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Site Management Plan

1153-69 West Fayette Street
City of Syracuse, Onondaga County, New York
BCP Site No. C734164

Prepared for:
1153 Owner LLC
PO Box 515
Syracuse, New York 13205

June 2026

C&S Project No. AB2.002.005

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PO Box 515
Syracuse, New York 13205

Prepared by:
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Revisions to Final Approved Site Management Plan:

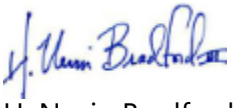
Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

June 2026

C&S Project#: AB2.002.005

CERTIFICATION STATEMENT

I, H. Nevin Bradford, certify that I am currently a NYS Registered Professional Engineer and that this Site Management Plan was prepared in accordance with applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and DER Green Remediation (DER-31).



H. Nevin Bradford
State of New York Professional Engineer No. 086008



June 10, 2026

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ACRONYMS

AAR – Alternatives Analysis Report

AMSL – Above Mean Sea Level

ASTM – American Society for Testing and Materials

AWQS – Ambient Water Quality Standards

BCA – Brownfield Cleanup Agreement

BCP – Brownfield Cleanup Program

BGS – Below Ground Surface

CAMP – Community Air Monitoring Plan

COC – Certificate of Completion

CVA – Climate Change Vulnerability Assessment

DER – Division of Environmental Remediation

DUSR – Data Usability Summary Report

EC – Engineering Control

ECL – Environmental Conservation Law

EE – Environmental Easement

ESA – Environmental Site Assessment

EWP – Excavation Work Plan

FEMA – Federal Emergency Management Agency

FER – Final Engineering Report

HASP – Health and Safety Plan

HFM – Historic Fill Material

HVAC – Heating, ventilation, and air conditioning

IC – Institutional Control

inWC – Inches of Water Column

IRM – Interim Remedial Measures

NAVD – North American Vertical Datum

NIDIS – National Integrated Drought Information System

NOAA – National Oceanic and Atmospheric Administration

NYCRR – New York Codes, Riles, and Regulations

NYS – New York State

NYSDEC – New York State Department of Environmental Conservation

NYSDOH – New York State Department of Health

NYSERDA – New York State Energy Research and Development Authority

OCRRA – Onondaga Country Resource Recovery Agency

OCWA – Onondaga County Water Authority

OM&M – Operation, Maintenance, and Monitoring

PAH – Polycyclic Aromatic Hydrocarbons

PCB – Polychlorinated Biphenyl

PE – Professional Engineer

PFAS – Per- and Polyfluoroalkyl Substances

PFOA – Perfluorooctanoic Acid

PFOS – Perfluorooctanesulfonic Acid

PPB – Parts per Billion

PPM – Parts per Million

PRR – Periodic Review Report

PSB – Public Safety Building

QA / QC – Quality Assurance / Quality Control

QAPP – Quality Assurance Project Plan

RAO – Remedial Action Objective

RAWP – Remedial Action Work Plan

REC – Recognized Environmental Condition

RI – Remedial Investigation

RSO – Remedial Site Optimization

SCG – Standards, Criteria, Guidance

SCO – Soil Cleanup Objective

Site – 1153-69 West Fayette Street, Syracuse, NY

SMP – Site Management Plan

SSD – Sub-Slab Depressurization

SVE – Soil Vapor Extraction

SVI – Soil Vapor Intrusion

SVOC – Semi volatile Organic Compound

TAL – Target Analyte List

TCL – Target Compound List

TOGS – Technical and Operational Guidance Series

TPH – Total Petroleum Hydrocarbon

USDA – United States Department of Agriculture

USEPA – United States Environmental Protection Agency

USGS – United States Geologic Service

UST – Underground Storage Tank

VOC – Volatile Organic Compound

µg/m^3 – Microgram per Cubic Meter

EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan (SMP):

Site Identification: C734164, 1153-69 West Fayette Street BCP Site, 1153-69 West Fayette Street, Syracuse, Onondaga County, New York

Institutional Controls:	1. The property may be used for commercial use;
	2. All ECs must be operated and maintained as specified in this SMP;
	3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
	4. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Onondaga County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
	5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
	6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
	7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
	8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
	9. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
	10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
	11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on **Figure 13**, and any potential impacts that are identified must be monitored or mitigated;
	12. Vegetable gardens and farming on the site are prohibited; and
	13. An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible.

Site Identification: C734164, 1153-69 West Fayette Street BCP Site, 1153-69 West Fayette Street, Syracuse, Onondaga County, New York

Engineering Controls:	1. Cover System	
	2. SSD System (Annex Only)	
Inspections:		Frequency
1. Cover System Inspection		Annually
2. SSD System Inspection		Annually
Monitoring:		
1. Indoor Air Testing		Pre-Occupancy (Heating Season)
2. Soil Vapor Intrusion Evaluation for New Buildings		As needed
Maintenance:		
1. Cover System		As needed
2. SSD System		As needed
Reporting:		
1. Periodic Review Report		Annually

Further descriptions of the above requirements are provided in detail in the latter sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the 1153-69 West Fayette Street Site located in the City of Syracuse, Onondaga County, New York (hereinafter referred to as the "Site"). See **Figure 1**. The Site is currently in the New York State (NYS) Brownfield Cleanup Program (BCP), Site No. C734164, which is administered by New York State Department of Environmental Conservation (NYSDEC or Department).

1153 Owner LLC entered into a Brownfield Cleanup Agreement (BCA) on June 21, 2024 with the NYSDEC to remediate the Site. A figure showing the Site location and boundaries of this Site is provided in **Figure 1** and **Figure 2**. The boundaries of the Site are more fully described in the metes and bounds site description that is part of the Environmental Easement (EE) provided in **Appendix A**.

After completion of the remedial work, some contamination was left at this Site, which is hereafter referred to as "remaining contamination". Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An EE granted to the NYSDEC, and recorded with the Onondaga County Clerk, requires compliance with this SMP and all ECs and ICs placed on the Site.

This SMP was prepared to manage remaining contamination at the Site until the EE is extinguished in accordance with Environmental Conservation Law (ECL) Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the EE and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the Site-specific implementation procedures that are required by the EE. Failure to properly implement the SMP is a violation of the EE, which is grounds for revocation of the Certificate of Completion (COC); and

- Failure to comply with this SMP is also a violation of ECL, 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 and the BCA (Index #C734164-04-24; Site #C734164) for the Site, and thereby subject to applicable penalties.

All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in NYS. A list of contacts for persons involved with the Site is provided in **Appendix B** of this SMP.

This SMP was prepared by C&S Engineers, Inc. (C&S), on behalf of 1153 Owner LLC, in accordance with the requirements of the NYSDEC's Division of Environmental Remediation (DER)-10 ("Technical Guidance for Site Investigation and Remediation"), dated April 9, 2019, DER-31 ("Green Remediation"), and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs and / or ECs that are required by the EE for the Site.

1.2 Revisions and Alterations

Revisions and alterations to this plan will be proposed in writing to the NYSDEC's project manager. The NYSDEC can also make changes to the SMP or request revisions from the remedial party. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shutdown of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the Site conditions. All approved alterations must conform with Article 145 Section 7209 of the Education Law regarding the application of professional seals and alterations. For example, any changes to as-built drawings must be stamped by a NYS Professional Engineer (PE). In accordance with the EE for the Site, the NYSDEC project manager will provide a notice of any approved changes to the SMP and append these notices to the SMP that is retained in its files.

1.3 Notifications

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

- 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6 NYCRR Part 375 and/or Environmental Conservation Law.
- 7-day advance notice of any field activity associated with the remedial program.
- 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan (EWP). If the ground-intrusive activity qualifies as a change of use as defined in 6 NYCRR Part 375, the above mentioned 60-day advance notice is also required.
- Notice within 48 hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
- Notice within 48 hours of any non-routine maintenance activities.
- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the BCA and all approved work plans and reports, including this SMP.

- Within 15 days after the transfer of all or part of the site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

Table 1-1 includes contact information for the above notifications. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in **Appendix B**.

Table 1-1: Notifications*

Name	Contact Information	Required Notification**
Christopher Eighmey, P.E. NYSDEC Project Manager	315-426-7558 Christopher.Eighmey@dec.ny.gov	All Notifications
Joshua Cook, P.E. NYSDEC Project Manager's Supervisor	315-426-7524 Joshua.Cook@dec.ny.gov	All Notifications
Kelly Lewandowski NYSDEC Site Control	518-402-9547 Kelly.Lewandowski@dec.ny.gov	Notifications 1 and 8
Sarita Wagh NYSDOH Project Manager	518-402-7860 Sarita.Wagh@health.ny.gov	Notifications 4, 6, and 7

* Note: Notifications are subject to change and will be updated as necessary.
** Note: Numbers in this column reference the numbered bullets in the notification list in this section.

2.0 DESCRIPTION OF REMEDIAL INVESTIGATION FINDINGS

2.1 Site Location and Description

The Site is located in the City of Syracuse, Onondaga County, New York and is identified as Section 099, Block 03, and Lot 02.1 on the Syracuse Tax Map (see **Figure 1** for Site location). The Site is an approximately 2.65-acre area and is bounded by West Fayette Street to the north, commercial stores and George Fowler High School to the south, the Lofts at 1117 BCP Site (C734160) and commercial stores to the east, and the George Fowler High School baseball diamond to the west (see **Figure 2**). The boundaries of the Site are more fully described in **Appendix A** – Environmental Easement. The owner and operator of the Site parcel at the time of issuance of this SMP is 1153 Owner LLC.

2.2 Physical Setting

2.2.1 Land Use

The Site consists of the following: an 85,800 square foot, six-story building (Main Building) with an adjoining 6,800 square foot single-story building addition (Annex), and an adjoining 9,300 square foot single-story building addition (Barn). There is a large parking lot to the east, a small parking lot to the west, and limited green space along the western and southern boundaries. The Site is zoned for Mixed-Use Transition (MX-3) under the City of Syracuse's City Zoning Ordinance (March 2023). The purpose of the MX-3 district is to provide pedestrian-friendly, transit-supportive areas of higher-density residential development and compatible nonresidential uses, such as offices and supporting commercial uses. The intent of the MX-3 district is to allow for greater vertical or horizontal mixing of uses and is appropriate near activity centers and near major arterial and collector street. A range of residential housing types and live-work units is allowed. The use of the site as commercial is permitted and welcomed by the City of Syracuse.

The anticipated post remediation use of the Site is commercial. The project will consist of the rehabilitation and reuse of the adjoining buildings on the 2.65-acre parcel. Upon completion, the building will serve as the new Syracuse Public Safety Building (PSB). The goal is to construct new, modern space that will allow the Syracuse Police Department and Syracuse Fire Department to hire new employees, using this space as a recruiting tool. The redeveloped Site will be a mix of office space, training space, storage space, and public engagement areas. The project will include the replacement of all windows (similar to their historic original style), demolition / abatement activities, replacement of all mechanical, plumbing, and fire suppression systems, and updated finishes / sitework. The project will provide over 100,000 square feet of space for the Syracuse Police Department and Syracuse Fire Department along with 147 parking stalls. The majority of the finished Site will be covered with buildings, asphalt parking, concrete ramps, and sidewalks and a much smaller portion will be green space. The properties adjoining the Site and in the neighborhood surrounding the Site include a mix of industrial, commercial, and residential properties.

2.2.2 Geology

The Site contains historic fill material (HFM) with observed thickness of approximately seven to 14 feet below ground surface (bgs). The observed HFM is shallowest on the west and south sides of the Site and deepest in the center and the northeast corner of the Site. Per 6 NYCRR Part 375, HFM is defined as: *non-indigenous or non-native material, historically deposited or disposed in the general area of, or on, a site to create useable land by filling water bodies, wetlands or topographic depressions, which is in no way connected with the subsequent operations at the location of the emplacement, and which was contaminated prior to emplacement*. The HFM contains brick, coal, cinder, ash, wood, and slag. Native soil is located below the HFM and consists of dark brown fine to coarse sand and silty clay.

The locations and depths of HFM at the Site are shown on **Figure 3**. Geologic cross sections are shown in **Appendix C.** Site specific boring logs are provided in **Appendix D.**

2.2.3 Hydrogeology

During the Remedial Investigation (RI), groundwater was encountered between 5.5 and 13 feet bgs at seven permanent groundwater monitoring wells. The Site is located at approximately 398 feet above mean sea level (AMSL) and slopes slightly toward the southwest. Harbor Brook flows through the Site on a general northwesterly course within a box culvert located beneath the central portion of the Site. Onondaga Creek is 0.76 miles east of the Site and Onondaga Lake is 1.25 miles northwest.

The City of Syracuse is served by a municipal water supply. Water processed in the Onondaga County Water Authority (OCWA) potable water plants for the City of Syracuse undergoes varying levels of treatment to ensure that drinking water meets NYSDEC and United States Environmental Protection Agency (USEPA) standards. Groundwater in the City of Syracuse is prohibited from being used for public drinking water supply.

Groundwater is present at depths ranging from approximately 6 to 12 feet below grade across the site. Groundwater contours were generally the same across the two RI sampling events and indicate a generally northwesterly flow direction. On average, the groundwater table was approximately 0.64 feet higher in December as compared to February, due to February being a drier month than December. The average groundwater gradient was 0.012 feet per feet in December and 0.013 feet per feet in February. Groundwater contour maps are shown in **Figure 4a** and **Figure 4b**. Groundwater elevation data is provided in **Table 2-1.** Groundwater monitoring well construction logs are provided in **Appendix E.**

Table 2-1: Groundwater Elevations

Well No.	Ground Elevation (ft AMSL)	Depth (ft BGS)	Elevation (ft AMSL)	Depth (ft BGS)	Elevation (ft AMSL)
Date	--	***December 12, 2024***		***February 11, 2025***	
MW-101	391.02	9.64	381.38	10.38	380.64
MW-102	388.91	5.70	383.21	6.11	382.80
MW-103	392.82	11.01	381.81	11.79	381.03
MW-104	392.38	8.19	384.19	8.80	383.58
MW-105	392.91	7.46	385.45	8.27	384.64
MW-106	392.49	12.17	380.32	12.53	379.96
MW-107	392.72	7.16	385.56	7.96	384.76

Notes:

- Level run survey performed by C&S on December 12, 2024 using a benchmark present at the Site. The benchmark was located on the base of National Grid Pole 47 and was at an elevation of 394.81 ft AMSL.
- Elevations tied to North American Vertical Datum (NAVD) 88.
- BGS – Below ground surface
- AMSL – Above mean sea level

2.3 Investigation and Remedial History

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in **Section 8.0**.

2.3.1 Past Uses and Ownership

The Site was once occupied by residences, a machine shop, and a lumber shed from at least 1892. Around 1911, the Site began operating as the Kemp & Burpee Manufacturing Company, a large manufacturing facility that produced manure spreaders. These operations included a machine shop, a forge shop, and several painting shops on and near the eastern side of the Site. Between 1916 and 1946, the Site operated as the Brown-Lipe Gear Company, manufacturer of bicycle and automobile gears. Around 1920, the six-story industrial building with a single-story addition that exists today was constructed on the western portion of the Site. From 1943 to 1950, the Site was taken over by the United States government during World War II to manufacture trucks and tank clutches for the United States Army. Sometime between 1938 and 1951, all industrial buildings on the Site except for the existing buildings were demolished and replaced with a parking lot. Between 1956 and 1960, a single-story addition was added to the western side of the buildings. The eastern portion of the Site operated as a parking lot. The industrial facility operated as the Morris Distributing Company (wholesale electrical supplies) between approximately 1951 and 1988. This operation was equipped with an oil house that was located on the west side of the original structure, in an area that is now occupied by the western addition. A coal silo was also present outside the south side of the building dating to at least 1951. The coal storage structure still remains on the Site. In the 1990s, the facility housed a variety of industrial and commercial companies including Command Services (computer sales and services), Tegmen (electronic circuit

manufacturer), Selco Graphics (printing), and PEACE Inc (non-profit organization). Since the early 2000s, a variety of commercial tenants have occupied the facility. The buildings are currently vacant and undergoing renovations.

Table 2-2 summarizes the historical and current owners and occupants of the Site based on city directories obtained during the April 2023 Phase I Environmental Site Assessment (ESA) and a title search obtained for the BCP Application.

Table 2-2: Historical Site Owners and Occupants

Years	Owner	Occupants
Prior to 1889	Morris Run Coal Company	
1889 – 1890	Straight Line Engine Company	
1890 – 1907	Charles E. Lipe	
1907	Brown-Lipe Gear Co.	
1907 – 1916	Kemp & Burpee Manufacturing Company of Syracuse	
1916 – 1930	Brown-Lipe Gear Co.	
1941 – 1943	W.C. Lipe Inc.	
1943 – 1946	Brown-Lipe Gear Company	
1946 – 1950	United States of America	
1950	Shelmar Company Inc.	
1952	Straight Line Foundry & Machine Corporation	
1954 – 1983	Martin Development Corp (1952 – 1967) Shelmar Company Inc. (1967 – 1989)	Morris Distributing Co. Morris Electronics of Syracuse Inc.
1988		Fayette Distributing Co. Green PJ Advertising Co.
1993	Magi Group Development (1989 – 2006)	Command Services Tegmen Corporation Selco Graphics Inc. PEACE Inc.
1998		Command Services Corporation New Justice Services PEACE Inc.
2003		Ikon Office Solutions Inc. Local Service Employees International MBM of Syracuse New Justice SVC PEACE Inc.

Years	Owner	Occupants
2008	Middle Neck Road LLC (2006 – 2013)	Big Brothers Big Sisters Head Start Program MBM of Syracuse Mopro Mobility & Health Products New Justice SVC Service Employees International Union Syracuse City School District Syracuse Teacher Center
2011		Big Brothers Big Sisters Command Services Corp Head Start Program MBM of Syracuse Mopro Mobility & Health Products New Justice SVC PEACE Inc. Service Employees International Union Syracuse Soapworks LLC Syracuse Teacher Center
2014	F&P Construction & Management LLC	
2016	John Noviasky and Cosmo Fanizzi III (2014 – 2021)	Environmental Solutions MBM Business Systems Inc. Mopro Mobility & Health Products New Justice SVC PEACE Inc. Stacey White Solutions Syracuse Soapworks LLC Syracuse Teacher Center
2020		Environmental Solutions Knitty Gritty Yarns MBM Business Systems Inc. Mopro Mobility & Health Products New Justice SVC PEACE Inc. Stacey White Solutions Syracuse City School District Syracuse Soapworks LLC Syracuse Teacher Center

Years	Owner	Occupants
2022	The Cosmopolitan 1153, LLC (2021-2023)	Big Awesome BBQ Environmental Solutions Knitty Gritty Yarns MBM Business Systems Inc. Mopro Mobility Healthcare New Justice SVC PEACE Inc. Stacey White Solutions Syracuse City School District Syracuse Soapworks LLC
2023 – Present	Owner 1153 LLC	Vacant

The Volunteer purchased the Site in June 2023.

2.3.2 C&S Phase I ESA

A Phase I ESA was conducted by C&S in April 2023. The Phase I ESA revealed the following Recognized Environmental Conditions (RECs) associated with the Site:

- Former manufacturing operations (including machine shop operation related to manure spreader manufacturing and electronics manufacturing); presence of an oil house near the southwest side of the building on historic maps from 1951 and 1953; rail spurs and rail activity across southern portion of the Site; and generation of hazardous waste between 1986 and 1994.

- Site reconnaissance identified two very large boilers on the south side of the barn. The boilers are not currently operational but used to run off coal which was potentially stored in the outdoor silo. Large-scale storage of coal and/or the on-site disposal of coal ash, which was historically a common practice at coal-burning facilities, could have contaminated the soil and groundwater on the Site.

- Multiple adjacent and adjoining sites:
    - 220 South Geddes Street – Former drycleaner
    - 1117 West Fayette Street – Former manufacturing facility
    - 1171 West Fayette Street – Former rail line round house
    - 200 South Geddes Street – Former and current manufacturing facility
    - 208 South Geddes Street – Former manufacturing facility and machine shop
    - 216 – 218 South Geddes Street – Former engine manufacturing facility
    - 300 South Geddes Street – Former manufacturing facility
    - 201, 209, 301 South Geddes Street – Former and current gasoline stations, auto repair shops, and auto sales shops

2.3.3 C&S Phase II ESA

A Phase II ESA was conducted by C&S in June 2023 to assess environmental and subsurface conditions associated with the RECs identified in the Phase I ESA. The investigation was performed consistent with American Society for Testing and Materials (ASTM) E1903-19 *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*. It was not the intent of the investigation to delineate potential impacts from historical Site uses. Soil samples were distributed vertically and horizontally to gather a broad level of information from across the Site. The investigation included the following:

- A subsurface investigation, which included the advancement of eight soil borings and installation of three temporary groundwater monitoring wells.

- The collection of five subsurface soil samples for the analysis of Part 375 volatile organic compounds (VOCs), Part 375 semi volatile organic compounds (SVOCs), and total metals (including mercury, hexavalent chromium, and total cyanide).

- The collection of three groundwater samples for the analysis of Target Compound List (TCL) VOCs, TCL SVOCs, and Target Analyte List (TAL) metals (including mercury).

The principal contaminants at the Site are VOCs, SVOCs (primarily polycyclic aromatic hydrocarbons [PAHs]), and metals, as follows:

- Visual and olfactory evidence of petroleum impacts were observed at two soil borings (in proximity to the coal silo and former oil house). Based on these observations, a spill was reported to NYSDEC (Spill No. 23-00933). Numerous VOCs including many benzene derivatives, xylenes, and toluene were detected in four of the five soil samples; however, they did not exceed their respective Unrestricted Use or Commercial Use Soil Cleanup Objectives (SCOs). While VOCs were not detected in the groundwater sample collected from this area, many of the analyte detection limits exceeded their respective groundwater standard. These elevated detection limits may be due to matrix interferences resulting from the presence of other, non-target petroleum constituents related to degraded petroleum products in this area.

- Numerous SVOCs were detected at concentrations greater than laboratory detection limits in soil across the Site. SVOC concentrations in one of the five soil samples exceeded Unrestricted and Commercial Use SCOs (in close proximity to the former oil house). These compounds are typically associated with petroleum products (diesel, fuel oil, waste/motor oil), coal, and burned organic material (i.e., wood). The presence of HFM encountered across the entire investigation area may be contributing to the presence of these SVOCs. Groundwater analytical results indicated the presence of numerous SVOCs across the Site, with concentrations exceeding New York Technical and Operational Guidance Series

(TOGS) 1.1.1 Ambient Water Quality Standards (AWQS). These concentrations may be a result of elevated turbidity.

- Numerous metals were detected at concentrations greater than Unrestricted Use SCOs in soil across the Site. Arsenic concentrations exceeded Commercial Use SCOs. The presence of HFM encountered across the entire investigation area may be contributing to the presence of these metals. Groundwater analytical results indicated the presence of numerous metals across the Site, with concentrations exceeding TOGS 1.1.1 AWQS. These concentrations may be a result of elevated turbidity.

2.3.4 C&S BCP Remedial Investigation (RI)

The RI was conducted to assess the nature and extent of contamination at the Site and consisted of the following:

- A buried utilities evaluation.
- The collection and analysis of 12 surface soil samples.
- The advancement of 24 soil borings and collection and analysis of 48 subsurface soil samples.
- The installation of seven groundwater monitoring wells and performance of two rounds of groundwater sampling.
- The collection of 18 sub-slab soil vapor, two crawl space air, five indoor air, seven soil vapor, and one outdoor air samples.
- The collection of quality assurance / quality control (QA / QC) samples.

Soil and groundwater samples were analyzed for a combination of total petroleum hydrocarbons (TPH), VOCs, SVOCs, pesticides, herbicides, polychlorinated biphenyls (PCBs), metals, and per- and polyfluoroalkyl substances (PFAS). Soil vapor samples were analyzed for VOCs.

Contaminant concentrations exceeding the Commercial Use SCOs were identified and, generally, the contamination is associated with HFM. Constituents in the HFM at concentrations that exceed the Commercial Use SCOs include SVOCs and metals. In addition, SVOC and PFAS impacts were identified in groundwater and carbon tetrachloride impacts were identified in sub-slab soil vapor. The following bullets summarize the results of the RI:

- PAHs and metals (arsenic and copper) were identified at concentrations greater than Commercial Use SCOs in surface soil across the Site. The surface soil contamination was

most prominent along the western perimeter of the Site, in the vicinity of the former oil house, coal silo, and rail spurs.

- PAHs and metals (arsenic, copper, lead, and mercury) were identified at concentrations greater than Commercial Use SCOs in HFM across the Site. The subsurface HFM impacts varied across the Site, indicating that the source of contamination is the HFM material itself and no apparent discrete source is located on-site or off-site. Elevated concentrations of mercury, lead, and copper were limited to the east side of Harbor Brook.

- There was a singular PAH exceedance and a few metal (arsenic, copper, lead, and mercury) exceedances in subsurface native soil. The PAH exceedance marginally exceeded the Commercial Use SCO and the metal exceedances moderately exceeded the Commercial Use SCOs. Arsenic exceedances were sporadic across the Site, whereas copper, mercury, and lead exceedances were limited to the east side of Harbor Brook.

- Visual and olfactory evidence of petroleum impacts were noted along the western perimeter of the Site. Concentrations of PAHs exceeded Commercial Use SCOs at SB-106 and SB-112. However, soil delineation in this area confirmed that PAH exceedances in sub-surface soil were limited to the HFM in SB-106 and SB-112 and do not extend vertically or laterally.

- SVOC concentrations in groundwater only slightly exceeded TOGS 1.1.1 AWQS and were generally only detected during the first round of sampling. Six different PAHs were detected in excess of the TOGS limits. In each case, the concentrations were a fraction of a part per billion (ppb) (maximum of 0.23 ppb and majority below 0.1 ppb) and the corresponding TOGS limits are very low (either 0.002 ppb or non-detect). There were also sporadic exceedances of phenol, hexachlorobenzene, and bis(2-ethylhexyl)phthalate.

- Total copper, mercury, and lead exceeded the TOGS limit in one well during the first round of sampling but the respective dissolved concentrations did not exceed the TOGS limits. Similarly, dissolved antimony exceeded the TOGS limit in one well during the first round of sampling only. Groundwater PFAS concentrations in the northwestern and southeastern portions of the Site exceeded applicable perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) standards. The likely reason for the presence PFAS is not currently understood. However, the Site is situated hydraulically downgradient of multiple former industrial complexes that were involved in machine manufacturing, car part manufacturing, and mill construction operations since the early 1900s throughout the 1960s / 70s. Existing groundwater gradient data indicates a northwesterly groundwater flow direction.

- Soil vapor samples were collected from below the concrete floor in the northwestern portion of the single-story building, which was a 1950s addition to the building. Sample results indicate that the carbon tetrachloride impacts are limited to an approximate 500 square foot area and that mitigation is required according to the New York State

Department of Health (NYSDOH) Decision Matrix A. Carbon tetrachloride was not detected in nearby soil borings or groundwater monitoring wells, indicating that the impacts are limited to soil vapor.

Figure 5 shows the locations of samples collected during the RI. **Figure 6** through **Figure 9** and **Table 1** through **Table 6** summarize the results of the RI for each medium investigated. The tables and figures have been edited to reflect sampling areas where soil was removed during the remedy. Sampling locations where soil was removed are shown in gray hatching or shading. All surface soil was removed during regrading and installation of the cover system.

2.3.5 Interim Remedial Measures – 2025

Two interim remedial measures (IRMs) have been implemented at the Site and are described in further detail below.

2.3.5.1 Single-Story Building Carbon Tetrachloride

During the RI, carbon tetrachloride impacts in soil vapor were identified beneath the northwest portion of the Annex, within an approximate 500-square-foot area. The indoor air in this area contained carbon tetrachloride concentrations similar to other indoor air locations and the ambient air. Furthermore, carbon tetrachloride was not identified in nearby sub-surface soil or groundwater, indicating that impacts were limited to soil vapor.

To address these impacts, an IRM was proposed to NYSDEC consisting of the installation and operation of a soil vapor extraction (SVE) system. The system design and installation activities were outlined in an IRM Work Plan submitted to NYSDEC and NYSDOH on May 16, 2025, and subsequently approved on July 10, 2025.

The SVE system was installed between July 10 and 11, 2025, and was designed to remediate soil vapor impacts beneath the northwestern portion of the Annex. The system included two sub-slab extraction wells, installed to 8 feet bgs and screened from 3 to 8 feet bgs (above the groundwater table). Each well was designed based on an approximate 15-foot radius of influence, overlapping to provide full coverage of the impacted area. The system was sized for three pore volume exchanges per day and operated by a 1-horsepower regenerative blower mounted inside the building. The wells were connected via a PVC manifold equipped with ball valves, vacuum gauges, and sampling ports to allow for operational monitoring. Extracted vapors were routed through PVC piping and discharged above the roofline at a location protective of building openings.

Following installation, pressure field extension (PFE) testing confirmed adequate vacuum beneath the slab and achievement of the design radius of influence. System monitoring was conducted hourly on the first day of operation and once on the second day to verify that key parameters (PID readings, airflow, and vacuum) remained steady.

In accordance with the IRM Work Plan, vacuum readings at each SVE well were recorded daily and full system monitoring and sampling was conducted weekly. Weekly monitoring included PID readings, airflow, and vacuum measurements. Following system monitoring, grab air samples were collected in Tedlar bags from each SVE well. Prior to sampling, each well was closed for one hour. Samples were submitted for analysis of carbon tetrachloride via United States Environmental Protection Agency (USEPA) Method TO-15 Select Ion Monitoring (SIM).

Throughout the duration of the IRM, significant reductions in carbon tetrachloride concentrations were observed at both extraction wells. Prior to SVE system installation, concentrations measured 2,230 µg/m³ near SVE-101 and 618 µg/m³ near SVE-102. After seven weeks of operation, concentrations decreased to non-detect (less than 5.24 µg/m³) at SVE-101 and 5.37 µg/m³ at SVE-102. Because greater and more consistent reductions were achieved at SVE-101, this well was temporarily shut down for one week to increase vacuum at SVE-102 and to evaluate potential rebound at SVE-101. Following shutdown, concentrations increased to 99.4 µg/m³ at SVE-101 and 17.1 µg/m³ at SVE-102. Due to the rebound observed, SVE-101 was restarted to suppress contaminant rebound and restore mass removal efficiency, resulting in concentrations decreasing to 6.67 µg/m³ and 6.28 µg/m³ in SVE-101 and SVE-102, respectively.

Weekly SVE system sampling was complicated by elevated reporting limits and high dilution factors due to high concentrations of acetone and tetrahydrofuran, both key ingredients in the PVC primer and cement used during system construction. As these compounds off-gassed, their concentrations gradually declined, which in turn lowered reporting limits and dilution factors. However, reporting limit and dilution factors remained higher than typical throughout the monitoring period.

Although there were significant reductions in sub-slab carbon tetrachloride concentrations, they did not remain below 6 µg/m³ for three consecutive sampling events, as required by the IRM Work Plan. Due to building occupancy constraints and construction timelines, the IRM was terminated, and a long-term sub-slab depressurization (SSD) system was installed in the Annex as part of the final Site remedy. The weekly sampling results from the SVE system are presented in **Table 7** and **Figure 9c**.

The SSD system design, installation, long-term monitoring, sampling, operation, and maintenance are described in further detail in latter sections of this SMP.

2.3.5.2 UST Area 1

During general Site redevelopment activities on April 4, 2025, a 5,000-gallon underground storage tank (UST) was discovered beneath the former loading dock adjacent to the single-story building. The UST was not identified in historical documents; therefore, its age and former use are unknown. Due to its location beneath the loading dock, it is expected that the tank was installed prior to the construction of the loading dock (pre-1950s).

The UST was located approximately 3 feet bgs. The tank was approximately 24-feet long by six-feet in diameter and had an approximate 5,000-gallon capacity. The UST was a single walled steel tank with no catholic protection observed. Approximately 5 feet of 2-inch steel piping was observed on the west side of the tank, entering the adjoining single-story building. Approximately 4.5 feet of standing liquid was present in the UST along with 2 to 4 inches of oily sludge at the bottom of the UST. The tank was observed to be in poor condition with moderate corrosion and several pinholes in the bottom. The tank was sitting on a concrete cradle.

The UST removal and associated remedial activities were conducted as an IRM. The planned IRM activities were communicated to NYSDEC and NYSDOH via email and were approved via email on April 4, 2025. The tank was emptied, cleaned, and removed. Following tank removal, the petroleum impacted concrete cradle and surrounding soil was removed. Confirmatory soil were collected and analyzed for VOCs and SVOCs. Soil analytical data revealed that a single SVOC exceeded the Commercial Use SCO at the southern sidewall. All other contaminants were below Commercial Use SCOs.

In addition to the confirmatory soil samples, a sample of groundwater that had seeped into the excavation was collected and analyzed for VOCs and SVOCs. The groundwater analytical data revealed that VOCs were not detected above TOGS 1.1.1 AWQS; however, several SVOCs exceeded the applicable standards.

Based on the analytical data and with NYSDEC approval (via email on April 24, 2025), the excavation was backfilled with soil from around the former UST that did not exhibit evidence of petroleum impacts, as well as virgin imported stone. The UST confirmatory soil and groundwater sampling data are summarized in **Table 8** and **Table 9**, respectively. The confirmatory sampling results are also presented on **Figure 10**.

A total of 5,180 gallons of tank contents (primarily water with petroleum residuals) were disposed of at Industrial Oil Tank Services, Inc. A total of 65.74 tons of petroleum-impacted soil and concrete were disposed of at Seneca Meadows Landfill. The cleaned tank (2.93 tons) was transported to Ben Weitsman of Syracuse for scrap metal recycling. A tank closure report was submitted to NYSDEC on May 27, 2025. The Site was assigned Petroleum Bulk Storage Number 7-991114 and Spill Number 25-00618. The spill file was closed by NYSDEC on May 28, 2025.

2.3.6 Remedial Action – 2025

Remedial actions were performed in 2025 in concert with the Site redevelopment. Remedial actions consisted of soil removal to accommodate the installation of Site utilities, the cover system, and the SSD system. These activities resulted in the generation of approximately 5,803 tons of non-hazardous soil that was disposed of at Seneca Meadows Landfill, 375 tons of concrete that was sent to Lan-Co and TH Kinsella for recycling, 47.5 tons of asphalt that was sent to TH Kinsella. Inc. for recycling, and 33 tons of brush, stumps, oversized wood, and mixed waste that was disposed of at Onondaga County Resource Recovery Agency (OCRRA). Additional details are provided in the Final Engineering Report (FER).

2.4 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the Decision Document are as follows.

2.4.1 Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.

2.4.2 Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.4.3 Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion (SVI) into buildings at the Site.

2.5 Remaining Contamination

The NYSDEC and NYSDOH have determined that this Site does not pose a significant threat to human health and the environment. Notice of that determination was provided for public review in November 2025.

2.5.1 Soil

Based on the results of the RI, soils which contain HFM are expected to principally contain metals and to a lesser extent, SVOCs, at concentrations greater than Commercial Use SCOs. The types and concentrations of contaminants that may be present under the cover system following the remediation are shown in **Table 2-3**, **Table 2-4**, **Table 2-7, Table 2-6,** and **Table 2-7**.

Existing surfaces and grades were adjusted (excavated or filled) to accommodate impervious cover system elements (e.g. pavement and sidewalks), install subsurface utilities, install the SSD system, or to install a minimum of one foot for the soil cover system to meet proposed final grades. Cover system elements are shown in **Figure 11.** In soil cover areas, the one foot cover consists of soil that meets Residential Use SCOs and the soil below the demarcation layer may contain contaminants at concentrations that exceed Commercial Use SCOs.

Some HFM was beneficially reused on-site by being placed below the demarcation layer and soil cover system or beneath the hardscape cover system. HFM that could not be beneficially used below the cover system was transported off-site for proper disposal. As noted above, approximately 5,803 tons of impacted soil was disposed off-site.

Areas with remaining contamination will be monitored and maintained with a cover system as described in **Section 3.3. Figure 3** shows the fill depths across the Site. **Figure 12** shows the extent of the cover system along with surveyed elevations for various cover system elements. This figure was created using the raw survey data provided in the **Surveys** section of the SMP.

The analytical results provided in **Table 2-3**, **Table 2-4**, **Table 2-7, Table 2-6,** and **Table 2-7** demonstrate the types and levels of remaining contaminants that may be encountered during possible future invasive work below the cover system. The contaminants identified during the RI remain generally the same following the remedy.

Table 2-3: VOCs Remaining in Sub-Surface Soil

Analyte	Exceedances of Unrestricted Use SCO	Exceedances of Commercial Use SCO	Maximum Concentration (ppm)
2-Butanone	1	0	0.19
Acetone	6	0	0.1

All surface soil exceedances were removed during the remedial action.
Total of 48 sub-surface sampling locations during the RI.

Table 2-4: SVOCs Remaining in Sub-Surface Soil

Analyte	Exceedances of Unrestricted Use SCO	Exceedances of Commercial Use SCO	Maximum Concentration (ppm)
Benzo(a)anthracene	11	3	27
Benzo(a)pyrene	11	11	24
Benzo(b)fluoranthene	12	5	31
Benzo(k)fluoranthene	8	0	4.2
Chrysene	11	0	26
Dibenzo(a,h)anthracene	9	8	3.3
Indeno(1,2,3-cd)pyrene	16	3	14

All surface soil exceedances were removed during the remedial action.
Total of 48 sub-surface sampling locations during the RI.

Table 2-5: PCBs Remaining in Sub-Surface Soil

Analyte	Exceedances of Unrestricted Use SCO	Exceedances of Commercial Use SCO	Maximum Concentration (ppm)
Total PCBs	3	0	0.303

All surface soil exceedances were removed during the remedial action.
Total of 48 sub-surface sampling locations during the RI.

Table 2-6: Pesticides Remaining in Sub-Surface Soil

Analyte	Exceedances of Unrestricted Use SCO	Exceedances of Commercial Use SCO	Maximum Concentration (ppm)
4,4'-DDT	1	0	0.00422

All surface soil exceedances were removed during the remedial action.
Total of 48 sub-surface sampling locations during the RI.

Table 2-7: Metals Remaining in Sub-Surface Soil

Analyte	Exceedances of Unrestricted Use SCO	Exceedances of Commercial Use SCO	Maximum Concentration (ppm)
Arsenic	16	13	75.2
Barium	1	0	367
Cadmium	1	0	5.17
Copper	17	3	308
Lead	19	3	2630
Mercury	13	4	15.7
Nickel	7	0	55.2
Selenium	2	0	9.31
Zinc	10	0	450

All surface soil exceedances were removed during the remedial action.
Total of 48 sub-surface sampling locations during the RI.

Herbicides and PFAS have not been detected at concentrations that exceed Unrestricted Use SCOs.

Table 2, Table 3, Figure 6, Figure 7a, and **Figure 7b** summarize the results of all soil samples collected that exceed the Unrestricted Use SCOs and the Commercial Use SCOs remaining at the site. **Table 2** and **Figure 6** have been modified to remove sampling data that is representative of locations in which the soil was removed or remediated. All surface soil was removed during regrading and installation of the cover system.

2.5.2 Groundwater

As shown in **Table 2-8**, several PAHs are present at concentrations that are slightly greater than TOGS limits across the Site.

Table 2-8: Groundwater SVOC Exceedances

Analyte	TOGS 1.1.1 AWQS (ppb)	Range of Exceedances (ppb)	
		December 2024	***February 2025***
Bis(2-ethylhexyl)phthalate	5	--	8.6 – 22
Phenol	1	1.8	--
Benzo(a)anthracene	0.002	0.05 – 0.19	--
Benzo(a)pyrene	0	0.04 – 0.14	--
Benzo(b)fluoranthene	0.002	0.03 – 0.23	--
Benzo(k)fluoranthene	0.002	0.06 – 0.21	--
Chrysene	0.002	0.05 – 0.2	--
Hexachlorobenzene	0.04	0.07	--
Indeno(1,2,3-cd)pyrene	0.002	0.06 – 0.22	--

"--" indicates that there were no exceedances of the respective analyte during the sampling event.

As shown in **Table 2-9**, some metals not associated with hard water were present at concentrations slightly greater than TOGS limits during the first round of sampling only.

Table 2-9: Groundwater Metal Exceedances

Analyte	TOGS 1.1.1 AWQS (ppb)	Range of Exceedances (ppb)	
		December 2024	***February 2025***
Antimony, Dissolved	3	4.51	--
Copper, Total	200	215.1	--
Lead, Total	25	353.2	--
Mercury, Total	0.7	0.75	--

"--" indicates that there were no exceedances of the respective analyte during the sampling event.

As shown in **Table 2-10,** PFAS is present at concentrations slightly greater than TOGS across the Site.

Table 2-10: Groundwater PFAS Exceedances

Analyte	TOGS 1.1.1 AWQS (ppb)	Range of Exceedances (ppb)	
		December 2024	***February 2025***
PFOS	2.7	3.3	3.66
PFOA	6.7	7.78	6.9

Pesticides, herbicides, and PCBs did not exceed applicable Standards, Criteria, and Guidelines (SCGs).

Current groundwater conditions are expected to be similar to conditions documented in the RI.

Table 4 and **Figure 8** summarize the results of all samples of groundwater that exceed the SCGs prior to completion of the remedial action.

2.5.3 Soil Vapor

During the RI, three sub-slab soil vapor samples, two crawl space air samples, five indoor air samples, seven soil vapor samples, and one outdoor air sample were collected. Comparison of the data to the NYSDOH decision matrices indicated that no further action was necessary regarding vapor intrusion with the exception of carbon tetrachloride in the northwestern portion of the single-story building. As a result, an additional assessment was conducted using passive soil gas samplers to identify the source of carbon tetrachloride in soil vapor and delineate the extent of impacts. Fifteen additional sub-slab soil vapor samples were collected as a part of this assessment.

The results of the initial and additional SVI assessment indicated that concentrations of carbon tetrachloride in sub-slab vapor in this area ranged from 82.6 to 2,230 micrograms per cubic meter (µg/m^3), with the highest concentration occurring at PSG-104. The accompanying indoor air sample from this area had a carbon tetrachloride concentration of 0.472 µg/m^3, which was comparable to other indoor air locations and the ambient air sample. The data collected during the RI indicate that the soil vapor impacts appear to be limited to an approximate 500 square foot area.

Carbon tetrachloride was not identified in nearby sub-surface soil or groundwater. SB-105 was advanced approximately four feet southwest of PSG-104 and carbon tetrachloride was not detected in the HFM or native soil sample. This indicates that the impacts are limited to soil vapor.

To remediate the soil vapor carbon tetrachloride impacts observed during the RI, an IRM was proposed to NYSDEC which included the installation and operation of a SVE system. The SVE system design and installation activities were outlined in an IRM Work Plan submitted to NYSDEC and NYSDOH on May 16, 2025 and subsequently approved on July 10, 2025.

The SVE system was operational from July to September 2025. While significant reductions in carbon tetrachloride concentrations were observed, sub-slab concentrations did not remain below 6 µg/m^3 for three consecutive sampling events, as required by the IRM Work Plan. Due to building occupancy constraints and construction timelines, the IRM was terminated, and a long-term SSD system was installed in the Annex as part of the final Site remedy.

C&S collected indoor air samples from the Annex following the installation and activation of the SSD system. During the same sampling event, C&S conducted a SVI assessment in the adjoining Main Building and Barn. This pre-occupancy sampling was performed consistent with NYSDOH guidelines; during the heating season, when HVAC systems were fully functional, and when the building envelope was complete.

The analytical data indicated that indoor air quality was not adversely impacted and that no significant SVI condition was present at the time of sampling. No detected indoor air concentrations exceeded applicable NYSDOH Air Guidance Values (AGVs), and carbon tetrachloride concentrations across the Main Building, Annex, and Barn were below 1 µg/m^3, consistent with typical background levels identified by NYSDOH and comparable to outdoor air

concentrations. Application of the NYSDOH Soil Vapor Intrusion Decision Matrices to co-located sample pairs in the Barn and Main Building indicated that no locations meet criteria for mitigation, with all VOCs categorized as "No Further Action" or "Identify source(s) and resample." Elevated cyclohexane and isooctane were detected in select indoor air samples (IA-204 and IA-209) but were not consistent with an SVI pattern and instead suggested indoor sources, likely related to recent construction activities, use of petroleum-based products, and prior storage or operation of gasoline-powered equipment. The sampling results were provided to NYSDEC and NYSDOH under a separate cover, *Soil Vapor Intrusion Assessment Report, February 2026*.

Table 5, Table 6, Table 7, Table 10, Figure 9a, Figure 9b, Figure 9c, and **Figure 9d** summarize the results of all samples of soil vapor that exceed the SCGs after completion of the remedial action.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 General

Since remaining contamination exists at the site, ICs and ECs are required to protect human health and the environment. This IC / EC Plan describes the procedures for the implementation and management of all IC / ECs at the site. The IC / EC Plan is one component of the SMP and is subject to revision by the NYSDEC project manager.

This plan provides:

- A description of all IC / ECs on the site;
- The basic implementation and intended role of each IC / EC;
- A description of the key components of the ICs set forth in the EE;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC / ECs, such as the implementation of the EWP (as provided in **Appendix F**) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the site; and
- Any other provisions necessary to identify or establish methods for implementing the IC / ECs required by the site remedy, as determined by the NYSDEC project manager.

3.2 Institutional Controls

A series of ICs is required by the Decision Document to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the site to commercial uses only. Adherence to these ICs on the site is required by the EE and will be implemented under this SMP. ICs identified in the EE may not be discontinued without an amendment to or extinguishment of the EE. The IC boundaries are shown on **Figure 13**. These ICs are:

- The property may be used for commercial use (which allows for industrial use);
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;

- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Onondaga County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;

- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the EE;

- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on **Figure 13**, and any potential impacts that are identified must be monitored or mitigated;

- Vegetable gardens and farming on the site are prohibited; and

- An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible.

3.3 Engineering Controls

3.3.1 Cover

Exposure to remaining contamination at the Site is prevented by a cover system placed over the Site. This cover system is comprised of a minimum of 12 inches of clean soil, asphalt pavement, concrete-covered sidewalks, and concrete building slabs. **Figure 12** and the **Surveys** present the location of the cover system and applicable demarcation layers. The EWP provided in **Appendix F** outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed. Procedures for the inspection of this cover are provided in

the Monitoring and Sampling Plan included in **Section 4.0** of this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) prepared for the site and provided in **Appendix G** and **Appendix H**, respectively. Any breach of the Site's cover system must be overseen by a PE who is licensed and registered in NYS or a qualified person who directly reports to a PE who is licensed and registered in NYS.

3.3.2 SSD System

A description of the SSD system in the Annex is as follows:

- The system was designed to maintain adequate negative pressure beneath all areas of the Annex to prevent SVI.

- Two sub-slab perforated pipe networks were installed across the Annex. Each network was installed by excavating trenches, placing perforated piping within the trenches, and backfilling the trenches with coarse stone to enhance communication across the slab. The top of the trenches were sealed with concrete.

- Each sub-slab perforated piping network was connected to a riser that penetrated the exterior Annex wall. Appropriately sized fans were mounted on the outside of the Annex wall and discharge air vertically above the roof line.

- Discharge points are located at least 20 feet away from air intakes or other openings to the building (e.g. doors and windows).

- All foundation and exterior wall penetrations were sealed in an air-tight manner. The Annex slab was finished with gypcrete to seal any floor cracks or penetrations.

- Manometers and alarms were installed on each riser to monitor pressure differential and system status.

- Within one week of system activation, C&S performed PFE testing to verify a negative pressure of at least 0.004 inches of water column (inWC) below the building footprint, compared to the pressure above the slab. Based on the results of the PFE testing, the SSD system is functioning adequately.

Typical procedures for operating and maintaining the SSD system are documented in the Operation and Maintenance Plan (**Section 5.0**). As-built drawings, signed and sealed by a PE who is licensed and registered in NYS are provided in **Appendix I**. The as-built drawings also show the PFE testing results.

3.4 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the RAOs identified by the Decision Document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10. Unless waived by the NYSDEC, confirmation samples of applicable environmental media are required before terminating any remedial actions at the site. Confirmation samples require Category B deliverables and a Data Usability Summary Report (DUSR).

The remedial party will also conduct any needed site restoration activities, such as asphalt patching and decommissioning treatment system equipment. In addition, the remedial party will conduct any necessary restoration of vegetation coverage, trees and wetlands, and will comply with NYSDEC and United States Army Corps of Engineers regulations and guidance. Also, the remedial party will ensure that no ongoing erosion is occurring on the site.

3.4.1 Cover

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

3.4.2 SSD System

The SSD system will not be discontinued unless prior written approval is granted by the NYSDEC and the NYSDOH project managers. If monitoring data indicates that the SSD system may no longer be required, a work plan to discontinue the SSD system will be submitted by the remedial party to the NYSDEC and NYSDOH project managers. The work plan must include SVI sampling to verify that the SSD system is no longer needed and must comply with the NYSDOH Soil Vapor Intrusion Guidance.

If the NYSDEC project manager approves termination of operation and maintenance of an SSD system, the remedial party will notify the property owner and ask whether the property owner wants to keep the SSD system. If the property owner elects to keep the system, the property owner will be responsible for the operation and maintenance of the system going forward. If the property owner wants the system removed, the remedial party will remove and dispose of the system and repair any parts of the structure that were altered or modified by the SSD system, such as holes in the basement floor or walls.

4.0 MONITORING AND SAMPLING PLAN

4.1 General

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC project manager. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of site management for the site are included in the Quality Assurance Project Plan (QAPP) provided in **Appendix J.**

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC SCGs, particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Reporting requirements are provided in **Section 7.0** of this SMP.

4.2 Site-wide Inspection

Site-wide inspections will be performed at a minimum of once per year. These periodic inspections must be conducted when the ground surface is visible (i.e. no snow cover). Site-wide inspections will be performed by a qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in NYS, or a qualified person who directly reports to a PE who is

licensed and registered in NYS (depending on the need to evaluate ECs). Modification to the frequency or duration of the inspections will require approval from the NYSDEC project manager. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in **Appendix K** – Site Management Forms. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- Whether stormwater management systems, such as basins and outfalls, are working as designed;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that site records are up to date.

Inspections of all remedial components installed at the site will be conducted. A comprehensive site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report (PRR). The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the EE;
- Achievement of remedial performance criteria; and
- If site records are complete and up to date.

Reporting requirements are outlined in **Section 7.0** of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the site, verbal notice to the NYSDEC project manager must be given by noon of the following day. In addition, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the site by a

qualified environmental professional, as defined in 6 NYCRR Part 375. Written confirmation must be provided to the NYSDEC project manager within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public. The remedial party will submit follow-up status reports to the NYSDEC within 45 days of the event on actions taken to respond to any emergency event requiring ongoing responsive action, describing and documenting actions taken to restore the effectiveness of the ECs.

The remedial party will conduct exterior inspections of all SSD systems quarterly and perform comprehensive inspections annually. Exterior inspections will include: confirming that the fan is running correctly, determining whether there is damage to the stack or other exterior system components, and determining whether there have been structural changes, such as an addition to the structure. Comprehensive inspections include all of the activities required in the exterior inspection and an interior inspection, which includes: confirming a pressure differential on the manometer, inspecting the interior components for damage, recording vacuum readings from sub-slab vacuum monitoring points (if installed), and inspecting the foundation floors for cracks in the floors and walls that may have developed since the SSD system was installed. The remedial party will notify the NYSDEC project manager about any problems within three days of inspections. Inspection reports will be emailed to the NYSDEC Project Manager and included in the next PRR. Any needed repairs will be made promptly according to the procedures in the Operation and Maintenance Plan (**Section 5.0**).

4.3 Treatment System Monitoring and Sampling

4.3.1 Remedial System Monitoring

Monitoring of the SSD system will be performed on a routine basis, as identified in **Table 4-1**. The remedial systems must be inspected on an annual basis by a qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in NYS, or a qualified person who directly reports to a PE who is licensed and registered in NYS. Modification to the frequency or sampling requirements will require approval from the NYSDEC project manager. A visual inspection of the complete system will be conducted during each monitoring event. Unscheduled inspections and / or sampling may take place when a suspected failure of the SSD and mechanical ventilation systems has been reported or an emergency occurs that is deemed likely to affect the operation of the system. SSD system components to be monitored include, but are not limited to, the components included in **Table 4-1** below.

Table 4-1: Remedial System Monitoring Requirements and Schedule

System Component	Monitoring Parameter	Operating Range	Monitoring Schedule
Manometer	Pressure	Negative Pressure	Quarterly / Annually
Fans	Visual Inspection	Confirm continuous operation with no excessive noise / vibration	Quarterly / Annually

System Component	Monitoring Parameter	Operating Range	Monitoring Schedule
Alarm	Function	Confirm no alarm and confirm alarm function	Quarterly / Annually
PVC Connections and Foundation Seals	Visual Inspection	Confirm adequacy of PVC connections and foundation seals	Quarterly / Annually
Discharge Points	Visual Inspection	Confirm no obstructions	Quarterly / Annually
Complete System (fan, piping, wiring, labels, etc.)	Visual Inspection	Confirm no evidence of wear, heat stress, cracks, or degradation	Annually
Foundation Slab and Walls	Visual Inspection	Confirm no significant slab / wall penetrations are present	Annually

The remedial party / owner is responsible for performing the quarterly inspections and coordinating the annual inspections. A qualified environmental professional must perform the annual inspections.

A complete list of components to be inspected is provided in the Inspection Checklist, provided in **Appendix K** – Site Management Forms. If any equipment readings are not within their specified operation range, any equipment is observed to be malfunctioning or the system is not performing within specifications; maintenance and repair, as per the Operation and Maintenance Plan, is required immediately.

4.3.2 Remedial System Sampling

Remedial system sampling is not required.

4.4 Post-Remediation Media Monitoring and Sampling

Following installation and activation of the SSD system, C&S collected indoor air samples from the Annex. During the same sampling event, C&S conducted an SVI assessment in the adjoining Main Building and Barn. This pre-occupancy sampling was performed consistent with NYSDOH guidelines; during the heating season, when HVAC systems were fully functional, and when the building envelope was complete.

The analytical data indicated that indoor air quality was not adversely impacted and that no significant SVI condition was present at the time of sampling. No detected indoor air concentrations exceeded applicable NYSDOH AGVs and carbon tetrachloride concentrations across the Main Building, Annex, and Barn were below 1 µg/m^3, consistent with typical background levels identified by NYSDOH and comparable to outdoor air concentrations. Application of the NYSDOH Soil Vapor Intrusion Decision Matrices to co-located sample pairs in the Barn and Main Building indicated that no locations meet criteria for mitigation, with all VOCs categorized as "No Further Action" or "Identify source(s) and resample." Elevated cyclohexane and isooctane were detected in select indoor air samples (IA-204 and IA-209) but were not consistent with an SVI pattern and instead suggested indoor sources, likely related to recent construction

activities, use of petroleum-based products, and prior storage or operation of gasoline-powered equipment.

The sampling results were provided to NYSDEC and NYSDOH under a separate cover, *Soil Vapor Intrusion Assessment Report, February 2026*. The analytical data is summarized in **Table 10** and the sampling locations are presented on **Figure 9d**.

Based on the results of the post-remediation SVI assessment, no further routine monitoring and / or sampling is required for the Site.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 General

This Operation and Maintenance Plan provides a brief description of the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the site. This Operation and Maintenance Plan:

- Includes the procedures necessary to allow individuals unfamiliar with the site to operate and maintain the SSD system; and
- Will be updated periodically to reflect changes in site conditions or the manner in which this system is operated and maintained.

Further detail regarding the typical operation, maintenance, and monitoring of this system is provided in **Appendix L** – SSD System Operation, Maintenance, and Monitoring (OM&M) Manual. A copy of the OM&M Manual, along with the complete SMP, is to be maintained at the site. The OM&M Manual is not to be used as a stand-alone document, but as a component document of this SMP.

5.2 Remedial System (or other Engineering Control) Performance Criteria

The SSD system is designed to operate continuously. The performance criteria will be limited to the following items:

1. The SSD system should always be operational; and
2. The SSD system components (i.e., piping, ducting, fans, and exhaust configurations) should remain intact as designed.

5.3 Operation and Maintenance of SSD System

The following sections provide a description of the operation and maintenance of the SSD system. The OM&M Manual for the SSD system is provided in **Appendix L.** Cut sheets and as-built drawings for the SSD system are provided in **Appendix I**.

5.3.1 System Start-Up and Testing

As part of the design of the system, a general building assessment was performed, as well as sub-slab air communication testing. The purpose of the assessment was to gather sufficient information to design an efficient, effective, and balanced system. Following installation or any future modifications of the SSD system, the installer will perform a pre start-up inspection. This will consist of checking for sub-slab to indoor air short-circuits by utilizing smoke tubes;

verification that backdraft conditions are not present; verification of proper negative pressure differential; and confirmation that the warning device is functioning as designed.

Indoor air sampling in the Annex and an SVI assessment in the adjoining Main Building and Barn was performed subsequent to the start up of the SSDS. The sampling results are summarized in **Section 2.5.3** and **Section 4.4**.

The system testing described above will be conducted if, in the course of the SSD system lifetime, the system goes down or significant changes are made to the system and the system must be restarted.

5.3.2 Routine System Operation and Maintenance

The manufacturer of the SSD system fans (RadonAway) recommends the following operation checks and annual system maintenance:

1. Verify all connections are tight and leak-free.
2. Ensure the GX Pro Series Radon Fan and all ducting are secure and vibration-free.
3. Verify system vacuum pressure with manometer.
4. Ensure that vacuum pressure is within normal operating range and less than the maximum recommended operating pressure.

Table 5-1 provides a summary and schedule of routine maintenance.

Table 5-1: SSD System Routine Maintenance Schedule

EC	Component	Required Maintenance	Schedule
SSD System	Manometer	None, verify function	Inspect quarterly / annually, maintain as necessary
	Fan	None, verify function	Inspect quarterly / annually, maintain as necessary
	Alarm	None, verify function	Inspect quarterly / annually, maintain as necessary
	PVC Connections and Foundation Seals	None, verify adequacy	Inspect quarterly / annually, maintain as necessary
	Discharge Points	None, verify no obstructions	Inspect quarterly / annually, maintain as necessary
	Complete System (fan, piping, wiring, labels, etc.)	None, confirm no evidence of degradation	Inspect annually, maintain as necessary
	Foundation Slab and Walls	None, confirm no significant penetrations	Inspect annually, maintain as necessary

The OM&M Manual provided in **Appendix L** provides further information regarding routine operation, maintenance, and monitoring activities.

5.3.3 Non-Routine Operation and Maintenance

In the event of unusual fan noise, failure to start, physical damage or repeated circuit breaker trip, the fan will be turned off for service or replacement. Any changes in the structure, heating, ventilation, and air conditioning (HVAC) systems, slab conditions, etc. will require re-evaluation of the SSD system.

The OM&M Manual provided in **Appendix L** provides further information regarding non-routine maintenance activities.

5.3.4 System Monitoring Devices and Alarms

The SSD system has a warning device to indicate that the system is not operating properly. In the event that the warning device is activated, applicable maintenance and repairs will be conducted, as specified in the OM&M Manual, and the SSD system will be restarted. Operational problems will be noted in the PRR to be prepared for that reporting period.

5.4 Fire Safety

The building is equipped with a fire safety system that meets or exceeds the minimum requirements for building and fire protection and life safety systems as described in the Fire Code of NYS. The systems were designed by a NYS Licensed PE to comply with applicable local, state, and federal regulations. Prior to occupancy, the systems will be inspected for code compliance by the City of Syracuse Building Code Department and the City of Syracuse Fire Department. Ongoing periodic inspections include:

1. Annual fire department walks as described below;
2. Monthly and annual inspections of fire extinguishers;
3. Testing of emergency lighting;
4. Annual inspections of the sprinkler system;
5. Alarm system checks;
6. Ingress / egress checks; and
7. Backup generator checks.

The remedial party will conduct an annual facility walk with the local fire chief and/or fire suppression team. The site walk will allow for the addition of the facility to any local preplanning efforts. The NYSDEC project manager will be provided with the local fire chief's/fire suppression team's recommendations as soon as they become available. Following review, the NYSDEC project manager may direct the remedial party to implement the recommendations and/or revise the SMP.

6.0 PERIODIC ASSESSMENTS / EVALUATIONS

6.1 Climate Change Vulnerability Assessment (CVA)

Increases in both the severity and frequency of storms / weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given site and associated remedial systems. Vulnerability assessments provide information so that the site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

This section provides a current vulnerability assessment that evaluates the vulnerability of the site and / or ECs to severe storms / weather events and associated flooding. This section also identifies vulnerability assessment updates that will be conducted for the site in PRRs.

A climate screening was conducted to evaluate individual climate risks which might impact the Site's remedy. The climate screening was completed by reviewing data provided in the following:

- NYS Energy Research and Development Authority (NYSERDA) ClimAID Report (the Site is located in Region 6)
- National Oceanic and Atmospheric Administration (NOAA) Sea Level Rise Viewer
- NOAA National Hurricane Center Storm Surge Risk Maps
- NOAA National Integrated Drought Information System (NIDIS)
- Federal Emergency Management Agency (FEMA) National Risk Index
- United States Department of Agriculture (USDA) Forest Service Wildfire Risk to Communities
- United States Geologic Service (USGS) Landslide Inventory and Susceptibility Map

The following provides a summary of the hazards identified for the Site:

- **Precipitation** – The NYSERDA ClimAID Report indicated that Region 6 received an average of 51 inches of precipitation between 1971 and 2000. The precipitation for the region is projected to increase by 0-5% in the 2020s, 0-10% in the 2050s, and 5-15% in the 2080s. This equates to an approximate 2.5-inch increase in the 2020s, 5-inch increase in the 2050s, and 7.5-inch increase in the 2080s. The proposed Site redevelopment includes the upgrade

of stormwater systems, designed to handle 100-year storm events. A backup generator is located on-site to address power outages.

- **Temperature** – The NYSERDA ClimAID Report indicated that Region 6 had a baseline of 3 days per year with the maximum temperature exceeding 90°F. This number is projected to increase to a central range of 4-7 in the 2020s, 8-17 in the 2050s, and 12-36 in the 2080s. Similarly, the NYSERDA ClimAID Report indicated that Region 6 had a baseline of 147 days per year with the minimum temperature at or below 32°F. This number is projected to decrease to a central range of 120-130 in the 2020s, 108-121 in the 2050s, and 91-114 in the 2080s. It is not expected that extreme heat or cold will impact the proposed remedy.

- **Sea Level Rise** – According to the NOAA Sea Level Rise Viewer, the Site is not likely to be influenced by sea level rise due to its location inland.

- **Flooding** – According to the FEMA National Flood Hazard Layer, the Site is located in an area determined to be outside the 0.2% annual chance floodplain.

- **Storm Surge** – According to the NOAA Storm Surge Risk Map, the Site is not likely to be influenced by storm surges due to its location inland.

- **Wildfires** – According to the USDA Forest Service Wildfire Risk to Communities, the likelihood of a wildfire in Syracuse, New York is low. Syracuse is in the lowest 8% of communities nationwide in terms of wildfire risk. Similarly, according to the FEMA National Wildfire Hazard Layer, the Site is located in an area with Very Low Wildfire risk. The area is in the lowest 1.55% of nationwide census tracts and the lowest 5.4% of statewide census tracts.

- **Drought** – According to the NOAA NIDIS, Onondaga County is not affected by drought and had 0.14-inch increase in precipitation in 2025 from normal values. Furthermore, both the short-term and long-term Multi-Indicator Drought Index estimate wet conditions for Onondaga County. According to the NYSERDA ClimAID Report, the number of droughts is likely to increase by the end of the century, however, drought projections are marked by relatively large uncertainty.

- **Storm Severity** – The NYSERDA ClimAID Report indicated that Region 6 had a baseline of 5 days per year with the amount of rainfall exceeding 1 inch. This number is projected to increase to a central range of 6-8 in the 2020s and 2050s and 7-10 in the 2080s. Similarly, the NYSERDA ClimAID Report indicated that Region 6 had a baseline of 0.8 days per year with the amount of rainfall exceeding 2 inches. This number is projected to increase to a central range of 0.6-0.9 in the 2020s and 0.6-1 in the 2050s and 2080s. The proposed Site redevelopment includes the upgrade of stormwater systems, designed to handle 100-year storm events. A backup generator is located on-site to address power outages.

- **Landslides** – According to the USGS Landslide Inventory and Susceptibility Map, the Site is located in an area with very low landslide potential.

Based on the above assessment of potential climate hazards, precipitation, temperature, and storm severity are relevant to the Site and precipitation and storm severity can have a potential impact to the Site remedy. However, the Site redevelopment includes the upgrade of stormwater systems, designed to handle 100-year storm events, making the Site and remedy resilient to the climate hazards. In addition, the Site is relatively flat with limited pervious cover. As such, acute soil cover erosion and the resultant potential exposure to remaining contamination is highly unlikely.

The SSD system (a portion of the Site remedy) is reliant upon electrical power. A backup generator is available at the Site to address any electrical issues / outages that may arise as a result of precipitation and / or storm severity.

6.2 Green Remediation Evaluation

NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section provides an environmental footprint analysis of the remedy, as implemented at the time of this SMP. This section of the SMP also provides a summary of green remediation evaluations to be completed for the site during site management and reported in PRRs.

The following green activities have occurred during Site development, Site remediation, or during Site management / operation:

<u>Waste:</u>

1. Clean asphalt removed during Site work was reused as part of the new pavement assembly, to the extent possible.

2. Clean concrete and excess clean asphalt removed during Site work was sent to a recycling facility.

3. General refuse and recyclable material generated from future Site occupants will be separated into respective dumpsters.

4. Excess soil generated during the construction of the cover system, buried utilities, and other Site features was reused under the cover system to the extent possible.

5. Contractor teammates carpooled to perform Site work, to the extent possible.

Energy:

1. The redevelopment of the building included the installation of new modern electrical service, transformer, and wiring.

2. Interior and exterior lighting is LED and on timers or occupancy sensors, as appropriate.

3. Appliances such as dishwashers and / or refrigerators are Energy Star.

4. The redevelopment of the buildings included upgrades to the building envelope (enhanced insulation, high-performance windows, and air sealing), reducing heat loss in the winter and heat gain in the summer while improving overall energy efficiency.

Water Usage:

1. Fixtures such as toilets and shower heads are low flow / low use.

Land / Ecosystems:

1. Imported aggregate, soil, concrete, and asphalt was obtained from local sources.

Emissions:

1. The HVAC system for the buildings features a combination of heat pumps and energy-efficient boilers. The electric heat pumps will typically handle water source heating and cooling during milder weather when it's more efficient while the high efficiency natural gas boilers will add heat to the system during more extreme temperatures. This system balances energy efficiency with performance, reducing fossil fuel use.

The resources utilized to perform the remedy, including water and energy, as well as emissions will be summarized in the FER.

6.2.1 Timing of Green Remediation Evaluations

For major remedial system components, green remediation evaluations and corresponding modifications will be undertaken as part of a formal Remedial System Optimization (RSO), or at any time that the NYSDEC project manager feels appropriate, (e.g. during significant maintenance events or in conjunction with storm recovery activities).

Modifications resulting from green remediation evaluations will be routinely implemented and scheduled to occur during planned/routine operation and maintenance activities after approval from the DER project manager. Reporting of these modifications will be presented in the PRR.

6.2.2 Remedial Systems

Remedial systems will be operated properly considering the current site conditions to conserve materials and resources to the greatest extent possible. Consideration will be given to operating rates and use of reagents and consumables. Spent materials will be sent for recycling, as appropriate.

6.2.3 Building Operations

Site buildings will be operated and maintained to provide for the most efficient operation of the remedy, while minimizing energy, waste generation, and water consumption. This includes heating / cooling systems and temperature set-points, building skin (insulation, building use, and occupancy), ventilation, lighting and plug loads, and grounds and property management.

6.2.4 Frequency of System Checks, Sampling, and Other Periodic Activities

Transportation to and from the Site, use of consumables in relation to visiting the Site in order to conduct system checks and / or collect samples, and shipping samples to a laboratory for analyses have direct and / or inherent energy costs. The schedule and / or means of these periodic activities have been prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources. The frequency of sampling and Site visits has been minimized as much as feasible to ensure the effectiveness of the remedy.

6.2.5 Metrics and Reporting

As discussed in **Section 7.0** and as shown in **Appendix K** – Site Management Forms, information on energy usage, solid waste generation, transportation and shipping, water usage and land use and ecosystems will be recorded to facilitate and document consistent implementation of green remediation during site management and to identify corresponding benefits. A set of metrics has been developed and will be evaluated over time to ensure that green remediation actions are achieving the desired results.

6.3 Remedial System Optimization

A RSO study will be conducted any time that the NYSDEC project manager or the remedial party requests in writing that an in-depth evaluation of the remedy is needed. An RSO may be appropriate if any of the following occur:

1. The remedial actions have not met or are not expected to meet RAOs in the time frame estimated in the Decision Document;

2. The management and operation of the remedial system is exceeding the estimated costs;

3. The remedial system is not performing as expected or as designed;

4. Previously unidentified source material may be suspected;

5. Plume shift has potentially occurred;

6. Site conditions change due to development, change of use, change in groundwater use, etc.;

7. There is an anticipated transfer of the Site management to another remedial party or agency; and

8. A new and applicable remedial technology becomes available.

A RSO will provide a critique of a Site's conceptual model, give a summary of past performance, document current cleanup practices, summarize progress made toward the Site's cleanup goals, gather additional performance or media specific data and information and provide recommendations for improvements to enhance the ability of the present system to reach RAOs or to provide a basis for changing the remedial strategy.

The RSO study will focus on overall Site cleanup strategy, process optimization and management with the intent of identifying impediments to cleanup and improvements to Site operations to increase efficiency, cost effectiveness and remedial time frames. Green remediation technology and principals are to be considered when performing the RSO.

7.0 REPORTING REQUIREMENTS

7.1 Site Management Reports

All site management inspection, maintenance and monitoring events will be recorded on the appropriate site management forms provided in **Appendix K**. These forms are subject to NYSDEC revision. All site management inspection, maintenance, and monitoring events will be conducted by a qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in NYS, or a qualified person who directly reports to a PE who is licensed and registered in NYS.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of **Table 7-1** and summarized in the PRR.

Table 7-1: Schedule of Interim Monitoring/Inspection Reports

Task/Report	Reporting Frequency*
Soil Vapor Mitigation System Routine Inspection Report	Annually
Site-Wide Inspection Report	Annually
Periodic Review Report	Annually, or as otherwise determined by the NYSDEC

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC project manager.

All interim monitoring / inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation);
- Sampling results in comparison to appropriate standards/criteria;

- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and
- A determination as to whether contaminant conditions have changed since the last reporting event.

Routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting maintenance activities;
- Description of maintenance activities performed;
- Any modifications to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Description of non-routine activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

Data will be reported in digital format as determined by the NYSDEC. Currently, data is to be supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link http://www.dec.ny.gov/chemical/62440.html.

7.2 Periodic Review Report

A PRR will be submitted to the NYSDEC project manager beginning sixteen (16) months after the COC is issued. After submittal of the initial PRR, the next PRR shall be submitted [annually or every third or fifth year, as appropriate] to the NYSDEC project manager or at another frequency as may be required by the NYSDEC project manager. In the event that the site is subdivided into separate parcels with different ownership, a single PRR will be prepared that addresses the site described in **Appendix A** – Environmental Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into the PRR. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site.
- Results of the required annual site inspections, fire inspections and severe condition inspections, if applicable.
- Description of any change of use, import of materials, or excavation that occurred during the certifying period.
- All applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
- Identification of any wastes generated during the reporting period, along with waste characterization data, manifests, and disposal documentation.
- A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.
- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These tables and figures will include a presentation of past data as part of an evaluation of contaminant concentration trends, including but not limited to:
    - Trend monitoring graphs that present groundwater contaminant levels from before the start of the remedy implementation to the most current sampling data;
    - Trend monitoring graphs depicting system influent analytical data on a per event and cumulative basis;
    - OM&M data summary tables;
    - A current plume map for sites with remaining groundwater contamination; and

- A groundwater elevation contour map for each gauging event.

- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQuISTM database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

- A site evaluation, which includes the following:
  - The compliance of the remedy with the requirements of the site-specific Remedial Action Work Plan (RAWP) or Decision Document;
  - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;
  - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;
  - Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan;
  - An update to the climate change vulnerability assessment (CVA) if site or external conditions have changed since the previous assessment, and recommendations to address vulnerabilities.
  - A summary of the Green Remediation evaluation, including a quantitative and qualitative overview of a site's environmental impacts and recommendations to improve the remedy's environmental footprint. The PRR will include the completed Summary of Green Remediation Metrics form provided in **Appendix K.**
  - An evaluation of trends in contaminant levels in the affected media to determine if the remedy continues to be effective in achieving remedial goals as specified by the RAWP or Decision Document; and
  - The overall performance and effectiveness of the remedy.

7.2.1 Certification of Institutional and Engineering Controls

Following the last inspection of the reporting period, a qualified environmental professional as defined in 6 NYCRR Part 375 or PE licensed to practice and registered in NYS will prepare, and include in the PRR, the following certification as per the requirements of NYSDEC DER-10:

"*For each institutional or engineering control identified for the site, I certify that all of the following statements are true:*

- *The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*

- *The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*

- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*

- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*

- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*

- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*

- *Use of the site is compliant with the environmental easement;*

- *The engineering control systems are performing as designed and are effective;*

- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices; and*

- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner/Remedial Party or Owner's/Remedial Party's Designated Site Representative] for the site."

- *No new information has come to my attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-site contamination are no longer valid; and*

- *The assumptions made in the qualitative exposure assessment remain valid.*

The signed certification will be included in the PRR.

The PRR will be submitted, in electronic format, to the NYSDEC project manager and the NYSDOH project manager. The PRR may also need to be submitted in hard-copy format if requested by the NYSDEC project manager.

7.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an IC or EC or failure to conduct site management activities, a Corrective Measures Work Plan will be submitted to the NYSDEC project manager for approval.

This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC project manager.

7.4 Remedial Site Optimization Report

If an RSO is to be performed (see **Section 6.3**), upon completion of an RSO, an RSO report must be submitted to the NYSDEC project manager for approval. A general outline for the RSO report is provided in **Appendix M**. The RSO report will document the research/ investigation and data gathering that was conducted, evaluate the results and facts obtained, present a revised conceptual site model and present recommendations. RSO recommendations are to be implemented upon approval from the NYSDEC. Additional work plans, design documents, HASPs etc., may still be required to implement the recommendations, based upon the actions that need to be taken. A FER and update to the SMP may also be required.

The RSO report will be submitted, in electronic format, to the NYSDEC project manager and the NYSDOH project manager.

8.0 REFERENCES

6 NYCRR Part 375, Environmental Remediation Programs, NYSDEC, December 14, 2006.

Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, as amended, NYSDEC, 1998.

Alternatives Analysis Report (AAR) and Remedial Action Work Plan (RAWP) for 1153-69 West Fayette Street, Syracuse, Onondaga County, New York (BCP Site No. C734164), C&S Engineers, June 2025.

Decision Document, 1153-69 West Fayette Street Brownfield Cleanup Program, Syracuse, Onondaga County, Site No. C734164, New York State Department of Environmental Conservation, March 2026.

DER-10 – Technical Guidance for Site Investigation and Remediation. May 2010, NYSDEC

Interim Remedial Measure Work Plan for 1153-69 West Fayette Street, Syracuse, Onondaga County, New York (BCP Site No. C734164), C&S Engineers, May 2025 (Revised July 2025).

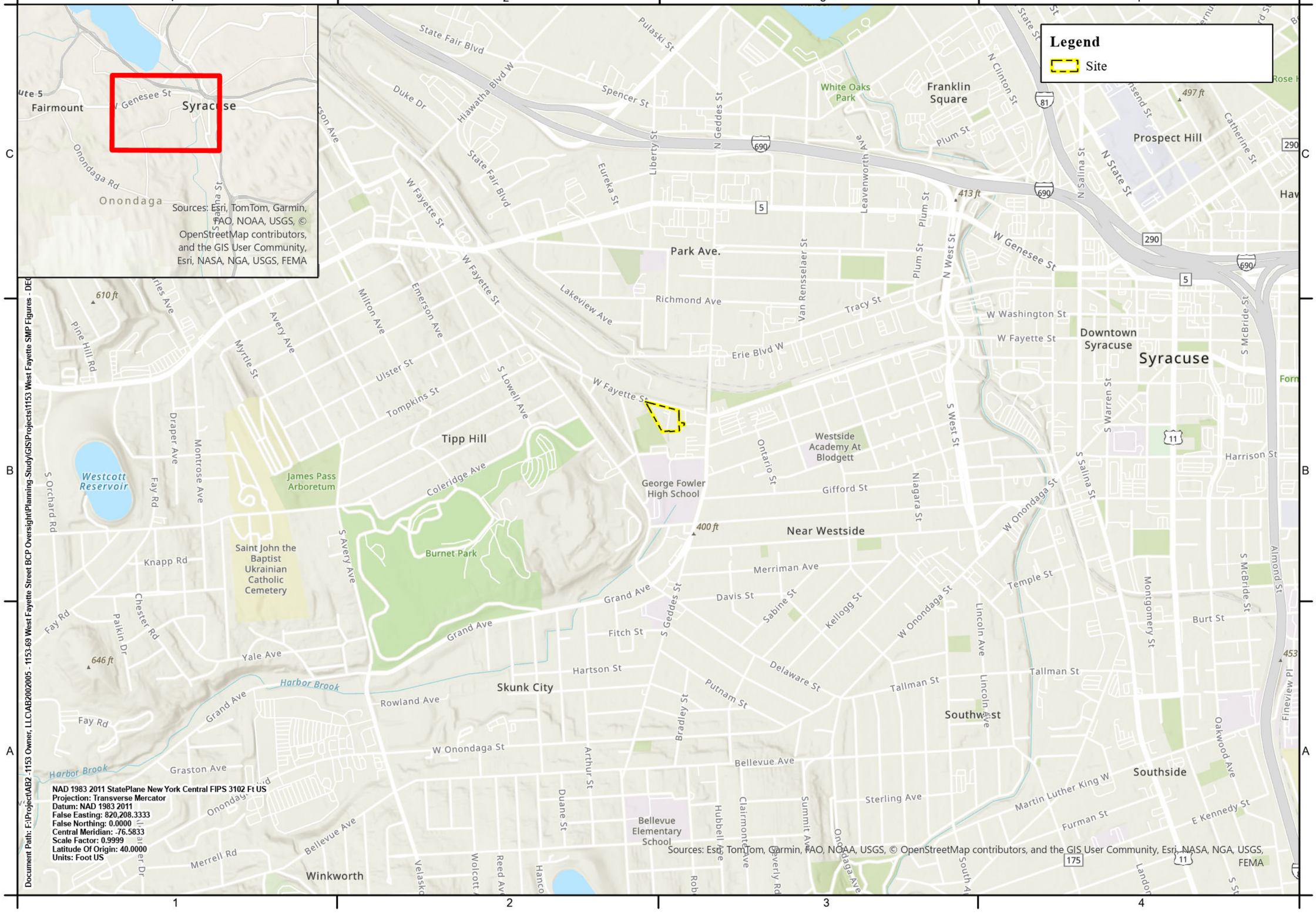
Remedial Investigation Report for 1153-69 West Fayette Street, Syracuse, Onondaga County, New York (BCP Site No. C734164), C&S Engineers, April 2025.

Tank and Spill Closure Report for 1153-69 West Fayette Street, Syracuse, Onondaga County, New York (BCP Site No. C734164), C&S Engineers, May 2025.

Sampling, Analysis, and Assessment or Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, NYSDEC, April 2023.

Soil Vapor Intrusion Assessment Report for 1153-69 West Fayette Street, Syracuse, Onondaga County, New York (BCP Site No. C734164), C&S Engineers, February 2026.

Figures



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SITE LOCATION MAP

FIGURE 1



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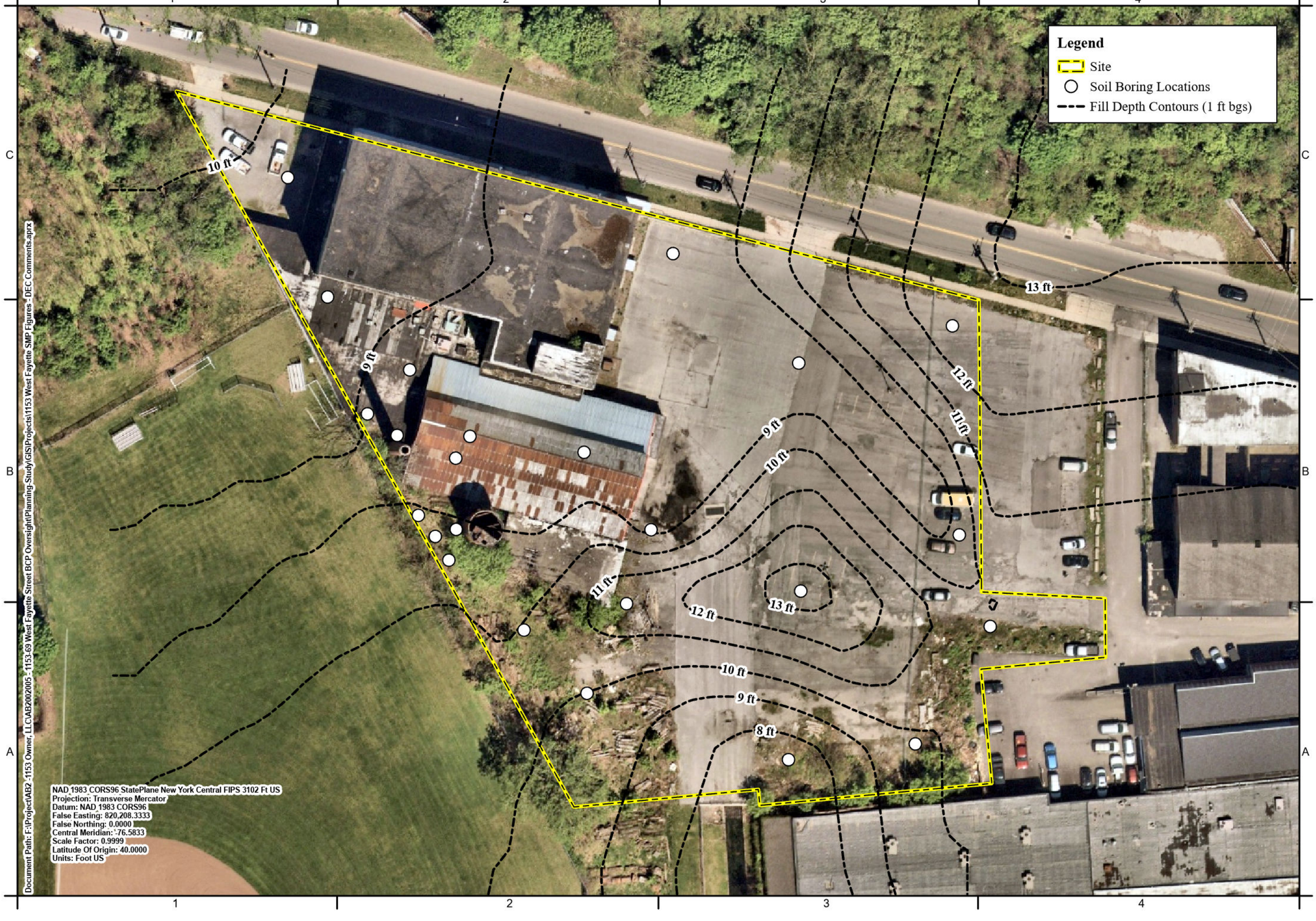
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SITE MAP

FIGURE 2



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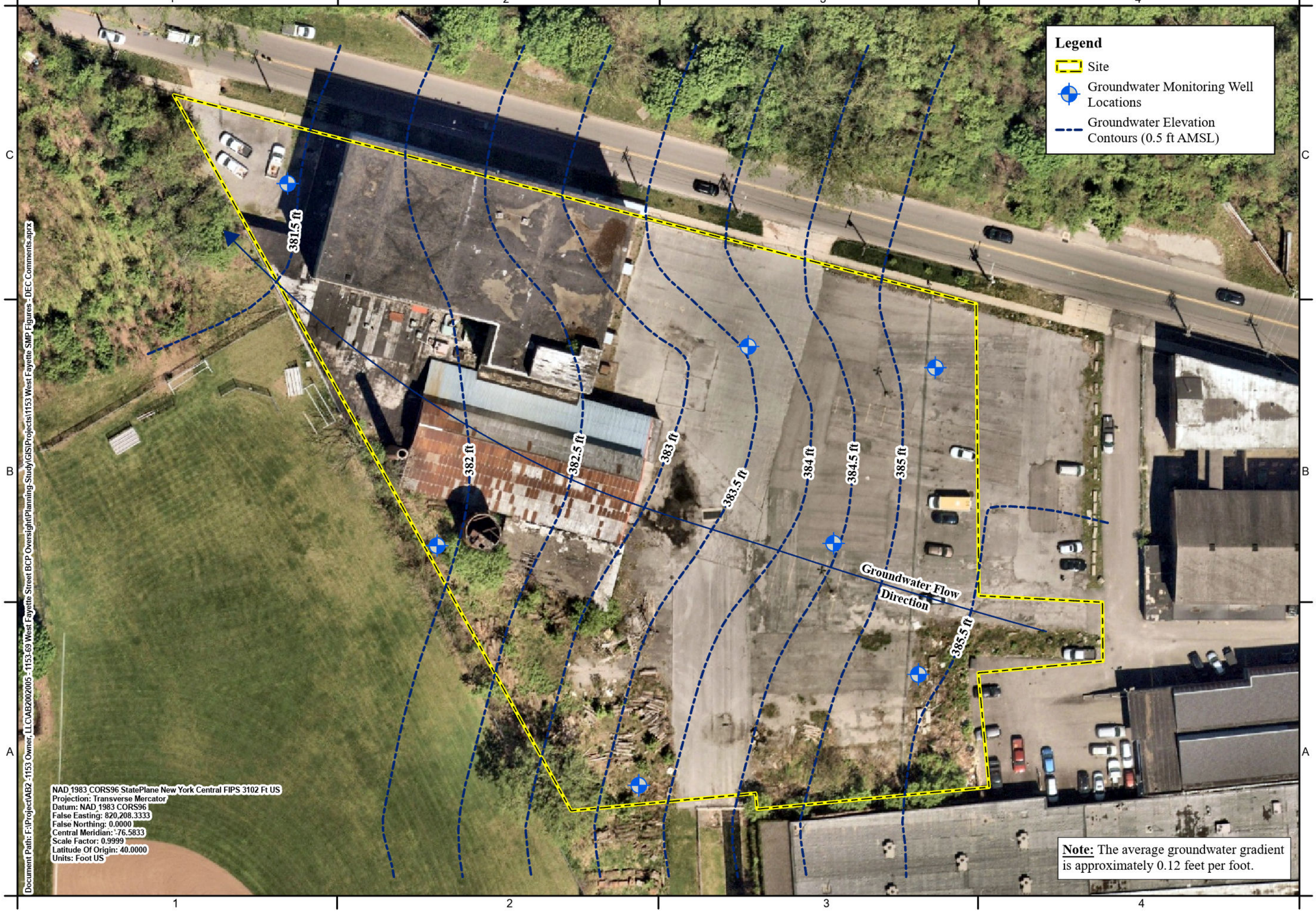
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FILL DEPTHS

FIGURE 3



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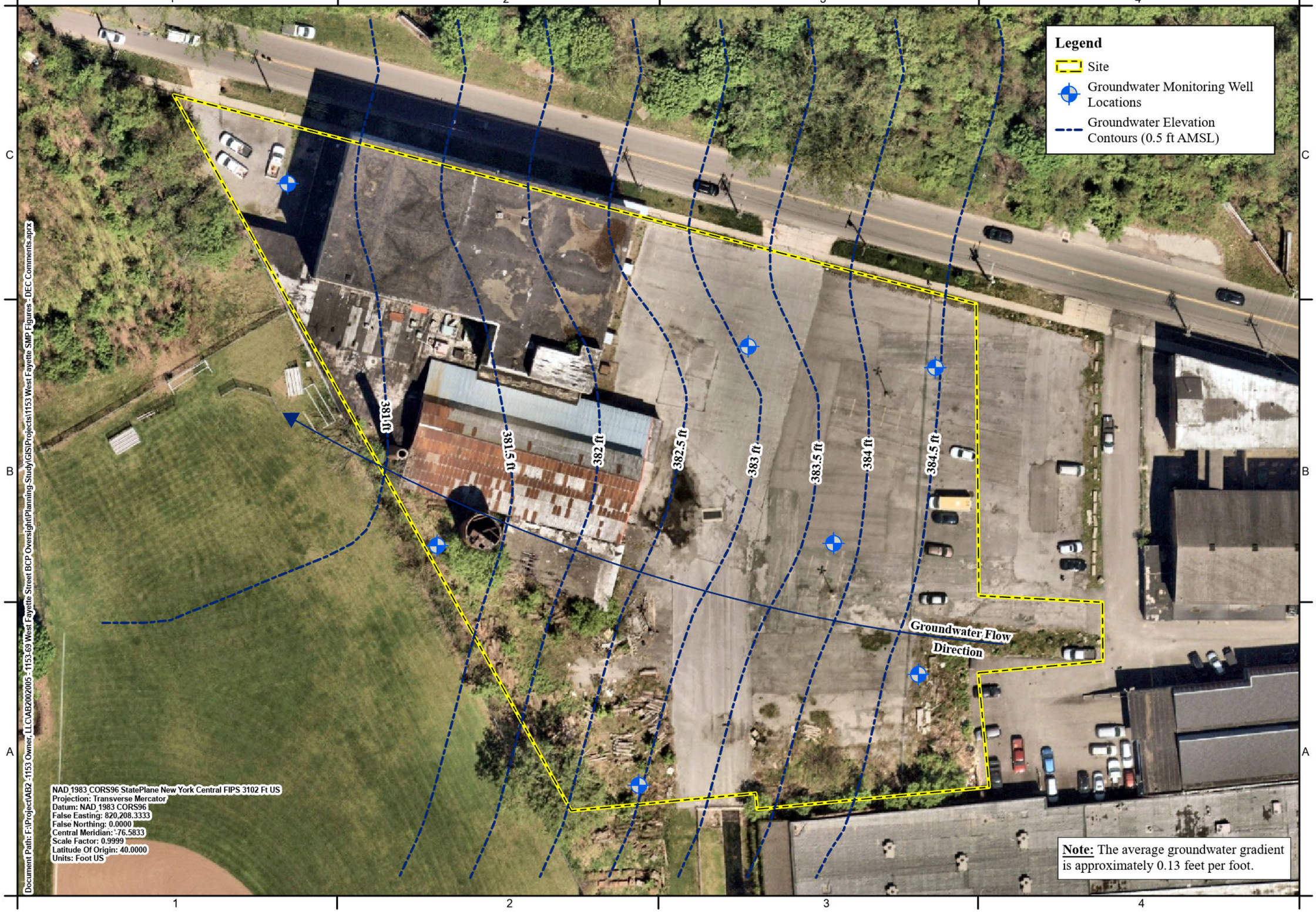
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GROUNDWATER FLOW CONTOURS - DECEMBER 2024

FIGURE 4a



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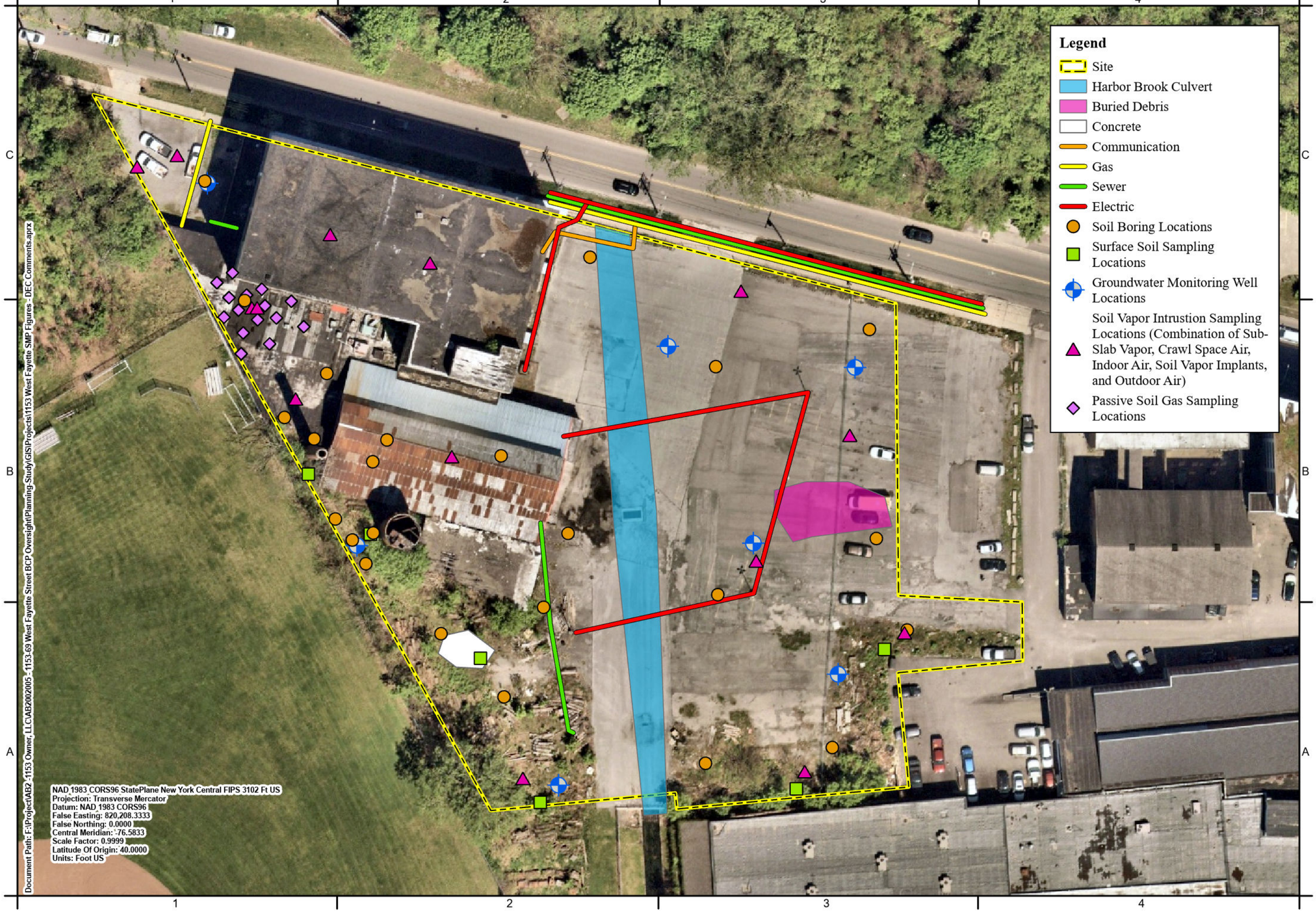
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GROUNDWATER FLOW CONTOURS - FEBRUARY 2025

FIGURE 4b



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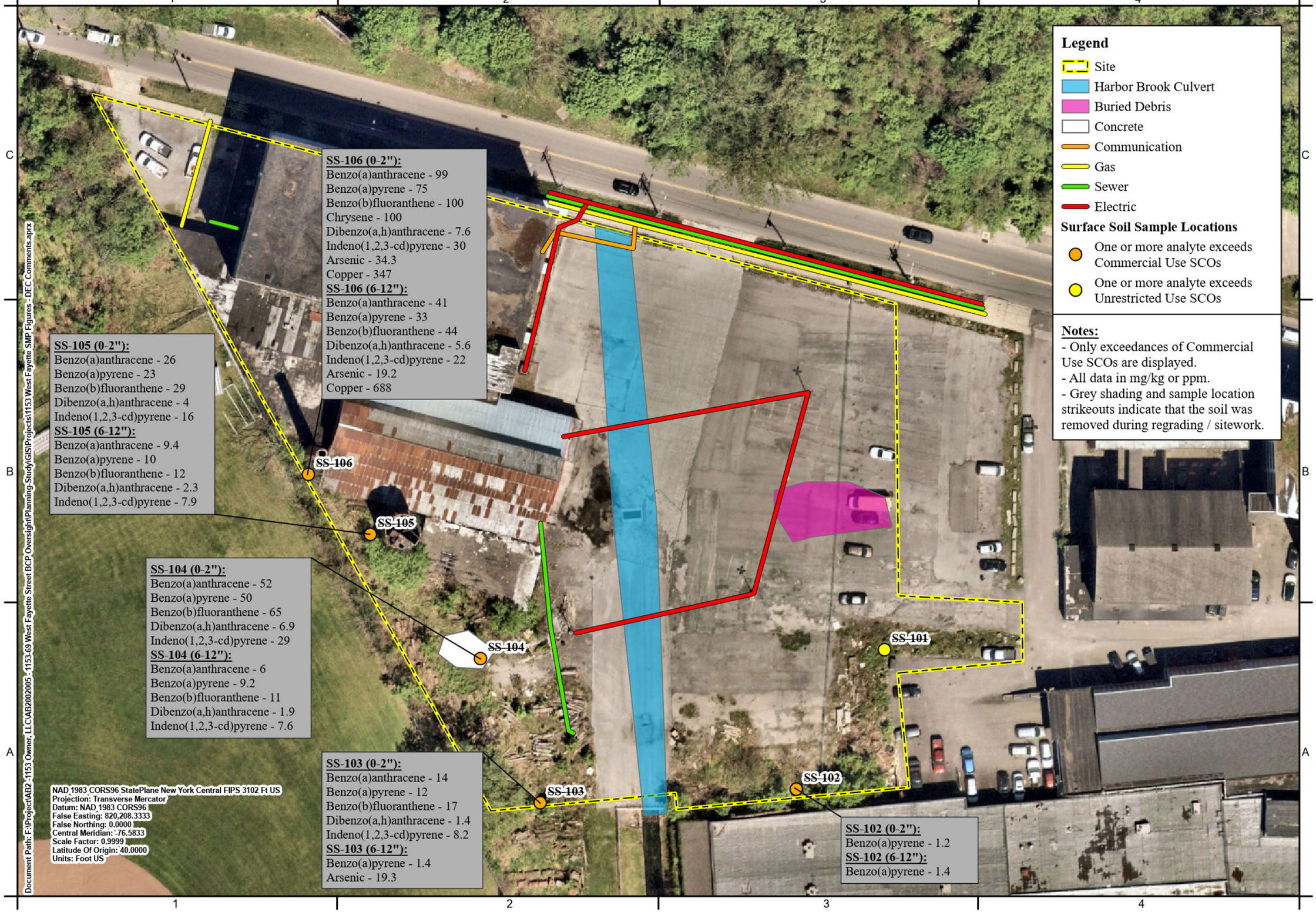
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REMEDIAL INVESTIGATION SAMPLING LOCATIONS

FIGURE 5



Legend

- Site
- Harbor Brook Culvert
- Buried Debris
- Concrete
- Communication
- Gas
- Sewer
- Electric

Surface Soil Sample Locations

- One or more analyte exceeds Commercial Use SCOs
- One or more analyte exceeds Unrestricted Use SCOs

Notes:

- Only exceedances of Commercial Use SCOs are displayed.
- All data in mg/kg or ppm.
- Grey shading and sample location strikeouts indicate that the soil was removed during regrading / sitework.

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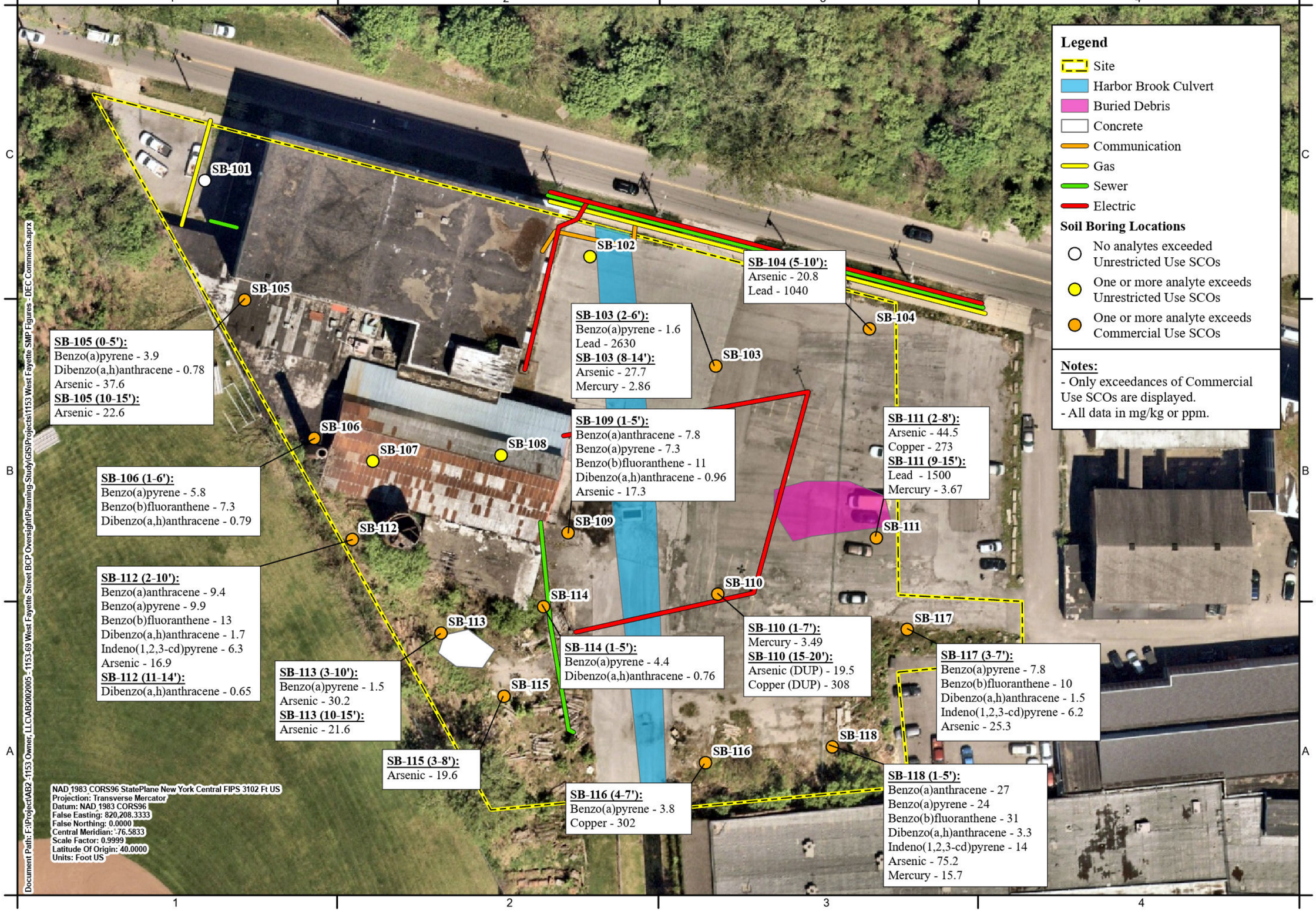
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SURFACE SOIL SAMPLING RESULTS

FIGURE 6



Legend

- Site
- Harbor Brook Culvert
- Buried Debris
- Concrete
- Communication
- Gas
- Sewer
- Electric

Soil Boring Locations

- No analytes exceeded Unrestricted Use SCOs
- One or more analyte exceeds Unrestricted Use SCOs
- One or more analyte exceeds Commercial Use SCOs

Notes:
- Only exceedances of Commercial Use SCOs are displayed.
- All data in mg/kg or ppm.

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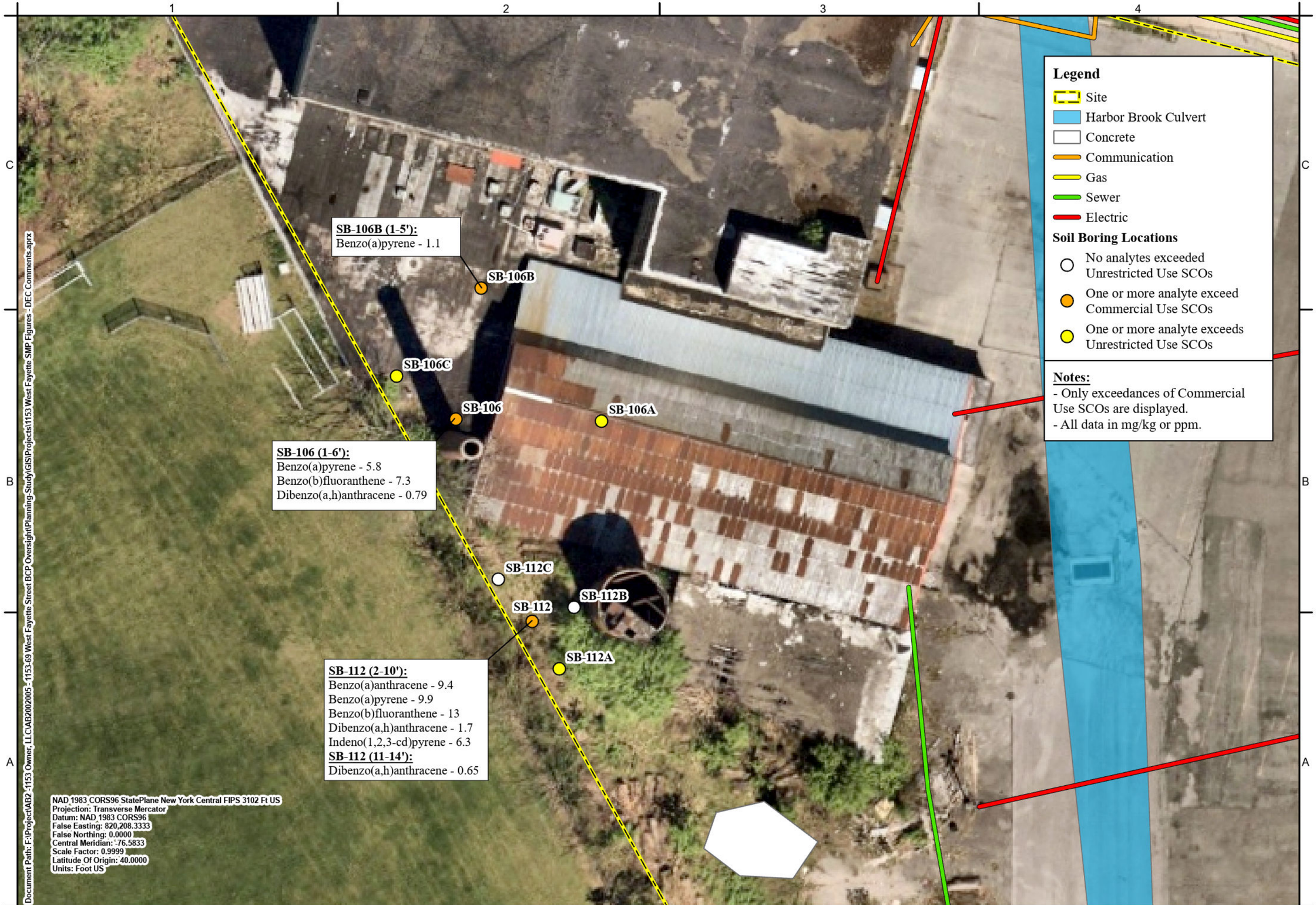
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SITE-WIDE SOIL BORING RESULTS

FIGURE 7a



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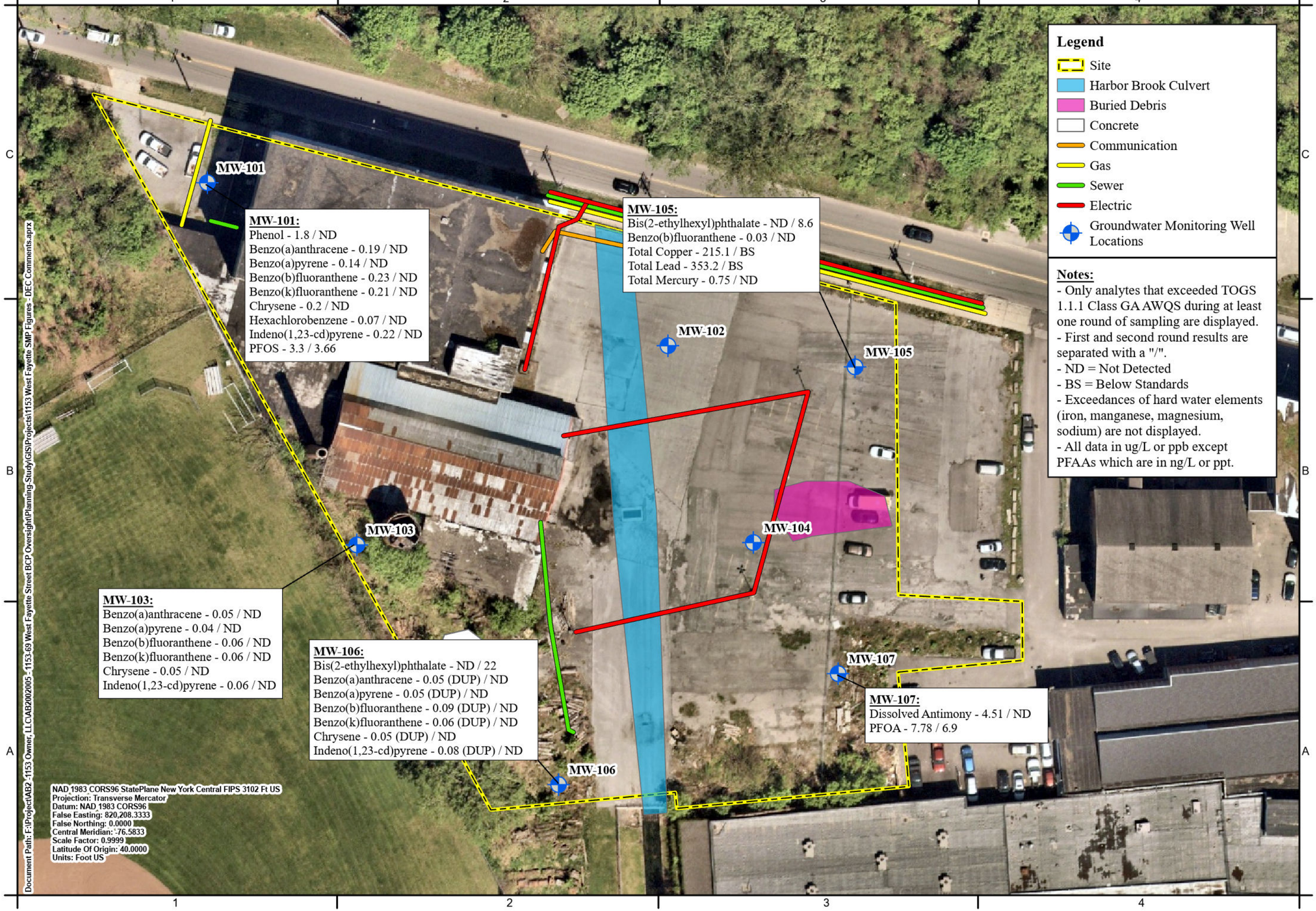
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PETROLEUM DELINEATION SOIL BORING RESULTS

FIGURE 7b



Legend

- Site
- Harbor Brook Culvert
- Buried Debris
- Concrete
- Communication
- Gas
- Sewer
- Electric
- Groundwater Monitoring Well Locations

Notes:

- Only analytes that exceeded TOGS 1.1.1 Class GA AWQS during at least one round of sampling are displayed.
- First and second round results are separated with a "/".
- ND = Not Detected
- BS = Below Standards
- Exceedances of hard water elements (iron, manganese, magnesium, sodium) are not displayed.
- All data in ug/L or ppb except PFAAs which are in ng/L or ppt.

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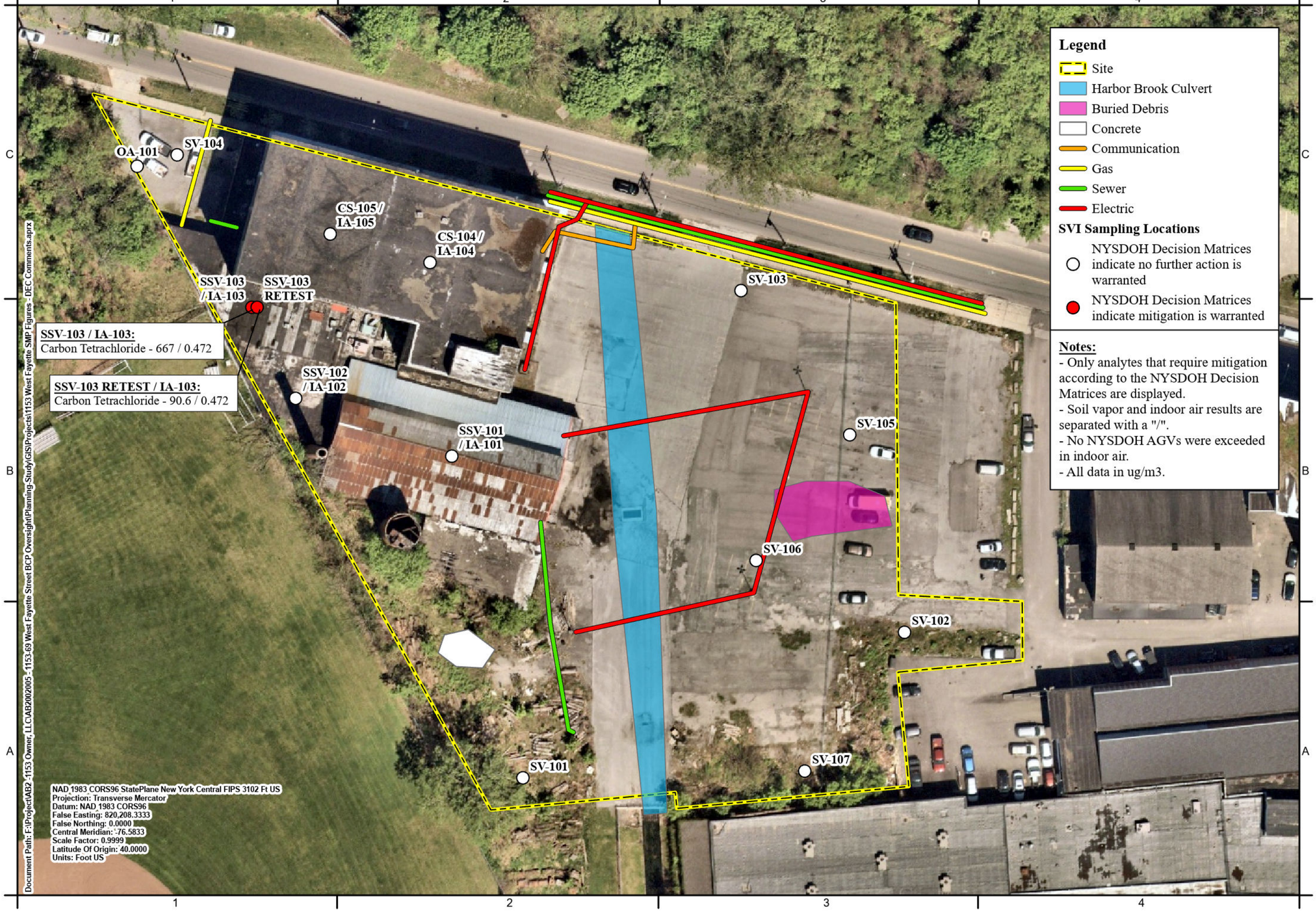
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GROUNDWATER SAMPLING RESULTS

FIGURE 8



Legend

- Site
- Harbor Brook Culvert
- Buried Debris
- Concrete
- Communication
- Gas
- Sewer
- Electric

SVI Sampling Locations

- NYSDOH Decision Matrices indicate no further action is warranted
- NYSDOH Decision Matrices indicate mitigation is warranted

Notes:

- Only analytes that require mitigation according to the NYSDOH Decision Matrices are displayed.
- Soil vapor and indoor air results are separated with a "/".
- No NYSDOH AGVs were exceeded in indoor air.
- All data in ug/m3.

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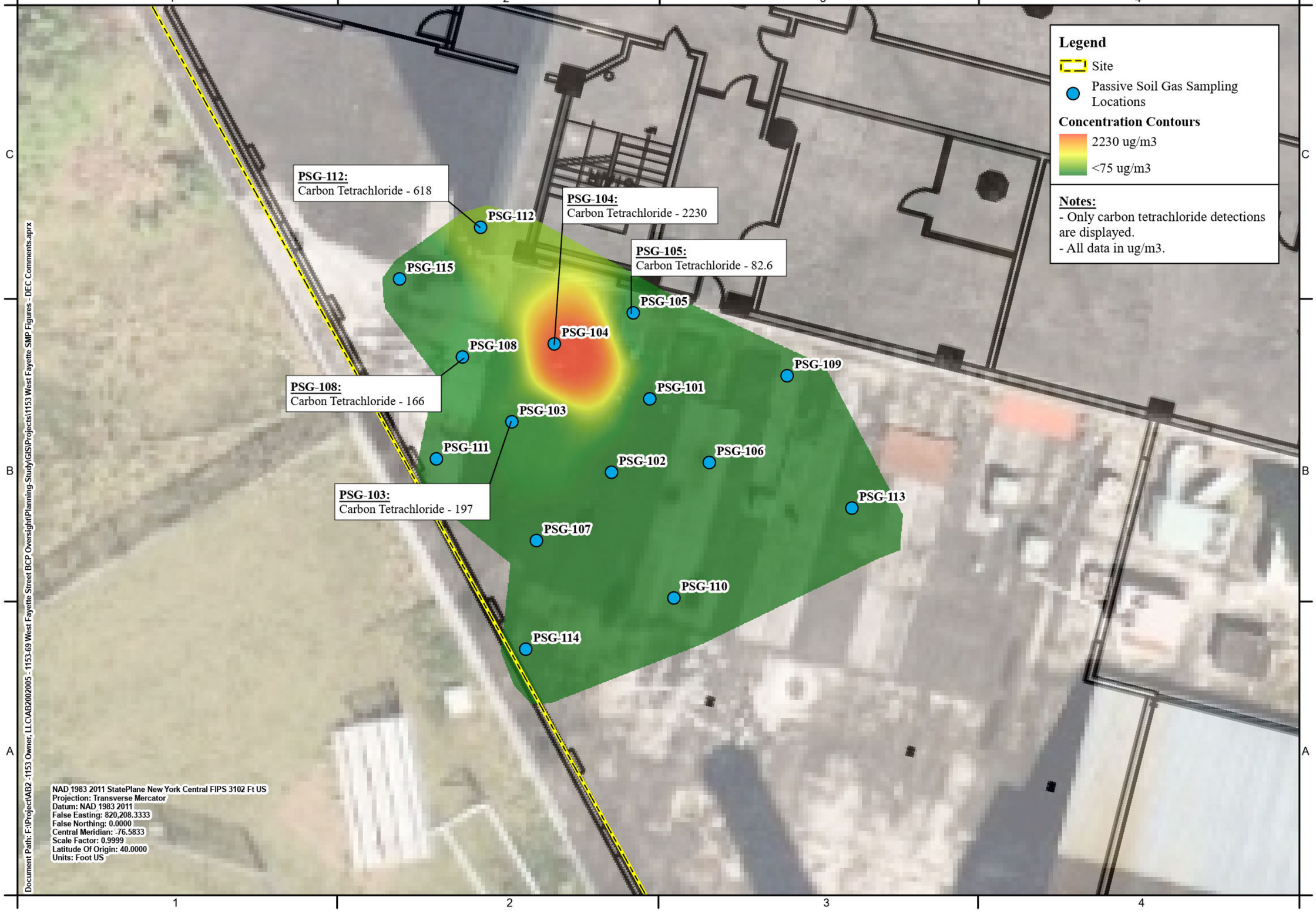
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RI SVI SAMPLING RESULTS

FIGURE 9a



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PASSIVE SOIL GAS SAMPLING RESULTS

FIGURE 9b

Sampling Date	7/14/2025	7/21/2025	7/28/2025	8/4/2025	8/11/2025	8/18/2025	8/26/2025 (Tedlar)	8/26/2025 (Summa)	9/2/2025	9/9/2025
Carbon tetrachloride	ND (667)	24.6	11.6 J	11.8	ND (15)	10.8	5.37	7.36	17.1	6.28
Heptane	ND (434)	158 J	166	211	179	165	75.8	ND (20.9)	85.7	82.4
n-Hexane	ND (374)	115 J	31.5 J	58.2	ND (83.9)	31.2	ND (18.3)	ND (17.9)	895	ND (16)

Legend

- Site
- SVE Well Locations
- RI SVI Sampling Locations
- RI Passive Soil Gas Sampling Locations

Notes:

- Only analytes that exceeded the lowest tier of the respective NYSDOH Decision Matrix are displayed.
- SVE-101 was shut down for one week from 8/26/25 to 9/2/25.
- All data in ug/m3.
- ND (XX) = Not detected (reporting limit)

SVE-102

SVE-101

Sampling Date	7/14/2025	7/21/2025	7/28/2025	8/4/2025	8/11/2025	8/18/2025	8/26/2025 (Tedlar)	8/26/2025 (Summa)	9/2/2025	9/9/2025
Carbon tetrachloride	ND (786)	ND (32.1)	ND (19.3)	ND (8.93)	ND (29.9)	5.46	ND (5.24)	42.8	99.4	6.67
Heptane	ND (512)	216	242	251	215	235	90.6	ND (52.5)	95.1	144
n-Hexane	ND (441)	59.2 J	61 J	94.1	ND (168)	56.7	61.7	142	260	ND (13.5)
Trichloroethene	ND (672)	ND (27.4)	ND (16.5)	ND (7.63)	ND (25.6)	ND (4.44)	ND (4.48)	15.9	4.41	2.99

NAD 1983 2011 StatePlane New York Central FIPS 3102 Ft US
Projection: Transverse Mercator
Datum: NAD 1983 2011
False Easting: 820,208.3333
False Northing: 0.0000
Central Meridian: -76.5833
Scale Factor: 0.9999
Latitude Of Origin: 40.0000
Units: Foot US

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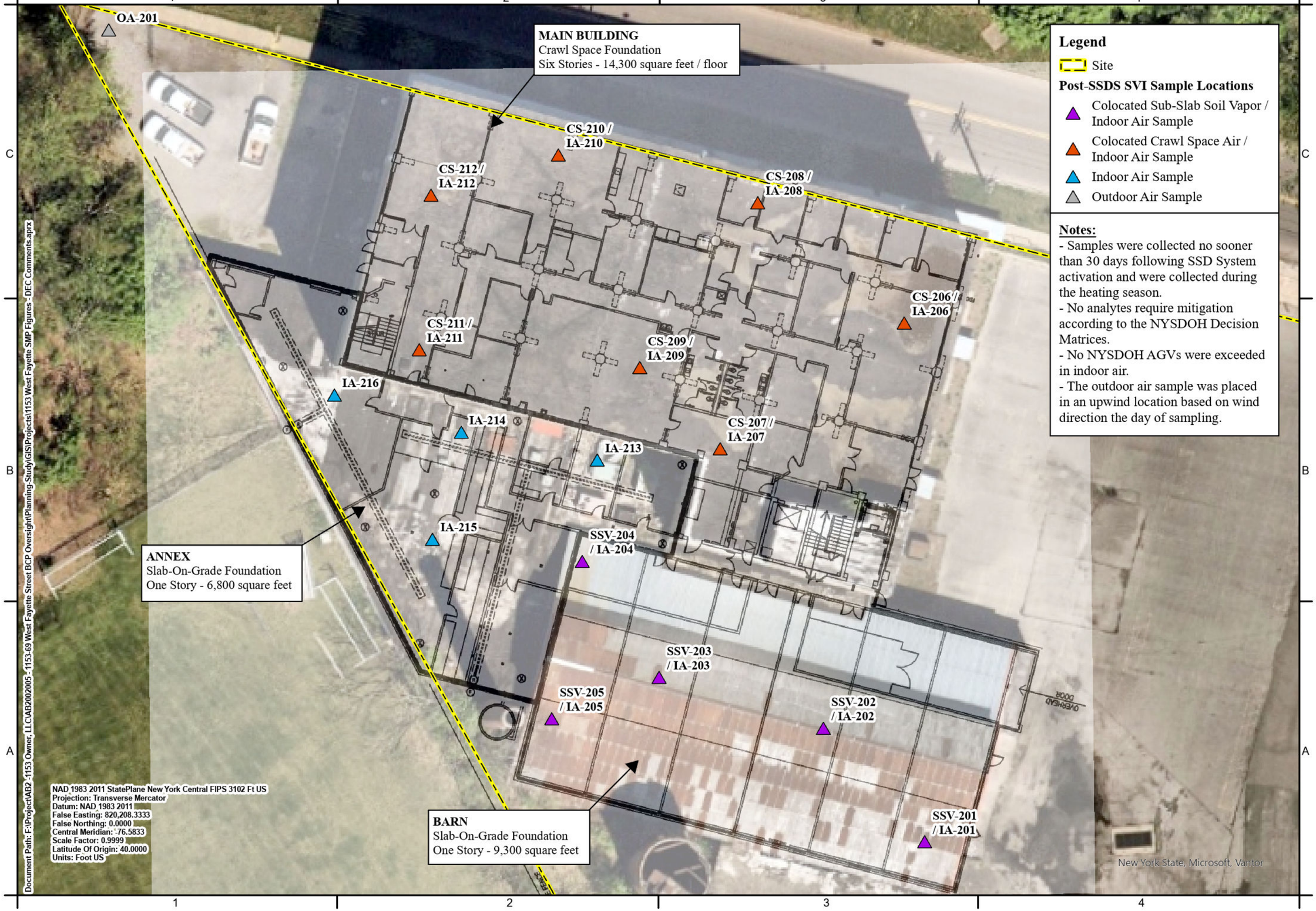
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SVE SYSTEM LOCATION AND SAMPLING RESULTS

FIGURE 9c



Legend

- Site

Post-SSDS SVI Sample Locations

- Colocated Sub-Slab Soil Vapor / Indoor Air Sample
- Colocated Crawl Space Air / Indoor Air Sample
- Indoor Air Sample
- Outdoor Air Sample

Notes:

- Samples were collected no sooner than 30 days following SSD System activation and were collected during the heating season.
- No analytes require mitigation according to the NYSDOH Decision Matrices.
- No NYSDOH AGVs were exceeded in indoor air.
- The outdoor air sample was placed in an upwind location based on wind direction the day of sampling.

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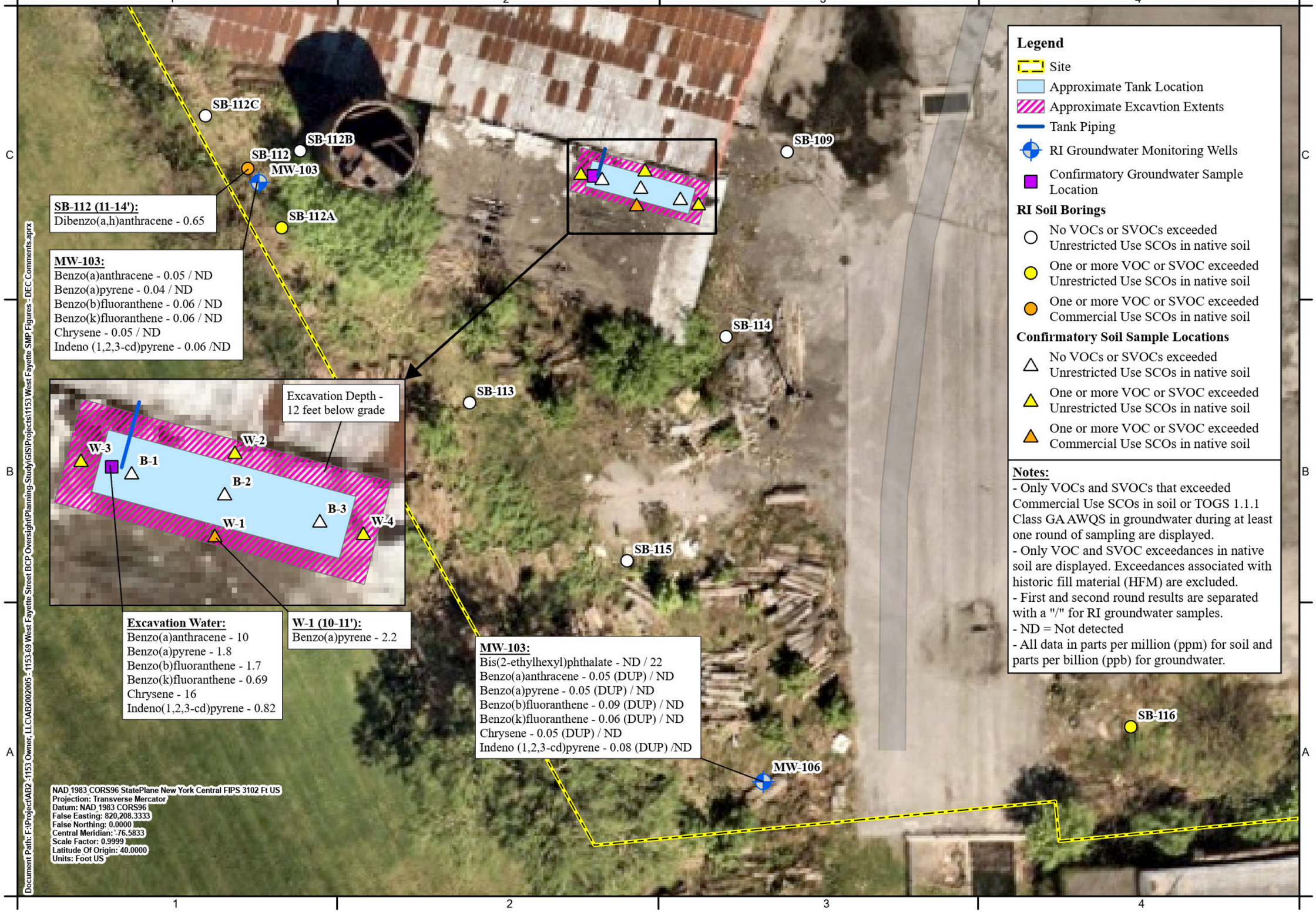
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DRAWN BY:	CND
DESIGNED BY:	CND
CHECKED BY:	HNB

Modified: 3/3/2026 @ 9:07 AM

POST-SSD SYSTEM SVI SAMPLING LOCATIONS

FIGURE 9d



Legend

- Site
- Approximate Tank Location
- Approximate Excavtion Extents
- Tank Piping
- RI Groundwater Monitoring Wells
- Confirmatory Groundwater Sample Location

RI Soil Borings

- No VOCs or SVOCs exceeded Unrestricted Use SCOs in native soil
- One or more VOC or SVOC exceeded Unrestricted Use SCOs in native soil
- One or more VOC or SVOC exceeded Commercial Use SCOs in native soil

Confirmatory Soil Sample Locations

- No VOCs or SVOCs exceeded Unrestricted Use SCOs in native soil
- One or more VOC or SVOC exceeded Unrestricted Use SCOs in native soil
- One or more VOC or SVOC exceeded Commercial Use SCOs in native soil

Notes:

- Only VOCs and SVOCs that exceeded Commercial Use SCOs in soil or TOGS 1.1.1 Class GA AWQS in groundwater during at least one round of sampling are displayed.
- Only VOC and SVOC exceedances in native soil are displayed. Exceedances associated with historic fill material (HFM) are excluded.
- First and second round results are separated with a "/" for RI groundwater samples.
- ND = Not detected
- All data in parts per million (ppm) for soil and parts per billion (ppb) for groundwater.

C&S COMPANIES®
C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
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N

0 20 Feet
1 inch equals 20 feet

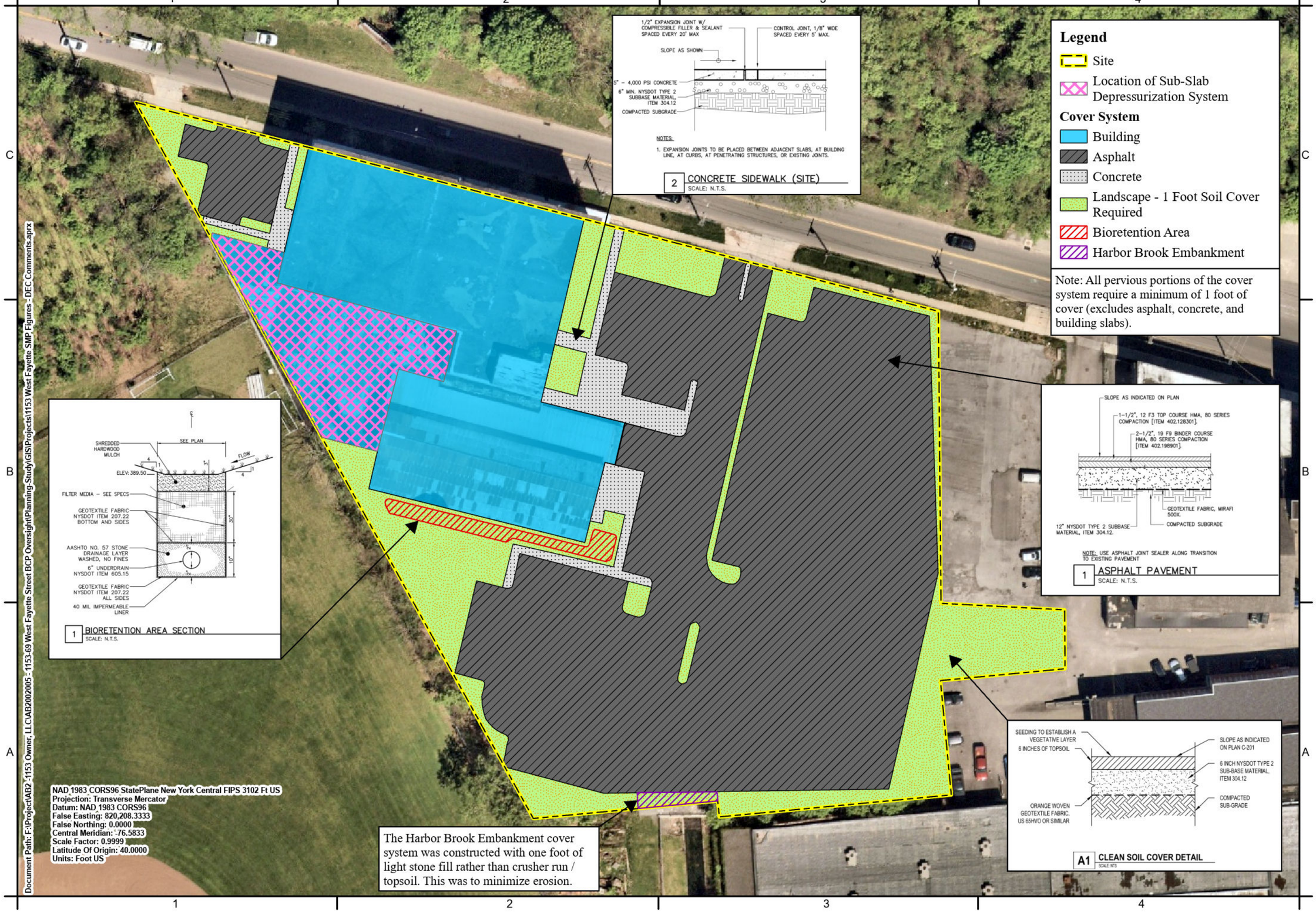
Site Management Plan
1153-69 West Fayette Street (BCP Site No. 734164)
City of Syracuse, Onondaga County, New York

PROJECT NO:	AB2.002.005
DATE:	March 2026
SCALE:	AS SHOWN
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DESIGNED BY:	CND
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Modified: 3/3/2026 @ 9:56 AM

TANK LOCATION MAP

FIGURE 10



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N

0 50 Feet

1 inch equals 50 feet

Site Management Plan
1153-69 West Fayette Street (BCP Site No. 734164)
City of Syracuse, Onondaga County, New York

PROJECT NO:	AB2.002.005
DATE:	March 2026
SCALE:	AS SHOWN
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DESIGNED BY:	CND
CHECKED BY:	HNB

Modified: 3/3/2026 @ 9:56 AM

ENGINEERING CONTROLS

FIGURE 11



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STATE OF NEW YORK · KEVIN BRADFORD · No. 086058 · PROFESSIONAL ENGINEER

Registration Expires: 04.31.2026

N

0 50 Feet

1 inch equals 50 feet

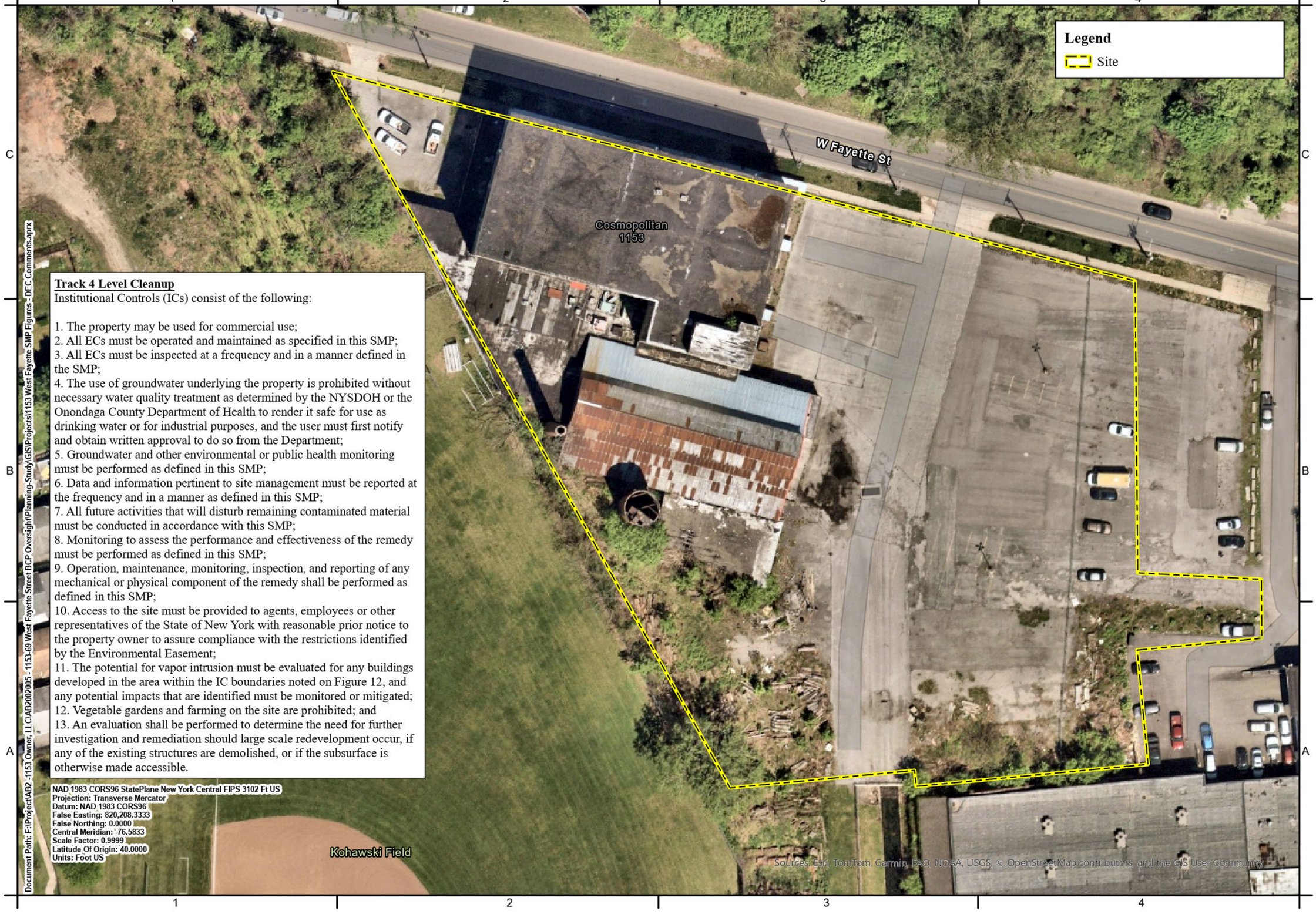
Site Management Plan
1153 -69 West Fayette Street (BCP Site No.C734164)
City of Syracuse, Onondaga County, New York

PROJECT NO:	AB2.002.005
DATE:	MARCH 2026
SCALE:	AS SHOWN
DRAWN BY:	N. COULOMBE
DESIGNED BY:	C. DEL FATTI
CHECKED BY:	N. BRADFORD P.E.

FINAL COVER SYSTEM AND EXCAVATION EXTENTS

Figure 12

Mar 04, 2026 - 9:11am
F:\Projects\AB2 - 1153 Owner, LLC\AB2002005 - 1153-69 West Fayette Street BCP Oversight\Planning-Study\CADD\Cover System\Sheet Files\Cover System and Excavation Survey Drawing.dwg



Track 4 Level Cleanup
Institutional Controls (ICs) consist of the following:

1. The property may be used for commercial use;
2. All ECs must be operated and maintained as specified in this SMP;
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Onondaga County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 12, and any potential impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited; and
13. An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible.

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Fax: 315-455-9667
www.cscos.com

N

0 50 Feet
1 inch equals 50 feet

Site Management Plan
1153-69 West Fayette Street (BCP Site No. 734164)
City of Syracuse, Onondaga County, New York

PROJECT NO:	AB2.002.005
DATE:	March 2026
SCALE:	AS SHOWN
DRAWN BY:	CND
DESIGNED BY:	CND
CHECKED BY:	HNB

Modified: 3/3/2026 @ 10:00 AM

INSTITUTIONAL CONTROLS

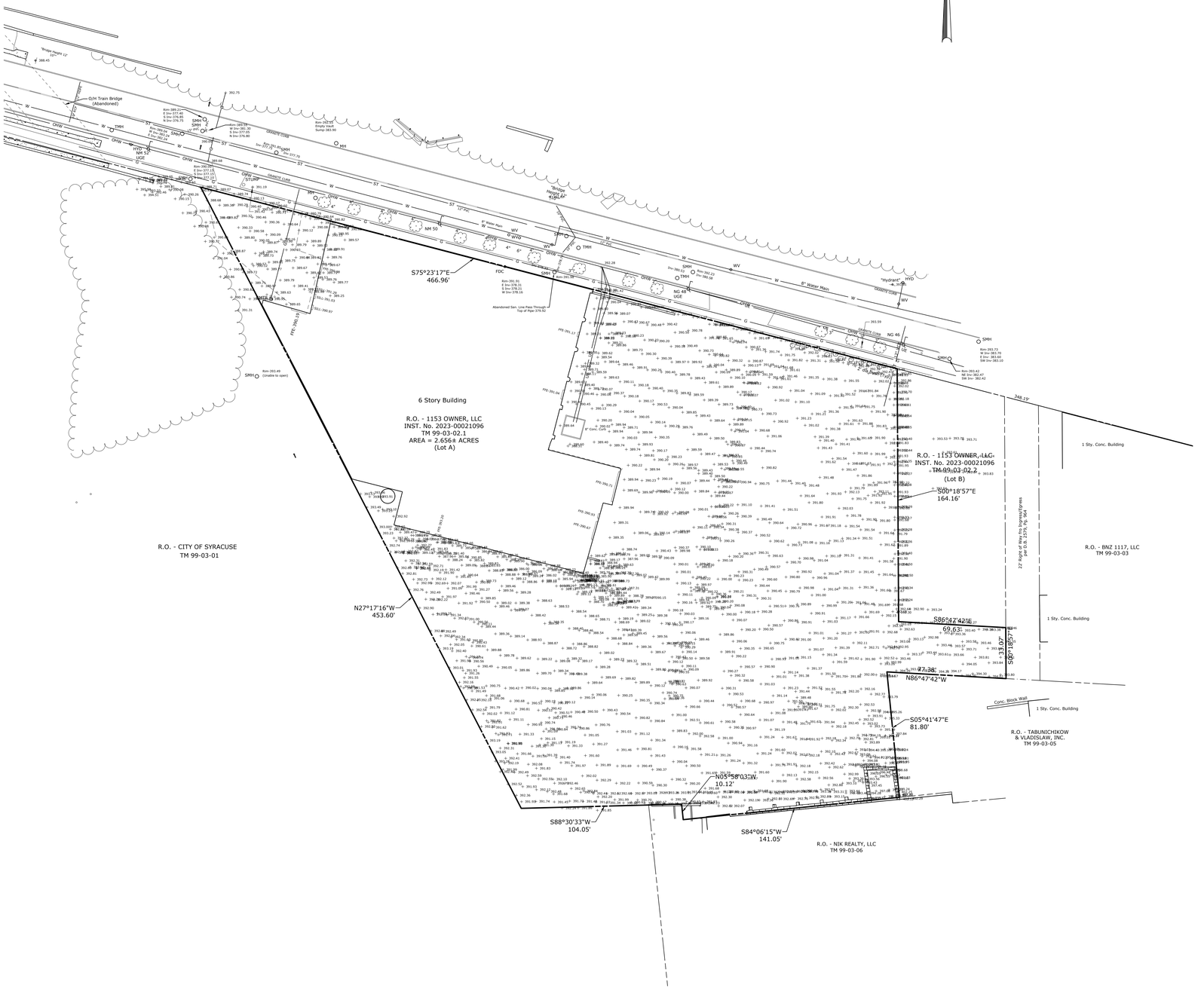
FIGURE 13

Surveys

XREFS: NONE

PROJECT NUMBER: 24.4032

CAD DWG. FILE NAME: K:\Projects\244032\Survey\Subgrade location\Subgrade_Record.dwg



MAP NOTES

1.) NORTH ORIENTATION IS BASED ON GRID NORTH FROM RTK GPS OBSERVATIONS. ROTATION TO TITLE BEARINGS IS COUNTER CLOCKWISE 0°12'03". (ie: S 75°35'20" E (TITLE) = S 75°23'17" (GRID))

2.) VERTICAL DATUM IS BASED ON NAVD 1988 DATUM FROM RTK GPS OBSERVATIONS.

3.) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.

4.) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, (AND PAROLE TESTIMONY). THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.

5.) SUBGRADE LOCATION PERFORMED BETWEEN JULY 28-SEPTEMBER 19, 2025.

6.) BASE MAPPING SHOWN PER ORIGINAL SURVEY PERFORMED BY C.T. MALE DATED 2/14/25.

MAP REFERENCES

1.) FINAL SUBDIVISION MAP PART OF FARM LOT 261 & 262 PREPARED BY MICHAEL J. McCULLY, P.L.S. DATED 03-25-23 AND FILED IN THE ONONDAGA COUNTY CLERK'S OFFICE ON AS MAP 13566.

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

ONLY COPIES OF THIS MAP SIGNED IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES. OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY.

DAVID M. SLISKI
P.L.S. NO. 050105

STATE OF NEW YORK · DAVID MICHAEL SLISKI · 050105 · LICENSED LAND SURVEYOR

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			

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C.T. MALE ASSOCIATES

APPROVED:
DRAFTED : TFS
CHECKED : DMS
PROJ. NO : 24.4032
SCALE : 1" = 30 FT.
DATE : OCT. 8, 2025

SUBGRADE RECORD LOCATION

FOR THE LANDS OF

1153 OWNER, LLC AND THE CITY OF SYRACUSE

1153 WEST FAYETTE STREET

PART OF FARM LOTS 261 & 262 PF THE LATE ONONDAGA SALT SPRINGS RESERVATION / LOT A - FM 13566

CITY OF SYRACUSE — ONONDAGA COUNTY, NEW YORK

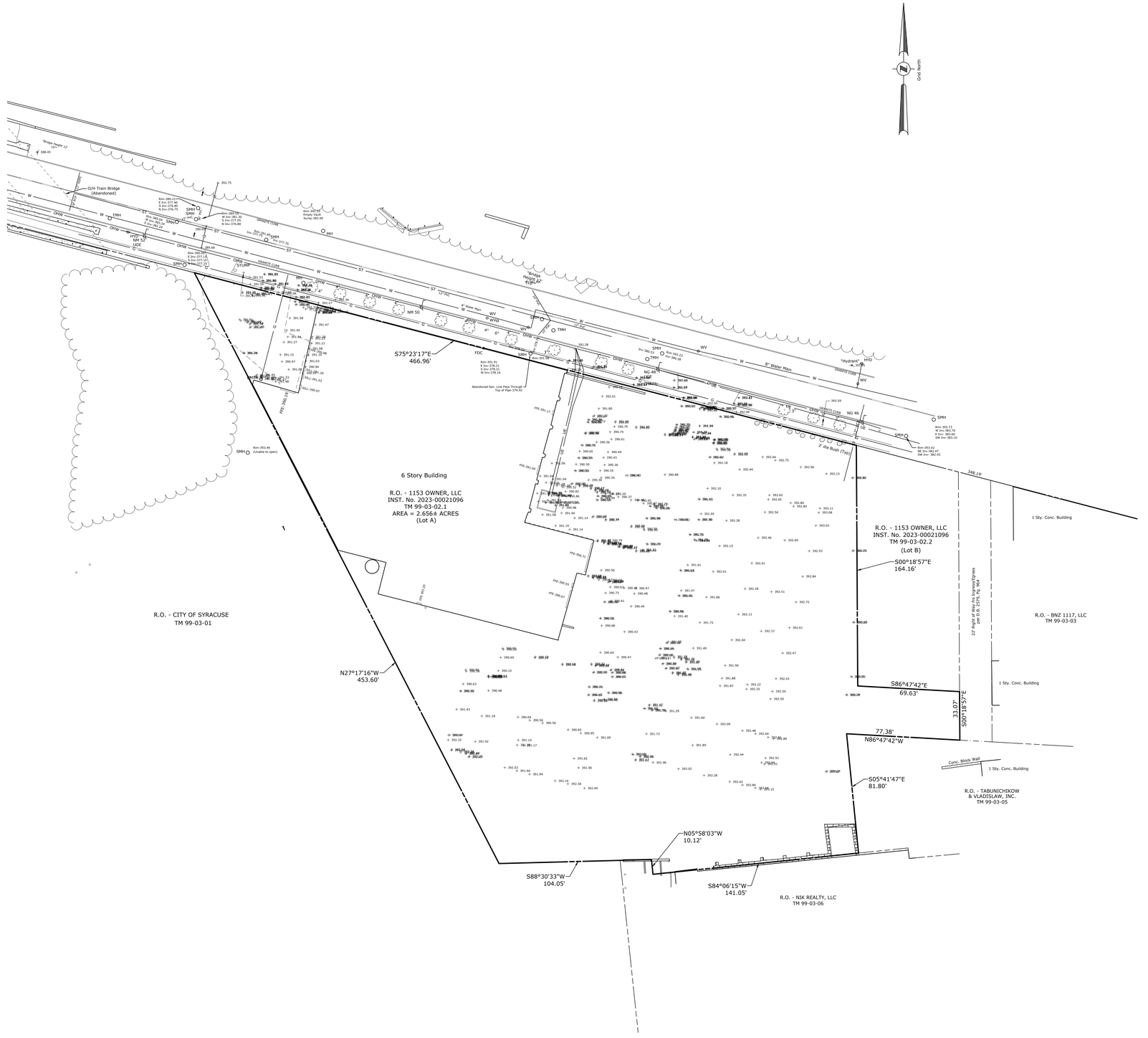
C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110 PH 518.786.7400
COBLESKILL, NY · GLENS FALLS, NY · POUGHKEEPSIE, NY
JOHNSTOWN, NY · RED HOOK, NY · SYRACUSE, NY
www.ctmale.com

SHEET 1 OF 1
DWG. NO:

XREFS: NONE

PROJECT NUMBER: 24.4032

CAD DWG. FILE NAME: Hard Surface.dwg



MAP NOTES

1.) NORTH ORIENTATION IS BASED ON GRID NORTH FROM RTK GPS OBSERVATIONS. ROTATION TO TITLE BEARINGS IS COUNTER CLOCKWISE 0°12'03". (ie: S 75°35'20" E (TITLE) = S 75°23'17" (GRID))

2.) VERTICAL DATUM IS BASED ON NAVD 1988 DATUM FROM RTK GPS OBSERVATIONS.

3.) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.

4.) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, (AND PAROLE TESTIMONY), THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.

5.) GREEN AREA SUBGRADE LOCATION PERFORMED ON SEPTEMBER 5, 2025.

6.) BASE MAPPING SHOWN PER ORIGINAL SURVEY PERFORMED BY C.T. MALE DATED 2/14/25.

MAP REFERENCES

1.) FINAL SUBDIVISION MAP PART OF FARM LOT 261 & 262 PREPARED BY MICHAEL J. McCULLY, P.L.S. DATED 03-25-23 AND FILED IN THE ONONDAGA COUNTY CLERK'S OFFICE ON AS MAP 13566.

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

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DAVID M. SLISKI
P.L.S. NO. 050105

STATE OF NEW YORK
DAVID MICHAEL SLISKI
050105
LICENSED LAND SURVEYOR

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
3/6/26	1	Added additional points	dwd	dms	dms
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				

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CHECKED : DMS
PROJ. NO : 24.4032
SCALE : 1" = 30 FT.
DATE : OCT. 8, 2025

HARD SURFACE RECORD LOCATION

FOR THE LANDS OF

1153 OWNER, LLC AND THE CITY OF SYRACUSE

1153 WEST FAYETTE STREET

PART OF FARM LOTS 261 & 262 PF THE LATE ONONDAGA SALT SPRINGS RESERVATION / LOT A - FM 13566

CITY OF SYRACUSE — ONONDAGA COUNTY, NEW YORK

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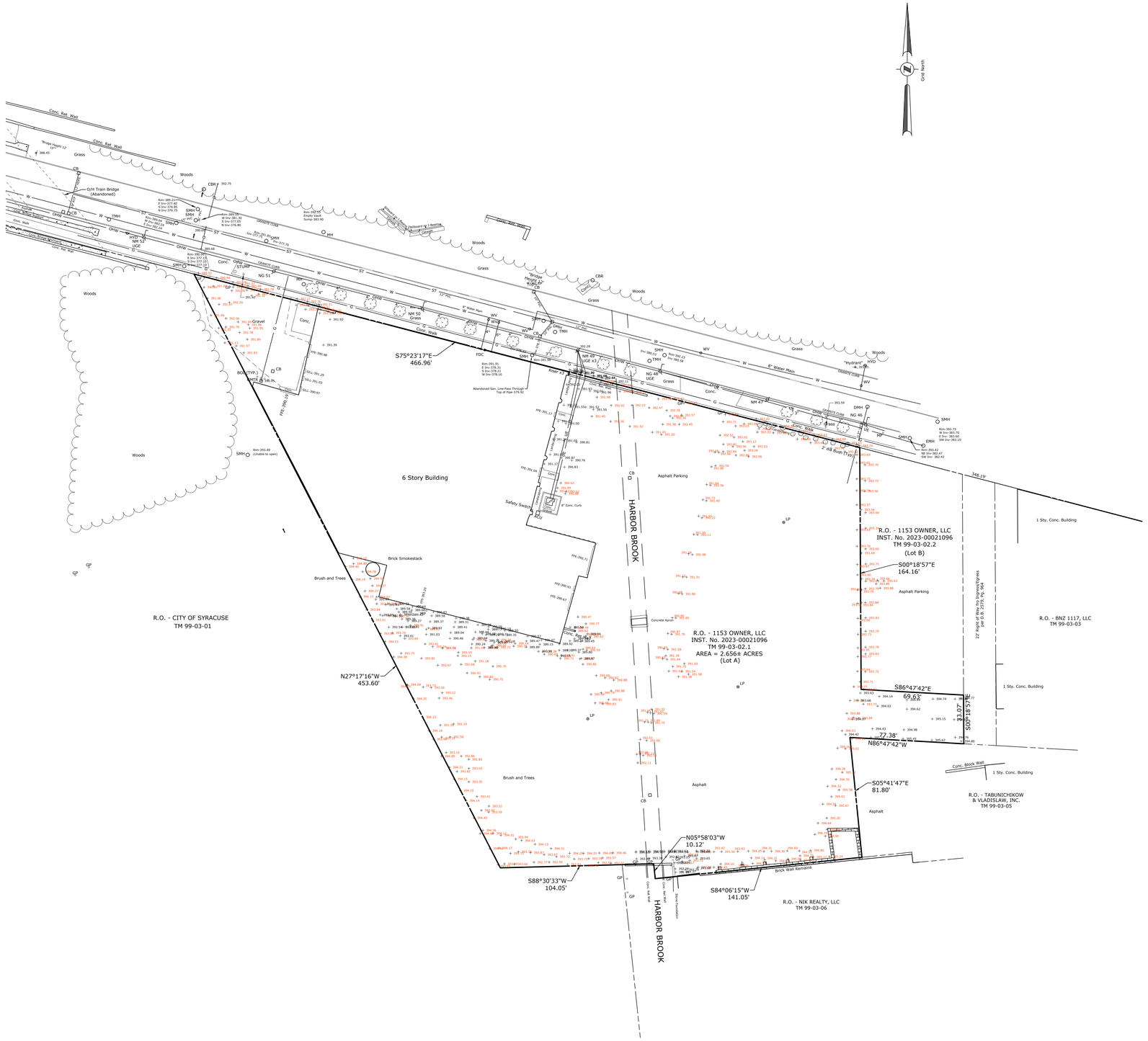
SHEET 1 OF 1

DWG. NO:

XREFS: NONE

PROJECT NUMBER: 24.4032

CAD DWG. FILE NAME: Top Soil_Record.dwg


Grid North
Conc. Ret. Wall
"Bridge Height 12'"
388.45
Grass
Woods
CB
O/H Train Bridge
(Abandoned)
CBR 392.75
SMH
Rim=389.21
E Inv=377.80
S Inv=377.65
N Inv=376.80
Rim=389.79
E Inv=377.65
S Inv=377.05
N Inv=376.80
Rim=392.55
Empty Vault
Sump=383.90
Concrete Curb
Rim=390.24
E Inv=377.41
S Inv=377.15
W Inv=377.01
Rim=389.68
E Inv=377.51
S Inv=377.26
W Inv=377.01
Rim=390.23
E Inv=377.76
S Inv=377.51
W Inv=377.26

Tables

Table 1
Site Management Plan
Chemical Analysis of Sampled Media

Lab Report Number	Sample ID	Date	Time	Matrix	Sample Type	Depth (ft)	Total Solids	TCL Volatile Organic Compounds + 10 TICs	TCL Semi Volatile Organic Compounds + 20 TICs	TCL Pesticides	Herbicides	TCL Polychlorinated Biphenyls	TAL Total Metals (incl. Mercury)	TAL Dissolved Metals (incl. Mercury)	Total Cyanide	Dissolved Cyanide	Total Hexavalent Chromium	Dissolved Hexavalent Chromium	Per- and Polyfluoroalkyl Substances	1,4-Dioxane	Total Petroleum Hydrocarbons	TO-15 / TO-15 SIM Volatile Organic Compounds	Carbon Tetrachloride	MS	MSD	DUP
L2469246	SS-102 0-2"	11/22/2024	11:30	SOIL	SS	0-2"	X	X	X	X	X	X	X		X		X		X	X						
	SS-102 6-12"	11/22/2024	11:45	SOIL	SS	6-12"	X	X	X	X	X	X	X		X		X		X	X						
	SS-104 0-2"	11/22/2024	12:15	SOIL	SS	0-2"	X	X	X	X	X	X	X		X		X		X	X						
	SS-104 6-12"	11/22/2024	12:45	SOIL	SS	6-12"	X	X	X	X	X	X	X		X		X		X	X						X
	SS-103 0-2"	11/22/2024	13:30	SOIL	SS	0-2"	X	X	X	X	X	X	X		X		X		X	X						
	SS-103 6-12"	11/22/2024	14:00	SOIL	SS	6-12"	X	X	X	X	X	X	X		X		X		X	X				X	X	
L2469590	SB-108 FILL	11/25/2024	09:50	SOIL	SB	0.5-8	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-108 NATIVE	11/25/2024	09:55	SOIL	SB	8-15	X	X	X	X	X	X	X		X		X		X	X						
	SB-107 FILL	11/25/2024	10:30	SOIL	SB	1-6	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-107 NATIVE	11/25/2024	10:50	SOIL	SB	8-10	X	X	X	X	X	X	X		X		X		X	X						
	SB-106A FILL	11/25/2024	11:00	SOIL	SB	1-5	X	X	X																	
	SB-106A NATIVE	11/25/2024	11:10	SOIL	SB	8-10	X	X	X																	
	SB-106 FILL	11/25/2024	11:25	SOIL	SB	1-6	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-106 NATIVE	11/25/2024	11:30	SOIL	SB	9-15	X	X	X	X	X	X	X		X		X		X	X						
	SB-106C FILL	11/25/2024	11:45	SOIL	SB	1-5	X	X	X																	
	SB-106C NATIVE	11/25/2024	11:50	SOIL	SB	10-12	X	X	X																	
	SB-106B FILL	11/25/2024	12:10	SOIL	SB	1-5	X	X	X																	
	SB-106B NATIVE	11/25/2024	12:15	SOIL	SB	10-12	X	X	X																	
	SB-105 FILL	11/25/2024	12:25	SOIL	SB	0-5	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-105 NATIVE	11/25/2024	12:30	SOIL	SB	10-15	X	X	X	X	X	X	X		X		X		X	X						
	SB-102 FILL	11/25/2024	13:10	SOIL	SB	3-8	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-102 NATIVE	11/25/2024	13:20	SOIL	SB	10-20	X	X	X	X	X	X	X		X		X		X	X						
	SB-103 FILL	11/25/2024	13:45	SOIL	SB	2-6	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-103 NATIVE	11/25/2024	13:35	SOIL	SB	8-14	X	X	X	X	X	X	X		X		X		X	X						
	SB-109 FILL	11/25/2024	13:55	SOIL	SB	1-5	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-109 NATIVE	11/25/2024	14:05	SOIL	SB	7-10	X	X	X	X	X	X	X		X		X		X	X						
	SB-110 FILL	11/25/2024	14:10	SOIL	SB	1-7	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-110 NATIVE	11/25/2024	14:30	SOIL	SB	15-20	X	X	X	X	X	X	X		X		X		X	X						X
	SB-114 FILL	11/25/2024	14:50	SOIL	SB	1-5	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-114 NATIVE	11/25/2024	14:55	SOIL	SB	12-20	X	X	X	X	X	X	X		X		X		X	X						
L2332896	SB-115 FILL	11/26/2024	08:05	SOIL	SB	3-8	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-115 NATIVE	11/26/2024	08:15	SOIL	SB	13-20	X	X	X	X	X	X	X		X		X		X	X				X	X	
	SB-113 FILL	11/26/2024	08:40	SOIL	SB	3-10	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-113 NATIVE	11/26/2024	09:10	SOIL	SB	10-15	X	X	X	X	X	X	X		X		X		X	X						
	SB-112 FILL	11/26/2024	09:30	SOIL	SB	2-10	X	X	X	X	X	X	X		X		X		X	X	X			X	X	
	SB-112 NATIVE	11/26/2024	09:35	SOIL	SB	11-14	X	X	X	X	X	X	X		X		X		X	X						
	SB-112A FILL	11/26/2024	10:10	SOIL	SB	6-8	X	X	X																	
	SB-112A NATIVE	11/26/2024	10:15	SOIL	SB	10-13	X	X	X																	
	SB-112B FILL	11/26/2024	10:35	SOIL	SB	7-9	X	X	X																	
	SB-112B NATIVE	11/26/2024	10:40	SOIL	SB	11-13	X	X	X																	
	SB-112C FILL	11/26/2024	11:05	SOIL	SB	7-9	X	X	X																	
	SB-112C NATIVE	11/26/2024	11:00	SOIL	SB	11-15	X	X	X																	
	SB-116 FILL	11/26/2024	11:25	SOIL	SB	4-7	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-116 NATIVE	11/26/2024	11:30	SOIL	SB	7-10	X	X	X	X	X	X	X		X		X		X	X						
	SB-104 FILL	11/26/2024	12:00	SOIL	SB	5-10	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-104 NATIVE	11/26/2024	12:05	SOIL	SB	15-20	X	X	X	X	X	X	X		X		X		X	X						
	SB-111 FILL	11/26/2024	12:30	SOIL	SB	2-8	X	X	X	X	X	X	X		X		X		X	X	X					X
	SB-111 NATIVE	11/26/2024	12:35	SOIL	SB	9-15	X	X	X	X	X	X	X		X		X		X	X						
	SB-117 FILL	11/26/2024	12:50	SOIL	SB	3-7	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-117 NATIVE	11/26/2024	12:55	SOIL	SB	12-15	X	X	X	X	X	X	X		X		X		X	X						
	SB-118 FILL	11/26/2024	13:15	SOIL	SB	1-5	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-118 NATIVE	11/26/2024	13:25	SOIL	SB	10-14	X	X	X	X	X	X	X		X		X		X	X						
	SB-101 FILL	11/26/2024	14:25	SOIL	SB	4-10	X	X	X	X	X	X	X		X		X		X	X	X					
	SB-101 NATIVE	11/26/2024	14:35	SOIL	SB	12-15	X	X	X	X	X	X	X		X		X		X	X						
L2470407	SS-105 0-2"	12/2/2024	09:30	SOIL	SS	0-2"	X	X	X	X	X	X	X		X		X		X	X						
	SS-105 6-12"	12/2/2024	09:45	SOIL	SS	6-12"	X	X	X	X	X	X	X		X		X		X	X						
	SS-106 0-2"	12/2/2024	10:00	SOIL	SS	0-2"	X	X	X	X	X	X	X		X		X		X	X						
	SS-106 6-12"	12/2/2024	10:15	SOIL	SS	6-12"	X	X	X	X	X	X	X		X		X		X	X						
	SS-101 0-2"	12/2/2024	11:15	SOIL	SS	0-2"	X	X	X	X	X	X	X		X		X		X	X						
	SS-101 6-12"	12/2/2024	11:30	SOIL	SS	6-12"	X	X	X	X	X	X	X		X		X		X	X						

Table 1
Site Management Plan
Chemical Analysis of Sampled Media

Lab Report Number	Sample ID	Date	Time	Matrix	Sample Type	Depth (ft)	Total Solids	TCL Volatile Organic Compounds + 10 TICs	TCL Semi Volatile Organic Compounds + 20 TICs	TCL Pesticides	Herbicides	TCL Polychlorinated Biphenyls	TAL Total Metals (incl. Mercury)	TAL Dissolved Metals (incl. Mercury)	Total Cyanide	Dissolved Cyanide	Total Hexavalent Chromium	Dissolved Hexavalent Chromium	Per- and Polyfluoroalkyl Substances	1,4-Dioxane	Total Petroleum Hydrocarbons	TO-15 / TO-15 SIM Volatile Organic Compounds	Carbon Tetrachloride	MS	MSD	DUP
L2471075	SSV-101	12/4/2024	09:00	SOIL VAPOR	SSV	8"																X				
	IA-101	12/4/2024	09:00	INDOOR AIR	IA	-																X				
	SSV-102	12/4/2024	09:10	SOIL VAPOR	SSV	8"																X				
	IA-102	12/4/2024	09:10	INDOOR AIR	IA	-																X				
	SSV-103	12/4/2024	09:20	SOIL VAPOR	SSV	8"																X				
	IA-103	12/4/2024	09:20	INDOOR AIR	IA	-																X				
	CS-104	12/4/2024	10:05	INDOOR AIR	CS	2																X				
	IA-104	12/4/2024	10:05	INDOOR AIR	IA	-																X				
	CS-105	12/4/2024	10:15	INDOOR AIR	CS	2																X				
	IA-105	12/4/2024	10:15	INDOOR AIR	IA	-																X				
	SV-101	12/4/2024	11:20	SOIL VAPOR	SV	5																X				
	SV-102	12/4/2024	11:40	SOIL VAPOR	SV	5																X				
	SV-103	12/4/2024	11:05	SOIL VAPOR	SV	5																X				
	SV-104	12/4/2024	11:50	SOIL VAPOR	SV	5																X				
	SV-105	12/4/2024	11:30	SOIL VAPOR	SV	5																X				
	SV-106	12/4/2024	10:55	SOIL VAPOR	SV	5																X				
	SV-107	12/4/2024	11:10	SOIL VAPOR	SV	5																X				
	OA-101	12/4/2024	11:55	OUTDOOR AIR	OA	-																X				
L2473175	MW-104 ROUND 1	12/12/2024	12:10	WATER	W	20		X	X	X	X	X	X	X	X	X	X	X	X	X						
	MW-102 ROUND 1	12/12/2024	14:11	WATER	W	20		X	X			X	X	X					X	X						
	EQUIPMENT BLANK	12/12/2024	13:45	WATER	W	-													X							
	TRIP BLANK	12/12/2024	-	WATER	W	-		X																		
L2473569	MW-106 ROUND 1	12/13/2024	08:25	WATER	W	20		X	X			X	X	X					X	X				X	X	X
	MW-103 ROUND 1	12/13/2024	10:40	WATER	W	20		X	X			X	X	X					X	X						
	MW-107 ROUND 1	12/13/2024	12:15	WATER	W	20		X	X			X	X	X					X	X						
	MW-105 ROUND 1	12/13/2024	13:08	WATER	W	20		X	X			X	X	X					X	X						
	MW-101 ROUND 1	12/13/2024	14:10	WATER	W	14		X	X			X	X	X					X	X						
	TRIP BLANK	12/13/2024	-	WATER	W	-		X																		
L2502298	SSV-103 RETEST	1/14/2025	12:15	SOIL VAPOR	SSV	8"																X				
L2507633	MW-105 ROUND 2	2/11/2025	12:45	WATER	W	20		X	X			X	X	X										X	X	X
	MW-104 ROUND 2	2/11/2025	14:20	WATER	W	20		X	X			X	X	X												
	MW-106 ROUND 2	2/11/2025	15:25	WATER	W	20		X	X			X	X	X												
	MW-102 ROUND 2	2/11/2025	16:15	WATER	W	20		X	X			X	X	X												
	TRIP BLANK	2/11/2025	-	WATER	W	-		X																		
L2507955	MW-107 ROUND 2	2/12/2025	13:30	WATER	W	20		X	X			X	X	X					X							
	MW-103 ROUND 2	2/12/2025	14:45	WATER	W	20		X	X	X	X	X	X	X	X	X	X									
	MW-101 ROUND 2	2/12/2025	16:20	WATER	W	14		X	X			X	X	X					X							
	EQUIPMENT BLANK	2/12/2025	-	WATER	W	-													X							
	TRIP BLANK	2/12/2025	-	WATER	W	-		X																		
ENV T02529	PSG-113	2/19/2025	8:20	SOIL VAPOR	SSV	3																X				
	PSG-114	2/19/2025	8:25	SOIL VAPOR	SSV	3																X				
	PSG-115	2/19/2025	8:30	SOIL VAPOR	SSV	3																X				
	PSG-109	2/19/2025	8:33	SOIL VAPOR	SSV	3																X				
	PSG-110	2/19/2025	8:36	SOIL VAPOR	SSV	3																X				
	PSG-111	2/19/2025	8:40	SOIL VAPOR	SSV	3																X				
	PSG-112	2/19/2025	8:45	SOIL VAPOR	SSV	3																X				
	PSG-106	2/19/2025	8:48	SOIL VAPOR	SSV	3																X				
	PSG-107	2/19/2025	8:52	SOIL VAPOR	SSV	3																X				
	PSG-104	2/19/2025	8:55	SOIL VAPOR	SSV	3																X				
	PSG-108	2/19/2025	8:58	SOIL VAPOR	SSV	3																X				
	PSG-105	2/19/2025	9:00	SOIL VAPOR	SSV	3																X				
	PSG-101	2/19/2025	9:03	SOIL VAPOR	SSV	3																X				
	PSG-102	2/19/2025	9:05	SOIL VAPOR	SSV	3																X				
	PSG-103	2/19/2025	9:08	SOIL VAPOR	SSV	3																X				
	TRIP BLANK	2/19/2025	-	SOIL VAPOR	SSV	3																X				
L2524797	B-1	4/22/2025	12:25	SOIL	ES	12	X	X	X																	
	B-2	4/22/2025	12:30	SOIL	ES	12	X	X	X																	
	B-3	4/22/2025	12:35	SOIL	ES	12	X	X	X																	
	W-1	4/22/2025	12:40	SOIL	ES	10	X	X	X																	
	W-2	4/22/2025	12:45	SOIL	ES	10	X	X	X																	
	W-3	4/22/2025	12:50	SOIL	ES	10	X	X	X																	X
	W-4	4/22/2025	12:55	SOIL	ES	10	X	X	X															X	X	
	EXCAVATION WATER	4/22/2025	13:15	WATER	W	12		X	X																	
	TRIP BLANK	4/22/2025	-	WATER	W	-		X	X																	

Table 1
Site Management Plan
Chemical Analysis of Sampled Media

Lab Report Number	Sample ID	Date	Time	Matrix	Sample Type	Depth (ft)	Total Solids	TCL Volatile Organic Compounds + 10 TICs	TCL Semi Volatile Organic Compounds + 20 TICs	TCL Pesticides	Herbicides	TCL Polychlorinated Biphenyls	TAL Total Metals (incl. Mercury)	TAL Dissolved Metals (incl. Mercury)	Total Cyanide	Dissolved Cyanide	Total Hexavalent Chromium	Dissolved Hexavalent Chromium	Per- and Polyfluoroalkyl Substances	1,4-Dioxane	Total Petroleum Hydrocarbons	TO-15 / TO-15 SIM Volatile Organic Compounds	Carbon Tetrachloride	MS	MSD	DUP
L2544000	SVE-101_071425	7/14/2025	11:55	SOIL VAPOR	SSV	3-8																X				
	SVE-102_071425	7/14/2025	13:10	SOIL VAPOR	SSV	3-8																X				
L2546085	SVE-101_072125	7/21/2025	9:25	SOIL VAPOR	SSV	3-8																X				
	SVE-102_072125	7/21/2025	10:44	SOIL VAPOR	SSV	3-8																X				
L2547116	SVE-101_072825	7/28/2025	9:26	SOIL VAPOR	SSV	3-8																X				
	SVE-102_072825	7/28/2025	10:36	SOIL VAPOR	SSV	3-8																X				

Notes:
- Pace Analytical performed the analysis for all lab reports with the exception of ENV T02529 which was performed by Amplified Geochemical Imaging, LLC (AGI).
- Sample type is surface soil (SS), soil boring (SB), excavation sample (ES), sub-slab vapor (SSV), indoor air (IA), crawl space air (CS), soil vapor (SV), or water (W).
- Grey shading indicates that the soil was removed during regrading / sitework.
- TCL = Target Compound List
- TICs = Tentatively Identified Compounds
- TAL = Target Analyte List
- SIM = Select Ion Monitoring
- MS = Matrix Spike
- MSD = Matrix Spike Duplicate
- DUP = Field Duplicate

Table 2
Site Management Plan
Surface Soil Data Summary

LOCATION				SS-101		SS-101		SS-102		SS-102		SS-103		SS-103		SS-104		SS-104		SS-105		SS-105		SS-106		SS-106		DUP-01 (SS-104)	
SAMPLING DATE				12/2/2024		12/2/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		12/2/2024		12/2/2024		12/2/2024		12/2/2024		11/22/2024	
LAB SAMPLE ID				L2470407-05		L2470407-06		L2469246-01		L2469246-02		L2469246-03		L2469246-04		L2469246-05		L2469246-06		L2470407-01		L2470407-02		L2470407-03		L2470407-04		L2469246-07	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (in.)				0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		6-12	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by EPA 5035																													
1,1,1-Trichloroethane	0.68	500	0.68	0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	U	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	U
1,1,2,2-Tetrachloroethane				0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	U	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	U
1,1,2-Trichloroethane				0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
1,1-Dichloroethane	0.27	240	0.27	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
1,1-Dichloroethene	0.33	500	0.33	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
1,2,4-Trichlorobenzene				0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	R	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	R
1,2-Dibromo-3-chloropropane				0.0039	U	0.0036	U	0.0052	U	0.0043	U	0.0062	U	0.0048	U	0.0046	U	0.0046	U	0.0054	U	0.0043	U	0.006	U	0.0051	U	0.0032	U
1,2-Dibromoethane				0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
1,2-Dichlorobenzene	1.1	500	1.1	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
1,2-Dichloroethane	0.02	30	0.02	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
1,2-Dichloropropane				0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	190	8.4	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	R	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	R
1,3-Dichlorobenzene	2.4	280	2.4	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
1,4-Dichlorobenzene	1.8	130	1.8	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
2-Butanone	0.12	500	0.12	0.013	U	0.012	U	0.017	U	0.014	U	0.021	U	0.016	U	0.015	U	0.015	U	0.018	U	0.014	U	0.02	U	0.017	U	0.011	U
2-Hexanone				0.013	U	0.012	U	0.017	U	0.014	U	0.021	U	0.016	U	0.015	U	0.015	U	0.018	U	0.014	U	0.02	U	0.017	U	0.011	U
4-Methyl-2-pentanone				0.013	U	0.012	U	0.017	U	0.014	U	0.021	U	0.016	U	0.015	U	0.015	U	0.018	U	0.014	U	0.02	U	0.017	U	0.011	U
Acetone	0.05	500	0.05	0.013	U	**0.017**		0.017	U	0.014	U	0.021	U	0.016	U	1.9	E	**0.04**		**0.016**	**J**	0.014	U	0.02	U	0.017	U	0.011	U
Benzene	0.06	44	0.06	0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	R	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	R
Bromodichloromethane				0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	U	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	U
Bromoform				0.0052	U	0.0048	U	0.007	U	0.0057	U	0.0083	U	0.0064	U	0.0061	U	0.0062	U	0.0072	U	0.0057	U	0.008	U	0.0068	U	0.0043	U
Bromomethane				0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
Carbon disulfide				0.013	U	0.012	U	0.017	U	0.014	U	0.021	U	0.016	U	0.015	U	0.015	U	0.018	U	0.014	U	0.02	U	0.017	U	0.011	U
Carbon tetrachloride	0.76	22	0.76	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
Chlorobenzene	1.1	500	1.1	0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	U	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	U
Chloroethane				0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
Chloroform	0.37	350	0.37	0.0019	U	0.0018	U	0.0026	U	0.0021	U	0.0031	U	0.0024	U	0.0023	U	0.0023	U	0.0027	U	0.0021	U	0.003	U	0.0026	U	0.0016	U
Chloromethane				0.0052	U	0.0048	U	0.007	U	0.0057	U	0.0083	U	0.0064	U	0.0061	U	0.0062	U	0.0072	U	0.0057	U	0.008	U	0.0068	U	0.0043	U
cis-1,2-Dichloroethene	0.25	500	0.25	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
cis-1,3-Dichloropropene				0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	U	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	U
Cyclohexane				0.013	U	0.012	U	0.017	U	0.014	U	0.021	U	0.016	U	0.015	U	0.015	R	0.018	U	0.014	U	0.02	U	0.017	U	0.011	R
Dibromochloromethane				0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
Dichlorodifluoromethane				0.013	U	0.012	U	0.017	U	0.014	U	0.021	U	0.016	U	0.015	U	0.015	U	0.018	U	0.014	U	0.02	U	0.017	U	0.011	U
Ethylbenzene	1	390	1	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	R	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	R
Freon-113				0.0052	U	0.0048	U	0.007	U	0.0057	U	0.0083	U	0.0064	U	0.0061	U	0.0062	U	0.0072	U	0.0057	U	0.008	U	0.0068	U	0.0043	U
Isopropylbenzene				0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	R	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	R
Methyl Acetate				0.0052	U	0.0048	U	0.007	U	0.0057	U	0.0083	U	0.0064	U	0.0061	U	0.0062	U	0.0072	U	0.0057	U	0.008	U	0.0068	U	0.0043	U
Methyl cyclohexane				0.0052	U	0.0048	U	0.007	U	0.0057	U	0.0083	U	0.0064	U	0.0061	U	0.0062	R	0.0072	U	0.0057	U	0.008	U	0.0068	U	0.0043	R
Methyl tert butyl ether	0.93	500	0.93	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
Methylene chloride	0.05	500	0.05	0.0065	U	0.0061	U	0.0087	U	0.0071	U	0.01	U	0.008	U	0.0077	U	0.0077	U	0.0089	U	0.0072	U	0.01	U	0.0085	U	0.0054	U
n-Butylbenzene	12	500	12	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
n-Propylbenzene	3.9	500	3.9	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
Naphthalene	12	500	12	0.0052	U	0.0048	U	0.007	U	0.0057	U	0.0083	U	0.0064	U	0.0061	U	0.0062	R	**0.0023**	**J**	0.0057	U	0.008	U	0.0068	U	0.0043	R
o-Xylene	0.26	500	1.6	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	R	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	R
p-Isopropyltoluene				0.0013	U	0.0012	U	**0.0023**		0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
p/m-Xylene	0.26	500	1.6	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	R	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	R
sec-Butylbenzene	11	500	11	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	R	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	R
Styrene				0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
tert-Butylbenzene	5.9	500	5.9	0.0026	U	0.0024	U	0.0035	U	0.0028	U	0.0042	U	0.0032	U	0.0031	U	0.0031	U	0.0036	U	0.0029	U	0.004	U	0.0034	U	0.0021	U
Tetrachloroethene	1.3	150	1.3	0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	U	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	U
Toluene	0.7	500	0.7	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	**0.0014**	**J**	0.0015	R	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	R
trans-1,2-Dichloroethene	0.19	500	0.19	0.0019	U	0.0018	U	0.0026	U	0.0021	U	0.0031	U	0.0024	U	0.0023	U	0.0023	U	0.0027	U	0.0021	U	0.003	U	0.0026	U	0.0016	U
trans-1,3-Dichloropropene				0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
Trichloroethene	0.47	200	0.47	0.00065	U	0.00061	U	0.00087	U	0.00071	U	0.001	U	0.0008	U	0.00077	U	0.00077	U	0.00089	U	0.00072	U	0.001	U	0.00085	U	0.00054	U
Trichlorofluoromethane				0.0052	U	0.0048	U	0.007	U	0.0057	U	0.0083	U	0.0064	U	0.0061	U	0.0062	U	0.0072	U	0.0057	U	0.008	U	0.0068	U	0.0043	U
Vinyl chloride	0.02	13	0.02	0.0013	U	0.0012	U	0.0017	U	0.0014	U	0.0021	U	0.0016	U	0.0015	U	0.0015	U	0.0018	U	0.0014	U	0.002	U	0.0017	U	0.0011	U
Total TIC Compounds				**0.0146**	**J**	**0.0143**	**J**	**1.19**	**J**	0	U	**0.112**	**J**	0	U	0	U	0	U	0	U	**0.00298**	**J**	0	U	0	U	0	U

Table 2
Site Management Plan
Surface Soil Data Summary

LOCATION				SS-101		SS-101		SS-102		SS-102		SS-103		SS-103		SS-104		SS-104		SS-105		SS-105		SS-106		SS-106		DUP-01 (SS-104)	
SAMPLING DATE				12/2/2024		12/2/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		12/2/2024		12/2/2024		12/2/2024		12/2/2024		11/22/2024	
LAB SAMPLE ID				L2470407-05		L2470407-06		L2469246-01		L2469246-02		L2469246-03		L2469246-04		L2469246-05		L2469246-06		L2470407-01		L2470407-02		L2470407-03		L2470407-04		L2469246-07	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (in.)				0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		6-12	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by EPA 5035 High																													
1,1,1-Trichloroethane	0.68	500	0.68	-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	0.022	U
1,1,2,2-Tetrachloroethane				-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	0.022	U
1,1,2-Trichloroethane				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
1,1-Dichloroethane	0.27	240	0.27	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
1,1-Dichloroethene	0.33	500	0.33	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
1,2,4-Trichlorobenzene				-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
1,2,4-Trimethylbenzene	3.6	190	3.6	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	**0.067**	R
1,2-Dibromo-3-chloropropane				-	-	-	-	-	-	-	-	-	-	-	-	0.17	U	-	-	-	-	-	-	-	-	-	-	0.13	U
1,2-Dibromoethane				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
1,2-Dichlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
1,2-Dichloroethane	0.02	30	0.02	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
1,2-Dichloropropane				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
1,3,5-Trimethylbenzene	8.4	190	8.4	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	**0.024**	R
1,3-Dichlorobenzene	2.4	280	2.4	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
1,4-Dichlorobenzene	1.8	130	1.8	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
2-Butanone	0.12	500	0.12	-	-	-	-	-	-	-	-	-	-	-	-	0.56	U	-	-	-	-	-	-	-	-	-	-	0.45	U
2-Hexanone				-	-	-	-	-	-	-	-	-	-	-	-	0.56	U	-	-	-	-	-	-	-	-	-	-	0.45	U
4-Methyl-2-pentanone				-	-	-	-	-	-	-	-	-	-	-	-	0.56	U	-	-	-	-	-	-	-	-	-	-	0.45	U
Acetone	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	4.1		-	-	-	-	-	-	-	-	-	-	0.45	U
Benzene	0.06	44	0.06	-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	**0.017**	R
Bromodichloromethane				-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	0.022	U
Bromoform				-	-	-	-	-	-	-	-	-	-	-	-	0.22	U	-	-	-	-	-	-	-	-	-	-	0.18	UJ
Bromomethane				-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
Carbon disulfide				-	-	-	-	-	-	-	-	-	-	-	-	0.56	U	-	-	-	-	-	-	-	-	-	-	0.45	U
Carbon tetrachloride	0.76	22	0.76	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
Chlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	0.022	U
Chloroethane				-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
Chloroform	0.37	350	0.37	-	-	-	-	-	-	-	-	-	-	-	-	0.083	U	-	-	-	-	-	-	-	-	-	-	0.067	U
Chloromethane				-	-	-	-	-	-	-	-	-	-	-	-	0.22	U	-	-	-	-	-	-	-	-	-	-	0.18	U
cis-1,2-Dichloroethene	0.25	500	0.25	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
cis-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	0.022	U
Cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	0.56	U	-	-	-	-	-	-	-	-	-	-	**0.075**	R
Dibromochloromethane				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
Dichlorodifluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	0.56	U	-	-	-	-	-	-	-	-	-	-	0.45	U
Ethylbenzene	1	390	1	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	**0.022**	R
Freon-113				-	-	-	-	-	-	-	-	-	-	-	-	0.22	U	-	-	-	-	-	-	-	-	-	-	0.18	U
Isopropylbenzene				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	**0.0087**	R
Methyl Acetate				-	-	-	-	-	-	-	-	-	-	-	-	**0.54**		-	-	-	-	-	-	-	-	-	-	0.18	U
Methyl cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	**0.091**	J	-	-	-	-	-	-	-	-	-	-	**0.21**	R
Methyl tert butyl ether	0.93	500	0.93	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
Methylene chloride	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	0.28	U	-	-	-	-	-	-	-	-	-	-	0.22	U
n-Butylbenzene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
n-Propylbenzene	3.9	500	3.9	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
Naphthalene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	**0.14**	J	-	-	-	-	-	-	-	-	-	-	**0.75**	R
o-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	**0.016**	J	-	-	-	-	-	-	-	-	-	-	**0.068**	R
p-Isopropyltoluene				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
p/m-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	**0.12**	R
sec-Butylbenzene	11	500	11	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	**0.0072**	R
Styrene				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
tert-Butylbenzene	5.9	500	5.9	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-	-	-	-	-	-	-	-	-	0.089	U
Tetrachloroethene	1.3	150	1.3	-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	0.022	U
Toluene	0.7	500	0.7	-	-	-	-	-	-	-	-	-	-	-	-	**0.082**		-	-	-	-	-	-	-	-	-	-	**0.12**	R
trans-1,2-Dichloroethene	0.19	500	0.19	-	-	-	-	-	-	-	-	-	-	-	-	0.083	U	-	-	-	-	-	-	-	-	-	-	0.067	U
trans-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
Trichloroethene	0.47	200	0.47	-	-	-	-	-	-	-	-	-	-	-	-	0.028	U	-	-	-	-	-	-	-	-	-	-	0.022	U
Trichlorofluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	0.22	U	-	-	-	-	-	-	-	-	-	-	0.18	U
Vinyl chloride	0.02	13	0.02	-	-	-	-	-	-	-	-	-	-	-	-	0.056	U	-	-	-	-	-	-	-	-	-	-	0.045	U
Total TIC Compounds				-	-	-	-	-	-	-	-	-	-	-	-	0	U	-	-	-	-	-	-	-	-	-	-	**0.17**	J

Table 2
Site Management Plan
Surface Soil Data Summary

LOCATION				SS-101		SS-101		SS-102		SS-102		SS-103		SS-103		SS-104		SS-104		SS-105		SS-105		SS-106		SS-106		DUP-01 (SS-104)	
SAMPLING DATE				12/2/2024		12/2/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		12/2/2024		12/2/2024		12/2/2024		12/2/2024		11/22/2024	
LAB SAMPLE ID				L2470407-05		L2470407-06		L2469246-01		L2469246-02		L2469246-03		L2469246-04		L2469246-05		L2469246-06		L2470407-01		L2470407-02		L2470407-03		L2470407-04		L2469246-07	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (in.)				0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		6-12	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Semivolatile Organics by GC/MS																													
1,2,4,5-Tetrachlorobenzene				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
1,4-Dioxane	0.1	130	0.1	0.028	U	0.028	U	0.33	U	0.3	U	0.033	U	0.032	U	0.3	U	0.031	U	0.29	U	0.29	U	0.15	U	0.28	U	0.029	U
2,3,4,6-Tetrachlorophenol				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
2,4,5-Trichlorophenol				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
2,4,6-Trichlorophenol				0.11	U	0.11	U	1.3	U	1.2	U	0.13	U	0.13	U	1.2	U	0.12	U	1.2	U	1.2	U	0.61	U	1.1	U	0.12	U
2,4-Dichlorophenol				0.16	U	0.16	U	2	U	1.8	U	0.2	U	0.19	U	1.8	U	0.18	U	1.7	U	1.7	U	0.91	U	1.7	U	0.17	U
2,4-Dimethylphenol				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	**0.12**	**J**	1.9	U	1.9	U	1	U	1.9	U	**0.13**	**J**
2,4-Dinitrophenol				0.88	U	0.88	U	10	U	9.7	U	1	U	1	U	9.6	U	0.99	U	9.3	U	9.3	U	4.9	U	9	U	0.92	U
2,4-Dinitrotoluene				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
2,6-Dinitrotoluene				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
2-Chloronaphthalene				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
2-Chlorophenol				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
2-Methylnaphthalene				**0.048**	**J**	**0.022**	**J**	2.6	U	2.4	U	**1**		**0.46**		**2.2**	**J**	**5.8**		**2.3**		**1.7**	**J**	**4.3**		**3.5**		**5.5**	
2-Methylphenol	0.33	500	0.33	0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	**0.11**	**J**	1.9	U	1.9	U	1	U	1.9	U	**0.14**	**J**
2-Nitroaniline				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
2-Nitrophenol				0.4	U	0.4	U	4.8	U	4.4	U	0.48	U	0.46	U	4.3	U	0.44	U	4.2	U	4.2	U	2.2	U	4.1	U	0.42	U
3,3'-Dichlorobenzidine				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	R	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	0.26	U	0.26	U	3.2	U	2.9	U	**0.096**	**J**	**0.036**	**J**	2.9	U	**0.33**		2.8	U	**0.3**	**J**	**0.54**	**J**	**1.2**	**J**	**0.46**	
3-Nitroaniline				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
4,6-Dinitro-o-cresol				0.48	U	0.48	U	5.7	U	5.2	U	0.57	U	0.56	U	5.2	U	0.54	U	5	U	5	U	2.6	U	4.9	U	0.5	U
4-Bromophenyl phenyl ether				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
4-Chloroaniline				0.18	U	0.18	U	2.2	UJ	2	UJ	0.22	UJ	0.21	R	2	UJ	0.21	UJ	1.9	U	1.9	U	1	U	1.9	U	0.19	UJ
4-Chlorophenyl phenyl ether				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
4-Nitroaniline				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
4-Nitrophenol				0.26	U	0.26	U	3.1	U	2.8	U	0.31	U	0.3	U	2.8	U	0.29	U	2.7	U	2.7	U	1.4	U	2.6	U	0.27	U
Acenaphthene	20	500	98	**0.029**	**J**	**0.03**	**J**	1.8	U	1.6	U	**2.8**		**0.052**	**J**	**7.2**		**0.63**		**4**		**1.1**	**J**	**16**		**9.4**		**0.6**	
Acenaphthylene	100	500	107	**0.16**		**0.072**	**J**	1.8	U	1.6	U	**0.58**		**0.46**		**4.3**		**9.4**	J	**3.7**		**13**		**2.6**		**4**		**16**	J
Acetophenone				0.18	U	0.18	U	2.2	U	2	U	**0.069**	**J**	**0.1**	**J**	2	U	**1.3**		**0.31**	**J**	**0.67**	**J**	**0.14**	**J**	1.9	U	**1.4**	
Anthracene	100	500	1000	**0.16**		**0.12**		1.3	U	1.2	U	**6**		**0.32**		**21**		**5.9**		**10**		**5.4**		**22**		**17**		**7.4**	
Atrazine				0.15	U	0.15	U	1.8	U	1.6	U	0.18	U	0.17	U	1.6	U	0.16	U	1.5	U	1.5	U	0.81	U	1.5	U	0.15	U
Benzaldehyde				0.24	U	0.24	U	2.9	U	2.7	U	0.29	U	0.28	U	2.6	U	0.27	U	2.6	U	**0.65**	**J**	1.3	U	2.5	U	0.25	U
Benzo(a)anthracene	1	5.6	1	**0.66**		**0.5**		**1.1**	**J**	**1.3**		**14**		**1.5**		**52**		**6**		**26**		**9.4**		**99**		**41**		**6.3**	
Benzo(a)pyrene	1	1	22	**0.79**		**0.53**		**1.2**	**J**	**1.4**	**J**	**12**		**1.4**		**50**		**9.2**	**E**	**23**		**10**		**75**		**33**		**9.6**	
Benzo(b)fluoranthene	1	5.6	1.7	**1.2**		**0.7**		**1.8**		**1.8**		**17**		**1.9**	J	**65**		**11**		**29**		**12**		**100**		**44**		**13**	
Benzo(ghi)perylene	100	500	1000	**0.62**		**0.41**		**1.1**	**J**	**1.1**	**J**	**8.6**		**0.87**		**30**		**7.4**	J	**17**		**9.4**		**31**		**22**		**11**	J
Benzo(k)fluoranthene	0.8	56	1.7	**0.33**		**0.24**		**0.55**	**J**	**0.64**	**J**	**2.5**		**0.58**		**18**		**1.9**		**12**		**4.5**		**38**		**16**		**1.6**	
Biphenyl				0.42	U	0.42	U	5	U	4.6	U	**0.27**	**J**	**0.06**	**J**	**0.45**	**J**	**0.66**		**0.42**	**J**	**0.26**	**J**	**1.2**	**J**	**0.9**	**J**	**0.64**	
Bis(2-chloroethoxy)methane				0.2	U	0.2	U	2.4	U	2.2	U	0.24	U	0.23	U	2.2	U	0.22	U	2.1	U	2.1	U	1.1	U	2	U	0.21	U
Bis(2-chloroethyl)ether				0.16	U	0.16	U	2	U	1.8	U	0.2	U	0.19	U	1.8	U	0.18	U	1.7	U	1.7	U	0.91	U	1.7	U	0.17	U
Bis(2-chloroisopropyl)ether				0.22	U	0.22	U	2.6	U	2.4	U	0.26	U	0.26	U	2.4	U	0.25	U	2.3	U	2.3	U	1.2	U	2.2	U	0.23	U
Bis(2-ethylhexyl)phthalate				0.18	U	0.18	U	2.2	U	**11**		0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Butyl benzyl phthalate				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Caprolactam				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Carbazole				**0.076**	**J**	**0.06**	**J**	2.2	U	2	U	**3.2**		**0.085**	**J**	**8.5**		**0.78**		**5.8**		**1.3**	**J**	**15**		**11**		**0.82**	
Chrysene	1	56	1	**0.75**		**0.53**		**1.3**		**1.4**		**13**		**1.4**		**52**		**6.4**		**27**		**9.5**		**100**		**41**		**6**	
Di-n-butylphthalate				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Di-n-octylphthalate				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	**0.13**		**0.092**	**J**	1.3	U	**0.3**	**J**	**1.4**		**0.23**		**6.9**		**1.9**		**4**		**2.3**		**7.6**		**5.6**		**1.8**	
Dibenzofuran	7	350	210	**0.029**	**J**	**0.021**	**J**	2.2	U	2	U	**1.9**		**0.15**	**J**	**3.8**		**1.2**		**2.6**		**0.79**	**J**	**8.9**		**5.9**		**0.96**	
Diethyl phthalate				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Dimethyl phthalate				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Fluoranthene	100	500	1000	**1.1**		**0.9**		**1.9**		**2.2**		**32**		**2**		**140**		**7.7**		**43**		**13**		**190**		**65**		**6.3**	
Fluorene	30	500	386	**0.037**	**J**	**0.032**	**J**	2.2	U	2	U	**2.9**		**0.087**	**J**	**7.2**		**1.3**		**3.7**		**1.8**	**J**	**13**		**8.5**		**1.6**	
Hexachlorobenzene	0.33	6	3.2	0.11	U	0.11	U	1.3	U	1.2	U	0.13	U	0.13	U	1.2	U	0.12	U	1.2	U	1.2	U	0.61	U	1.1	U	0.12	U
Hexachlorobutadiene				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Hexachlorocyclopentadiene				0.53	U	0.52	U	6.3	U	5.8	U	0.63	UJ	0.61	UJ	5.7	UJ	0.59	UJ	5.5	U	5.5	U	2.9	U	5.4	U	0.55	U
Hexachloroethane				0.15	U	0.15	U	1.8	U	1.6	U	0.18	U	0.17	U	1.6	U	0.16	U	1.5	U	1.5	U	0.81	U	1.5	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	**0.56**		**0.38**		**0.85**	**J**	**0.96**	**J**	**8.2**		**0.92**		**29**		**7.6**		**16**		**7.9**		**30**		**22**		**8.7**	
Isophorone				0.16	U	0.16	U	2	U	1.8	U	0.2	U	0.19	U	1.8	U	0.18	U	1.7	U	1.7	U	0.91	U	1.7	U	0.17	U
n-Nitrosodi-n-propylamine				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Naphthalene	12	500	12	**0.064**	**J**	**0.04**	**J**	2.2	U	2	U	**1.9**		**0.45**		**2.7**		**9**		**3.2**		**2.5**		**7.6**		**5.4**		**12**	
NDPA/DPA				0.15	U	0.15	U	1.8	U	1.6	U	0.18	U	0.17	U	1.6	U	0.16	U	1.5	U	1.5	U	0.81	U	1.5	U	0.15	U
Nitrobenzene				0.16	U	0.16	U	2	U	1.8	U	0.2	U	0.19	U	1.8	U	0.18	U	1.7	U	1.7	U	0.91	U	1.7	U	0.17	U
p-Chloro-m-cresol				0.18	U	0.18	U	2.2	U	2	U	0.22	U	0.21	U	2	U	0.21	U	1.9	U	1.9	U	1	U	1.9	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.15	U	1.8	U	1.6	U	0.18	U	0.17	U	1.6	U	0.16	U	1.5	U	1.5	U	0.81	U	1.5	U	0.15	U
Phenanthrene	100	500	1000	**0.46**		**0.47**		**0.75**	**J**	**1.1**	**J**	**24**		**1**		**66**		**5.9**		**36**		**8.5**		**160**		**57**		**4.7**	
Phenol	0.33	500	0.33	0.18	U	0.18	U	2.2	U	2	U	**0.06**	**J**	0.21	U	2	U	**0.25**		1.9	U	1.9	U	**0.18**	**J**	1.9	U	**0.34**	
Pyrene	100	500	1000	**0.94**		**0.78**		**1.7**		**1.9**		**25**		**1.8**		**75**		**8**		**36**		**13**		**150**		**55**		**7.6**	
Total TIC Compounds				**0.902**	**J**	**0.563**	**J**	0	U	0	U	**48.4**	**J**	**6.73**	**J**	**185**	**J**	**30.5**	**J**	**102**	**J**	**56.6**	**J**	**196**	**J**	**168**	**J**	**34.9**	**J**
Polychlorinated Biphenyls by GC																													

Table 2
Site Management Plan
Surface Soil Data Summary

LOCATION				SS-101		SS-101		SS-102		SS-102		SS-103		SS-103		SS-104		SS-104		SS-105		SS-105		SS-106		SS-106		DUP-01 (SS-104)	
SAMPLING DATE				12/2/2024		12/2/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		12/2/2024		12/2/2024		12/2/2024		12/2/2024		11/22/2024	
LAB SAMPLE ID				L2470407-05		L2470407-06		L2469246-01		L2469246-02		L2469246-03		L2469246-04		L2469246-05		L2469246-06		L2470407-01		L2470407-02		L2470407-03		L2470407-04		L2469246-07	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (in.)				0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		6-12	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Aroclor 1016	0.1	1	3.2	0.0538	U	0.0523	U	0.0642	U	0.0594	U	0.065	U	0.0647	U	0.0602	U	0.0623	U	0.0585	U	0.0543	U	0.0612	U	0.0554	U	0.0546	U
Aroclor 1221	0.1	1	3.2	0.0538	U	0.0523	U	0.0642	U	0.0594	U	0.065	U	0.0647	U	0.0602	U	0.0623	U	0.0585	U	0.0543	U	0.0612	U	0.0554	U	0.0546	U
Aroclor 1232	0.1	1	3.2	0.0538	U	0.0523	U	0.0642	U	0.0594	U	0.065	U	0.0647	U	0.0602	U	0.0623	U	0.0585	U	0.0543	U	0.0612	U	0.0554	U	0.0546	U
Aroclor 1242	0.1	1	3.2	0.0538	U	0.0523	U	0.0642	U	0.0594	U	0.065	U	0.0647	U	0.0602	U	0.0623	U	0.0585	U	0.0543	U	0.0612	U	0.0554	U	0.0546	U
Aroclor 1248	0.1	1	3.2	0.0538	U	0.0523	U	0.0642	U	0.0594	U	0.065	U	0.0647	U	0.0602	U	0.0623	U	0.0585	U	0.0543	U	0.0612	U	0.0554	U	0.0546	U
Aroclor 1254	0.1	1	3.2	0.0538	U	0.0523	U	0.0642	U	0.0594	U	0.065	U	0.0647	U	0.0602	U	0.0623	U	0.0585	U	0.0543	U	0.0612	U	0.0554	U	0.0546	U
Aroclor 1260	0.1	1	3.2	**0.027**	**J**	**0.0175**	**J**	**0.0586**	**J**	**0.0628**		**0.244**		**0.198**	**J**	**0.241**		**0.271**		**0.347**		**0.0714**		**0.151**		**0.133**		**0.255**	
Aroclor 1262	0.1	1	3.2	0.0538	U	0.0523	U	0.0642	U	0.0594	U	0.065	U	0.0647	U	0.0602	U	0.0623	U	0.0585	U	0.0543	U	0.0612	U	0.0554	U	0.0546	U
Aroclor 1268	0.1	1	3.2	**0.0221**	**J**	**0.0126**	**J**	**0.0288**	**J**	**0.0308**	**J**	0.065	U	0.0647	U	**0.225**		0.0623	U	**0.366**		**0.0677**		**0.147**		**0.126**		0.0546	U
PCBs, Total	0.1	1	3.2	**0.0491**	**J**	**0.0301**	**J**	**0.0874**	**J**	**0.0936**	**J**	**0.244**		**0.198**		**0.466**		**0.271**		**0.713**		**0.139**		**0.298**		**0.259**		**0.255**	
Chlorinated Herbicides by GC																													
2,4,5-T				0.187	U	0.184	U	0.218	U	0.201	U	0.225	U	0.214	U	0.203	U	0.206	U	0.192	U	0.192	U	0.207	U	0.187	U	0.188	U
2,4,5-TP (Silvex)	3.8	500	3.8	0.187	U	0.184	U	0.218	U	0.201	U	0.225	U	0.214	U	0.203	U	0.206	U	0.192	U	0.192	U	0.207	U	0.187	U	0.188	U
2,4-D				0.187	U	0.184	U	0.218	U	0.201	U	0.225	U	0.214	U	0.203	U	0.206	U	0.192	U	0.192	U	0.207	U	0.187	U	0.188	U
Organochlorine Pesticides by GC																													
4,4'-DDD	0.0033	92	14	0.0018	U	0.00179	U	0.00211	U	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
4,4'-DDE	0.0033	62	17	0.0018	U	0.00179	U	**0.00102**	**J**	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
4,4'-DDT	0.0033	47	136	0.0018	U	0.00179	U	**0.0176**	**J**	0.00184	U	0.00749	U	**0.00262**	**NJ**	0.00184	U	0.00196	U	**0.0325**		**0.00795**	**J**	0.00193	U	0.00177	U	0.00184	U
Aldrin	0.005	0.68	0.19	0.0018	U	0.00179	U	0.00211	U	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
Alpha-BHC	0.02	3.4	0.02	0.000748	U	0.000744	U	0.000879	U	0.000765	U	0.000874	U	0.000825	U	0.000767	U	0.000818	U	0.000753	U	0.000762	U	0.000804	U	0.000739	U	0.000767	U
Beta-BHC	0.036	3	0.09	0.0018	U	0.00179	U	0.00211	U	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
Chlordane				0.015	U	0.0149	U	0.0176	U	0.0153	U	0.0175	U	0.0165	U	0.0153	U	0.0164	U	0.015	U	0.0152	U	0.0161	U	0.0148	U	0.0153	U
cis-Chlordane	0.094	24	2.9	0.00224	U	0.00223	U	0.00264	U	0.00229	U	0.00262	U	0.00248	U	0.0023	U	0.00245	U	0.00226	U	0.00229	U	0.00241	U	0.00222	U	0.0023	U
Delta-BHC	0.04	500	0.25	0.0018	U	0.00179	U	0.00211	U	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
Dieldrin	0.005	1.4	0.1	0.00112	U	0.00112	U	0.00132	U	0.00115	U	0.00131	U	0.00124	U	0.00115	U	0.00123	U	0.00113	U	0.00114	U	0.0012	U	0.00111	U	0.00115	U
Endosulfan I	2.4	200	102	0.0018	U	0.00179	U	0.00211	U	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
Endosulfan II	2.4	200	102	0.0018	U	0.00179	U	0.00211	U	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
Endosulfan sulfate	2.4	200	1000	0.000748	U	0.000744	U	0.000879	U	0.000765	U	0.000874	U	0.000825	U	0.000767	U	0.000818	U	0.000753	U	0.000762	U	0.000804	U	0.000739	U	0.000767	U
Endrin	0.014	89	0.06	0.000748	U	0.000744	U	0.000879	U	0.000765	U	0.000874	U	0.000825	U	0.000767	U	0.000818	U	0.000753	U	0.000762	U	0.000804	U	0.000739	U	0.000767	U
Endrin aldehyde				0.00224	U	0.00223	U	0.00264	U	0.00229	U	0.00262	U	0.00248	U	0.0023	U	0.00245	U	0.00226	U	0.00229	U	0.00241	U	0.00222	U	0.0023	U
Endrin ketone				0.0018	U	0.00179	U	0.00211	U	0.00184	U	0.0021	U	0.00198	U	0.00184	U	0.00196	U	0.00181	U	0.00183	U	0.00193	U	0.00177	U	0.00184	U
Heptachlor	0.042	15	0.38	0.000898	U	0.000893	U	0.00105	U	0.000918	U	0.00105	U	0.00099	U	0.00092	U	0.000981	U	0.000903	U	0.000914	U	0.000965	U	0.000887	U	0.00092	U
Heptachlor epoxide				0.00337	U	0.00335	U	0.00396	U	0.00344	U	0.00393	U	0.00371	U	0.00345	U	0.00368	U	0.00339	U	0.00343	U	0.00362	U	0.00332	U	0.00345	U
Lindane	0.1	9.2	0.1	0.000748	U	0.000744	U	0.000879	U	0.000765	U	0.000874	U	0.000825	U	0.000767	U	0.000818	U	0.000753	U	0.000762	U	0.000804	U	0.000739	U	0.000767	U
Methoxychlor				0.00337	U	0.00335	U	0.00396	U	0.00344	U	0.00393	U	0.00371	U	0.00345	U	0.00368	U	0.00339	U	0.00343	U	0.00362	U	0.00332	U	0.00345	U
Toxaphene				0.0337	U	0.0335	U	0.0396	U	0.0344	U	0.0393	U	0.0371	U	0.0345	U	0.0368	U	0.0339	U	0.0343	U	0.0362	U	0.0332	U	0.0345	U
trans-Chlordane				0.00224	U	0.00223	U	0.00264	U	0.00229	U	0.00262	U	0.00248	U	0.0023	U	0.00245	U	0.00226	U	0.00229	U	0.00241	U	0.00222	U	0.0023	U
Total Metals																													
Aluminum, Total				**3450**		**6060**		**1390**		**1270**		**5780**		**4340**		**2460**		**1570**		**4480**		**3020**		**16200**		**5100**		**2130**	
Antimony, Total				21.5	U	11.2	U	10.4	U	**1.05**	**J**	5.35	U	**1.5**	**J**	**1.68**	**J**	12.4	U	**1.4**	**J**	**3.24**	**J**	**2.7**	**J**	**3.44**	**J**	**0.93**	**J**
Arsenic, Total	13	16	16	**4.03**	**J**	**4.28**		**4.16**		**3.59**		**9.36**		**19.3**	**J**	**13.5**		**10.7**		**13.8**		**9.57**		**34.3**		**19.2**		**9.65**	
Barium, Total	350	400	820	**63.1**		**103**		**33.9**		**32.6**		**152**		**209**	**J**	**101**		**70.3**		**118**		**76.9**		**281**		**372**		**79.9**	
Beryllium, Total	7.2	590	47	**0.203**	**J**	**0.283**	**J**	**0.154**	**J**	**0.111**	**J**	**0.7**		**0.718**		**0.301**	**J**	**0.23**	**J**	**0.557**		**0.398**	**J**	**2.29**		**0.492**		**0.279**	**J**
Cadmium, Total	2.5	9.3	7.5	4.3	U	2.24	U	2.08	U	1.91	U	1.07	U	**0.214**	**J**	1.94	U	2.49	U	**1.06**		**0.54**	**J**	**1.75**		**1.65**		0.919	U
Calcium, Total				**168000**		**124000**		**180000**		**143000**		**69500**		**28500**		**128000**		**210000**	**R**	**86300**		**18200**		**39800**		**32600**		**22400**	**R**
Chromium, Hexavalent	1	400	19	0.904	UJ	0.901	UJ	1.07	U	0.974	U	**0.271**	**J**	1.04	U	0.98	U	1.02	U	0.941	UJ	0.939	UJ	0.996	UJ	0.913	UJ	0.929	U
Chromium, Total				**12.5**		**13.4**		**11.5**		**9.35**		**12.4**		**16.1**	**J**	**22.1**		**10.1**		**22.8**		**13.4**		**22.3**		**26.8**		**11.4**	
Cobalt, Total				**5.42**	**J**	**6.92**		**3.43**	**J**	**2.14**	**J**	**5.37**		**5.57**		**5.15**		**3**	**J**	**6.66**		**7.16**		**5.94**		**7.74**		**4.09**	
Copper, Total	50	270	1720	**24.2**		**35.6**		**21**		**18.3**		**137**		**111**		**58.7**		**77.9**		**117**		**121**		**347**		**688**		**69.5**	
Cyanide, Total	27	27	40	1	U	1	U	**0.3**	**J**	**0.42**	**J**	1.3	U	**0.82**	**J**	1.2	U	**4**	**R**	**0.66**	**J**	**0.43**	**J**	**2.7**		**11**		**22**	**R**
Iron, Total				**9330**		**13900**		**6970**		**6140**		**8830**		**21700**		**19700**		**16700**		**19600**		**16800**		**31400**		**32300**		**17900**	
Lead, Total	63	1000	450	**75.7**		**55**		**50.9**		**92.3**		**67.5**		**145**	**J**	**153**		**74.3**		**150**		**89**		**607**		**860**		**67.6**	
Magnesium, Total				**12900**		**21800**		**13500**		**34300**		**6400**		**5370**		**47500**		**4590**	**J**	**4890**		**5890**		**6440**		**5710**		**2260**	**J**
Manganese, Total	1600	10000	2000	**257**		**360**		**196**		**150**		**119**		**151**	**J**	**222**		**126**		**226**		**195**		**406**		**387**		**114**	
Mercury, Total	0.18	2.8	0.73	**0.069**	**J**	**0.09**		**0.159**		**0.114**		**0.136**		**0.16**		**0.266**		**0.194**		**0.388**		**0.309**		**1.73**		**0.528**		**0.128**	
Nickel, Total	30	310	130	**19.1**		**34**		**8.94**		**7.22**		**12.8**		**20.8**		**13.6**		**14**		**16.8**		**15.8**		**20.9**		**34.9**		**14.4**	
Potassium, Total				**414**	**J**	**566**		**316**	**J**	**299**	**J**	**560**		**511**		**334**	**J**	**168**	**J**	**467**		**330**		**935**		**535**		**192**	**J**
Selenium, Total	3.9	1500	4	8.59	U	4.47	U	4.17	U	3.83	U	**1.71**	**J**	**0.926**	**J**	**0.639**	**J**	**1.03**	**J**	**1.21**	**J**	**0.85**	**J**	**4.81**		**2.07**		**0.378**	**J**
Silver, Total	2	1500	8.3	2.15	U	1.12	U	1.04	U	0.957	U	0.535	U	0.502	U	0.97	U	1.24	U	**0.268**	**J**	**0.311**	**J**	**0.517**		**0.452**	**J**	0.459	U
Sodium, Total				**121**	**J**	**113**	**J**	**123**	**J**	**137**	**J**	**231**		**113**	**J**	**135**	**J**	**108**	**J**	**134**	**J**	**50.7**	**J**	**190**	**J**	**216**		**60.3**	**J**
Thallium, Total				8.59	U	4.47	U	4.17	U	3.83	U	**0.559**	**J**	**0.661**	**J**	**0.66**	**J**	4.97	U	1.84	U	1.81	U	1.96	U	1.82	U	1.84	U
Vanadium, Total				**17.3**		**14.2**		**23.4**		**9.68**		**22.3**		**20**		**17.4**		**8.74**		**17.1**		**13**		**17.5**		**21.7**		**9.1**	
Zinc, Total	109	10000	2480	**92.3**		**126**		**95.3**		**97.8**		**116**		**158**	**J**	**228**		**80.2**		**609**		**472**		**799**		**711**		**72.8**	

Table 2
Site Management Plan
Surface Soil Data Summary

LOCATION				SS-101		SS-101		SS-102		SS-102		SS-103		SS-103		SS-104		SS-104		SS-105		SS-105		SS-106		SS-106		DUP-01 (SS-104)	
SAMPLING DATE				12/2/2024		12/2/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		11/22/2024		12/2/2024		12/2/2024		12/2/2024		12/2/2024		11/22/2024	
LAB SAMPLE ID				L2470407-05		L2470407-06		L2469246-01		L2469246-02		L2469246-03		L2469246-04		L2469246-05		L2469246-06		L2470407-01		L2470407-02		L2470407-03		L2470407-04		L2469246-07	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (in.)				0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		0-2		6-12		6-12	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Perfluorinated Alkyl Acids by EPA 1633																													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)				0.778	U	0.782	U	0.796	U	0.787	U	0.79	U	0.787	U	0.793	U	0.785	U	0.798	U	0.793	U	0.798	U	0.791	U	0.789	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)				0.778	U	0.782	U	0.796	U	0.787	U	0.79	U	0.787	U	0.793	U	0.785	U	0.798	U	0.793	U	0.798	U	0.791	U	0.789	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)				0.778	U	0.782	U	0.796	U	0.787	U	0.79	U	0.787	U	0.793	U	0.785	U	0.798	U	0.793	U	0.798	U	0.791	U	0.789	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)				0.778	U	0.782	U	0.796	U	0.787	U	0.79	U	0.787	U	0.793	U	0.785	U	0.798	U	0.793	U	0.798	U	0.791	U	0.789	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)				4.86	U	4.89	U	4.97	U	4.92	U	4.94	U	4.92	U	4.96	U	4.91	U	4.98	U	4.96	U	4.99	U	4.95	U	4.93	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)				4.86	U	4.89	U	4.97	U	4.92	U	4.94	U	4.92	U	4.96	U	4.91	U	4.98	U	4.96	U	4.99	U	4.95	U	4.93	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)				0.972	U	0.978	U	0.994	U	0.984	U	0.988	U	0.984	U	0.991	U	0.982	U	0.997	U	0.991	U	0.998	U	0.989	U	0.986	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)				0.778	U	0.782	U	0.796	U	0.787	U	0.79	U	0.787	U	0.793	U	0.785	U	0.798	U	0.793	U	0.798	U	0.791	U	0.789	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)				0.778	U	0.782	U	0.796	U	0.787	U	0.79	U	0.787	U	0.793	U	0.785	U	0.798	U	0.793	U	0.798	U	0.791	U	0.789	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)				0.778	U	0.782	U	0.796	U	0.787	U	0.79	U	0.787	U	0.793	U	0.785	U	0.798	U	0.793	U	0.798	U	0.791	U	0.789	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	0.198	U	0.197	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)				1.94	U	1.96	U	1.99	U	1.97	U	1.98	U	1.97	U	1.98	U	1.96	U	1.99	U	1.98	U	2	U	1.98	U	1.97	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)				0.194	U	0.196	U	**0.33**		**0.073**	**J**	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	**0.136**	**J**	0.198	U	0.197	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	0.198	U	0.197	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)				1.94	U	1.96	U	1.99	U	1.97	U	1.98	U	1.97	U	1.98	U	1.96	U	1.99	U	1.98	U	2	U	1.98	U	1.97	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	0.198	U	0.197	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)				0.389	U	0.391	U	0.398	U	0.394	U	0.395	U	0.393	U	0.396	U	0.393	U	0.399	U	0.396	U	0.399	U	0.396	U	0.394	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)				0.389	U	0.391	U	0.398	U	0.394	U	0.395	U	0.393	U	0.396	U	0.393	U	0.399	U	0.396	U	0.399	U	0.396	U	0.394	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)				0.389	U	0.391	U	0.398	U	0.394	U	0.395	U	0.393	U	0.396	U	0.393	U	0.399	U	0.396	U	0.399	U	0.396	U	0.394	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)				0.389	U	0.391	U	0.398	U	0.394	U	0.395	U	0.393	U	0.396	U	0.393	U	0.399	U	0.396	U	0.399	U	0.396	U	0.394	U
Perfluorobutanesulfonic Acid (PFBS)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	**0.034**	**J**	0.197	U
Perfluorobutanoic Acid (PFBA)				**0.045**	**J**	**0.108**	**J**	**0.332**	**J**	**0.378**	**J**	**0.177**	**J**	**0.12**	**J**	**0.114**	**J**	**0.072**	**J**	**0.141**	**J**	**0.116**	**J**	**0.255**	**J**	**0.195**	**J**	**0.058**	**J**
Perfluorodecanesulfonic Acid (PFDS)				0.194	U	0.196	U	**0.044**	**J**	**0.104**	**J**	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	**0.045**	**J**	0.198	U	0.197	U
Perfluorodecanoic Acid (PFDA)				**0.047**	**J**	**0.109**	**J**	**0.243**		**0.26**		**0.063**	**J**	0.197	U	**0.161**	**J**	**0.037**	**J**	**0.082**	**J**	**0.048**	**J**	**0.315**		**0.091**	**J**	0.197	U
Perfluorododecanesulfonic Acid (PFDoS)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	0.198	U	0.197	U
Perfluorododecanoic Acid (PFDoA)				**0.051**	**J**	**0.07**	**J**	**0.176**	**J**	**0.143**	**J**	**0.026**	**J**	0.197	U	**0.072**	**J**	0.196	U	**0.032**	**J**	0.198	U	**0.156**	**J**	**0.047**	**J**	0.197	U
Perfluoroheptanesulfonic Acid (PFHpS)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	0.198	U	0.197	U
Perfluoroheptanoic Acid (PFHpA)				**0.025**	**J**	**0.12**	**J**	**0.069**	**J**	**0.135**	**J**	**0.054**	**J**	**0.059**	**J**	**0.056**	**J**	**0.056**	**J**	**0.034**	**J**	**0.05**	**J**	**0.1**	**J**	**0.146**	**J**	**0.055**	**J**
Perfluorohexanesulfonic Acid (PFHxS)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	**0.052**	**J**	**0.047**	**J**	**0.029**	**J**	**0.025**	**J**	0.197	U
Perfluorohexanoic Acid (PFHxA)				**0.03**	EMPC	**0.101**	**J**	**0.086**	**J**	**0.15**	**J**	**0.047**	**J**	**0.046**	**J**	**0.04**	**J**	**0.041**	EMPC	**0.043**	**J**	**0.057**	**J**	**0.083**	**J**	**0.154**	**J**	**0.053**	**J**
Perfluorononanesulfonic Acid (PFNS)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	0.198	U	0.197	U
Perfluorononanoic Acid (PFNA)				**0.032**	**J**	**0.067**	**J**	**0.172**	**J**	**0.25**		**0.075**	**J**	**0.057**	**J**	**0.152**	**J**	**0.133**	**J**	**0.093**	**J**	**0.087**	**J**	**0.315**		**0.152**	**J**	**0.084**	**J**
Perfluorooctanesulfonamide (PFOSA)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	**0.026**	EMPC	0.198	U	0.197	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1	**0.143**	**J**	**0.78**		**1.41**		**1.91**		**0.425**		**0.246**		**1.89**		**2.53**		**1.93**		**1.75**		**2.06**		**0.877**		**1.93**	
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	**0.031**	**J**	**0.104**	**J**	**0.195**	**J**	**0.448**		**0.057**	**J**	**0.16**	**J**	**0.109**	**J**	**0.199**		**0.077**	**J**	**0.116**	**J**	**0.383**		**0.41**		**0.162**	**J**
Perfluoropentanesulfonic Acid (PFPeS)				0.194	U	0.196	U	0.199	U	0.197	U	0.198	U	0.197	U	0.198	U	0.196	U	0.199	U	0.198	U	0.2	U	0.198	U	0.197	U
Perfluoropentanoic Acid (PFPeA)				0.389	U	**0.174**	**J**	**0.098**	**J**	**0.167**	**J**	0.395	U	**0.046**	**J**	**0.051**	**J**	**0.056**	**J**	**0.046**	**J**	**0.041**	**J**	**0.108**	**J**	**0.119**	**J**	**0.046**	**J**
Perfluorotetradecanoic Acid (PFTeDA)				**0.025**	**J**	**0.035**	**J**	**0.076**	**J**	**0.065**	**J**	0.198	U	0.197	U	**0.026**	EMPC	0.196	U	0.199	U	0.198	U	**0.069**	**J**	0.198	U	0.197	U
Perfluorotridecanoic Acid (PFTrDA)				**0.019**	**J**	**0.024**	**J**	**0.095**	**J**	**0.091**	**J**	0.198	U	0.197	U	**0.039**	**J**	0.196	U	**0.022**	**J**	0.198	U	**0.085**	**J**	**0.027**	**J**	0.197	U
Perfluoroundecanoic Acid (PFUnA)				**0.03**	**J**	**0.068**	**J**	**0.211**		**0.243**		**0.042**	**J**	0.197	U	**0.116**	**J**	0.196	U	**0.059**	**J**	**0.019**	**J**	**0.223**		**0.061**	**J**	0.197	U

Notes:
- All values are reported in milligrams per kilogram (mg/kg) / parts per million (ppm) except PFAAs which are reported in micrograms per kilogram (µg/kg) / parts per billion (ppb).
- Analytical results compared to New York 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs).
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Red text** indicates analyte exceeds the Protection of Groundwater SCO.
- **Blue qualifiers** were applied based on a third party data usability review.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.
- Grey hatching indicates that the soil was removed during regrading / sitework. All surface soil was removed.
- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "NJ" indicates the detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
- "J" indicates estimated value.
- "E" indicates the concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- "EMPC" indicates the results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.
- "R" indicates The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-101 FILL		SB-101 NATIVE		SB-102 FILL		SB-102 NATIVE		SB-103 FILL		SB-103 NATIVE		SB-104 FILL		SB-104 NATIVE		SB-105 FILL		SB-105 NATIVE		SB-106 FILL		SB-106 NATIVE		SB-106A FILL		SB-106A NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024	
LAB SAMPLE ID				L2469906-01		L2469906-02		L2469590-01		L2469590-02		L2469590-03		L2469590-04		L2469906-03		L2469906-04		L2469590-05		L2469590-06		L2469590-07		L2469590-08		L2469590-09		L2469590-10	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-10		12-15		3-8		10-20		2-6		8-14		5-10		15-20		0-5		10-15		1-6		9-15		1-5		8-10	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by EPA 5035																															
1,1,1-Trichloroethane	0.68	500	0.68	0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	0.00051	U	0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
1,1,2,2-Tetrachloroethane				0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	0.00051	U	0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
1,1,2-Trichloroethane				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
1,1-Dichloroethane	0.27	240	0.27	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
1,1-Dichloroethene	0.33	500	0.33	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
1,2,4-Trichlorobenzene				0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	R	0.0022	U
1,2-Dibromo-3-chloropropane				0.007	U	0.0075	U	0.0037	U	0.0054	U	0.0034	U	0.003	U	0.0059	U	0.0035	U	0.0051	U	0.02	U	0.0063	U	0.0046	U	0.0071	U	0.0033	U
1,2-Dibromoethane				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
1,2-Dichlorobenzene	1.1	500	1.1	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
1,2-Dichloroethane	0.02	30	0.02	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
1,2-Dichloropropane				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	190	8.4	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	R	0.0022	U
1,3-Dichlorobenzene	2.4	280	2.4	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
1,4-Dichlorobenzene	1.8	130	1.8	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
2-Butanone	0.12	500	0.12	0.023	U	**0.008**	**J**	0.012	U	0.018	U	0.012	U	0.01	U	0.02	U	0.012	U	0.017	U	0.066	U	0.021	U	0.015	U	0.024	U	0.011	U
2-Hexanone				0.023	U	0.025	U	0.012	U	0.018	U	0.012	U	0.01	U	0.02	U	0.012	U	0.017	U	0.066	U	0.021	U	0.015	U	0.024	U	0.011	U
4-Methyl-2-pentanone				0.023	U	0.025	U	0.012	U	0.018	U	0.012	U	0.01	U	0.02	U	0.012	U	0.017	U	0.066	U	0.021	U	0.015	U	0.024	U	0.011	U
Acetone	0.05	500	0.05	0.023	U	**0.048**		0.012	U	0.018	U	0.012	U	**0.01**		0.02	U	**0.0062**	**J**	0.017	U	0.066	U	0.021	U	**0.039**		0.024	U	0.011	U
Benzene	0.06	44	0.06	0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	**0.0041**		0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
Bromodichloromethane				0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	0.00051	U	0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
Bromoform				0.0094	U	0.01	U	0.0049	U	0.0073	U	0.0046	U	0.004	U	0.0079	U	0.0046	U	0.0068	U	0.026	UJ	0.0084	U	0.0061	U	0.0095	U	0.0044	U
Bromomethane				0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
Carbon disulfide				0.023	U	**0.016**	**J**	0.012	U	0.018	U	0.012	U	0.01	U	0.02	U	0.012	U	0.017	U	0.066	U	0.021	U	**0.0085**	**J**	0.024	U	0.011	U
Carbon tetrachloride	0.76	22	0.76	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
Chlorobenzene	1.1	500	1.1	0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	0.00051	U	0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
Chloroethane				0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
Chloroform	0.37	350	0.37	0.0035	U	0.0038	U	0.0018	U	0.0027	U	0.0017	U	0.0015	U	0.003	U	0.0017	U	0.0025	U	0.01	U	0.0032	U	0.0023	U	0.0036	U	0.0016	U
Chloromethane				0.0094	U	0.01	U	0.0049	U	0.0073	U	0.0046	U	0.004	U	0.0079	U	0.0046	U	0.0068	U	0.026	U	0.0084	U	0.0061	U	0.0095	U	0.0044	U
cis-1,2-Dichloroethene	0.25	500	0.25	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
cis-1,3-Dichloropropene				0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	0.00051	U	0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
Cyclohexane				0.023	U	0.025	U	0.012	U	0.018	U	0.012	U	0.01	U	0.02	U	0.012	U	0.017	U	0.066	U	0.021	U	0.015	U	0.024	R	**0.00069**	**J**
Dibromochloromethane				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
Dichlorodifluoromethane				0.023	U	0.025	U	0.012	U	0.018	U	0.012	U	0.01	U	0.02	U	0.012	U	0.017	U	0.066	U	0.021	U	0.015	U	0.024	U	0.011	U
Ethylbenzene	1	390	1	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	R	0.0011	U
Freon-113				0.0094	U	0.01	U	0.0049	U	0.0073	U	0.0046	U	0.004	U	0.0079	U	0.0046	U	0.0068	U	0.026	U	0.0084	U	0.0061	U	0.0095	U	0.0044	U
Isopropylbenzene				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
Methyl Acetate				0.0094	U	0.01	U	0.0049	U	0.0073	U	0.0046	U	0.004	U	0.0079	U	0.0046	U	0.0068	U	0.026	U	0.0084	U	0.0061	U	0.0095	U	0.0044	U
Methyl cyclohexane				0.0094	U	0.01	U	0.0049	U	0.0073	U	0.0046	U	0.004	U	0.0079	U	0.0046	U	0.0068	U	0.026	U	0.0084	U	0.0061	U	0.0095	R	0.0044	U
Methyl tert butyl ether	0.93	500	0.93	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
Methylene chloride	0.05	500	0.05	0.012	U	0.012	U	0.0061	U	0.0091	U	0.0058	U	0.0051	U	0.0098	U	0.0058	U	0.0085	U	0.033	U	0.01	U	0.0077	U	0.012	U	0.0055	U
n-Butylbenzene	12	500	12	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
n-Propylbenzene	3.9	500	3.9	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
Naphthalene	12	500	12	0.0094	U	0.01	U	0.0049	U	0.0073	U	0.0046	U	0.004	U	0.0079	U	0.0046	U	0.0068	U	0.026	U	0.0084	U	0.0061	U	0.0095	R	0.0044	U
o-Xylene	0.26	500	1.6	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	R	0.0011	U
p-Isopropyltoluene				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
p/m-Xylene	0.26	500	1.6	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	R	0.0022	U
sec-Butylbenzene	11	500	11	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
Styrene				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
tert-Butylbenzene	5.9	500	5.9	0.0047	U	0.005	U	0.0024	U	0.0036	U	0.0023	U	0.002	U	0.0039	U	0.0023	U	0.0034	U	0.013	U	0.0042	U	0.0031	U	0.0048	U	0.0022	U
Tetrachloroethene	1.3	150	1.3	0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	0.00051	U	0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
Toluene	0.7	500	0.7	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.0035	U	0.0038	U	0.0018	U	0.0027	U	0.0017	U	0.0015	U	0.003	U	0.0017	U	0.0025	U	0.01	U	0.0032	U	0.0023	U	0.0036	U	0.0016	U
trans-1,3-Dichloropropene				0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
Trichloroethene	0.47	200	0.47	0.0012	U	0.0012	U	0.00061	U	0.00091	U	0.00058	U	0.00051	U	0.00098	U	0.00058	U	0.00085	U	0.0033	U	0.001	U	0.00077	U	0.0012	U	0.00055	U
Trichlorofluoromethane				0.0094	U	0.01	U	0.0049	U	0.0073	U	0.0046	U	0.004	U	0.0079	U	0.0046	U	0.0068	U	0.026	U	0.0084	U	0.0061	U	0.0095	U	0.0044	U
Vinyl chloride	0.02	13	0.02	0.0023	U	0.0025	U	0.0012	U	0.0018	U	0.0012	U	0.001	U	0.002	U	0.0012	U	0.0017	U	0.0066	U	0.0021	U	0.0015	U	0.0024	U	0.0011	U
Total TIC Compounds				0	U	**0.00615**	**J**	0	U	0	U	0	U	0	U	**0.0108**	**J**	0	U	0	U	0	U	0	U	**0.0146**	**J**	**0.0326**	**J**	**0.0167**	**J**

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-101 FILL		SB-101 NATIVE		SB-102 FILL		SB-102 NATIVE		SB-103 FILL		SB-103 NATIVE		SB-104 FILL		SB-104 NATIVE		SB-105 FILL		SB-105 NATIVE		SB-106 FILL		SB-106 NATIVE		SB-106A FILL		SB-106A NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024	
LAB SAMPLE ID				L2469906-01		L2469906-02		L2469590-01		L2469590-02		L2469590-03		L2469590-04		L2469906-03		L2469906-04		L2469590-05		L2469590-06		L2469590-07		L2469590-08		L2469590-09		L2469590-10	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-10		12-15		3-8		10-20		2-6		8-14		5-10		15-20		0-5		10-15		1-6		9-15		1-5		8-10	
Analyte	Unrestricted Use SCO	Commercial Use SCO	Protection of Groundwater	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High																															
1,1,1-Trichloroethane	0.68	500	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
1,1,2,2-Tetrachloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
1,1,2-Trichloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
1,1-Dichloroethane	0.27	240	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
1,1-Dichloroethene	0.33	500	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
1,2,4-Trichlorobenzene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
1,2,4-Trimethylbenzene	3.6	190	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.062**	R	-	-
1,2-Dibromo-3-chloropropane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	U	-	-
1,2-Dibromoethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
1,2-Dichlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
1,2-Dichloroethane	0.02	30	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
1,2-Dichloropropane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
1,3,5-Trimethylbenzene	8.4	190	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.029**	R	-	-
1,3-Dichlorobenzene	2.4	280	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
1,4-Dichlorobenzene	1.8	130	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
2-Butanone	0.12	500	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	U	-	-
2-Hexanone				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	U	-	-
4-Methyl-2-pentanone				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	U	-	-
Acetone	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	U	-	-
Benzene	0.06	44	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
Bromodichloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
Bromoform				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	U	-	-
Bromomethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
Carbon disulfide				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	U	-	-
Carbon tetrachloride	0.76	22	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
Chlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
Chloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
Chloroform	0.37	350	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-
Chloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	U	-	-
cis-1,2-Dichloroethene	0.25	500	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
cis-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
Cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.17**	R	-	-
Dibromochloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
Dichlorodifluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	U	-	-
Ethylbenzene	1	390	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	R	-	-
Freon-113				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	U	-	-
Isopropylbenzene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
Methyl Acetate				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	U	-	-
Methyl cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.66**	R	-	-
Methyl tert butyl ether	0.93	500	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
Methylene chloride	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.36	U	-	-
n-Butylbenzene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
n-Propylbenzene	3.9	500	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
Naphthalene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.055**	R	-	-
o-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.053**	R	-	-
p-Isopropyltoluene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
p/m-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.047**	R	-	-
sec-Butylbenzene	11	500	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
Styrene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
tert-Butylbenzene	5.9	500	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U	-	-
Tetrachloroethene	1.3	150	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
Toluene	0.7	500	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
trans-1,2-Dichloroethene	0.19	500	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	U	-	-
trans-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
Trichloroethene	0.47	200	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.036	U	-	-
Trichlorofluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	U	-	-
Vinyl chloride	0.02	13	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.073	U	-	-
Total TIC Compounds				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	U	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-101 FILL		SB-101 NATIVE		SB-102 FILL		SB-102 NATIVE		SB-103 FILL		SB-103 NATIVE		SB-104 FILL		SB-104 NATIVE		SB-105 FILL		SB-105 NATIVE		SB-106 FILL		SB-106 NATIVE		SB-106A FILL		SB-106A NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024	
LAB SAMPLE ID				L2469906-01		L2469906-02		L2469590-01		L2469590-02		L2469590-03		L2469590-04		L2469906-03		L2469906-04		L2469590-05		L2469590-06		L2469590-07		L2469590-08		L2469590-09		L2469590-10	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-10		12-15		3-8		10-20		2-6		8-14		5-10		15-20		0-5		10-15		1-6		9-15		1-5		8-10	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Semivolatile Organics by GC/MS																															
1,2,4,5-Tetrachlorobenzene				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
1,4-Dioxane	0.1	130	0.1	0.029	U	0.048	U	0.03	U	0.039	U	0.031	U	0.028	U	0.039	U	0.032	U	0.028	U	0.093	U	0.028	U	0.035	U	0.027	U	0.027	U
2,3,4,6-Tetrachlorophenol				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2,4,5-Trichlorophenol				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2,4,6-Trichlorophenol				0.12	U	0.19	U	0.12	U	0.16	U	0.12	U	0.11	U	0.16	U	0.13	U	0.11	U	0.37	U	0.11	U	0.14	U	0.11	U	0.11	U
2,4-Dichlorophenol				0.17	U	0.29	U	0.18	U	0.24	U	0.18	U	0.17	U	0.23	U	0.19	U	0.17	U	0.56	U	0.17	U	0.21	U	0.16	U	0.16	U
2,4-Dimethylphenol				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2,4-Dinitrophenol				0.93	U	1.6	U	0.98	U	1.2	U	0.99	U	0.9	U	1.2	U	1	U	0.9	U	3	U	0.89	U	1.1	U	0.87	U	0.88	U
2,4-Dinitrotoluene				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2,6-Dinitrotoluene				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2-Chloronaphthalene				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2-Chlorophenol				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2-Methylnaphthalene				**0.034**	**J**	0.39	U	**0.046**	**J**	0.31	U	**0.027**	**J**	**0.096**	**J**	0.31	U	0.26	U	**0.11**	**J**	0.75	U	**0.17**	**J**	0.28	U	**0.44**		**0.092**	**J**
2-Methylphenol	0.33	500	0.33	0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2-Nitroaniline				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
2-Nitrophenol				0.42	U	0.7	U	0.44	U	0.56	U	0.44	U	0.4	U	0.56	U	0.46	U	0.4	U	1.3	U	0.4	U	0.5	U	0.39	U	0.4	U
3,3'-Dichlorobenzidine				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	0.28	U	0.46	U	0.29	U	0.38	U	**0.054**	**J**	**0.11**	**J**	0.37	U	0.31	U	0.27	U	0.9	U	0.27	U	0.34	U	0.26	U	0.26	U
3-Nitroaniline				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol				0.5	U	0.84	U	0.53	U	0.68	U	0.53	U	0.48	U	0.68	U	0.56	U	0.49	U	1.6	U	0.48	U	0.61	U	0.47	U	0.48	U
4-Bromophenyl phenyl ether				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
4-Chloroaniline				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
4-Nitroaniline				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
4-Nitrophenol				0.27	U	0.45	U	0.28	U	0.36	U	0.29	U	0.26	U	0.36	U	0.3	U	0.26	U	0.87	U	0.26	U	0.33	U	0.25	U	0.26	U
Acenaphthene	20	500	98	0.15	U	0.26	U	**0.029**	**J**	0.21	U	**0.036**	**J**	**0.088**	**J**	**0.03**	**J**	0.17	U	**0.099**	**J**	0.5	U	**0.03**	**J**	0.19	U	0.14	U	**0.18**	
Acenaphthylene	100	500	107	0.15	U	0.26	U	**0.037**	**J**	0.21	U	**0.23**		**0.16**		0.21	U	0.17	U	**0.04**	**J**	**0.098**	**J**	**0.28**		0.19	U	0.14	U	**0.17**	
Acetophenone				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Anthracene	100	500	1000	0.12	U	0.19	U	**0.08**	**J**	0.16	U	**0.4**		**0.26**		**0.069**	**J**	0.13	U	**1.1**		0.37	U	**0.46**		0.14	U	**0.036**	**J**	**0.55**	
Atrazine				0.15	U	0.26	U	0.16	U	0.21	U	0.16	U	0.15	U	0.21	U	0.17	U	0.15	U	0.5	U	0.15	U	0.19	U	0.14	U	0.15	U
Benzaldehyde				0.26	U	0.22	J	0.27	U	0.34	U	0.27	U	0.25	U	0.34	U	0.28	U	**0.051**	**J**	**0.4**	**J**	0.24	U	0.31	U	0.24	U	0.24	U
Benzo(a)anthracene	1	5.6	1	**0.05**	**J**	0.05	J	**0.29**		0.16	U	**1.4**		**0.41**		**0.11**	**J**	0.13	U	**4**		**0.082**	**J**	**3.9**		0.14	U	**0.099**	**J**	**1.1**	
Benzo(a)pyrene	1	1	22	**0.059**	**J**	0.26	U	**0.32**		0.21	U	**1.6**		**0.36**		**0.097**	**J**	0.17	U	**3.9**		0.5	U	**5.8**		0.19	U	**0.096**	**J**	**0.95**	
Benzo(b)fluoranthene	1	5.6	1.7	**0.078**	**J**	0.062	J	**0.38**		0.16	U	**1.7**		**0.42**		**0.12**	**J**	0.13	U	**4.6**		**0.12**	**J**	**7.3**		0.14	U	**0.12**		**1.3**	
Benzo(ghi)perylene	100	500	1000	**0.073**	**J**	0.048	J	**0.24**		0.21	U	**1.1**		**0.21**		**0.086**	**J**	0.17	U	**2.7**		**0.091**	**J**	**5.8**		0.19	U	**0.12**	**J**	**0.58**	
Benzo(k)fluoranthene	0.8	56	1.7	0.12	U	0.19	U	**0.13**		0.16	U	**0.73**		**0.14**		**0.044**	**J**	0.13	U	**1.6**		0.37	U	**2**		0.14	U	**0.045**	**J**	**0.35**	
Biphenyl				0.44	U	0.74	U	0.46	U	0.6	U	0.47	U	0.42	U	0.59	U	0.49	U	**0.027**	**J**	1.4	U	**0.025**	**J**	0.53	U	**0.042**	**J**	**0.032**	**J**
Bis(2-chloroethoxy)methane				0.21	U	0.35	U	0.22	U	0.28	U	0.22	U	0.2	U	0.28	U	0.23	U	0.2	U	0.67	U	0.2	U	0.25	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether				0.17	U	0.29	U	0.18	U	0.24	U	0.18	U	0.17	U	0.23	U	0.19	U	0.17	U	0.56	U	0.17	U	0.21	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether				0.23	U	0.39	U	0.24	U	0.31	U	0.25	U	0.22	U	0.31	U	0.26	U	0.22	U	0.75	U	0.22	U	0.28	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Butyl benzyl phthalate				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Caprolactam				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Carbazole				0.19	U	0.32	U	**0.053**	**J**	0.26	U	**0.15**	**J**	**0.084**	**J**	**0.032**	**J**	0.21	U	**0.56**		0.62	U	**0.23**		0.23	U	**0.023**	**J**	**0.39**	
Chrysene	1	56	1	**0.067**	**J**	**0.043**	**J**	**0.31**		0.16	U	**1.1**		**0.36**		**0.1**	**J**	0.13	U	**3.8**		**0.086**	**J**	**3.4**		0.14	U	**0.14**		**1.1**	
Di-n-butylphthalate				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Di-n-octylphthalate				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	0.12	U	0.19	U	**0.049**	**J**	0.16	U	**0.22**		**0.045**	**J**	0.16	U	0.13	U	**0.78**		0.37	U	**0.79**		0.14	U	0.11	U	**0.18**	
Dibenzofuran	7	350	210	0.19	U	0.32	U	**0.033**	**J**	0.26	U	**0.069**	**J**	**0.11**	**J**	**0.026**	**J**	0.21	U	**0.19**		0.62	U	**0.11**	**J**	0.23	U	**0.14**	**J**	**0.22**	
Diethyl phthalate				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Dimethyl phthalate				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Fluoranthene	100	500	1000	**0.076**	**J**	**0.071**	**J**	**0.59**		0.16	U	**2**		**0.95**		**0.25**		0.13	U	**5.7**		0.37	U	**3.6**		0.14	U	**0.1**	**J**	**2.8**	
Fluorene	30	500	386	0.19	U	0.32	U	**0.039**	**J**	0.26	U	**0.091**	**J**	**0.17**	**J**	**0.037**	**J**	0.21	U	**0.16**	**J**	0.62	U	**0.08**	**J**	0.23	U	**0.026**	**J**	**0.35**	
Hexachlorobenzene	0.33	6	3.2	0.12	U	0.19	U	0.12	U	0.16	U	0.12	U	0.11	U	0.16	U	0.13	U	0.11	U	0.37	U	0.11	U	0.14	U	0.11	U	0.11	U
Hexachlorobutadiene				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Hexachlorocyclopentadiene				0.55	UJ	0.92	UJ	0.58	U	0.75	U	0.59	U	0.53	U	0.74	UJ	0.61	UJ	0.54	U	1.8	U	0.53	U	0.67	U	0.52	U	0.52	U
Hexachloroethane				0.15	U	0.26	U	0.16	U	0.21	U	0.16	U	0.15	U	0.21	U	0.17	U	0.15	U	0.5	U	0.15	U	0.19	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	**0.051**	**J**	0.26	U	**0.2**		0.21	U	**1**		**0.2**		**0.061**	**J**	0.17	U	**2.5**		0.5	U	**5.2**		0.19	U	**0.078**	**J**	**0.62**	
Isophorone				0.17	U	0.29	U	0.18	U	0.24	U	0.18	U	0.17	U	0.23	U	0.19	U	0.17	U	0.56	U	0.17	U	0.21	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Naphthalene	12	500	12	**0.036**	**J**	**0.039**	**J**	**0.067**	**J**	0.26	U	**0.13**	**J**	**0.3**		**0.061**	**J**	0.21	U	**0.14**	**J**	**0.11**	**J**	**0.13**	**J**	0.23	U	**0.19**		**0.29**	
NDPA/DPA				0.15	U	0.26	U	0.16	U	0.21	U	0.16	U	0.15	U	0.21	U	0.17	U	0.15	U	0.5	U	0.15	U	0.19	U	0.14	U	0.15	U
Nitrobenzene				0.17	U	0.29	U	0.18	U	0.24	U	0.18	U	0.17	U	0.23	U	0.19	U	0.17	U	0.56	U	0.17	U	0.21	U	0.16	U	0.16	U
p-Chloro-m-cresol				0.19	U	0.32	U	0.2	U	0.26	U	0.2	U	0.19	U	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.26	U	0.16	U	0.21	U	0.16	U	0.15	U	0.21	U	0.17	U	0.15	U	0.5	U	0.15	U	0.19	U	0.14	UJ	0.15	UJ
Phenanthrene	100	500	1000	**0.087**	**J**	**0.084**	**J**	**0.51**		0.16	U	**0.89**		**0.94**		**0.24**		0.13	U	**4.6**		0.37	U	**1.8**		0.14	U	**0.4**		**3**	
Phenol	0.33	500	0.33	0.19	U	0.32	U	0.2	U	0.26	U	**0.041**	**J**	**0.038**	**J**	0.26	U	0.21	U	0.19	U	0.62	U	0.18	U	0.23	U	0.18	U	0.18	U
Pyrene	100	500	1000	**0.07**	**J**	**0.067**	**J**	**0.53**		0.16	U	**1.8**		**0.79**		**0.2**		0.13	U	**5.2**		**0.092**	**J**	**3.7**		0.14	U	**0.11**		**2**	
Total TIC Compounds				0	U	**33.5**	**J**	**0.26**	**J**	**5.01**	**J**	**4.34**	**J**	**2.34**	**J**	**0.47**	**J**	0	U	**17.6**	**J**	**11**	**J**	**21.7**	**J**	**9.52**	**J**	**6.62**	**J**	**4.03**	**J**
Petroleum Hydrocarbon Quantitation																															
TPH (C10-C36)				**28.6**	**J**	-	-	**71**		-	-	**333**		-	-	**71.6**		-	-	**318**		-	-	**128**		-	-	-	-	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-101 FILL		SB-101 NATIVE		SB-102 FILL		SB-102 NATIVE		SB-103 FILL		SB-103 NATIVE		SB-104 FILL		SB-104 NATIVE		SB-105 FILL		SB-105 NATIVE		SB-106 FILL		SB-106 NATIVE		SB-106A FILL		SB-106A NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024	
LAB SAMPLE ID				L2469906-01		L2469906-02		L2469590-01		L2469590-02		L2469590-03		L2469590-04		L2469906-03		L2469906-04		L2469590-05		L2469590-06		L2469590-07		L2469590-08		L2469590-09		L2469590-10	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-10		12-15		3-8		10-20		2-6		8-14		5-10		15-20		0-5		10-15		1-6		9-15		1-5		8-10	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Polychlorinated Biphenyls by GC																															
Aroclor 1016	0.1	1	3.2	0.0546	U	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1221	0.1	1	3.2	0.0546	U	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1232	0.1	1	3.2	0.0546	U	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1242	0.1	1	3.2	0.0546	U	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1248	0.1	1	3.2	0.0546	U	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1254	0.1	1	3.2	**0.0137**	**J**	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1260	0.1	1	3.2	0.0546	U	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1262	0.1	1	3.2	0.0546	U	0.0971	U	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Aroclor 1268	0.1	1	3.2	**0.00994**	**JIP**	**0.018**	**J**	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
PCBs, Total	0.1	1	3.2	**0.0236**	**J**	**0.018**	**J**	0.0566	U	0.0752	U	0.0587	U	0.056	U	0.0753	U	0.061	U	0.0532	U	0.174	U	0.0541	U	0.0678	U	-	-	-	-
Chlorinated Herbicides by GC																															
2,4,5-T				0.194	U	0.322	U	0.201	U	0.262	U	0.206	U	0.19	U	0.254	U	0.211	U	0.187	U	0.619	U	0.182	U	0.233	U	-	-	-	-
2,4,5-TP (Silvex)	3.8	500	3.8	0.194	U	0.322	U	0.201	U	0.262	U	0.206	U	0.19	U	0.254	U	0.211	U	0.187	U	0.619	U	0.182	U	0.233	U	-	-	-	-
2,4-D				0.194	U	0.322	U	0.201	U	0.262	U	0.206	U	0.19	U	0.254	U	0.211	U	0.187	U	0.619	U	0.182	U	0.233	U	-	-	-	-
Organochlorine Pesticides by GC																															
4,4'-DDD	0.0033	92	14	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
4,4'-DDE	0.0033	62	17	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
4,4'-DDT	0.0033	47	136	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
Aldrin	0.005	0.68	0.19	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
Alpha-BHC	0.02	3.4	0.02	0.00078	U	0.00128	U	0.00081	U	0.00104	U	0.00081	U	0.00073	U	0.00099	U	0.00083	U	0.00072	U	0.0024	U	0.00072	U	0.00092	U	-	-	-	-
Beta-BHC	0.036	3	0.09	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
Chlordane				0.0155	U	0.0257	U	0.0162	U	0.0207	U	0.0162	U	0.0147	U	0.0199	U	0.0165	U	0.0143	U	0.048	U	0.0143	U	0.0184	U	-	-	-	-
cis-Chlordane	0.094	24	2.9	0.00233	U	0.00386	U	0.00243	U	0.0031	U	0.00243	U	0.0022	U	0.00298	U	0.00248	U	0.00215	U	0.0072	U	0.00215	U	0.00276	U	-	-	-	-
Delta-BHC	0.04	500	0.25	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
Dieldrin	0.005	1.4	0.1	0.00117	U	0.00193	U	0.00121	U	0.00155	U	0.00122	U	0.0011	U	0.00149	U	0.00124	U	0.00107	U	0.0036	U	0.00107	U	0.00138	U	-	-	-	-
Endosulfan I	2.4	200	102	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
Endosulfan II	2.4	200	102	0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
Endosulfan sulfate	2.4	200	1000	0.00078	U	0.00128	U	0.00081	U	0.00104	U	0.00081	U	0.00073	U	0.00099	U	0.00083	U	0.00072	U	0.0024	U	0.00072	U	0.00092	U	-	-	-	-
Endrin	0.014	89	0.06	0.00078	U	0.00128	U	0.00081	U	0.00104	U	0.00081	U	0.00073	U	0.00099	U	0.00083	U	0.00072	U	0.0024	U	0.00072	U	0.00092	U	-	-	-	-
Endrin aldehyde				0.00233	U	0.00386	U	0.00243	U	0.0031	U	0.00243	U	0.0022	U	0.00298	U	0.00248	U	0.00215	U	0.0072	U	0.00215	U	0.00276	U	-	-	-	-
Endrin ketone				0.00186	U	0.00308	U	0.00194	U	0.00248	U	0.00194	U	0.00176	U	0.00239	U	0.00198	U	0.00172	U	0.00576	U	0.00172	U	0.00221	U	-	-	-	-
Heptachlor	0.042	15	0.38	0.00093	U	0.00154	U	0.00097	U	0.00124	U	0.00097	U	0.00088	U	0.00119	U	0.00099	U	0.00086	U	0.00288	U	0.00086	U	0.0011	U	-	-	-	-
Heptachlor epoxide				0.0035	U	0.00578	U	0.00364	U	0.00466	U	0.00365	U	0.0033	U	0.00447	U	0.00372	U	0.00322	U	0.0108	U	0.00322	U	0.00414	U	-	-	-	-
Lindane	0.1	9.2	0.1	0.00078	U	0.00128	U	0.00081	U	0.00104	U	0.00081	U	0.00073	U	0.00099	U	0.00083	U	0.00072	U	0.0024	U	0.00072	U	0.00092	U	-	-	-	-
Methoxychlor				0.0035	U	0.00578	U	0.00364	U	0.00466	U	0.00365	U	0.0033	U	0.00447	U	0.00372	U	0.00322	U	0.0108	U	0.00322	U	0.00414	U	-	-	-	-
Toxaphene				0.035	U	0.0578	U	0.0364	U	0.0466	U	0.0365	U	0.033	U	0.0447	U	0.0372	U	0.0322	U	0.108	U	0.0322	U	0.0414	U	-	-	-	-
trans-Chlordane				0.00233	U	0.00386	U	0.00243	U	0.0031	U	0.00243	U	0.0022	U	0.00298	U	0.00248	U	0.00215	U	0.0072	U	0.00215	U	0.00276	U	-	-	-	-
Total Metals																															
Aluminum, Total				**6980**		**8410**		**5590**		**1230**		**4790**		**4490**		**1700**		**2820**		**1750**		**4270**		**2530**		**743**		-	-	-	-
Antimony, Total				**0.753**	**J**	7.6	U	**1.36**	**J**	12.5	U	**1.8**	**J**	**15.4**		**6.18**	**J**	5.1	U	**7.53**	**J**	**4.48**	**J**	**0.411**	**J**	5.52	U	-	-	-	-
Arsenic, Total	13	16	16	**9.39**		**4.96**		**11.8**		**0.892**	**J**	**10.9**		**27.7**		**20.8**		**3.01**		**37.6**		**22.6**		**13.9**		**1.56**		-	-	-	-
Barium, Total	350	400	820	**32**		**40.4**		**67.7**		**57.7**		**48.6**		**58.3**		**55.4**		**14.8**		**61.3**		**56.8**		**67.2**		**9.28**		-	-	-	-
Beryllium, Total	7.2	590	47	**0.525**		**0.477**	**J**	**0.399**	**J**	1.25	U	**0.496**	**J**	**0.316**	**J**	**0.198**	**J**	**0.149**	**J**	**0.661**	**J**	**0.633**	**J**	**0.388**	**J**	**0.124**	**J**	-	-	-	-
Cadmium, Total	2.5	9.3	7.5	0.917	U	1.52	U	0.959	U	2.51	U	**0.103**	**J**	**0.17**	**J**	**0.512**	**J**	1.02	U	4.41	U	3.03	U	0.863	U	1.1	U	-	-	-	-
Calcium, Total				**2000**		**23000**		**45200**		**237000**		**3590**		**18100**		**7790**		**58800**		**5180**		**57900**		**4020**		**11900**		-	-	-	-
Chromium, Hexavalent	400	19	1	0.938	U	**0.626**	**J**	0.984	U	1.26	U	1.01	U	0.922	U	1.25	U	1.03	U	0.905	U	3.04	U	0.29	U	1.14	U	-	-	-	-
Chromium, Total				**18.1**		**13.8**		**16.5**		**2.54**		**9.95**		**19.1**		**6.81**		**5.31**		**22.8**		**46.3**		**114**		**5.45**		-	-	-	-
Cobalt, Total				**11.1**		**6.77**		**8.96**		**0.993**	**J**	**5.65**		**7.09**		**7.41**		**3.25**		**13.4**		**9.32**		**5.59**		**2.24**		-	-	-	-
Copper, Total	50	270	1720	**38**		**23.2**		**44.4**		**3.71**		**40.3**		**124**		**65.5**		**11**		**83.4**		**73.4**		30.8		**20.8**		-	-	-	-
Cyanide, Total	27	40	27	**0.4**	**J**	1.8	U	1.1	U	1.5	U	1.2	U	**0.33**	**J**	**0.32**	**J**	1.2	U	1	U	3.7	U	**1**	**U**	1.3	U	-	-	-	-
Iron, Total				**31500**		**18600**		**36300**		**2720**		**21400**		**53700**		**90300**		**7920**		**127000**		**91100**		**32400**		**33500**		-	-	-	-
Lead, Total	63	1000	450	**22.5**		**16.5**		**278**		**2.49**	**J**	**2630**		**363**		**1040**		**3.84**	**J**	**70**		**49.8**		**38.5**		**8.97**		-	-	-	-
Magnesium, Total				**2510**		**6070**		**7920**		**2960**		**641**		**3470**		**591**		**11300**		**581**		**4080**		**356**		**630**		-	-	-	-
Manganese, Total	1600	10000	2000	**733**		**428**		**353**		**347**		**90.6**		**420**		**416**		**206**		**965**		**505**		**137**		**69.2**		-	-	-	-
Mercury, Total	0.18	2.8	0.73	**0.065**	**J**	**0.089**	**J**	**0.654**		0.126	U	**0.408**		**2.86**		**0.133**		0.085	U	0.082	U	0.244	U	0.078	U	0.093	U	-	-	-	-
Nickel, Total	30	310	130	**23.2**		**19.4**		**23.4**		**5.41**	**J**	**15.6**		**15.6**		**14.8**		**8.52**		**19.5**		**22**		**14.1**		**3.41**		-	-	-	-
Potassium, Total				**664**		**690**		**825**		**265**	**J**	**666**		**532**		**240**	**J**	**340**		**146**	**J**	**478**	**J**	**377**		**54.5**	**J**	-	-	-	-
Selenium, Total	3.9	1500	4	1.83	U	**1.33**	**J**	1.92	U	**0.917**	**J**	**1.01**	**J**	**0.446**	**J**	**1.41**	**J**	**0.35**	**J**	8.82	U	**4.44**	**J**	**0.905**	**J**	2.21	U	-	-	-	-
Silver, Total	2	1500	8.3	0.459	U	0.76	U	0.479	U	1.25	U	0.498	U	**0.516**		1.21	U	0.51	U	2.2	U	1.51	U	0.432	U	0.552	U	-	-	-	-
Sodium, Total				**141**	**J**	**385**		**236**		**346**	**J**	**238**		**216**		**93**	**J**	**98.2**	**J**	**160**	**J**	**1060**		**271**		**399**		-	-	-	-
Thallium, Total				**0.378**	**J**	3.04	U	1.92	U	5.02	U	1.99	U	1.79	U	4.83	U	2.04	U	8.82	U	6.05	U	1.73	U	2.21	U	-	-	-	-
Vanadium, Total				**31.1**		**19.1**		**24.2**		**2.17**	**J**	**16.5**		**15.4**		**15.4**		**8.03**		**74**		**51.7**		**12.3**		**17.2**		-	-	-	-
Zinc, Total	109	10000	2480	**39.6**		**39.4**		**108**		**14.9**		**44.4**		**92.4**		**102**		**17.3**		**55.9**		**83**		**24.9**		**11.9**		-	-	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-101 FILL		SB-101 NATIVE		SB-102 FILL		SB-102 NATIVE		SB-103 FILL		SB-103 NATIVE		SB-104 FILL		SB-104 NATIVE		SB-105 FILL		SB-105 NATIVE		SB-106 FILL		SB-106 NATIVE		SB-106A FILL		SB-106A NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024	
LAB SAMPLE ID				L2469906-01		L2469906-02		L2469590-01		L2469590-02		L2469590-03		L2469590-04		L2469906-03		L2469906-04		L2469590-05		L2469590-06		L2469590-07		L2469590-08		L2469590-09		L2469590-10	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-10		12-15		3-8		10-20		2-6		8-14		5-10		15-20		0-5		10-15		1-6		9-15		1-5		8-10	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Perfluorinated Alkyl Acids by EPA 1633																															
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)				0.795	U	0.794	U	0.794	U	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)				0.795	U	0.794	U	0.794	U	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)				0.795	U	0.794	U	0.794	U	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)				0.795	U	0.794	U	0.794	U	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)				4.97	U	4.96	U	4.96	U	4.98	U	4.96	U	4.95	U	4.95	U	4.92	U	4.88	U	7.6	U	4.98	U	4.91	U	-	-	-	-
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)				4.97	U	4.96	U	4.96	U	4.98	U	4.96	U	4.95	U	4.95	U	4.92	U	4.88	U	7.6	U	4.98	U	4.91	U	-	-	-	-
3-Perfluoropropyl Propanoic Acid (3:3FTCA)				0.994	U	0.992	U	0.992	U	0.996	U	0.993	U	0.99	U	0.99	U	0.984	U	0.975	U	1.52	U	0.996	U	0.982	U	-	-	-	-
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)				0.795	U	0.794	U	0.794	U	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)				0.795	U	0.794	U	0.794	U	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)				0.795	U	0.794	U	0.794	U	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)				1.99	U	1.98	U	1.98	U	1.99	U	1.98	U	1.98	U	1.98	U	1.97	U	1.95	U	3.04	U	1.99	U	1.96	U	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)				1.99	U	1.98	U	1.98	U	1.99	U	1.98	U	1.98	U	1.98	U	1.97	U	1.95	U	3.04	U	1.99	U	1.96	U	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)				0.397	U	0.397	U	0.397	U	0.398	U	0.397	U	0.396	U	0.396	U	0.394	U	0.39	U	0.608	U	0.398	U	0.393	U	-	-	-	-
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)				0.397	U	0.397	U	0.397	U	0.398	U	0.397	U	0.396	U	0.396	U	0.394	U	0.39	U	0.608	U	0.398	U	0.393	U	-	-	-	-
Perfluoro-3-Methoxypropanoic Acid (PFMPA)				0.397	U	0.397	U	0.397	U	0.398	U	0.397	U	0.396	U	0.396	U	0.394	U	0.39	U	0.608	U	0.398	U	0.393	U	-	-	-	-
Perfluoro-4-Methoxybutanoic Acid (PFMBA)				0.397	U	0.397	U	0.397	U	0.398	U	0.397	U	0.396	U	0.396	U	0.394	U	0.39	U	0.608	U	0.398	U	0.393	U	-	-	-	-
Perfluorobutanesulfonic Acid (PFBS)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorobutanoic Acid (PFBA)				0.795	U	0.794	U	**0.077**	**J**	0.797	U	0.794	U	0.792	U	0.792	U	0.788	U	0.78	U	1.22	U	0.797	U	0.786	U	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorodecanoic Acid (PFDA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorododecanesulfonic Acid (PFDoS)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorododecanoic Acid (PFDoA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluoroheptanesulfonic Acid (PFHpS)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluoroheptanoic Acid (PFHpA)				0.199	U	0.198	U	**0.046**	**J**	0.199	U	0.198	U	**0.027**	**J**	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorohexanesulfonic Acid (PFHxS)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	**0.023**	**J**	-	-	-	-
Perfluorohexanoic Acid (PFHxA)				0.199	U	0.198	U	**0.17**	**J**	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorononanesulfonic Acid (PFNS)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorononanoic Acid (PFNA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorooctanesulfonamide (PFOSA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1	**0.096**	**J**	0.198	U	**0.092**	**J**	0.199	U	0.198	U	**0.101**	**J**	0.198	U	0.197	U	**0.052**	**J**	0.304	U	0.199	U	**0.204**		-	-	-	-
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	**0.083**	**J**	0.198	U	**0.214**		0.199	U	0.198	U	**0.05**	**J**	0.198	U	0.197	U	0.195	U	0.304	U	**0.028**	**J**	**0.026**	**J**	-	-	-	-
Perfluoropentanesulfonic Acid (PFPeS)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluoropentanoic Acid (PFPeA)				0.397	U	0.397	U	**0.195**	**J**	0.398	U	0.397	U	0.396	U	0.396	U	0.394	U	0.39	U	0.608	U	0.398	U	0.393	U	-	-	-	-
Perfluorotetradecanoic Acid (PFTeDA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluorotridecanoic Acid (PFTrDA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-
Perfluoroundecanoic Acid (PFUnA)				0.199	U	0.198	U	0.198	U	0.199	U	0.198	U	0.198	U	0.198	U	0.197	U	0.195	U	0.304	U	0.199	U	0.196	U	-	-	-	-

Notes:
- All values are reported in milligrams per kilogram (mg/kg) / parts per million (ppm) except PFAAs which are reported in micrograms per kilogram (µg/kg) / parts per billion (ppb).
- Analytical results compared to New York 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs).
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Red text** indicates analyte exceeds Protection of Groundwater SCO.
- **Blue qualifiers** were applied based on a third party data usability review.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.
- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J+" indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- "I" indicates the lower value for the two columns has been reported due to obvious interference.
- "P" indicates the RPD between the results for the two columns exceeds the method-specified criteria.
- "EMPC" indicates the results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.
- "R" indicates the data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-106B FILL		SB-106B NATIVE		SB-106C FILL		SB-106C NATIVE		SB-107 FILL		SB-107 NATIVE		SB-108 FILL		SB-108 NATIVE		SB-109 FILL		SB-109 NATIVE		SB-110 FILL		SB-110 NATIVE		SB-111 FILL		SB-111 NATIVE	
SAMPLING DATE				11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469590-11		L2469590-12		L2469590-13		L2469590-14		L2469590-17		L2469590-18		L2469590-15		L2469590-16		L2469590-19		L2469590-20		L2469590-21		L2469590-22		L2469906-05		L2469906-06	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				1-5		10-12		1-5		10-12		1-6		8-10		0.5-8		8-15		1-5		7-10		1-7		15-20		2-8		9-15	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by EPA 5035																															
1,1,1-Trichloroethane	0.68	500	0.68	0.00074	U	0.00082	U	0.0011	U	0.0018	U	0.0005	U	0.0015	U	0.00066	U	0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
1,1,2,2-Tetrachloroethane				0.00074	U	0.00082	U	0.0011	U	0.0018	U	0.0005	U	0.0015	U	0.00066	U	0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
1,1,2-Trichloroethane				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
1,1-Dichloroethane	0.27	240	0.27	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
1,1-Dichloroethene	0.33	500	0.33	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
1,2,4-Trichlorobenzene				0.003	U	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.003	R	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
1,2-Dibromo-3-chloropropane				0.0044	U	0.0049	U	0.0066	U	0.011	U	0.003	U	0.009	U	0.004	U	0.015	U	0.0042	U	0.01	U	0.0034	U	0.0059	U	0.0045	U	0.0038	U
1,2-Dibromoethane				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
1,2-Dichlorobenzene	1.1	500	1.1	0.003	U	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
1,2-Dichloroethane	0.02	30	0.02	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
1,2-Dichloropropane				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
1,3,5-Trimethylbenzene	8.4	190	8.4	0.003	R	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
1,3-Dichlorobenzene	2.4	280	2.4	0.003	U	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
1,4-Dichlorobenzene	1.8	130	1.8	0.003	U	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
2-Butanone	0.12	500	0.12	0.015	U	0.016	U	0.022	U	**0.025**	**J**	0.01	U	**0.008**	**J**	0.013	U	0.052	U	0.014	U	0.034	U	0.011	U	**0.0044**	**J**	0.015	U	0.013	U
2-Hexanone				0.015	U	0.016	U	0.022	U	0.037	U	0.01	U	0.03	U	0.013	U	0.052	U	0.014	U	0.034	U	0.011	U	0.02	U	0.015	U	0.013	U
4-Methyl-2-pentanone				0.015	U	0.016	U	0.022	U	0.037	U	0.01	U	0.03	U	0.013	U	0.052	U	0.014	U	0.034	U	0.011	U	0.02	U	0.015	U	0.013	U
Acetone	0.05	500	0.05	0.015	U	**0.044**		0.022	U	**0.1**		0.01	U	**0.063**		**0.0065**	**J**	**0.12**		**0.009**	**J**	**0.033**	**J**	0.011	U	**0.02**		0.015	U	**0.0064**	**J**
Benzene	0.06	44	0.06	0.00074	U	0.00082	U	0.0011	U	**0.005**		0.0005	U	0.0015	U	0.00066	U	0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
Bromodichloromethane				0.00074	U	0.00082	U	0.0011	U	0.0018	U	0.0005	U	0.0015	U	0.00066	U	0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
Bromoform				0.0059	U	0.0066	U	0.0087	U	0.015	U	0.004	U	0.012	UJ	0.0053	U	0.021	U	0.0055	U	0.014	U	0.0045	U	0.0078	U	0.006	U	0.0051	U
Bromomethane				0.003	U	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
Carbon disulfide				0.015	U	0.016	U	0.022	U	0.037	U	0.01	U	**0.018**	**J**	0.013	U	**0.038**	**J**	0.014	U	0.034	U	0.011	U	**0.011**	**J**	0.015	U	0.013	U
Carbon tetrachloride	0.76	22	0.76	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Chlorobenzene	1.1	500	1.1	0.00074	U	0.00082	U	0.0011	U	0.0018	U	0.0005	U	0.0015	U	0.00066	U	0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
Chloroethane				0.003	U	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
Chloroform	0.37	350	0.37	0.0022	U	0.0025	U	0.0033	U	0.0056	U	0.0015	U	0.0045	U	0.002	U	0.0077	U	0.0021	U	0.0052	U	0.0017	U	0.0029	U	0.0022	U	0.0019	U
Chloromethane				0.0059	U	0.0066	U	0.0087	U	0.015	U	0.004	U	0.012	U	0.0053	U	0.021	U	0.0055	U	0.014	U	0.0045	U	0.0078	U	0.006	U	0.0051	U
cis-1,2-Dichloroethene	0.25	500	0.25	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
cis-1,3-Dichloropropene				0.00074	U	0.00082	U	0.0011	U	0.0018	U	0.0005	U	0.0015	U	0.00066	U	0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
Cyclohexane				0.015	R	0.016	U	0.022	U	**0.0022**	**J**	0.01	U	0.03	U	0.013	U	0.052	U	**0.0009**	**J**	0.034	U	0.011	U	0.02	U	0.015	U	0.013	U
Dibromochloromethane				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Dichlorodifluoromethane				0.015	U	0.016	U	0.022	U	0.037	U	0.01	U	0.03	U	0.013	U	0.052	U	0.014	U	0.034	U	0.011	U	0.02	U	0.015	U	0.013	U
Ethylbenzene	1	390	1	0.0015	R	0.0016	U	0.0022	U	**0.00062**	**J**	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Freon-113				0.0059	U	0.0066	U	0.0087	U	0.015	U	0.004	U	0.012	U	0.0053	U	0.021	U	0.0055	U	0.014	U	0.0045	U	0.0078	U	0.006	U	0.0051	U
Isopropylbenzene				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Methyl Acetate				0.0059	U	0.0066	U	0.0087	U	0.015	U	0.004	U	0.012	U	0.0053	U	0.021	U	0.0055	U	0.014	U	0.0045	U	0.0078	U	0.006	U	0.0051	U
Methyl cyclohexane				0.0059	R	0.0066	U	0.0087	U	0.015	U	0.004	U	0.012	U	0.0053	U	0.021	U	**0.0013**	**J**	0.014	U	0.0045	U	0.0078	U	0.006	U	0.0051	U
Methyl tert butyl ether	0.93	500	0.93	0.003	U	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
Methylene chloride	0.05	500	0.05	0.0074	U	0.0082	U	0.011	U	0.018	U	0.005	U	0.015	U	0.0066	U	0.026	U	0.0069	U	0.017	U	0.0056	U	0.0098	U	0.0075	U	0.0064	U
n-Butylbenzene	12	500	12	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
n-Propylbenzene	3.9	500	3.9	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Naphthalene	12	500	12	0.0059	R	0.0066	U	0.0087	U	0.015	U	0.004	U	0.012	U	0.0053	U	0.021	U	0.0055	U	0.014	U	0.0045	U	0.0078	U	0.006	U	0.0051	U
o-Xylene	0.26	500	1.6	0.0015	R	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
p-Isopropyltoluene				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
p/m-Xylene	0.26	500	1.6	0.003	R	0.0033	U	0.0044	U	0.0074	U	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
sec-Butylbenzene	11	500	11	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Styrene				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
tert-Butylbenzene	5.9	500	5.9	0.003	U	0.0033	U	0.0044	U	**0.0012**	**J**	0.002	U	0.006	U	0.0026	U	0.01	U	0.0028	U	0.0069	U	0.0022	U	0.0039	U	0.003	U	0.0025	U
Tetrachloroethene	1.3	150	1.3	0.00074	U	0.00082	U	0.0011	U	0.0018	U	0.0005	U	0.0015	U	0.00066	U	0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
Toluene	0.7	500	0.7	0.0015	U	0.0016	U	0.0022	U	**0.0036**	**J**	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.0022	U	0.0025	U	0.0033	U	0.0056	U	0.0015	U	0.0045	U	0.002	U	0.0077	U	0.0021	U	0.0052	U	0.0017	U	0.0029	U	0.0022	U	0.0019	U
trans-1,3-Dichloropropene				0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Trichloroethene	0.47	200	0.47	0.00074	U	0.00082	U	0.0011	U	0.0018	U	0.0005	U	0.0015	U	**0.00084**		0.0026	U	0.00069	U	0.0017	U	0.00056	U	0.00098	U	0.00075	U	0.00064	U
Trichlorofluoromethane				0.0059	U	0.0066	U	0.0087	U	0.015	U	0.004	U	0.012	U	0.0053	U	0.021	U	0.0055	U	0.014	U	0.0045	U	0.0078	U	0.006	U	0.0051	U
Vinyl chloride	0.02	13	0.02	0.0015	U	0.0016	U	0.0022	U	0.0037	U	0.001	U	0.003	U	0.0013	U	0.0052	U	0.0014	U	0.0034	U	0.0011	U	0.002	U	0.0015	U	0.0013	U
Total TIC Compounds				**0.0214**	**J**	**0.00368**	**J**	**0.027**	**J**	**1.03**	**J**	**0.0121**	**J**	0	U	0	U	0	U	0	U	0	U	0	U	0	U	**0.0216**	**J**	0	U

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-106B FILL		SB-106B NATIVE		SB-106C FILL		SB-106C NATIVE		SB-107 FILL		SB-107 NATIVE		SB-108 FILL		SB-108 NATIVE		SB-109 FILL		SB-109 NATIVE		SB-110 FILL		SB-110 NATIVE		SB-111 FILL		SB-111 NATIVE	
SAMPLING DATE				11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469590-11		L2469590-12		L2469590-13		L2469590-14		L2469590-17		L2469590-18		L2469590-15		L2469590-16		L2469590-19		L2469590-20		L2469590-21		L2469590-22		L2469906-05		L2469906-06	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				1-5		10-12		1-5		10-12		1-6		8-10		0.5-8		8-15		1-5		7-10		1-7		15-20		2-8		9-15	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by EPA 5035 High																															
1,1,1-Trichloroethane	0.68	500	0.68	0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane				0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.27	240	0.27	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	0.33	500	0.33	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene				0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	3.6	190	3.6	**0.069**	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane				0.22	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	500	1.1	0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.02	30	0.02	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	8.4	190	8.4	**0.034**	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	280	2.4	0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	130	1.8	0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	0.12	500	0.12	0.73	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone				0.73	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone				0.73	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	0.05	500	0.05	0.73	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	44	0.06	0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane				0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform				0.29	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane				0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide				0.73	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	0.76	22	0.76	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1.1	500	1.1	0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane				0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	0.37	350	0.37	0.11	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane				0.29	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.25	500	0.25	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene				0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane				**0.22**	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane				0.73	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	390	1	0.073	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon-113				0.29	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate				0.29	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane				**0.72**	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether	0.93	500	0.93	0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.05	500	0.05	0.36	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	500	12	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	3.9	500	3.9	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	12	500	12	**0.087**	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	0.26	500	1.6	**0.054**	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyltoluene				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	0.26	500	1.6	**0.071**	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	11	500	11	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5.9	500	5.9	0.14	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1.3	150	1.3	0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	0.7	500	0.7	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	0.19	500	0.19	0.11	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene				0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	200	0.47	0.036	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane				0.29	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	13	0.02	0.073	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds				0	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-106B FILL		SB-106B NATIVE		SB-106C FILL		SB-106C NATIVE		SB-107 FILL		SB-107 NATIVE		SB-108 FILL		SB-108 NATIVE		SB-109 FILL		SB-109 NATIVE		SB-110 FILL		SB-110 NATIVE		SB-111 FILL		SB-111 NATIVE	
SAMPLING DATE				11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469590-11		L2469590-12		L2469590-13		L2469590-14		L2469590-17		L2469590-18		L2469590-15		L2469590-16		L2469590-19		L2469590-20		L2469590-21		L2469590-22		L2469906-05		L2469906-06	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				1-5		10-12		1-5		10-12		1-6		8-10		0.5-8		8-15		1-5		7-10		1-7		15-20		2-8		9-15	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Semivolatile Organics by GC/MS																															
1,2,4,5-Tetrachlorobenzene				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
1,4-Dioxane	0.1	130	0.1	0.028	U	0.033	U	0.029	U	0.061	U	0.029	U	0.051	U	0.029	U	0.094	U	0.03	U	0.062	U	0.03	U	0.044	U	0.15	U	0.033	U
2,3,4,6-Tetrachlorophenol				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2,4,5-Trichlorophenol				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2,4,6-Trichlorophenol				0.11	U	0.13	U	0.12	U	0.24	U	0.12	U	0.2	U	0.12	U	0.38	U	0.12	U	0.25	U	0.12	U	0.18	U	0.59	U	0.13	U
2,4-Dichlorophenol				0.17	U	0.2	U	0.17	U	0.36	U	0.17	U	0.31	U	0.17	U	0.56	U	0.18	U	0.37	U	0.18	U	0.26	U	0.88	U	0.2	U
2,4-Dimethylphenol				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2,4-Dinitrophenol				0.9	U	1	U	0.92	U	1.9	U	0.92	U	1.6	U	0.93	U	3	U	0.95	U	2	U	0.96	U	1.4	U	4.7	U	1	U
2,4-Dinitrotoluene				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2,6-Dinitrotoluene				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2-Chloronaphthalene				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2-Chlorophenol				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2-Methylnaphthalene				**0.41**		**0.049**	**J**	**0.29**		**0.19**	**J**	**0.83**		**0.083**	**J**	**0.15**	**J**	0.75	U	**1.5**		0.5	U	0.24	U	0.35	U	1.2	U	0.26	U
2-Methylphenol	0.33	500	0.33	0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	**0.045**	**J**	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2-Nitroaniline				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
2-Nitrophenol				0.4	U	0.47	U	0.41	U	0.88	U	0.42	U	0.74	U	0.42	U	1.4	U	0.43	U	0.89	U	0.43	U	0.64	U	2.1	U	0.47	U
3,3'-Dichlorobenzidine				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	0.27	U	0.32	U	0.28	U	0.58	U	0.28	U	0.49	U	0.28	U	0.9	U	**0.2**	**J**	0.59	U	0.29	U	0.42	U	1.4	U	**0.22**	**J**
3-Nitroaniline				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
4,6-Dinitro-o-cresol				0.48	U	0.57	U	0.5	U	1	U	0.5	U	0.88	U	0.5	U	1.6	U	0.51	U	1.1	U	0.52	U	0.77	U	2.6	U	0.57	U
4-Bromophenyl phenyl ether				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
4-Chloroaniline				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
4-Chlorophenyl phenyl ether				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
4-Nitroaniline				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
4-Nitrophenol				0.26	U	0.31	U	0.27	U	0.57	U	0.27	U	0.48	U	0.27	U	0.88	U	0.28	U	0.58	U	0.28	U	0.41	U	1.4	U	0.3	U
Acenaphthene	20	500	98	0.15	U	0.18	U	0.15	U	**0.052**	**J**	0.15	U	0.27	U	0.16	U	0.5	U	**2.4**		0.33	U	0.16	U	0.24	U	0.79	U	0.17	U
Acenaphthylene	100	500	107	**0.12**	**J**	**0.055**	**J**	0.15	U	0.32	U	**0.044**	**J**	0.27	U	0.16	U	0.5	U	**0.93**		0.33	U	0.16	U	0.24	U	0.79	U	0.17	U
Acetophenone				0.19	U	0.22	U	**0.028**	**J**	0.4	U	**0.068**	**J**	0.34	U	**0.031**	**J**	0.63	U	**0.046**	**J**	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Anthracene	100	500	1000	**0.058**	**J**	**0.045**	**J**	0.12	U	**0.27**		**0.04**	**J**	0.2	U	0.12	U	0.38	U	**5.8**		0.25	U	**0.055**	**J**	**0.13**	**J**	**0.23**	**J**	0.13	U
Atrazine				0.15	U	0.18	U	0.15	U	0.32	U	0.15	U	0.27	U	0.16	U	0.5	U	0.16	U	0.33	U	0.16	U	0.24	U	0.79	U	0.17	U
Benzaldehyde				0.25	U	0.29	U	**0.08**	**J**	**0.21**	**J**	**0.1**	**J**	0.45	U	0.26	U	0.83	U	**0.059**	**J**	0.54	U	0.26	U	0.39	U	1.3	U	0.29	U
Benzo(a)anthracene	1	5.6	1	**0.48**		**0.091**	**J**	**0.17**		**0.14**	**J**	**0.42**		**0.09**	**J**	**0.073**	**J**	0.38	U	**7.8**		0.25	U	**0.18**		**0.16**	**J**	**0.6**	**J**	**0.094**	**J**
Benzo(a)pyrene	1	1	22	**1.1**		**0.086**	**J**	**0.24**		**0.16**	**J**	**0.58**		**0.09**	**J**	**0.098**	**J**	0.5	U	**7.3**		0.33	U	**0.16**		**0.13**	**J**	**0.54**	**J**	**0.097**	**J**
Benzo(b)fluoranthene	1	5.6	1.7	**1.3**		**0.098**	**J**	**0.28**		**0.2**	**J**	**0.67**		**0.1**	**J**	**0.12**		0.38	U	**11**		0.25	U	**0.2**		**0.15**	**J**	**0.56**	**J**	**0.1**	**J**
Benzo(ghi)perylene	100	500	1000	**1.4**		**0.072**	**J**	**0.27**		**0.18**	**J**	**0.67**		**0.09**	**J**	**0.14**	**J**	0.5	U	**3.7**		0.33	U	**0.12**	**J**	**0.072**	**J**	**0.37**	**J**	**0.076**	**J**
Benzo(k)fluoranthene	0.8	56	1.7	**0.4**		**0.044**	**J**	**0.07**	**J**	0.24	U	**0.23**		0.2	U	**0.032**	**J**	0.38	U	**2.4**		0.25	U	**0.071**	**J**	0.18	U	**0.25**	**J**	**0.039**	**J**
Biphenyl				**0.053**	**J**	0.5	U	**0.026**	**J**	0.92	U	**0.095**	**J**	0.78	U	0.44	U	1.4	U	**0.26**	**J**	0.94	U	0.45	U	0.67	U	2.2	U	0.5	U
Bis(2-chloroethoxy)methane				0.2	U	0.24	U	0.21	U	0.44	U	0.21	U	0.37	U	0.21	U	0.68	U	0.21	U	0.44	U	0.22	U	0.32	U	1.1	U	0.24	U
Bis(2-chloroethyl)ether				0.17	U	0.2	U	0.17	U	0.36	U	0.17	U	0.31	U	0.17	U	0.56	U	0.18	U	0.37	U	0.18	U	0.26	U	0.88	U	0.2	U
Bis(2-chloroisopropyl)ether				0.22	U	0.26	U	0.23	U	0.49	U	0.23	U	0.41	U	0.23	U	0.75	U	0.24	U	0.5	U	0.24	U	0.35	U	1.2	U	0.26	U
Bis(2-ethylhexyl)phthalate				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Butyl benzyl phthalate				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Caprolactam				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Carbazole				**0.026**	**J**	**0.021**	**J**	0.19	U	0.4	U	**0.026**	**J**	0.34	U	0.19	U	0.63	U	**1.1**		0.41	U	**0.023**	**J**	0.3	U	0.98	U	0.22	U
Chrysene	1	56	1	**0.47**		**0.083**	**J**	**0.19**		**0.17**	**J**	**0.4**		**0.084**	**J**	**0.083**	**J**	0.38	U	**6.3**		0.25	U	**0.16**		**0.15**	**J**	**0.48**	**J**	**0.083**	**J**
Di-n-butylphthalate				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Di-n-octylphthalate				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	**0.18**		0.13	U	**0.038**	**J**	0.24	U	**0.074**	**J**	0.2	U	0.12	U	0.38	U	**0.96**		0.25	U	**0.025**	**J**	0.18	U	0.59	U	0.13	U
Dibenzofuran	7	350	210	**0.11**	**J**	0.22	U	**0.088**	**J**	0.4	U	**0.22**		0.34	U	**0.038**	**J**	0.63	U	**1.9**		0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Diethyl phthalate				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Dimethyl phthalate				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Fluoranthene	100	500	1000	**0.38**		**0.16**		**0.22**		**0.24**		**0.46**		**0.15**	**J**	**0.071**	**J**	0.38	U	**21**		**0.05**	**J**	**0.34**		**0.36**		**1.2**	**J**	**0.19**	
Fluorene	30	500	386	0.19	U	**0.022**	**J**	0.19	U	0.4	U	**0.029**	**J**	0.34	U	0.19	U	0.63	U	**3.7**		0.41	U	0.2	U	0.036	J	0.98	U	**0.024**	**J**
Hexachlorobenzene	0.33	6	3.2	0.11	U	0.13	U	0.12	U	0.24	U	0.12	U	0.2	U	0.12	U	0.38	U	0.12	U	0.25	U	0.12	U	0.18	U	0.59	U	0.13	U
Hexachlorobutadiene				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Hexachlorocyclopentadiene				0.53	U	0.63	U	0.55	U	1.2	U	0.55	U	0.97	U	0.55	U	1.8	U	0.57	U	1.2	U	0.57	U	0.84	U	2.8	UJ	0.62	UJ
Hexachloroethane				0.15	U	0.18	U	0.15	U	0.32	U	0.15	U	0.27	U	0.16	U	0.5	U	0.16	U	0.33	U	0.16	U	0.24	U	0.79	U	0.17	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	**1.3**		**0.056**	**J**	**0.21**		**0.15**	**J**	**0.53**		**0.075**	**J**	**0.1**	**J**	0.5	U	**3.9**		0.33	U	**0.1**	**J**	**0.064**	**J**	**0.27**	**J**	**0.052**	**J**
Isophorone				0.17	U	0.2	U	0.17	U	0.36	U	0.17	U	0.31	U	0.17	U	0.56	U	0.18	U	0.37	U	0.18	U	0.26	U	0.88	U	0.2	U
n-Nitrosodi-n-propylamine				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Naphthalene	12	500	12	**0.2**		**0.034**	**J**	**0.15**	**J**	**0.15**	**J**	**0.41**		**0.064**	**J**	**0.094**	**J**	0.63	U	**1.6**		0.41	U	0.03	J	0.3	U	0.98	U	**0.048**	**J**
NDPA/DPA				0.15	U	0.18	U	0.15	U	0.32	U	0.15	U	0.27	U	0.16	U	0.5	U	0.16	U	0.33	U	0.16	U	0.24	U	0.79	U	0.17	U
Nitrobenzene				0.17	U	0.2	U	0.17	U	0.36	U	0.17	U	0.31	U	0.17	U	0.56	U	0.18	U	0.37	U	0.18	U	0.26	U	0.88	U	0.2	U
p-Chloro-m-cresol				0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	0.2	U	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Pentachlorophenol	0.8	6.7	0.8	0.15	UJ	0.18	UJ	0.15	U	0.32	UJ	0.15	U	0.27	U	0.16	U	0.5	U	0.16	U	0.33	U	0.16	U	0.24	UJ	0.79	U	0.17	U
Phenanthrene	100	500	1000	**0.35**		**0.13**		**0.28**		**0.23**	**J**	**0.56**		**0.14**	**J**	**0.11**	**J**	0.38	U	**21**		0.25	U	**0.24**		**0.37**		**0.97**	**J**	**0.13**	
Phenol	0.33	500	0.33	0.19	U	0.22	U	0.19	U	0.4	U	0.19	U	0.34	U	0.19	U	0.63	U	**0.16**	**J**	0.41	U	0.2	U	0.3	U	0.98	U	0.22	U
Pyrene	100	500	1000	**0.44**		**0.14**		**0.21**		**0.27**		**0.55**		**0.13**	**J**	**0.078**	**J**	0.38	U	**17**		**0.041**	**J**	**0.29**		**0.28**		**0.97**	**J**	**0.16**	
Total TIC Compounds				**5.33**	**J**	**0.916**	**J**	**4.59**	**J**	**37.4**	**J**	**7.19**	**J**	0	U	0	U	**8.74**	**J**	**20.5**	**J**	**6.04**	**J**	0	U	**0.334**	**J**	0	U	**2.79**	**J**
Petroleum Hydrocarbon Quantitation																															
TPH (C10-C36)				-	-	-	-	-	-	-	-	**249**		-	-	**540**		-	-	**445**		-	-	**166**		-	-	**582**	**J**	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-106B FILL		SB-106B NATIVE		SB-106C FILL		SB-106C NATIVE		SB-107 FILL		SB-107 NATIVE		SB-108 FILL		SB-108 NATIVE		SB-109 FILL		SB-109 NATIVE		SB-110 FILL		SB-110 NATIVE		SB-111 FILL		SB-111 NATIVE	
SAMPLING DATE				11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469590-11		L2469590-12		L2469590-13		L2469590-14		L2469590-17		L2469590-18		L2469590-15		L2469590-16		L2469590-19		L2469590-20		L2469590-21		L2469590-22		L2469906-05		L2469906-06	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				1-5		10-12		1-5		10-12		1-6		8-10		0.5-8		8-15		1-5		7-10		1-7		15-20		2-8		9-15	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Polychlorinated Biphenyls by GC																															
Aroclor 1016	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1221	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1232	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1242	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1248	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1254	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1260	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	**0.0196**	**J**	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1262	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	0.0565	U	0.0612	U
Aroclor 1268	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	0.0568	U	0.118	U	0.0561	U	0.0861	U	**0.00654**	**J**	0.0612	U
PCBs, Total	0.1	1	3.2	-	-	-	-	-	-	-	-	0.056	U	0.101	U	0.0575	U	0.189	U	**0.0196**	**J**	0.118	U	0.0561	U	0.0861	U	**0.00654**	**J**	0.0612	U
Chlorinated Herbicides by GC																															
2,4,5-T				-	-	-	-	-	-	-	-	0.19	U	0.335	U	0.192	U	0.625	U	0.199	U	0.411	U	0.196	U	0.298	U	0.194	U	0.217	U
2,4,5-TP (Silvex)	3.8	500	3.8	-	-	-	-	-	-	-	-	0.19	U	0.335	U	0.192	U	0.625	U	0.199	U	0.411	U	0.196	U	0.298	U	0.194	U	0.217	U
2,4-D				-	-	-	-	-	-	-	-	0.19	U	0.335	U	0.192	U	0.625	U	0.199	U	0.411	U	0.196	U	0.298	U	0.194	U	0.217	U
Organochlorine Pesticides by GC																															
4,4'-DDD	0.0033	92	14	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
4,4'-DDE	0.0033	62	17	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
4,4'-DDT	0.0033	47	136	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
Aldrin	0.005	0.68	0.19	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
Alpha-BHC	0.02	3.4	0.02	-	-	-	-	-	-	-	-	0.00074	U	0.00134	U	0.00078	U	0.00252	U	0.00078	U	0.00164	U	0.00079	U	0.00114	U	0.00076	U	0.00088	U
Beta-BHC	0.036	3	0.09	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
Chlordane				-	-	-	-	-	-	-	-	0.0148	U	0.0269	U	0.0157	U	0.0505	U	0.0156	U	0.0328	U	0.0159	U	0.0227	U	0.0152	U	0.0176	U
cis-Chlordane	0.094	24	2.9	-	-	-	-	-	-	-	-	0.00222	U	0.00403	U	0.00235	U	0.00757	U	0.00234	U	0.00493	U	0.00238	U	0.0034	U	0.00228	U	0.00264	U
Delta-BHC	0.04	500	0.25	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
Dieldrin	0.005	1.4	0.1	-	-	-	-	-	-	-	-	0.00111	U	0.00201	U	0.00118	U	0.00378	U	0.00117	U	0.00246	U	0.00119	U	0.0017	U	0.00114	U	0.00132	U
Endosulfan I	2.4	200	102	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
Endosulfan II	2.4	200	102	-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
Endosulfan sulfate	2.4	200	1000	-	-	-	-	-	-	-	-	0.00074	U	0.00134	U	0.00078	U	0.00252	U	0.00078	U	0.00164	U	0.00079	U	0.00114	U	0.00076	U	0.00088	U
Endrin	0.014	89	0.06	-	-	-	-	-	-	-	-	0.00074	U	0.00134	U	0.00078	U	0.00252	U	0.00078	U	0.00164	U	0.00079	U	0.00114	U	0.00076	U	0.00088	U
Endrin aldehyde				-	-	-	-	-	-	-	-	0.00222	U	0.00403	U	0.00235	U	0.00757	U	0.00234	U	0.00493	U	0.00238	U	0.0034	U	0.00228	U	0.00264	U
Endrin ketone				-	-	-	-	-	-	-	-	0.00177	U	0.00322	U	0.00188	U	0.00606	U	0.00187	U	0.00394	U	0.00191	U	0.00272	U	0.00183	U	0.00211	U
Heptachlor	0.042	15	0.38	-	-	-	-	-	-	-	-	0.00089	U	0.00161	U	0.00094	U	0.00303	U	0.00094	U	0.00197	U	0.00095	U	0.00136	U	0.00091	U	0.00105	U
Heptachlor epoxide				-	-	-	-	-	-	-	-	0.00333	U	0.00604	U	0.00352	U	0.0114	U	0.00351	U	0.00739	U	0.00357	U	0.00511	U	0.00343	U	0.00396	U
Lindane	0.1	9.2	0.1	-	-	-	-	-	-	-	-	0.00074	U	0.00134	U	0.00078	U	0.00252	U	0.00078	U	0.00164	U	0.00079	U	0.00114	U	0.00076	U	0.00088	U
Methoxychlor				-	-	-	-	-	-	-	-	0.00333	U	0.00604	U	0.00352	U	0.0114	U	0.00351	U	0.00739	U	0.00357	U	0.00511	U	0.00343	U	0.00396	U
Toxaphene				-	-	-	-	-	-	-	-	0.0333	U	0.0604	U	0.0352	U	0.114	U	0.0351	U	0.0739	U	0.0357	U	0.0511	U	0.0343	U	0.0396	U
trans-Chlordane				-	-	-	-	-	-	-	-	0.00222	U	0.00403	U	0.00235	U	0.00757	U	0.00234	U	0.00493	U	0.00238	U	0.0034	U	0.00228	U	0.00264	U
Total Metals																															
Aluminum, Total				-	-	-	-	-	-	-	-	**2100**		**5930**		**3600**		**10200**		**2690**		**2770**		**4410**		**8100**		**6520**		**3860**	
Antimony, Total				-	-	-	-	-	-	-	-	4.62	U	8.18	U	**1.6**	**J**	**1.74**	**J**	**4.79**	**J**	19.4	U	**2.72**	**J**	6.97	U	**2.36**	**J**	**3.9**	**J**
Arsenic, Total	13	16	16	-	-	-	-	-	-	-	-	**15.6**		**2.24**		**12.6**		**5.49**		**17.3**		**1.14**	**J**	**6.83**		**3.27**		**44.5**	**J**	**8.29**	
Barium, Total	350	400	820	-	-	-	-	-	-	-	-	**31.8**		**33.3**		**213**		**90.8**		**83.2**		**71.7**		**70.2**		**66.9**		**210**	**J**	**99.6**	
Beryllium, Total	7.2	590	47	-	-	-	-	-	-	-	-	**0.433**	**J**	**0.349**	**J**	**0.325**	**J**	**0.632**	**J**	**0.325**	**J**	**0.197**	**J**	**0.326**	**J**	**0.452**	**J**	**1.39**		**0.28**	**J**
Cadmium, Total	2.5	9.3	7.5	-	-	-	-	-	-	-	-	0.924	U	1.64	U	0.911	U	3.02	U	**0.663**	**J**	3.89	U	**0.475**	**J**	**0.153**	**J**	**2.24**	**J**	1.02	U
Calcium, Total				-	-	-	-	-	-	-	-	**4830**		**26600**		**70800**		**146000**		**50700**		**227000**		**20800**		**16100**	**J**	**19000**	**J**	**80700**	
Chromium, Hexavalent	400	19	1	-	-	-	-	-	-	-	-	0.928	U	1.65	U	0.943	U	3.04	UJ	0.959	U	1.98	U	0.963	U	1.45	U	0.957	U	1.07	U
Chromium, Total				-	-	-	-	-	-	-	-	**19.5**		**11.2**		**18.9**		**19.2**		**87.1**		**6.07**		**10.1**		**15.5**		**14.6**		**10.6**	
Cobalt, Total				-	-	-	-	-	-	-	-	**5.39**		**5.43**		**5.33**		**9.28**		**10.5**		**5.05**	**J**	**4.83**		**12.6**	**J**	**6.42**		**4.27**	
Copper, Total	50	270	1720	-	-	-	-	-	-	-	-	**17.4**		**16.2**		**140**		**25.2**		**120**		**11**		**175**		**15**		**273**	**J**	**53.1**	
Cyanide, Total	27	40	27	-	-	-	-	-	-	-	-	**0.52**	**J**	2	U	**0.42**	**J**	3.6	U	**0.27**	**J**	2.3	U	1.1	U	1.7	U	1.1	U	**0.3**	**J**
Iron, Total				-	-	-	-	-	-	-	-	**24500**		**11200**		**33800**		**16500**		**102000**		**8430**		**15800**		**12300**		**13700**		**19300**	
Lead, Total	63	1000	450	-	-	-	-	-	-	-	-	**17.4**		**11**		**128**		**15.2**		**283**		**9.11**	**J**	**288**		**7.54**		**506**	**J**	**1500**	
Magnesium, Total				-	-	-	-	-	-	-	-	**876**		**6480**		**2800**		**11600**		**3260**		**3460**		**4940**		**6910**		**2210**	**J**	**27500**	
Manganese, Total	1600	10000	2000	-	-	-	-	-	-	-	-	**105**		**359**		**378**		**422**		**425**		**552**		**185**		**85.1**		**186**	**J**	**300**	
Mercury, Total	0.18	2.8	0.73	-	-	-	-	-	-	-	-	**0.106**		0.141	U	**0.65**		0.28	U	**0.089**		0.161	U	**3.49**		0.128	U	**0.801**	**J**	**3.67**	
Nickel, Total	30	310	130	-	-	-	-	-	-	-	-	**12.1**		**18.1**		**44.8**		**39.9**		**32.8**		**19.3**		**29.3**		**44**		**15.1**		**9.89**	
Potassium, Total				-	-	-	-	-	-	-	-	**346**		**629**		**608**		**1060**		**221**	**J**	**468**	**J**	**409**		**922**		**552**		**694**	
Selenium, Total	3.9	1500	4	-	-	-	-	-	-	-	-	**0.238**	**J**	**0.45**	**J**	**0.988**	**J**	**2.92**	**J**	**3.52**	**J**	**2.43**	**J**	1.88	U	**1.41**	**J**	**1.12**	**J**	**0.633**	**J**
Silver, Total	2	1500	8.3	-	-	-	-	-	-	-	-	0.462	U	0.818	U	0.455	U	1.51	U	2.3	U	1.94	U	0.47	U	0.697	U	**0.689**		0.508	U
Sodium, Total				-	-	-	-	-	-	-	-	**428**		**539**		**1640**		**664**		**206**	**J**	**308**	**J**	**90.9**	**J**	**242**	**J**	**397**		**242**	
Thallium, Total				-	-	-	-	-	-	-	-	1.85	U	3.27	U	**0.347**	**J**	6.04	U	9.18	U	7.77	U	1.88	U	2.79	U	**0.787**	**J**	2.03	U
Vanadium, Total				-	-	-	-	-	-	-	-	**15.3**		**10.8**		**15.8**		**16.4**		**30.9**		**4.01**		**18.6**		**11.9**		**23.6**		**14.7**	
Zinc, Total	109	10000	2480	-	-	-	-	-	-	-	-	**19.9**		**40.2**		**151**		**50.5**		**117**		**27.8**		**314**		**41.7**		**366**	**J**	**103**	

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-106B FILL		SB-106B NATIVE		SB-106C FILL		SB-106C NATIVE		SB-107 FILL		SB-107 NATIVE		SB-108 FILL		SB-108 NATIVE		SB-109 FILL		SB-109 NATIVE		SB-110 FILL		SB-110 NATIVE		SB-111 FILL		SB-111 NATIVE	
SAMPLING DATE				11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469590-11		L2469590-12		L2469590-13		L2469590-14		L2469590-17		L2469590-18		L2469590-15		L2469590-16		L2469590-19		L2469590-20		L2469590-21		L2469590-22		L2469906-05		L2469906-06	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				1-5		10-12		1-5		10-12		1-6		8-10		0.5-8		8-15		1-5		7-10		1-7		15-20		2-8		9-15	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Perfluorinated Alkyl Acids by EPA 1633																															
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)				-	-	-	-	-	-	-	-	4.98	U	4.98	U	4.97	U	7.6	U	4.95	U	4.99	U	4.91	U	4.98	U	4.93	U	5	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)				-	-	-	-	-	-	-	-	4.98	U	4.98	U	4.97	U	7.6	U	4.95	U	4.99	U	4.91	U	4.98	U	4.93	U	5	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)				-	-	-	-	-	-	-	-	0.997	U	0.997	U	0.994	U	1.52	U	0.991	U	0.999	U	0.982	U	0.996	U	0.987	U	1	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)				-	-	-	-	-	-	-	-	1.99	U	1.99	U	1.99	U	3.04	U	1.98	U	2	U	1.96	U	1.99	U	1.97	U	2	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)				-	-	-	-	-	-	-	-	1.99	U	1.99	U	1.99	U	3.04	U	1.98	U	2	U	1.96	U	1.99	U	1.97	U	2	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)				-	-	-	-	-	-	-	-	0.399	U	0.399	U	0.398	U	0.608	U	0.396	U	0.4	U	0.393	U	0.398	U	0.395	U	0.4	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)				-	-	-	-	-	-	-	-	0.399	U	0.399	U	0.398	U	0.608	U	0.396	U	0.4	U	0.393	U	0.398	U	0.395	U	0.4	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)				-	-	-	-	-	-	-	-	0.399	U	0.399	U	0.398	U	0.608	U	0.396	U	0.4	U	0.393	U	0.398	U	0.395	U	0.4	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)				-	-	-	-	-	-	-	-	0.399	U	0.399	U	0.398	U	0.608	U	0.396	U	0.4	U	0.393	U	0.398	U	0.395	U	0.4	U
Perfluorobutanesulfonic Acid (PFBS)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorobutanoic Acid (PFBA)				-	-	-	-	-	-	-	-	0.797	U	0.798	U	0.795	U	1.22	U	0.793	U	0.799	U	0.785	U	0.797	U	0.79	U	0.8	U
Perfluorodecanesulfonic Acid (PFDS)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorodecanoic Acid (PFDA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorododecanesulfonic Acid (PFDoS)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorododecanoic Acid (PFDoA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluoroheptanesulfonic Acid (PFHpS)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluoroheptanoic Acid (PFHpA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	**0.038**	**J**	0.2	U	**0.024**	**J**	0.199	U	0.197	U	0.2	U
Perfluorohexanesulfonic Acid (PFHxS)				-	-	-	-	-	-	-	-	**0.034**	**J**	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorohexanoic Acid (PFHxA)				-	-	-	-	-	-	-	-	**0.032**	**J**	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	**0.03**	**J**	0.199	U	0.197	U	0.2	U
Perfluorononanesulfonic Acid (PFNS)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorononanoic Acid (PFNA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	**0.056**	**J**	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorooctanesulfonamide (PFOSA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1	-	-	-	-	-	-	-	-	**0.079**	**J**	0.199	U	**0.054**	**J**	0.304	U	**0.209**		**0.141**	**J**	**0.089**	**J**	0.199	U	**0.049**	**J**	0.2	U
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	-	-	-	-	-	-	-	-	**0.059**	**J**	0.199	U	0.199	U	0.304	U	**0.117**	**J**	**0.03**	**J**	**0.071**	**J**	0.199	U	**0.057**	**J**	0.2	U
Perfluoropentanesulfonic Acid (PFPeS)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluoropentanoic Acid (PFPeA)				-	-	-	-	-	-	-	-	0.399	U	0.399	U	0.398	U	0.608	U	0.396	U	0.4	U	0.393	U	0.398	U	0.395	U	0.4	U
Perfluorotetradecanoic Acid (PFTeDA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluorotridecanoic Acid (PFTrDA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U
Perfluoroundecanoic Acid (PFUnA)				-	-	-	-	-	-	-	-	0.199	U	0.199	U	0.199	U	0.304	U	0.198	U	0.2	U	0.196	U	0.199	U	0.197	U	0.2	U

Notes:
- All values are reported in milligrams per kilogram (mg/kg) / parts per million (ppm) except PFAAs which are reported in micrograms per kilogram (µg/kg) / parts per billion (ppb).
- Analytical results compared to New York 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs).
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Red text** indicates analyte exceeds Protection of Groundwater SCO.
- **Blue qualifiers** were applied based on a third party data usability review.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.
- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J+" indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- "I" indicates the lower value for the two columns has been reported due to obvious interference.
- "P" indicates the RPD between the results for the two columns exceeds the method-specified criteria.
- "EMPC" indicates the results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.
- "R" indicates the data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-112 FILL		SB-112 NATIVE		SB-112A FILL		SB-112A NATIVE		SB-112B FILL		SB-112B NATIVE		SB-112C FILL		SB-112C NATIVE		SB-113 FILL		SB-113 NATIVE		SB-114 FILL		SB-114 NATIVE		SB-115 FILL		SB-115 NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469906-07		L2469906-08		L2469906-09		L2469906-10 R1		L2469906-11 R1		L2469906-12 R1		L2469906-13		L2469906-14		L2469906-15		L2469906-16		L2469590-23		L2469590-24		L2469906-17		L2469906-18	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				2-10		11-14		6-8		10-13		7-9		11-13		7-9		11-15		3-10		10-15		1-5		12-20		3-8		13-20	
Analyte	Unrestricted Use SCO	Commercial Use SCO	Protection of Groundwater	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035																															
1,1,1-Trichloroethane	0.68	500	0.68	0.001	U	0.00077	U	0.00094	U	0.00078	UJ	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	**0.0024**		**0.00037**	**J**	0.00084	U	0.00058	U
1,1,2,2-Tetrachloroethane				0.001	UJ	0.00077	U	0.00094	U	0.00078	U	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	0.00066	U	0.00053	U	0.00084	U	0.00058	U
1,1,2-Trichloroethane				0.0021	UJ	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
1,1-Dichloroethane	0.27	240	0.27	0.0021	U	0.0015	U	0.0019	U	0.0016	UJ	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
1,1-Dichloroethene	0.33	500	0.33	0.0021	U	0.0015	U	0.0019	U	0.0016	UJ	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	UJ	0.0023	U	0.0013	U	0.0011	U	0.0017	UJ	0.0012	UJ
1,2,4-Trichlorobenzene				0.0042	R	0.0031	U	0.0038	U	0.0031	U	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	UJ
1,2,4-Trimethylbenzene	3.6	190	3.6	0.0042	R	0.0031	U	0.0038	U	0.0031	U	0.0038	UJ	0.0033	UJ	0.0042	U	**0.003**	J+	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
1,2-Dibromo-3-chloropropane				0.0063	UJ	0.0046	U	0.0056	U	0.0047	U	0.0057	UJ	0.0049	UJ	0.0063	U	0.0036	U	0.0046	U	0.0069	U	0.004	U	0.0032	U	0.005	U	0.0035	U
1,2-Dibromoethane				0.0021	UJ	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
1,2-Dichlorobenzene	1.1	500	1.1	0.0042	R	0.0031	U	0.0038	U	0.0031	U	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
1,2-Dichloroethane	0.02	30	0.02	0.0021	UJ	0.0015	U	0.0019	U	0.0016	UJ	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
1,2-Dichloropropane				0.0021	U	0.0015	U	0.0019	U	0.0016	UJ	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
1,3,5-Trimethylbenzene	8.4	190	8.4	0.0042	UJ	0.0031	U	0.0038	U	0.0031	U	0.0038	UJ	0.0033	UJ	0.0042	U	**0.0004**	J+	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
1,3-Dichlorobenzene	2.4	280	2.4	0.0042	R	0.0031	U	0.0038	U	0.0031	U	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
1,4-Dichlorobenzene	1.8	130	1.8	0.0042	R	0.0031	U	0.0038	U	0.0031	U	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
2-Butanone	0.12	500	0.12	0.021	U	**0.0099**	J+	0.019	U	**0.0072**	J	0.019	UJ	**0.004**	J	0.021	U	0.012	U	0.015	U	0.023	U	0.013	U	0.011	U	0.017	U	0.012	U
2-Hexanone				0.021	UJ	0.015	U	0.019	U	0.016	U	0.019	UJ	0.016	UJ	0.021	U	0.012	U	0.015	U	0.023	U	0.013	U	0.011	U	0.017	U	0.012	U
4-Methyl-2-pentanone				0.021	U	0.015	U	0.019	U	0.016	U	0.019	UJ	0.016	UJ	0.021	U	0.012	U	0.015	U	0.023	U	0.013	U	0.011	U	0.017	U	0.012	U
Acetone	0.05	500	0.05	0.021	U	**0.043**	J+	0.019	U	**0.026**	J	0.019	UJ	**0.019**	J	0.021	U	**0.012**	J+	0.015	U	**0.015**	J+	0.013	U	0.011	U	**0.04**		**0.016**	
Benzene	0.06	44	0.06	0.001	U	0.00077	U	0.00094	U	0.00078	UJ	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	0.00066	U	0.00053	U	**0.0018**		0.00058	U
Bromodichloromethane				0.001	UJ	0.00077	U	0.00094	U	0.00078	UJ	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	0.00066	U	0.00053	U	0.00084	U	0.00058	U
Bromoform				0.0084	UJ	0.0062	U	0.0075	U	0.0063	U	0.0076	UJ	0.0066	UJ	0.0084	U	0.0048	U	0.0061	U	0.0093	U	0.0053	U	0.0043	U	0.0067	U	0.0046	U
Bromomethane				0.0042	U	0.0031	U	0.0038	U	0.0031	UJ	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
Carbon disulfide				0.021	U	0.015	U	0.019	U	0.016	UJ	0.019	UJ	0.016	UJ	0.021	U	0.012	U	0.015	UJ	0.023	U	0.013	U	0.011	U	0.017	UJ	0.012	UJ
Carbon tetrachloride	0.76	22	0.76	0.0021	U	0.0015	U	0.0019	U	0.0016	UJ	0.0019	UJ	0.0016	UJ	**0.00076**	J+	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
Chlorobenzene	1.1	500	1.1	0.001	UJ	0.00077	U	0.00094	U	0.00078	U	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	0.00066	U	0.00053	U	0.00084	U	0.00058	U
Chloroethane				0.0042	U	0.0031	U	0.0038	U	0.0031	UJ	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
Chloroform	0.37	350	0.37	0.0031	UJ	0.0023	U	0.0028	U	0.0023	UJ	0.0028	UJ	0.0024	UJ	0.0031	U	0.0018	U	0.0023	U	0.0035	U	0.002	U	0.0016	U	0.0025	U	0.0017	U
Chloromethane				0.0084	U	0.0062	U	0.0075	U	0.0063	UJ	0.0076	UJ	0.0066	UJ	0.0084	U	0.0048	U	0.0061	U	0.0093	U	0.0053	U	0.0043	U	0.0067	U	0.0046	U
cis-1,2-Dichloroethene	0.25	500	0.25	0.0021	UJ	0.0015	U	0.0019	U	0.0016	UJ	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
cis-1,3-Dichloropropene				0.001	UJ	0.00077	U	0.00094	U	0.00078	UJ	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	0.00066	U	0.00053	U	0.00084	U	0.00058	U
Cyclohexane				0.021	U	0.015	U	0.019	U	0.016	UJ	0.019	UJ	0.016	UJ	0.021	U	0.012	U	0.015	U	0.023	U	0.013	U	0.011	U	**0.013**	J	0.012	U
Dibromochloromethane				0.0021	UJ	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
Dichlorodifluoromethane				0.021	U	0.015	U	0.019	U	0.016	UJ	0.019	UJ	0.016	UJ	0.021	U	0.012	U	0.015	U	0.023	U	0.013	U	0.011	U	0.017	U	0.012	U
Ethylbenzene	1	390	1	0.0021	UJ	0.0015	U	0.0019	U	**0.00056**	J+	0.0019	UJ	0.0016	UJ	0.0021	U	**0.00061**	J+	0.0015	U	0.0023	U	0.0013	U	0.0011	U	**0.00093**	J	0.0012	U
Freon-113				0.0084	U	0.0062	U	0.0075	U	0.0063	UJ	0.0076	UJ	0.0066	UJ	0.0084	U	0.0048	U	0.0061	UJ	0.0093	U	0.0053	U	0.0043	U	0.0067	UJ	0.0046	UJ
Isopropylbenzene				0.0021	UJ	0.0015	U	0.0019	U	**0.0002**	J+	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	**0.00028**	J	0.0012	U
Methyl Acetate				0.0084	UJ	0.0062	U	0.0075	U	0.0063	UJ	0.0076	UJ	0.0066	UJ	0.0084	U	0.0048	U	0.0061	U	0.0093	U	0.0053	U	0.0043	U	0.0067	U	0.0046	U
Methyl cyclohexane				0.0084	U	0.0062	U	**0.0011**	J	**0.0044**	J	0.0076	UJ	0.0066	UJ	0.0084	U	0.0048	U	0.0061	U	**0.002**	J+	0.0053	U	0.0043	U	0.0067	U	0.0046	U
Methyl tert butyl ether	0.93	500	0.93	0.0042	U	0.0031	U	0.0038	U	0.0031	UJ	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
Methylene chloride	0.05	500	0.05	0.01	UJ	0.0077	U	0.0094	U	0.0078	UJ	0.0095	UJ	0.0082	UJ	0.01	U	0.006	U	0.0076	U	0.012	U	0.0066	U	0.0053	U	0.0084	U	0.0058	U
n-Butylbenzene	12	500	12	0.0021	R	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	**0.0051**	J+	0.0015	U	**0.0047**	J+	0.0013	U	0.0011	U	0.0017	U	0.0012	U
n-Propylbenzene	3.9	500	3.9	0.0021	R	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	**0.0027**	J+	0.0015	U	0.0023	U	0.0013	U	0.0011	U	**0.0005**	J	0.0012	U
Naphthalene	12	500	12	0.0084	R	**0.0075**	J+	0.0075	U	**0.031**	J+	0.0076	UJ	0.0066	UJ	0.0084	U	**0.0033**	J+	0.0061	U	**0.007**	J+	0.0053	U	0.0043	U	0.0067	U	0.0046	U
o-Xylene	0.26	500	1.6	0.0021	UJ	0.0015	U	0.0019	U	**0.0013**	J+	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
p-Isopropyltoluene				0.0021	R	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
p/m-Xylene	0.26	500	1.6	0.0042	UJ	0.0031	U	0.0038	U	**0.00088**	J+	0.0038	UJ	0.0033	UJ	0.0042	U	0.0024	U	0.003	U	0.0046	U	0.0027	U	0.0021	U	0.0034	U	0.0023	U
sec-Butylbenzene	11	500	11	0.0021	R	**0.00045**	J+	0.0019	U	**0.01**	J+	0.0019	UJ	0.0016	UJ	0.0021	U	**0.0042**	J+	0.0015	U	**0.009**	J+	0.0013	U	0.0011	U	0.0017	U	0.0012	U
Styrene				0.0021	R	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
tert-Butylbenzene	5.9	500	5.9	0.0042	UJ	**0.0019**	J+	0.0038	U	**0.029**	J+	0.0038	UJ	0.0033	UJ	0.0042	U	**0.022**	J+	0.003	U	**0.014**	J+	0.0027	U	0.0021	U	0.0034	U	0.0023	U
Tetrachloroethene	1.3	150	1.3	0.001	UJ	0.00077	U	0.00094	U	0.00078	U	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	**0.0013**		**0.00057**		0.00084	U	0.00058	U
Toluene	0.7	500	0.7	0.0021	UJ	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	**0.0015**	J	0.0012	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.0031	UJ	0.0023	U	0.0028	UJ	0.0023	U	0.0028	UJ	0.0024	UJ	0.0031	UJ	0.0018	U	0.0023	U	0.0035	U	0.002	U	0.0016	U	0.0025	U	0.0017	U
trans-1,3-Dichloropropene				0.0021	R	0.0015	U	0.0019	U	0.0016	U	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
Trichloroethene	0.47	200	0.47	0.001	UJ	0.00077	U	0.00094	U	0.00078	UJ	0.00095	UJ	0.00082	UJ	0.001	U	0.0006	U	0.00076	U	0.0012	U	0.00066	U	0.00053	U	0.00084	U	0.00058	U
Trichlorofluoromethane				0.0084	U	0.0062	U	0.0075	U	0.0063	UJ	0.0076	UJ	0.0066	UJ	0.0084	U	0.0048	U	0.0061	UJ	0.0093	U	0.0053	U	0.0043	U	0.0067	UJ	0.0046	UJ
Vinyl chloride	0.02	13	0.02	0.0021	U	0.0015	U	0.0019	U	0.0016	UJ	0.0019	UJ	0.0016	UJ	0.0021	U	0.0012	U	0.0015	U	0.0023	U	0.0013	U	0.0011	U	0.0017	U	0.0012	U
Total TIC Compounds				**0.00658**	**J**	**3.61**	**J**	**0.0564**	**J**	**3.8**	**J**	**0.0488**	**J**	**0.0415**	**J**	**0.057**	**J**	**1.35**	**J**	0	U	**3.45**	**J**	0	U	0	U	**0.254**	**J**	0	U

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-112 FILL		SB-112 NATIVE		SB-112A FILL		SB-112A NATIVE		SB-112B FILL		SB-112B NATIVE		SB-112C FILL		SB-112C NATIVE		SB-113 FILL		SB-113 NATIVE		SB-114 FILL		SB-114 NATIVE		SB-115 FILL		SB-115 NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469906-07		L2469906-08		L2469906-09		L2469906-10 R1		L2469906-11 R1		L2469906-12 R1		L2469906-13		L2469906-14		L2469906-15		L2469906-16		L2469590-23		L2469590-24		L2469906-17		L2469906-18	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				2-10		11-14		6-8		10-13		7-9		11-13		7-9		11-15		3-10		10-15		1-5		12-20		3-8		13-20	
Analyte	Unrestricted Use SCO	Commercial Use SCO	Protection of Groundwater	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High																															
1,1,1-Trichloroethane	0.68	500	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.27	240	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	0.33	500	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	3.6	190	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.02	30	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	8.4	190	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	280	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	130	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	0.12	500	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	44	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	0.76	22	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	0.37	350	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.25	500	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	390	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon-113				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether	0.93	500	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	3.9	500	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyltoluene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	11	500	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5.9	500	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1.3	150	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	0.7	500	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	0.19	500	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	200	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	13	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-112 FILL		SB-112 NATIVE		SB-112A FILL		SB-112A NATIVE		SB-112B FILL		SB-112B NATIVE		SB-112C FILL		SB-112C NATIVE		SB-113 FILL		SB-113 NATIVE		SB-114 FILL		SB-114 NATIVE		SB-115 FILL		SB-115 NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469906-07		L2469906-08		L2469906-09		L2469906-10 R1		L2469906-11 R1		L2469906-12 R1		L2469906-13		L2469906-14		L2469906-15		L2469906-16		L2469590-23		L2469590-24		L2469906-17		L2469906-18	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				2-10		11-14		6-8		10-13		7-9		11-13		7-9		11-15		3-10		10-15		1-5		12-20		3-8		13-20	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Semivolatile Organics by GC/MS																															
1,2,4,5-Tetrachlorobenzene				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
1,4-Dioxane	0.1	130	0.1	0.14	U	0.031	U	0.027	U	0.033	U	0.028	U	0.033	U	0.034	U	0.026	U	0.029	U	0.036	U	0.031	U	0.03	U	0.029	U	0.032	U
2,3,4,6-Tetrachlorophenol				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2,4,5-Trichlorophenol				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2,4,6-Trichlorophenol				0.55	U	0.12	U	0.11	U	0.13	U	0.11	U	0.13	U	0.13	U	0.1	U	0.12	U	0.14	U	0.12	U	0.12	U	0.12	U	0.13	U
2,4-Dichlorophenol				0.83	U	0.18	U	0.16	U	0.2	U	0.17	U	0.2	U	0.2	U	0.16	U	0.17	U	0.22	U	0.19	U	0.18	U	0.17	U	0.19	U
2,4-Dimethylphenol				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2,4-Dinitrophenol				4.4	R	0.99	U	0.87	U	1.1	U	0.89	U	1.1	U	1.1	U	0.84	U	0.92	U	1.2	U	1	U	0.97	U	0.92	U	1	R
2,4-Dinitrotoluene				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2,6-Dinitrotoluene				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2-Chloronaphthalene				0.92	U	0.21	U	**0.02**	**J**	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2-Chlorophenol				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2-Methylnaphthalene				**1.4**		**0.47**		**0.53**		**0.31**		**1.7**		**0.4**		**1.6**		**0.36**		**0.92**		**0.3**		**0.82**		0.24	U	**0.069**	**J**	0.25	U
2-Methylphenol	0.33	500	0.33	0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2-Nitroaniline				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
2-Nitrophenol				2	U	0.44	U	0.39	U	0.48	U	0.4	U	0.48	U	0.48	U	0.38	U	0.42	U	0.52	U	0.45	U	0.44	U	0.41	U	0.46	U
3,3'-Dichlorobenzidine				0.92	R	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	**0.16**	**J**	0.3	U	0.26	U	0.32	U	0.27	U	**0.054**	**J**	0.32	U	0.25	U	**0.059**	**J**	0.34	U	**0.086**	**J**	0.29	U	0.28	U	0.3	U
3-Nitroaniline				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
4,6-Dinitro-o-cresol				2.4	R	0.54	U	0.47	U	0.58	U	0.48	U	0.58	U	0.58	U	0.46	U	0.5	U	0.62	U	0.54	U	0.52	U	0.5	U	0.55	U
4-Bromophenyl phenyl ether				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
4-Chloroaniline				0.92	R	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
4-Chlorophenyl phenyl ether				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
4-Nitroaniline				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
4-Nitrophenol				1.3	U	0.29	U	0.25	U	0.31	U	0.26	U	0.31	U	0.31	U	0.25	U	0.27	U	0.34	U	0.29	U	0.28	U	0.27	U	0.3	U
Acenaphthene	20	500	98	**0.61**	**J**	**0.34**		0.14	U	0.18	U	0.15	U	**0.089**	**J**	**0.23**		**0.52**		**0.14**	**J**	**0.57**		**0.11**	**J**	0.16	U	**0.074**	**J**	**0.033**	**J**
Acenaphthylene	100	500	107	**11**		**0.52**		0.14	U	0.18	U	**0.029**	**J**	0.18	U	0.18	U	0.14	U	**0.51**		0.19	U	**1.8**		0.16	U	**0.27**		**0.18**	
Acetophenone				**0.66**	**J**	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	**0.16**	**J**	0.2	U	0.19	U	0.21	U
Anthracene	100	500	1000	**5**		**0.37**		0.11	U	0.13	U	**0.037**	**J**	**0.067**	**J**	**0.56**		**0.6**		**0.47**		**0.6**		**1.3**		0.12	U	0.067	J	0.13	U
Atrazine				0.74	U	0.16	U	0.14	U	0.18	U	0.15	U	0.18	U	0.18	U	0.14	U	0.15	U	0.19	U	0.17	U	0.16	U	0.15	U	0.17	U
Benzaldehyde				**0.8**	**J**	0.27	U	0.24	U	0.29	U	0.24	U	0.29	U	0.3	U	0.23	U	0.25	U	0.32	U	0.28	U	0.26	U	0.25	U	0.28	U
Benzo(a)anthracene	1	5.6	1	**9.4**		**0.14**		**0.12**		**0.33**		**0.26**		**0.12**	**J**	**0.11**	**J**	**0.095**	**J**	**1.6**		**0.21**		**3.6**		0.12	U	**0.19**		0.13	U
Benzo(a)pyrene	1	1	22	**9.9**		**0.47**		**0.21**		**0.56**		**0.28**		**0.062**	**J**	**0.077**	**J**	**0.12**	**J**	**1.5**		**0.17**	**J**	**4.4**		0.16	U	**0.43**		0.17	U
Benzo(b)fluoranthene	1	5.6	1.7	**13**		**0.24**		**0.21**		**0.76**		**0.42**		**0.17**		**0.14**		**0.15**		**2.2**		**0.24**		**5.6**		0.12	U	**0.45**		0.13	U
Benzo(ghi)perylene	100	500	1000	**7.4**		**2.5**		**0.35**		**0.9**		**0.37**		**0.14**	**J**	**0.08**	**J**	**0.14**		**1.2**		**0.21**		**3.4**		0.16	U	**1.6**		**0.41**	
Benzo(k)fluoranthene	0.8	56	1.7	**3.4**		**0.12**		**0.06**	**J**	**0.2**		**0.12**		0.13	U	0.13	U	**0.042**	**J**	**0.58**		**0.054**	**J**	**2**		0.12	U	**0.13**		0.13	U
Biphenyl				**0.17**	**J**	**0.13**	**J**	**0.06**	**J**	**0.04**	**J**	**0.17**	**J**	**0.14**	**J**	**0.22**	**J**	**0.11**	**J**	**0.12**	**J**	0.55	U	**0.082**	**J**	0.46	U	0.44	U	0.48	U
Bis(2-chloroethoxy)methane				1	U	0.22	U	0.2	U	0.24	U	0.2	U	0.24	U	0.24	U	0.19	U	0.21	U	0.26	U	0.23	U	0.22	U	0.21	U	0.23	U
Bis(2-chloroethyl)ether				0.83	U	0.18	U	0.16	U	0.2	U	0.17	U	0.2	U	0.2	U	0.16	U	0.17	U	0.22	U	0.19	U	0.18	U	0.17	U	0.19	U
Bis(2-chloroisopropyl)ether				1.1	U	0.25	U	0.22	U	0.27	U	0.22	U	0.27	U	0.27	U	0.21	U	0.23	U	0.29	U	0.25	U	0.24	U	0.23	U	0.25	U
Bis(2-ethylhexyl)phthalate				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Butyl benzyl phthalate				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Caprolactam				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Carbazole				**0.36**	**J**	0.21	U	0.18	U	0.22	U	**0.03**	**J**	0.22	U	0.22	U	0.18	U	**0.2**		0.24	U	**0.24**		0.2	U	**0.025**	**J**	0.21	U
Chrysene	1	56	1	**9.7**		**0.11**	**J**	**0.14**		**0.39**		**0.31**		**0.39**		**0.18**		**0.1**		**1.9**		**0.24**		**3.5**		0.12	U	**0.2**		0.13	U
Di-n-butylphthalate				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Di-n-octylphthalate				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	**1.7**		**0.65**		**0.03**	**J**	**0.12**	**J**	**0.049**	**J**	**0.047**	**J**	0.13	U	0.1	U	**0.31**		**0.038**	**J**	**0.76**		0.12	U	**0.16**		0.13	U
Dibenzofuran	7	350	210	**0.49**	**J**	0.21	U	**0.13**	**J**	**0.093**	**J**	**0.36**		**0.07**	**J**	**0.28**		**0.16**	**J**	**0.24**		**0.15**	**J**	**0.27**		0.2	U	**0.033**	**J**	0.21	U
Diethyl phthalate				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Dimethyl phthalate				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Fluoranthene	100	500	1000	**9.5**		**0.24**		**0.14**		**0.28**		**0.33**		**0.11**	**J**	**0.3**		**0.29**		**2.5**		**0.71**		**4.7**		0.12	U	**0.26**		0.13	U
Fluorene	30	500	386	**1.6**		0.21	U	**0.029**	**J**	**0.03**	**J**	**0.049**	**J**	**0.19**	**J**	**0.49**		**0.2**		**0.14**	**J**	**0.4**		**0.24**		0.2	U	0.19	U	0.21	U
Hexachlorobenzene	0.33	6	3.2	0.55	U	0.12	U	0.11	U	0.13	U	0.11	U	0.13	U	0.13	U	0.1	U	0.12	U	0.14	U	0.12	U	0.12	U	0.12	U	0.13	U
Hexachlorobutadiene				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Hexachlorocyclopentadiene				2.6	R	0.59	UJ	0.52	U	0.63	U	0.53	U	0.64	U	0.64	U	0.5	U	0.55	U	0.69	U	0.6	U	0.58	U	0.55	U	0.6	R
Hexachloroethane				0.74	U	0.16	U	0.14	U	0.18	U	0.15	U	0.18	U	0.18	U	0.14	U	0.15	U	0.19	U	0.17	U	0.16	U	0.15	U	0.17	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	**6.3**		**1.6**		**0.23**		**0.7**		**0.29**		**0.038**	**J**	**0.064**	**J**	**0.11**	**J**	**1**		**0.14**	**J**	**3.3**		0.16	U	**0.8**		**0.15**	**J**
Isophorone				0.83	U	0.18	U	0.16	U	0.2	U	0.17	U	0.2	U	0.2	U	0.16	U	0.17	U	0.22	U	0.19	U	0.18	U	0.17	U	0.19	U
n-Nitrosodi-n-propylamine				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Naphthalene	12	500	12	**2.9**		**0.45**		**0.29**		**0.18**	**J**	**0.88**		**0.23**		**1.1**		**0.38**		**0.73**		**0.14**	**J**	**1.1**		0.2	U	**0.062**	**J**	0.21	U
NDPA/DPA				0.74	U	0.16	U	0.14	U	0.18	U	0.15	U	0.18	U	0.18	U	0.14	U	0.15	U	0.19	U	0.17	U	0.16	U	0.15	U	0.17	U
Nitrobenzene				0.83	U	0.18	U	0.16	U	0.2	U	0.17	U	0.2	U	0.2	U	0.16	U	0.17	U	0.22	U	0.19	U	0.18	U	0.17	U	0.19	U
p-Chloro-m-cresol				0.92	U	0.21	U	0.18	U	0.22	U	0.18	U	0.22	U	0.22	U	0.18	U	0.19	U	0.24	U	0.21	U	0.2	U	0.19	U	0.21	U
Pentachlorophenol	0.8	6.7	0.8	0.74	U	0.16	U	0.14	U	0.18	U	0.15	U	0.18	U	0.18	U	0.14	U	0.15	U	0.19	U	0.17	U	0.16	U	**0.063**	**J**	0.17	U
Phenanthrene	100	500	1000	**4**		**0.26**		**0.34**		**0.35**		**0.73**		**0.6**		**0.5**		**0.22**		**1.8**		**0.99**		**1.7**		0.12	U	**0.22**		0.13	U
Phenol	0.33	500	0.33	**0.15**	**J**	0.21	U	0.18	U	0.22	U	0.18	U	0.046	J	0.22	U	0.18	U	**0.035**	**J**	0.24	U	**0.056**	**J**	0.2	U	0.19	U	0.21	U
Pyrene	100	500	1000	**14**		**0.3**		**0.17**		**0.31**		**0.35**		**0.16**		**0.65**		**0.58**		**2.4**		**0.78**		**4.8**		0.12	U	**0.3**		**0.022**	**J**
Total TIC Compounds				**49.4**	**J**	**19.1**	**J**	**6.58**	**J**	**7.59**	**J**	**11.6**	**J**	**7.61**	**J**	**25.3**	**J**	**19.7**	**J**	**12.6**	**J**	**31.8**	**J**	**17.2**	**J**	0	U	**0.326**	**J**	0	U
Petroleum Hydrocarbon Quantitation																															
TPH (C10-C36)				**2740**		-	-	-	-	-	-	-	-	-	-	-	-	-	-	**337**		-	-	**890**		-	-	**26.8**	**J**	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-112 FILL		SB-112 NATIVE		SB-112A FILL		SB-112A NATIVE		SB-112B FILL		SB-112B NATIVE		SB-112C FILL		SB-112C NATIVE		SB-113 FILL		SB-113 NATIVE		SB-114 FILL		SB-114 NATIVE		SB-115 FILL		SB-115 NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469906-07		L2469906-08		L2469906-09		L2469906-10 R1		L2469906-11 R1		L2469906-12 R1		L2469906-13		L2469906-14		L2469906-15		L2469906-16		L2469590-23		L2469590-24		L2469906-17		L2469906-18	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				2-10		11-14		6-8		10-13		7-9		11-13		7-9		11-15		3-10		10-15		1-5		12-20		3-8		13-20	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Polychlorinated Biphenyls by GC																															
Aroclor 1016	0.1	1	3.2	0.0563	U	0.0611	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	0.0699	U	0.0602	U	0.0598	U	0.0549	U	0.0591	U
Aroclor 1221	0.1	1	3.2	0.0563	U	0.0611	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	0.0699	U	0.0602	U	0.0598	U	0.0549	U	0.0591	U
Aroclor 1232	0.1	1	3.2	0.0563	U	0.0611	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	0.0699	U	0.0602	U	0.0598	U	0.0549	U	0.0591	U
Aroclor 1242	0.1	1	3.2	0.0563	U	0.0611	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	0.0699	U	0.0602	U	0.0598	U	0.0549	U	0.0591	U
Aroclor 1248	0.1	1	3.2	0.0563	U	0.0611	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	0.0699	U	0.0602	U	0.0598	U	0.0549	U	0.0591	U
Aroclor 1254	0.1	1	3.2	0.0563	U	**0.0087**	**J**	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	0.0699	U	0.0602	U	0.0598	U	**0.00962**	**J**	0.0591	U
Aroclor 1260	0.1	1	3.2	0.145	UJ	0.0611	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	0.0699	U	**0.0859**		0.0598	U	0.0549	U	0.0591	U
Aroclor 1262	0.1	1	3.2	0.0563	U	0.0611	U	-	-	-	-	-	-	-	-	-	-	-	-	**0.112**		0.0699	U	0.0602	U	0.0598	U	0.0549	U	0.0591	U
Aroclor 1268	0.1	1	3.2	0.0563	U	**0.023**	**J**	-	-	-	-	-	-	-	-	-	-	-	-	0.0552	U	**0.02**	**J**	0.0602	U	0.0598	U	**0.035**	**J**	0.0591	U
PCBs, Total	0.1	1	3.2	0.145	UJ	**0.0317**	**J**	-	-	-	-	-	-	-	-	-	-	-	-	**0.112**		**0.02**	**J**	**0.0859**		0.0598	U	**0.0446**	**J**	0.0591	U
Chlorinated Herbicides by GC																															
2,4,5-T				0.19	U	0.206	U	-	-	-	-	-	-	-	-	-	-	-	-	0.19	U	0.24	U	0.209	U	0.201	U	0.193	U	0.208	U
2,4,5-TP (Silvex)	3.8	500	3.8	0.19	U	0.206	U	-	-	-	-	-	-	-	-	-	-	-	-	0.19	U	0.24	U	0.209	U	0.201	U	0.193	U	0.208	U
2,4-D				0.19	U	0.206	U	-	-	-	-	-	-	-	-	-	-	-	-	0.19	U	0.24	U	0.209	U	0.201	U	0.193	U	0.208	U
Organochlorine Pesticides by GC																															
4,4'-DDD	0.0033	92	14	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
4,4'-DDE	0.0033	62	17	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
4,4'-DDT	0.0033	47	136	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	**0.00422**		0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
Aldrin	0.005	0.68	0.19	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
Alpha-BHC	0.02	3.4	0.02	0.00072	UJ	0.00083	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00075	U	0.00096	U	0.00081	U	0.00079	U	0.00077	U	0.00084	U
Beta-BHC	0.036	3	0.09	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
Chlordane				0.0144	UJ	0.0166	U	-	-	-	-	-	-	-	-	-	-	-	-	0.015	U	0.0191	U	0.0162	U	0.0158	U	0.0155	U	0.0167	U
cis-Chlordane	0.094	24	2.9	0.00216	UJ	0.00249	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00225	U	0.00287	U	0.00243	U	0.00237	U	0.00232	U	0.00251	U
Delta-BHC	0.04	500	0.25	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
Dieldrin	0.005	1.4	0.1	0.00108	UJ	0.00125	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00113	U	0.00143	U	0.00121	U	0.00119	U	0.00116	U	0.00125	U
Endosulfan I	2.4	200	102	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
Endosulfan II	2.4	200	102	0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
Endosulfan sulfate	2.4	200	1000	0.00072	UJ	0.00083	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00075	U	0.00096	U	0.00081	U	0.00079	U	0.00077	U	0.00084	U
Endrin	0.014	89	0.06	0.00072	UJ	0.00083	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00075	U	0.00096	U	0.00081	U	0.00079	U	0.00077	U	0.00084	U
Endrin aldehyde				0.00216	UJ	0.00249	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00225	U	0.00287	U	0.00243	U	0.00237	U	0.00232	U	0.00251	U
Endrin ketone				0.00172	UJ	0.00199	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0018	U	0.00229	U	0.00194	U	0.0019	U	0.00186	U	0.002	U
Heptachlor	0.042	15	0.38	0.00086	UJ	0.001	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0009	U	0.00115	U	0.00097	U	0.00095	U	0.00093	U	0.001	U
Heptachlor epoxide				0.00323	UJ	0.00374	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00338	U	0.0043	U	0.00364	U	0.00356	U	0.00348	U	0.00376	U
Lindane	0.1	9.2	0.1	0.00072	UJ	0.00083	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00075	U	0.00096	U	0.00081	U	0.00079	U	0.00077	U	0.00084	U
Methoxychlor				0.00323	UJ	0.00374	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00338	U	0.0043	U	0.00364	U	0.00356	U	0.00348	U	0.00376	U
Toxaphene				0.0323	UJ	0.0374	U	-	-	-	-	-	-	-	-	-	-	-	-	0.0338	U	0.043	U	0.0364	U	0.0356	U	0.0348	U	0.0376	U
trans-Chlordane				0.00216	UJ	0.00249	U	-	-	-	-	-	-	-	-	-	-	-	-	0.00225	U	0.00287	U	0.00243	U	0.00237	U	0.00232	U	0.00251	U
Total Metals																															
Aluminum, Total				**4310**		**3220**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2700**		**3700**		**7330**		**8080**		**4420**		**11000**	
Antimony, Total				**0.449**	**J**	9.78	U	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.922**	**J**	**5.37**	**J**	4.77	U	7.9	U	**0.466**	**J**	5.03	U
Arsenic, Total	13	16	16	**16.9**		**7.14**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**30.2**		**21.6**		**3.27**		**2.94**		**19.6**		**5.13**	
Barium, Total	350	400	820	**76.6**		**42**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**90.4**		**74**		**64.1**		**88.3**		**146**		**87.4**	
Beryllium, Total	7.2	590	47	**0.442**	**J**	**0.413**	**J**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.314**	**J**	**1.03**	**J**	**0.352**	**J**	**0.579**	**J**	**0.715**		**0.531**	
Cadmium, Total	2.5	9.3	7.5	**5.17**		1.96	U	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	0.905	U	2.88	U	0.953	U	1.58	U	**0.239**	**J**	1.01	U
Calcium, Total				**2340**		**157000**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**19300**		**7870**		**66000**		**34500**		**15200**		**63800**	
Chromium, Hexavalent	400	19	1	0.916	U	1.01	U	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	0.93	U	1.17	U	1.01	U	0.982	U	0.944	U	1.03	UJ
Chromium, Total				**6.49**		**19.9**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**25.1**		**197**		**11.4**		**15.3**		**31**		**18**	
Cobalt, Total				**11**		**4.15**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.34**		**8.21**		**5.48**		**6.32**		**8.47**		**9.34**	
Copper, Total	50	270	1720	**21.1**		**46.2**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**52.3**		**81.8**		**16.3**		**22.7**		**89.7**		**20.8**	
Cyanide, Total	27	40	27	**1.3**		1.2	U	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.36**	**J**	1.4	U	**0.28**	**J**	1.2	U	**0.4**	**J**	1.2	U
Iron, Total				**14900**		**23800**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**34400**		**124000**		**12600**		**12800**		**40100**		**21900**	
Lead, Total	63	1000	450	**6.92**		**91.1**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**91.1**		**482**		**9.27**		**8.86**		**105**		**8.54**	
Magnesium, Total				**1450**	**J**	**14000**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2500**		**1450**		**18400**		**8750**		**2660**		**17700**	
Manganese, Total	1600	10000	2000	**370**		**262**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**224**		**1030**		**265**		**103**		**307**		**373**	
Mercury, Total	0.18	2.8	0.73	**0.089**	**U**	**0.648**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.089**		0.097	U	0.082	U	0.162	U	**0.096**		0.1	U
Nickel, Total	30	310	130	**20.7**		**10.2**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**14.6**		**20**		**15.3**		**30.1**		**19.8**		**21.6**	
Potassium, Total				**519**		**376**	**J**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**626**		**337**	**J**	**864**		**905**		**379**		**1510**	
Selenium, Total	3.9	1500	4	**0.285**	**J**	**9.31**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.4**	**J**	**1.96**	**J**	1.91	U	**1.03**	**J**	**0.788**	**J**	2.01	U
Silver, Total	2	1500	8.3	0.448	U	0.978	U	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.293**	**J**	**0.833**	**J**	0.477	U	0.79	U	**0.291**	**J**	0.503	U
Sodium, Total				**87.7**	**J**	**123**	**J**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**114**	**J**	**317**	**J**	**186**	**J**	**293**	**J**	**87.4**	**J**	**279**	
Thallium, Total				**1.2**	**J**	3.91	U	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.636**	**J**	**0.973**	**J**	1.91	U	3.16	U	**0.519**	**J**	**0.631**	**J**
Vanadium, Total				**12.1**		**29.7**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**22**		**221**		**12.9**		**12.7**		**19.6**		**25.5**	
Zinc, Total	109	10000	2480	**291**		**63.7**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**86.2**		**54.2**		**28.4**		**41.2**		**89.6**		**45.7**	

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-112 FILL		SB-112 NATIVE		SB-112A FILL		SB-112A NATIVE		SB-112B FILL		SB-112B NATIVE		SB-112C FILL		SB-112C NATIVE		SB-113 FILL		SB-113 NATIVE		SB-114 FILL		SB-114 NATIVE		SB-115 FILL		SB-115 NATIVE	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/25/2024		11/26/2024		11/26/2024	
LAB SAMPLE ID				L2469906-07		L2469906-08		L2469906-09		L2469906-10 R1		L2469906-11 R1		L2469906-12 R1		L2469906-13		L2469906-14		L2469906-15		L2469906-16		L2469590-23		L2469590-24		L2469906-17		L2469906-18	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				2-10		11-14		6-8		10-13		7-9		11-13		7-9		11-15		3-10		10-15		1-5		12-20		3-8		13-20	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Perfluorinated Alkyl Acids by EPA 1633																															
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)				0.797	U	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	0.802	U	0.802	U	0.798	U	0.798	U	0.796	U	0.801	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)				0.797	U	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	0.802	U	0.802	U	0.798	U	0.798	U	0.796	U	0.801	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)				0.797	U	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	0.802	U	0.802	U	0.798	U	0.798	U	0.796	U	0.801	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)				0.797	U	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	0.802	U	0.802	U	0.798	U	0.798	U	0.796	U	0.801	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)				4.98	U	5.01	U	-	-	-	-	-	-	-	-	-	-	-	-	5.01	U	5.01	U	4.98	U	4.99	U	4.98	U	5	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)				4.98	U	**1.17**	**EMPC**	-	-	-	-	-	-	-	-	-	-	-	-	5.01	U	5.01	U	4.98	U	4.99	U	4.98	U	5	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)				0.996	U	1	U	-	-	-	-	-	-	-	-	-	-	-	-	1	U	1	U	0.997	U	0.998	U	0.995	U	1	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)				0.797	U	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	0.802	U	0.802	U	0.798	U	0.798	U	0.796	U	0.801	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)				0.797	U	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	0.802	U	0.802	U	0.798	U	0.798	U	0.796	U	0.801	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)				0.797	U	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	0.802	U	0.802	U	0.798	U	0.798	U	0.796	U	0.801	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)				1.99	U	2	U	-	-	-	-	-	-	-	-	-	-	-	-	2	U	2	U	1.99	U	2	U	1.99	U	2	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)				1.99	U	2	U	-	-	-	-	-	-	-	-	-	-	-	-	2	U	2	U	1.99	U	2	U	1.99	U	2	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)				0.398	U	0.401	U	-	-	-	-	-	-	-	-	-	-	-	-	0.401	U	0.401	U	0.399	U	0.399	U	0.398	U	0.4	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)				0.398	U	0.401	U	-	-	-	-	-	-	-	-	-	-	-	-	0.401	U	0.401	U	0.399	U	0.399	U	0.398	U	0.4	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)				0.398	U	0.401	U	-	-	-	-	-	-	-	-	-	-	-	-	0.401	U	0.401	U	0.399	U	0.399	U	0.398	U	0.4	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)				0.398	U	0.401	U	-	-	-	-	-	-	-	-	-	-	-	-	0.401	U	0.401	U	0.399	U	0.399	U	0.398	U	0.4	U
Perfluorobutanesulfonic Acid (PFBS)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorobutanoic Acid (PFBA)				**0.053**	**J**	0.802	U	-	-	-	-	-	-	-	-	-	-	-	-	**0.033**	**J**	0.802	U	**0.058**	**J**	0.798	U	**0.057**	**J**	0.801	U
Perfluorodecanesulfonic Acid (PFDS)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorodecanoic Acid (PFDA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	**0.058**	**J**	0.2	U	0.199	U	0.2	U
Perfluorododecanesulfonic Acid (PFDoS)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorododecanoic Acid (PFDoA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluoroheptanesulfonic Acid (PFHpS)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluoroheptanoic Acid (PFHpA)				**0.037**	**J**	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	**0.135**	**J**	0.2	U	0.199	U	0.2	U
Perfluorohexanesulfonic Acid (PFHxS)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorohexanoic Acid (PFHxA)				**0.048**	**J**	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	**0.017**	**J**	0.2	U	**0.113**	**J**	0.2	U	0.199	U	0.2	U
Perfluorononanesulfonic Acid (PFNS)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorononanoic Acid (PFNA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	**0.065**	**J**	0.2	U	0.199	U	0.2	U
Perfluorooctanesulfonamide (PFOSA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1	**0.157**	**J**	**0.051**	**J**	-	-	-	-	-	-	-	-	-	-	-	-	**0.073**	**J**	0.2	U	**0.251**		**0.032**	**J**	0.199	U	0.2	U
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	**0.095**	**J**	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	**0.176**	**J**	0.2	U	**0.175**	**J**	0.2	U	0.199	U	0.2	U
Perfluoropentanesulfonic Acid (PFPeS)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluoropentanoic Acid (PFPeA)				0.398	U	0.401	U	-	-	-	-	-	-	-	-	-	-	-	-	0.401	U	0.401	U	**0.21**	**J**	0.399	U	0.398	U	0.4	U
Perfluorotetradecanoic Acid (PFTeDA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluorotridecanoic Acid (PFTrDA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	0.199	U	0.2	U	0.199	U	0.2	U
Perfluoroundecanoic Acid (PFUnA)				0.199	U	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U	0.2	U	**0.021**	**J**	0.2	U	0.199	U	0.2	U

Notes:
- All values are reported in milligrams per kilogram (mg/kg) / parts per million (ppm) except PFAAs which are reported in micrograms per kilogram (µg/kg) / parts per billion (ppb).
- Analytical results compared to New York 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs).
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Red text** indicates analyte exceeds Protection of Groundwater SCO.
- **Blue qualifiers** were applied based on a third party data usability review.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.
- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J+" indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- "I" indicates the lower value for the two columns has been reported due to obvious interference.
- "P" indicates the RPD between the results for the two columns exceeds the method-specified criteria.
- "EMPC" indicates the results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.
- "R" indicates the data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-116 FILL		SB-116 NATIVE		SB-117 FILL		SB-117 NATIVE		SB-118 FILL		SB-118 NATIVE		DUP-02 (SB-110 NATIVE)		DUP-03 (SB-111 FILL)	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/26/2024	
LAB SAMPLE ID				L2469906-19		L2469906-20		L2469906-21		L2469906-22		L2469906-23		L2469906-24		L2469590-25		L2469906-25	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-7		7-10		3-7		12-15		1-5		10-14		15-20		2-8	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by EPA 5035																			
1,1,1-Trichloroethane	0.68	500	0.68	0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
1,1,2,2-Tetrachloroethane				0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
1,1,2-Trichloroethane				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
1,1-Dichloroethane	0.27	240	0.27	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
1,1-Dichloroethene	0.33	500	0.33	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	UJ
1,2,4-Trichlorobenzene				0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
1,2,4-Trimethylbenzene	3.6	190	3.6	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
1,2-Dibromo-3-chloropropane				0.0031	U	0.018	U	0.0045	U	0.006	U	0.0089	U	0.0057	U	0.0076	U	0.0045	U
1,2-Dibromoethane				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
1,2-Dichlorobenzene	1.1	500	1.1	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
1,2-Dichloroethane	0.02	30	0.02	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
1,2-Dichloropropane				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
1,3,5-Trimethylbenzene	8.4	190	8.4	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
1,3-Dichlorobenzene	2.4	280	2.4	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
1,4-Dichlorobenzene	1.8	130	1.8	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
2-Butanone	0.12	500	0.12	0.01	U	0.059	U	0.015	U	**0.066**		**0.19**		0.019	U	0.025	U	0.015	U
2-Hexanone				0.01	U	0.059	U	0.015	U	0.02	U	0.03	U	0.019	U	0.025	U	0.015	U
4-Methyl-2-pentanone				0.01	U	0.059	U	0.015	U	0.02	U	0.03	U	0.019	U	0.025	U	0.015	U
Acetone	0.05	500	0.05	**0.0091**	**J**	**0.11**		0.015	U	**0.31**		**0.77**		0.019	U	**0.019**	**J**	0.015	U
Benzene	0.06	44	0.06	0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
Bromodichloromethane				0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
Bromoform				0.0041	U	0.024	U	0.0059	U	0.008	U	0.012	U	0.0076	U	0.01	U	0.006	U
Bromomethane				0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
Carbon disulfide				0.01	U	0.059	U	0.015	U	0.02	U	**0.02**	**J**	0.019	U	0.025	U	0.015	UJ
Carbon tetrachloride	0.76	22	0.76	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Chlorobenzene	1.1	500	1.1	0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
Chloroethane				0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
Chloroform	0.37	350	0.37	0.0016	U	0.0088	U	0.0022	U	0.003	U	0.0044	U	0.0029	U	0.0038	U	0.0022	U
Chloromethane				0.0041	U	0.024	U	0.0059	U	0.008	U	0.012	U	0.0076	U	0.01	U	0.006	U
cis-1,2-Dichloroethene	0.25	500	0.25	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
cis-1,3-Dichloropropene				0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
Cyclohexane				0.01	U	0.059	U	0.015	U	0.02	U	0.03	U	0.019	U	0.025	U	0.015	U
Dibromochloromethane				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Dichlorodifluoromethane				0.01	U	0.059	U	0.015	U	0.02	U	0.03	U	0.019	U	0.025	U	0.015	U
Ethylbenzene	1	390	1	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Freon-113				0.0041	U	0.024	U	0.0059	U	0.008	U	0.012	U	0.0076	U	0.01	U	0.006	UJ
Isopropylbenzene				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Methyl Acetate				0.0041	U	0.024	U	0.0059	U	0.008	U	0.012	U	0.0076	U	0.01	U	0.006	U
Methyl cyclohexane				0.0041	U	0.024	U	0.0059	U	0.008	U	0.012	U	0.0076	U	0.01	U	0.006	U
Methyl tert butyl ether	0.93	500	0.93	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
Methylene chloride	0.05	500	0.05	0.0052	U	0.029	U	0.0074	U	0.01	U	0.015	U	0.0096	U	0.013	U	0.0075	U
n-Butylbenzene	12	500	12	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
n-Propylbenzene	3.9	500	3.9	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Naphthalene	12	500	12	0.0041	U	0.024	U	**0.0014**	**J**	0.008	U	0.012	U	0.0076	U	0.01	U	0.006	U
o-Xylene	0.26	500	1.6	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
p-Isopropyltoluene				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
p/m-Xylene	0.26	500	1.6	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
sec-Butylbenzene	11	500	11	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Styrene				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
tert-Butylbenzene	5.9	500	5.9	0.0021	U	0.012	U	0.003	U	0.004	U	0.0059	U	0.0038	U	0.005	U	0.003	U
Tetrachloroethene	1.3	150	1.3	0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
Toluene	0.7	500	0.7	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.0016	U	0.0088	U	0.0022	U	0.003	U	0.0044	U	0.0029	U	0.0038	U	0.0022	U
trans-1,3-Dichloropropene				0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Trichloroethene	0.47	200	0.47	0.00052	U	0.0029	U	0.00074	U	0.001	U	0.0015	U	0.00096	U	0.0013	U	0.00075	U
Trichlorofluoromethane				0.0041	U	0.024	U	0.0059	U	0.008	U	0.012	U	0.0076	U	0.01	U	0.006	UJ
Vinyl chloride	0.02	13	0.02	0.001	U	0.0059	U	0.0015	U	0.002	U	0.003	U	0.0019	U	0.0025	U	0.0015	U
Total TIC Compounds				**0.00234**	**J**	**0.0478**	**J**	0	U	**0.0152**	**J**	**0.0435**	**J**	**0.0062**	**J**	**0.00535**	**J**	0	U

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-116 FILL		SB-116 NATIVE		SB-117 FILL		SB-117 NATIVE		SB-118 FILL		SB-118 NATIVE		DUP-02 (SB-110 NATIVE)		DUP-03 (SB-111 FILL)	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/26/2024	
LAB SAMPLE ID				L2469906-19		L2469906-20		L2469906-21		L2469906-22		L2469906-23		L2469906-24		L2469590-25		L2469906-25	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-7		7-10		3-7		12-15		1-5		10-14		15-20		2-8	
Analyte	Unrestricted Use SCO	Commercial Use SCO	Protection of Groundwater	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High																			
1,1,1-Trichloroethane	0.68	500	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.27	240	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	0.33	500	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	3.6	190	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.02	30	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	8.4	190	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	280	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	130	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	0.12	500	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	44	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	0.76	22	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1.1	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	0.37	350	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.25	500	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	390	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon-113				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether	0.93	500	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.05	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	3.9	500	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	12	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyltoluene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	0.26	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	11	500	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5.9	500	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1.3	150	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	0.7	500	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	0.19	500	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	200	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	13	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-116 FILL		SB-116 NATIVE		SB-117 FILL		SB-117 NATIVE		SB-118 FILL		SB-118 NATIVE		DUP-02 (SB-110 NATIVE)		DUP-03 (SB-111 FILL)	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/26/2024	
LAB SAMPLE ID				L2469906-19		L2469906-20		L2469906-21		L2469906-22		L2469906-23		L2469906-24		L2469590-25		L2469906-25	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-7		7-10		3-7		12-15		1-5		10-14		15-20		2-8	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Semivolatile Organics by GC/MS																			
1,2,4,5-Tetrachlorobenzene				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
1,4-Dioxane	0.1	130	0.1	0.027	U	0.27	U	0.03	U	0.097	U	0.065	U	0.1	U	0.051	U	0.029	U
2,3,4,6-Tetrachlorophenol				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2,4,5-Trichlorophenol				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2,4,6-Trichlorophenol				0.11	U	1.1	U	0.12	U	0.39	U	0.26	U	0.4	U	0.2	U	0.12	U
2,4-Dichlorophenol				0.16	U	1.6	U	0.18	U	0.58	U	0.39	U	0.6	U	0.3	U	0.17	U
2,4-Dimethylphenol				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2,4-Dinitrophenol				0.86	U	8.7	U	0.96	U	3.1	U	2.1	U	3.2	U	1.6	U	0.92	U
2,4-Dinitrotoluene				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2,6-Dinitrotoluene				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2-Chloronaphthalene				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2-Chlorophenol				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2-Methylnaphthalene				**0.14**	**J**	2.2	U	**1.3**		0.78	U	**0.66**		0.8	U	0.4	U	0.23	U
2-Methylphenol	0.33	500	0.33	0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2-Nitroaniline				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
2-Nitrophenol				0.39	U	3.9	U	0.43	U	1.4	U	0.94	U	1.4	U	0.73	U	0.42	U
3,3'-Dichlorobenzidine				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	**0.05**	**J**	2.6	U	**0.12**	**J**	0.93	U	**0.26**	**J**	0.96	U	0.48	U	0.28	U
3-Nitroaniline				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
4,6-Dinitro-o-cresol				0.47	U	4.7	U	0.52	U	1.7	U	1.1	U	1.7	U	0.88	U	0.5	U
4-Bromophenyl phenyl ether				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
4-Chloroaniline				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
4-Chlorophenyl phenyl ether				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
4-Nitroaniline				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
4-Nitrophenol				0.25	U	2.5	U	0.28	U	0.9	U	0.61	U	0.94	U	0.47	U	0.27	U
Acenaphthene	20	500	98	**0.36**		1.4	U	**0.35**		0.52	U	**1.4**		0.54	U	0.27	U	0.15	U
Acenaphthylene	100	500	107	**0.25**		1.4	U	**2.6**		0.52	U	**2.7**		0.54	U	0.27	U	0.15	U
Acetophenone				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Anthracene	100	500	1000	1.4		1.1	U	**2.1**		0.39	U	**7.8**		0.4	U	**0.086**	**J**	0.12	U
Atrazine				0.14	U	1.4	U	0.16	U	0.52	U	0.35	U	0.54	U	0.27	U	0.15	U
Benzaldehyde				**0.11**	**J**	2.4	U	0.26	U	0.85	U	0.57	U	0.88	U	0.44	U	0.25	U
Benzo(a)anthracene	1	5.6	1	**4.4**		1.1	U	**5.1**		0.39	U	**27**		**0.12**	**J**	**0.12**	**J**	**0.075**	**J**
Benzo(a)pyrene	1	1	22	**3.8**		1.4	U	**7.8**		0.52	U	**24**		0.54	U	**0.094**	**J**	**0.066**	**J**
Benzo(b)fluoranthene	1	5.6	1.7	**4.7**		1.1	U	**10**		0.39	U	**31**		**0.11**	**J**	**0.098**	**J**	**0.094**	**J**
Benzo(ghi)perylene	100	500	1000	**2.3**		1.4	U	**6.8**		0.52	U	**14**		0.54	U	**0.049**	**J**	**0.075**	**J**
Benzo(k)fluoranthene	0.8	56	1.7	**1.1**		1.1	U	**2**		0.39	U	**4.2**		0.4	U	0.2	U	0.12	U
Biphenyl				**0.045**	**J**	4.1	U	**0.26**	**J**	1.5	U	**0.17**	**J**	1.5	U	0.77	U	0.44	U
Bis(2-chloroethoxy)methane				0.19	U	2	U	0.22	U	0.7	U	0.47	U	0.72	U	0.36	U	0.21	U
Bis(2-chloroethyl)ether				0.16	U	1.6	U	0.18	U	0.58	U	0.39	U	0.6	U	0.3	U	0.17	U
Bis(2-chloroisopropyl)ether				0.22	U	2.2	U	0.24	U	0.78	U	0.52	U	0.8	U	0.4	U	0.23	U
Bis(2-ethylhexyl)phthalate				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Butyl benzyl phthalate				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Caprolactam				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Carbazole				**0.45**		1.8	U	**0.65**		0.65	U	**2.8**		**0.076**	**J**	0.34	U	0.19	U
Chrysene	1	56	1	**4**		1.1	U	**4.7**		0.39	U	**26**		**0.1**	**J**	**0.1**	**J**	**0.088**	**J**
Di-n-butylphthalate				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Di-n-octylphthalate				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	**0.52**		1.1	U	**1.5**		0.39	U	**3.3**		0.4	U	0.2	U	0.12	U
Dibenzofuran	7	350	210	**0.28**		1.8	U	**0.44**		0.65	U	**1.1**		0.67	U	0.34	U	0.19	U
Diethyl phthalate				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Dimethyl phthalate				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Fluoranthene	100	500	1000	**6.9**		1.1	U	**6.1**		0.39	U	**47**		**0.19**	**J**	**0.24**		**0.1**	**J**
Fluorene	30	500	386	**0.32**		1.8	U	**0.56**		0.65	U	**1.6**		0.67	U	**0.036**	**J**	0.19	U
Hexachlorobenzene	0.33	6	3.2	0.11	U	1.1	U	0.12	U	0.39	U	0.26	U	0.4	U	0.2	U	0.12	U
Hexachlorobutadiene				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Hexachlorocyclopentadiene				0.51	UJ	5.2	U	0.57	U	1.8	U	1.2	U	1.9	U	0.96	U	0.55	U
Hexachloroethane				0.14	U	1.4	U	0.16	U	0.52	U	0.35	U	0.54	U	0.27	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	**2.1**		1.4	U	**6.2**		0.52	U	**14**		0.54	U	0.27	U	**0.041**	**J**
Isophorone				0.16	U	1.6	U	0.18	U	0.58	U	0.39	U	0.6	U	0.3	U	0.17	U
n-Nitrosodi-n-propylamine				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Naphthalene	12	500	12	**0.33**		1.8	U	**2.8**		0.65	U	**1.8**		0.67	U	0.34	U	0.19	U
NDPA/DPA				0.14	U	1.4	U	0.16	U	0.52	U	0.35	U	0.54	U	0.27	U	0.15	U
Nitrobenzene				0.16	U	1.6	U	0.18	U	0.58	U	0.39	U	0.6	U	0.3	U	0.17	U
p-Chloro-m-cresol				0.18	U	1.8	U	0.2	U	0.65	U	0.43	U	0.67	U	0.34	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	1.4	U	0.16	U	0.52	U	0.35	U	0.54	U	0.27	U	0.15	U
Phenanthrene	100	500	1000	**5.9**		1.1	U	**4.2**		0.39	U	**35**		**0.15**	**J**	**0.24**		**0.085**	**J**
Phenol	0.33	500	0.33	**0.033**	**J**	1.8	U	**0.14**	**J**	0.65	U	**0.16**	**J**	0.67	U	0.34	U	0.19	U
Pyrene	100	500	1000	**6.8**		1.1	U	**5.8**		0.39	U	**48**		**0.2**	**J**	**0.2**		**0.097**	**J**
Total TIC Compounds				**17.8**	**J**	**33.6**	**J**	**25.6**	**J**	4.13	**J**	**46.2**	**J**	**11.8**	**J**	**1.72**	**J**	**0.233**	**J**
Petroleum Hydrocarbon Quantitation																			
TPH (C10-C36)				**311**		-	-	**893**		-	-	**3510**		-	-	-	-	**981**	J

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-116 FILL		SB-116 NATIVE		SB-117 FILL		SB-117 NATIVE		SB-118 FILL		SB-118 NATIVE		DUP-02 (SB-110 NATIVE)		DUP-03 (SB-111 FILL)	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/26/2024	
LAB SAMPLE ID				L2469906-19		L2469906-20		L2469906-21		L2469906-22		L2469906-23		L2469906-24		L2469590-25		L2469906-25	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-7		7-10		3-7		12-15		1-5		10-14		15-20		2-8	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Polychlorinated Biphenyls by GC																			
Aroclor 1016	0.1	1	3.2	0.0529	U	0.188	U	0.0588	U	0.0684	U	0.128	U	0.0651	U	0.1	U	0.053	U
Aroclor 1221	0.1	1	3.2	0.0529	U	0.188	U	0.0588	U	0.0684	U	0.128	U	0.0651	U	0.1	U	0.053	U
Aroclor 1232	0.1	1	3.2	0.0529	U	0.188	U	0.0588	U	0.0684	U	0.128	U	0.0651	U	0.1	U	0.053	U
Aroclor 1242	0.1	1	3.2	0.0529	U	0.188	U	0.0588	U	0.0684	U	0.128	U	0.0651	U	0.1	U	0.053	U
Aroclor 1248	0.1	1	3.2	0.0529	U	0.188	U	0.0588	U	0.0684	U	0.128	U	0.0651	U	0.1	U	0.053	U
Aroclor 1254	0.1	1	3.2	0.0529	U	0.188	U	0.0588	U	0.0684	U	0.128	U	0.0651	U	0.1	U	0.053	U
Aroclor 1260	0.1	1	3.2	0.0529	U	0.188	U	**0.0464**	**J**	0.0684	U	**0.19**		0.0651	U	0.1	U	0.053	U
Aroclor 1262	0.1	1	3.2	0.0529	U	0.188	U	0.0588	U	0.0684	U	0.128	U	0.0651	U	0.1	U	0.053	U
Aroclor 1268	0.1	1	3.2	**0.0202**	**J**	**0.161**	**J**	**0.0419**	**J**	**0.023**	**J**	**0.113**	**J**	**0.0203**	**J**	0.1	U	**0.0179**	**J**
PCBs, Total	0.1	1	3.2	**0.0202**	**J**	**0.161**	**J**	**0.0883**	**J**	**0.023**	**J**	**0.303**	**J**	**0.0203**	**J**	0.1	U	**0.0179**	**J**
Chlorinated Herbicides by GC																			
2,4,5-T				0.177	U	0.627	U	0.202	U	0.23	U	0.435	U	0.22	U	0.337	U	0.188	U
2,4,5-TP (Silvex)	3.8	500	3.8	0.177	U	0.627	U	0.202	U	0.23	U	0.435	U	0.22	U	0.337	U	0.188	U
2,4-D				0.177	U	0.627	U	0.202	U	0.23	U	0.435	U	0.22	U	0.337	U	0.188	U
Organochlorine Pesticides by GC																			
4,4'-DDD	0.0033	92	14	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
4,4'-DDE	0.0033	62	17	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
4,4'-DDT	0.0033	47	136	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
Aldrin	0.005	0.68	0.19	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
Alpha-BHC	0.02	3.4	0.02	0.00069	U	0.00254	U	0.0008	U	0.00093	U	0.00175	U	0.0009	U	0.00131	U	0.00076	U
Beta-BHC	0.036	3	0.09	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
Chlordane				0.0137	U	0.0508	U	0.0159	U	0.0185	U	0.035	U	0.0179	U	0.0262	U	0.0152	U
cis-Chlordane	0.094	24	2.9	0.00206	U	0.00762	U	0.00239	U	0.00278	U	0.00526	U	0.00269	U	0.00394	U	0.00229	U
Delta-BHC	0.04	500	0.25	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
Dieldrin	0.005	1.4	0.1	0.00103	U	0.00381	U	0.00119	U	0.00139	U	0.00263	U	0.00134	U	0.00197	U	0.00114	U
Endosulfan I	2.4	200	102	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
Endosulfan II	2.4	200	102	0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
Endosulfan sulfate	2.4	200	1000	0.00069	U	0.00254	U	0.0008	U	0.00093	U	0.00175	U	0.0009	U	0.00131	U	0.00076	U
Endrin	0.014	89	0.06	0.00069	U	0.00254	U	0.0008	U	0.00093	U	0.00175	U	0.0009	U	0.00131	U	0.00076	U
Endrin aldehyde				0.00206	U	0.00762	U	0.00239	U	0.00278	U	0.00526	U	0.00269	U	0.00394	U	0.00229	U
Endrin ketone				0.00164	U	0.00609	U	0.00191	U	0.00222	U	0.0042	U	0.00215	U	0.00315	U	0.00183	U
Heptachlor	0.042	15	0.38	0.00082	U	0.00305	U	0.00096	U	0.00111	U	0.0021	U	0.00108	U	0.00157	U	0.00092	U
Heptachlor epoxide				0.00308	U	0.0114	U	0.00358	U	0.00417	U	0.00788	U	0.00404	U	0.0059	U	0.00343	U
Lindane	0.1	9.2	0.1	0.00069	U	0.00254	U	0.0008	U	0.00093	U	0.00175	U	0.0009	U	0.00131	U	0.00076	U
Methoxychlor				0.00308	U	0.0114	U	0.00358	U	0.00417	U	0.00788	U	0.00404	U	0.0059	U	0.00343	U
Toxaphene				0.0308	U	0.114	U	0.0358	U	0.0417	U	0.0788	U	0.0404	U	0.059	U	0.0343	U
trans-Chlordane				0.00206	U	0.00762	U	0.00239	U	0.00278	U	0.00526	U	0.00269	U	0.00394	U	0.00229	U
Total Metals																			
Aluminum, Total				**7820**		**24100**		**7460**		**5170**		**23400**		**6990**		**4520**		**5470**	
Antimony, Total				**1.49**	**J**	15	U	**2.29**	**J**	5.35	U	20.1	U	5.32	U	4.95	U	**3.1**	**J**
Arsenic, Total	13	16	16	**14.7**		**12.1**		**25.3**		**7.13**		**75.2**		**2.81**		**19.5**		**9.1**	J
Barium, Total	350	400	820	**194**		**223**		**298**		**67.7**		**367**		**61.4**		**125**		**74.6**	J
Beryllium, Total	7.2	590	47	**0.437**		**1.38**	**J**	**0.64**		**0.283**	**J**	**1.37**	**J**	**0.428**	**J**	**0.505**		**0.413**	**J**
Cadmium, Total	2.5	9.3	7.5	**0.352**	**J**	3	U	**0.807**	**J**	1.07	U	4.02	U	1.06	U	**0.383**	**J**	0.89	UJ
Calcium, Total				**37600**		**138000**		**47800**		**96900**		**197000**		**8000**		**26700**	J	**61500**	J
Chromium, Hexavalent	400	19	1	0.871	U	3.08	U	0.976	U	1.13	U	2.1	U	1.08	U	1.65	U	**0.774**	**J**
Chromium, Total				**23.6**		**44**		**39.6**		**9.51**		**74.6**		**13.4**		**74.8**		**10.4**	
Cobalt, Total				**5.6**		**20.7**		**20.5**		**6.66**		**11.7**		**3.4**		**18.1**	J	**4.9**	
Copper, Total	50	270	1720	**302**		**67.2**		**233**		**16.7**		**53.3**		**6.48**		**308**		**140**	J
Cyanide, Total	27	40	27	**0.29**	**J**	3.6	U	**3.7**		1.3	U	2.6	U	1.3	U	1.9	U	**0.29**	**J**
Iron, Total				**17100**		**41800**		**27700**		**10600**		**29200**		**13900**		**44800**		**16000**	
Lead, Total	63	1000	450	**316**		**103**		**398**		**18.4**		**309**		**10.7**		**286**		**293**	J
Magnesium, Total				**6720**		**38200**		**5090**		**3620**		**23000**		**3560**		**6320**		**11100**	J
Manganese, Total	1600	10000	2000	**266**		**590**		**334**		**429**		**478**		**81.1**		**281**		**265**	J
Mercury, Total	0.18	2.8	0.73	**1.07**		**0.704**		**0.666**		**0.084**	**J**	**15.7**		**0.073**	**J**	**0.585**		**1.84**	J
Nickel, Total	30	310	130	**13.5**		**64.6**		**55.2**		**18.6**		**28.2**		**22.2**		**23.2**		**13.2**	
Potassium, Total				**1090**		**2500**		**626**		**614**		**3930**		**705**		**483**		**631**	
Selenium, Total	3.9	1500	4	**0.741**	**J**	**3.62**	**J**	**2**		**1.47**	**J**	**1.17**	**J**	**2.4**		**1.59**	**J**	**0.457**	**J**
Silver, Total	2	1500	8.3	0.419	U	1.5	U	**0.378**	**J**	0.535	U	2.01	U	0.532	U	0.495	U	0.445	U
Sodium, Total				**267**		**266**	**J**	**219**		**163**	**J**	**790**	**J**	**66.4**	**J**	**169**	**J**	**292**	
Thallium, Total				**0.408**	**J**	6.01	U	**0.512**	**J**	2.14	U	**1.69**	**J**	2.13	U	1.98	U	**0.351**	**J**
Vanadium, Total				**21**		**44.7**		**30.6**		**9.06**		**69.7**		**10.6**		**37.8**		**18.5**	
Zinc, Total	109	10000	2480	**290**		**149**		**450**		**55.6**		**326**		**43**		**173**		**240**	J

Table 3
Site Management Plan
Sub-Surface Soil Data Summary

LOCATION				SB-116 FILL		SB-116 NATIVE		SB-117 FILL		SB-117 NATIVE		SB-118 FILL		SB-118 NATIVE		DUP-02 (SB-110 NATIVE)		DUP-03 (SB-111 FILL)	
SAMPLING DATE				11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/26/2024		11/25/2024		11/26/2024	
LAB SAMPLE ID				L2469906-19		L2469906-20		L2469906-21		L2469906-22		L2469906-23		L2469906-24		L2469590-25		L2469906-25	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)				4-7		7-10		3-7		12-15		1-5		10-14		15-20		2-8	
Analyte	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Perfluorinated Alkyl Acids by EPA 1633																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)				0.802	U	1.23	U	0.802	U	0.796	U	0.844	U	0.801	U	0.795	U	0.8	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)				0.802	U	1.23	U	0.802	U	0.796	U	0.844	U	0.801	U	0.795	U	0.8	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)				0.802	U	1.23	U	0.802	U	0.796	U	0.844	U	0.801	U	0.795	U	0.8	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)				0.802	U	1.23	U	0.802	U	0.796	U	0.844	U	0.801	U	0.795	U	0.8	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)				5.02	U	7.67	U	5.01	U	4.97	U	5.28	U	5	U	4.97	U	5	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)				5.02	U	7.67	U	5.01	U	4.97	U	5.28	U	5	U	4.97	U	5	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)				1	U	1.53	U	1	U	0.995	U	1.06	U	1	U	0.994	U	1	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)				0.802	U	1.23	U	0.802	U	0.796	U	0.844	U	0.801	U	0.795	U	0.8	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)				0.802	U	1.23	U	0.802	U	0.796	U	0.844	U	0.801	U	0.795	U	0.8	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)				0.802	U	1.23	U	0.802	U	0.796	U	0.844	U	0.801	U	0.795	U	0.8	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)				2.01	U	3.07	U	2	U	1.99	U	2.11	U	2	U	1.99	U	2	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)				2.01	U	3.07	U	2	U	1.99	U	2.11	U	2	U	1.99	U	2	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)				0.401	U	0.613	U	0.401	U	0.398	U	0.422	U	0.4	U	0.398	U	0.4	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)				0.401	U	0.613	U	0.401	U	0.398	U	0.422	U	0.4	U	0.398	U	0.4	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)				0.401	U	0.613	U	0.401	U	0.398	U	0.422	U	0.4	U	0.398	U	0.4	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)				0.401	U	0.613	U	0.401	U	0.398	U	0.422	U	0.4	U	0.398	U	0.4	U
Perfluorobutanesulfonic Acid (PFBS)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluorobutanoic Acid (PFBA)				0.802	U	1.23	U	**0.038**	**J**	0.796	U	**0.041**	**J**	0.801	U	0.795	U	0.8	U
Perfluorodecanesulfonic Acid (PFDS)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluorodecanoic Acid (PFDA)				0.201	U	0.307	U	0.2	U	0.199	U	**0.063**	**J**	0.2	U	0.199	U	0.2	U
Perfluorododecanesulfonic Acid (PFDoS)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluorododecanoic Acid (PFDoA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluoroheptanesulfonic Acid (PFHpS)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluoroheptanoic Acid (PFHpA)				**0.03**	**J**	0.307	U	**0.036**	**J**	0.199	U	**0.045**	**J**	0.2	U	0.199	U	0.2	U
Perfluorohexanesulfonic Acid (PFHxS)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluorohexanoic Acid (PFHxA)				**0.03**	**J**	0.307	U	**0.047**	**J**	**0.026**	**J**	**0.063**	**J**	0.2	U	0.199	U	0.2	U
Perfluorononanesulfonic Acid (PFNS)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluorononanoic Acid (PFNA)				**0.062**	**J**	0.307	U	**0.041**	**J**	0.199	U	**0.044**	**J**	0.2	U	0.199	U	**0.027**	**EMPC**
Perfluorooctanesulfonamide (PFOSA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	440	1	**0.399**		0.307	U	**0.346**		0.199	U	**0.379**		0.2	U	0.199	U	**0.145**	**J**
Perfluorooctanoic Acid (PFOA)	0.66	500	0.8	**0.095**	**J**	0.307	U	**0.127**	**J**	0.199	U	**0.107**	**J**	0.2	U	0.199	U	0.2	U
Perfluoropentanesulfonic Acid (PFPeS)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluoropentanoic Acid (PFPeA)				0.401	U	0.613	U	**0.041**	**J**	0.398	U	**0.071**	**J**	0.4	U	0.398	U	0.4	U
Perfluorotetradecanoic Acid (PFTeDA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluorotridecanoic Acid (PFTrDA)				0.201	U	0.307	U	0.2	U	0.199	U	0.211	U	0.2	U	0.199	U	0.2	U
Perfluoroundecanoic Acid (PFUnA)				0.201	U	0.307	U	0.2	U	0.199	U	**0.035**	**J**	0.2	U	0.199	U	0.2	U

Notes:
- All values are reported in milligrams per kilogram (mg/kg) / parts per million (ppm) except PFAAs which are reported in micrograms per kilogram (µg/kg) / parts per billion (ppb).
- Analytical results compared to New York 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs).
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Red text** indicates analyte exceeds Protection of Groundwater SCO.
- **Blue qualifiers** were applied based on a third party data usability review.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.
- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J+" indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- "I" indicates the lower value for the two columns has been reported due to obvious interference.
- "P" indicates the RPD between the results for the two columns exceeds the method-specified criteria.
- "EMPC" indicates the results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.
- "R" indicates the data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		MW-101 ROUND 1		MW-101 ROUND 2		MW-102 ROUND 1		MW-102 ROUND 2		MW-103 ROUND 1		MW-103 ROUND 2		MW-104 ROUND 1		MW-104 ROUND 2		MW-105 ROUND 1		MW-105 ROUND 2		MW-106 ROUND 1		MW-106 ROUND 2		MW-107 ROUND 1		MW-107 ROUND 2		DUP ROUND 1 (MW-106 ROUND 1)		DUP ROUND 2 (MW-105 ROUND 2)	
SAMPLING DATE		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/12/2025		12/13/2024		2/11/2025	
LAB SAMPLE ID		L2473569-05		L2507955-01		L2473175-02		L2507633-01		L2473569-02		L2507955-02		L2473175-01		L2507633-02		L2473569-04		L2507633-03		L2473569-01		L2507633-04		L2473569-03		L2507955-03		L2473569-06		L2507633-05	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)		14		14		20		20		20		20		20		20		20		20		20		20		20		20		20		20	
Analyte	NY TOGS 1.1.1 AWQS	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS																																	
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane		2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	UJ	2.5	U	2.5	UJ	2.5	U	2.5	UJ	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane		10	UJ	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	UJ	10	U	10	U	10	U	10	UJ	10	U	10	UJ	10	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Freon-113	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl Acetate		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U	2	U
Methyl cyclohexane		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	UJ
o-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl chloride	2	1	UJ	1	UJ	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	UJ	1	U	1	UJ	1	U	1	UJ	1	UJ	1	UJ	1	U
Total TIC Compounds		0	U	0	U	0	U	1.56	U	**1.1**	**J**	**2.11**	**J**	0	U	0	U	0	U	1.65	U	0	U	1.67	U	0	U	**1.5**	**J**	0	U	1.69	U

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		MW-101 ROUND 1		MW-101 ROUND 2		MW-102 ROUND 1		MW-102 ROUND 2		MW-103 ROUND 1		MW-103 ROUND 2		MW-104 ROUND 1		MW-104 ROUND 2		MW-105 ROUND 1		MW-105 ROUND 2		MW-106 ROUND 1		MW-106 ROUND 2		MW-107 ROUND 1		MW-107 ROUND 2		DUP ROUND 1 (MW-106 ROUND 1)		DUP ROUND 2 (MW-105 ROUND 2)	
SAMPLING DATE		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/12/2025		12/13/2024		2/11/2025	
LAB SAMPLE ID		L2473569-05		L2507955-01		L2473175-02		L2507633-01		L2473569-02		L2507955-02		L2473175-01		L2507633-02		L2473569-04		L2507633-03		L2473569-01		L2507633-04		L2473569-03		L2507955-03		L2473569-06		L2507633-05	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)		14		14		20		20		20		20		20		20		20		20		20		20		20		20		20		20	
Analyte	**NY TOGS 1.1.1 AWQS**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Semivolatile Organics by GC/MS																																	
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2,3,4,6-Tetrachlorophenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4,5-Trichlorophenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	10	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Chlorophenol		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitrophenol		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4,6-Dinitro-o-cresol		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Nitrophenol		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Atrazine	7.5	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzaldehyde		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Biphenyl		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	2	UJ	2	U	2	U	2	UJ	2	UJ	2	U	2	U	2	UJ	2	UJ	2	UJ	2	UJ	2	UJ	2	UJ	2	U	2	UJ	2	UJ
Bis(2-ethylhexyl)phthalate	5	3	U	1.4	J	3	U	3	U	1.4	J	**4.3**		3	U	3	U	3	U	**8.6**	J	3	U	**22**		3	U	3	U	3	U	**2.9**	**J**
Butyl benzyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Caprolactam		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Carbazole		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Di-n-butylphthalate	50	5	U	3.4	J	5	U	5	U	5	U	**1.9**	**J**	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1.3**	**J**	5	U
Di-n-octylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dibenzofuran		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Diethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	20	U	20	U	20	UJ	20	U	20	U	20	U	20	UJ	20	U	20	U	20	U	20	UJ	20	U	20	U	20	U	20	U	20	U
Isophorone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
n-Nitrosodi-n-propylamine		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
NDPA/DPA	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	0.4	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
p-Chloro-m-cresol		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Phenol	1	**1.8**	**J**	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.82	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Total TIC Compounds		**10.2**	**J**	**53.9**	**J**	54.9	U	13.4	U	**161**	**J**	**159**	**J**	37.4	U	15.9	U	**10.9**	**J**	17.1	U	**27.9**	**J**	9.8	U	**22.9**	**J**	**26.5**	**J**	**43.2**	**J**	9.8	U
Semivolatile Organics by GC/MS-SIM																																	
1,4-Dioxane	0.35	0.139	U	-	-	0.15	U	-	-	0.144	U	-	-	0.144	U	-	-	0.139	U	-	-	0.144	U	-	-	0.15	U	-	-	0.144	U	-	-
2-Chloronaphthalene	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-Methylnaphthalene		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Acenaphthene	20	**0.03**	**J**	0.1	U	0.1	U	0.1	U	**0.06**	**J**	**0.04**	**J**	0.1	U	0.1	U	**0.03**	**J**	0.1	U	0.1	U	0.1	U	**0.05**	**J**	**0.04**	**J**	0.1	U	0.1	U
Acenaphthylene		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Anthracene	50	**0.08**	**J**	0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	0.1	U	0.1	U
Benzo(a)anthracene	0.002	**0.19**		0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U
Benzo(a)pyrene	0	**0.14**		0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U
Benzo(b)fluoranthene	0.002	**0.23**		0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U	0.1	U	0.1	U	**0.03**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.09**	**J**	0.1	U
Benzo(ghi)perylene		**0.2**		0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.08**	**J**	0.1	U
Benzo(k)fluoranthene	0.002	**0.21**		0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U
Chrysene	0.002	**0.2**		0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U
Dibenzo(a,h)anthracene		**0.23**		0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.07**	**J**	0.1	U
Fluoranthene	50	**0.15**		0.1	U	**0.05**	**J**	**0.06**	**J**	**0.08**	**J**	0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	**0.08**	**J**	0.1	U
Fluorene	50	**0.06**	**J**	0.1	U	0.1	U	0.1	U	**0.03**	**J**	0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	0.1	U	0.1	U	**0.03**	**J**	0.1	U	0.1	U	0.1	U
Hexachlorobenzene	0.04	**0.07**	J-	0.8	U	0.8	UJ	0.8	U	0.8	UJ	0.8	U	0.8	UJ	0.8	U	0.8	UJ	0.8	U	0.8	UJ	0.8	U	**0.03**	J-	0.8	U	0.8	UJ	0.8	U
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachloroethane	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	0.002	**0.22**		0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.08**	**J**	0.1	U
Naphthalene	10	**0.08**	**J**	0.04	U	0.1	U	**0.07**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	**0.03**	**J**	**0.05**	**J**	**0.09**	**J**	0.1	U	**0.04**	**J**	0.04	U	**0.09**	**J**	0.1	U
Pentachlorophenol	1	0.8	U	0.8	U	0.8	U	0.06	U	**0.12**	**J**	0.8	U	**0.13**	**J**	0.8	U	**0.11**	**J**	0.07	U	0.8	U	0.8	U	**0.13**	**J**	0.8	U	0.8	U	0.8	U
Phenanthrene	50	**0.11**		0.1	U	**0.05**	**J**	**0.11**		**0.06**	**J**	0.1	U	0.1	U	0.1	U	**0.05**	**J**	0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U	0.1	U	0.1	U
Pyrene	50	**0.14**		0.1	U	**0.04**	**J**	**0.04**	**J**	**0.07**	**J**	0.1	U	0.1	U	0.1	U	**0.04**	**J**	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.06**	**J**	0.1	U

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		MW-101 ROUND 1		MW-101 ROUND 2		MW-102 ROUND 1		MW-102 ROUND 2		MW-103 ROUND 1		MW-103 ROUND 2		MW-104 ROUND 1		MW-104 ROUND 2		MW-105 ROUND 1		MW-105 ROUND 2		MW-106 ROUND 1		MW-106 ROUND 2		MW-107 ROUND 1		MW-107 ROUND 2		DUP ROUND 1 (MW-106 ROUND 1)		DUP ROUND 2 (MW-105 ROUND 2)	
SAMPLING DATE		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/12/2025		12/13/2024		2/11/2025	
LAB SAMPLE ID		L2473569-05		L2507955-01		L2473175-02		L2507633-01		L2473569-02		L2507955-02		L2473175-01		L2507633-02		L2473569-04		L2507633-03		L2473569-01		L2507633-04		L2473569-03		L2507955-03		L2473569-06		L2507633-05	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)		14		14		20		20		20		20		20		20		20		20		20		20		20		20		20		20	
Analyte	**NY TOGS 1.1.1 AWQS**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Polychlorinated Biphenyls by GC																																	
Aroclor 1016	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1221	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1232	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1242	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1248	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1254	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1260	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1262	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1268	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
PCBs, Total		0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Chlorinated Herbicides by GC																																	
2,4,5-T	35	-	-	-	-	-	-	-	-	-	-	2	U	2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)		-	-	-	-	-	-	-	-	-	-	2	U	2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D	50	-	-	-	-	-	-	-	-	-	-	10	U	10	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides by GC																																	
4,4'-DDD	0.3	-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	0.2	-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	0.2	-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	0	-	-	-	-	-	-	-	-	-	-	0.014	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alpha-BHC	0.01	-	-	-	-	-	-	-	-	-	-	0.014	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beta-BHC	0.04	-	-	-	-	-	-	-	-	-	-	0.02	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane	0.05	-	-	-	-	-	-	-	-	-	-	0.143	U	0.143	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-Chlordane		-	-	-	-	-	-	-	-	-	-	0.02	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delta-BHC	0.04	-	-	-	-	-	-	-	-	-	-	0.014	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.004	-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I		-	-	-	-	-	-	-	-	-	-	0.014	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II		-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate		-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0	-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	5	-	-	-	-	-	-	-	-	-	-	0.03	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	5	-	-	-	-	-	-	-	-	-	-	0.029	U	0.029	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.04	-	-	-	-	-	-	-	-	-	-	0.014	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	0.03	-	-	-	-	-	-	-	-	-	-	0.014	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindane	0.05	-	-	-	-	-	-	-	-	-	-	0.014	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	35	-	-	-	-	-	-	-	-	-	-	0.143	U	0.143	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	0.06	-	-	-	-	-	-	-	-	-	-	0.2	U	0.143	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-Chlordane		-	-	-	-	-	-	-	-	-	-	0.02	U	0.014	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		MW-101 ROUND 1		MW-101 ROUND 2		MW-102 ROUND 1		MW-102 ROUND 2		MW-103 ROUND 1		MW-103 ROUND 2		MW-104 ROUND 1		MW-104 ROUND 2		MW-105 ROUND 1		MW-105 ROUND 2		MW-106 ROUND 1		MW-106 ROUND 2		MW-107 ROUND 1		MW-107 ROUND 2		DUP ROUND 1 (MW-106 ROUND 1)		DUP ROUND 2 (MW-105 ROUND 2)	
SAMPLING DATE		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/12/2025		12/13/2024		2/11/2025	
LAB SAMPLE ID		L2473569-05		L2507955-01		L2473175-02		L2507633-01		L2473569-02		L2507955-02		L2473175-01		L2507633-02		L2473569-04		L2507633-03		L2473569-01		L2507633-04		L2473569-03		L2507955-03		L2473569-06		L2507633-05	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)		14		14		20		20		20		20		20		20		20		20		20		20		20		20		20	
Analyte	**NY TOGS 1.1.1 AWQS**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Total Metals																																	
Aluminum, Total		**109**		**3.93**	**J**	**255**		**11.3**		**12.7**		**10.4**		**269**		**58.7**		**21000**		**25.8**		**48.4**		**8.17**	**J**	**278**		**151**		**60.7**		**25.8**	
Antimony, Total	3	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	40	U	4	U	4	U	4	U	4	U	40	U	4	U	4	U
Arsenic, Total	25	**1.29**		**0.83**		**3.36**		**2.03**		**2.19**		**0.36**	**J**	**0.87**		**0.5**		**13.88**		0.5	U	**0.43**	**J**	**0.32**	**J**	**5.75**		**3.51**	**J**	**0.4**	**J**	**0.19**	**J**
Barium, Total	1000	**71.73**		**56.65**		**308.1**		**255.2**		**30.29**		**22.49**		**278.2**		**252.5**		**797.4**		**234.6**		**35.83**		**24.66**		**298.2**		**219**		**36.68**		**253.1**	
Beryllium, Total	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**1.62**	**J**	0.5	U	0.5	U	0.5	U	0.5	U	5	U	0.5	U	0.5	U
Cadmium, Total	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	**1.18**	**J**	0.2	U	0.2	U	0.2	U	0.2	U	2	U	**0.07**	**J**	0.2	U
Calcium, Total		**418000**		**415000**		**187000**		**174000**		**691000**		**520000**		**148000**		**158000**		**454000**		**150000**		**693000**		**664000**		**82400**	J	**216000**		**673000**		**168000**	
Chromium, Total	50	**2.57**		**0.69**	**J**	**1.44**		**0.55**	**J**	**1.23**		**0.49**	**J**	**0.81**	**J**	**0.37**	**J**	45.98		**0.62**	**J**	**0.65**	**J**	**0.41**	**J**	**0.36**	**J**	10	U	**0.35**	**J**	**0.44**	**J**
Chromium, Hexavalent, Total	50	-	-	-	-	-	-	-	-	-	-	**17**	**J**	**17**	**J**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total		**1.34**		**0.45**	**J**	**0.55**		**0.26**	**J**	0.5	U	0.5	U	**0.31**	**J**	0.5	U	**23.75**		0.5	U	**2.06**		**4.93**		5	U	5	U	**2.32**		0.5	U
Copper, Total	200	**2.05**		**0.63**	**J**	**1.35**		1	U	1	U	1	U	**1.3**		1	U	**215.1**		**2.67**	J	**0.55**	**J**	**0.67**	**J**	10	U	10	U	**0.62**	**J**	**0.38**	**J**
Cyanide, Total	200	-	-	-	-	-	-	-	-	-	-	5	U	5	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	300	**3660**		**3380**		**27700**		**31600**		**7120**		**8170**		**16700**		**19200**		**61200**		**6910**		**152**	J	**321**		**2160**		**3730**		**151**		**7290**	
Lead, Total	25	**1.31**		1	U	**4.73**		1	U	1	U	1	U	**6.11**		**1.21**		**353.2**		**0.59**	**J**	1	U	1	U	**4.76**		**3.55**	**J**	**0.51**	**J**	**0.52**	**J**
Magnesium, Total	35000	**44800**		**50500**		**22100**		**23400**		**79600**		**62100**		**20200**		**23700**		**39500**		**19000**		**73800**		**78400**		**18200**		**17600**		**75800**		**19100**	
Manganese, Total	300	**371.9**		**362.9**		**580.8**		**619.1**		**307.6**		**278.7**		**328.1**		**364.9**		**1460**		**248.6**		**722.9**	J	**1283**		**90.68**	J	**213.8**		**763.6**		**259.7**	
Mercury, Total	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	**0.75**		0.2	U	0.2	U	0.2	U	**0.19**	**J**	0.2	U	0.2	U	0.2	U
Nickel, Total	100	**2.12**		**0.99**	**J**	**1.4**	**J**	2	U	**0.64**	**J**	2	U	**1.26**	**J**	2	U	**75.11**		2	U	**3.46**		**3.11**		20	U	20	U	**3.2**		2	U
Potassium, Total		**5950**		**4890**		**18000**		**17300**		**6550**		**4640**		**14500**		**14100**		**15000**		**11600**		**6690**	J-	**4290**		**12700**	J	**12200**		**6750**		**12100**	
Selenium, Total	10	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	50	U	5	U	5	U	5	U	50	U	50	U	5	U	5	U
Silver, Total	50	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	4	U	0.4	U	0.4	U	0.4	U	4	U	4	U	0.4	U	0.4	U
Sodium, Total	20000	**234000**		**209000**		**149000**		**147000**		**212000**		**168000**		**89600**		**95200**		**125000**		**115000**		**252000**		**236000**		**2640000**		**966000**		**248000**		**122000**	
Thallium, Total	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	10	U	1	U	**0.18**	**J**	1	U	1	U	10	U	1	U	1	U
Vanadium, Total		**1.85**	**J**	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**53.2**		5	U	5	U	5	U	5	U	50	U	5	U	5	U
Zinc, Total	2000	10	U	**5.14**	**J**	**5.53**	**J**	10	U	10	U	10	U	**3.59**	**J**	10	U	**406.5**		10	U	10	U	10	U	100	U	100	U	10	U	10	U
Dissolved Metals																																	
Aluminum, Dissolved		**6.28**	**J**	10	U	**4.2**	**J**	**3.96**	**J**	**3.92**	**J**	10	U	10	U	10	U	**19.2**		10	U	**7.84**	**J**	10	U	**48.9**	**J**	10	U	**6.52**	**J**	10	U
Antimony, Dissolved	3	**0.63**	**J**	4	U	4	U	4	U	4	U	4	U	4	U	4	U	**0.66**	**J**	4	U	**1.35**	**J**	4	U	**4.51**	**J**	4	U	4	U	4	U
Arsenic, Dissolved	25	**0.45**	**J**	**0.8**		**1.28**		**0.51**		**1.01**		**0.41**	**J**	**0.35**	**J**	**0.18**	**J**	**0.59**		**0.22**	**J**	**0.32**	**J**	**0.32**	**J**	**5.32**		**1.83**		**0.3**	**J**	0.5	U
Barium, Dissolved	1000	**65.38**		**55.7**		**182.8**		**128.5**		**29.14**		**22.92**		**194.3**		**154.7**		**230.3**		**201.4**		**31.56**		**24.06**		**309.3**		**180**		**32.96**		**199.6**	
Beryllium, Dissolved	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	5	U	0.5	U	0.5	U	0.5	U
Cadmium, Dissolved	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	2	U	0.2	U	0.2	U	0.2	U
Calcium, Dissolved		**340000**		**421000**		**164000**		**178000**		**545000**		**521000**		**144000**		**163000**		**137000**		**166000**		**687000**		**649000**		**162000**	J	**219000**		**550000**		**173000**	
Chromium, Dissolved	50	1	U	1	U	**0.26**	**J**	0.28	U	1	U	**0.21**	**J**	1	U	1	U	1	U	0.31	U	1	U	1	U	10	U	**0.19**	**J**	1	U	0.26	U
Chromium, Hexavalent, Dissolved	50	-	-	-	-	-	-	-	-	-	-	10	U	10	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved		**1.17**		**0.43**	**J**	**0.23**	**J**	**0.19**	**J**	0.5	U	0.5	U	0.5	U	0.5	U	**0.26**	**J**	0.5	U	**2.06**		**5**		5	U	0.5	U	**1.97**		0.5	U
Copper, Dissolved	200	**0.42**	**J**	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**0.46**	**J**	**0.4**	**J**	**0.41**	**J**	1	U	10	U	**0.44**	**J**	**0.57**	**J**	1	U
Cyanide, Dissolved	200	-	-	-	-	-	-	-	-	-	-	5	U	5	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Dissolved	300	**40.5**	**J**	**2150**		**8870**		**2770**		**2690**		**7040**		**6060**		**887**		83.4		**144**	J	**82.4**		**28.7**	**J**	**252**	**J**	**53**		**124**		50	UJ
Lead, Dissolved	25	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	10	U	1	U	1	U	1	U
Magnesium, Dissolved	35000	**43100**		**47400**		**20900**		**22500**		**77300**		**62400**		**19900**		22100		**16200**		**18300**		**73900**		**71500**		**18400**		**17400**		**68700**		**19100**	
Manganese, Dissolved	300	**304**		**367.8**		**545.6**		**582.8**		**282.4**		**286.4**		**323.4**		**363**		**202.6**		**252.4**		**800.8**		**1200**		**135.6**	J	**218.2**		**596.5**		**271.4**	
Mercury, Dissolved	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	100	**1.74**	**J**	**0.92**	**J**	2	U	**0.88**	**J**	2	U	2	U	2	U	2	U	2	U	2	U	**2.97**		**3.18**		20	U	2	U	**2.85**		2	U
Potassium, Dissolved		**5270**		**4780**		**17600**		**17400**		**5540**		**4870**		**14600**		**15000**		**11600**		**12600**		**5530**		**4250**		**18700**	J	**12400**		**4960**		**13100**	
Selenium, Dissolved	10	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	50	U	5	U	5	U	5	U
Silver, Dissolved	50	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	4	U	0.4	U	0.4	U	0.4	U
Sodium, Dissolved	20000	**204000**		**211000**		**146000**		**148000**		**188000**		**176000**		**91400**		**98200**		**123000**		**120000**		**266000**		**236000**		**2560000**		**1040000**		**221000**		**124000**	
Thallium, Dissolved	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	10	U	1	U	1	U	1	U
Vanadium, Dissolved		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	50	U	5	U	5	U	5	U
Zinc, Dissolved	2000	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	100	U	10	U	10	U	10	U

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		MW-101 ROUND 1		MW-101 ROUND 2		MW-102 ROUND 1		MW-102 ROUND 2		MW-103 ROUND 1		MW-103 ROUND 2		MW-104 ROUND 1		MW-104 ROUND 2		MW-105 ROUND 1		MW-105 ROUND 2		MW-106 ROUND 1		MW-106 ROUND 2		MW-107 ROUND 1		MW-107 ROUND 2		DUP ROUND 1 (MW-106 ROUND 1)		DUP ROUND 2 (MW-105 ROUND 2)	
SAMPLING DATE		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/12/2025		12/12/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/11/2025		12/13/2024		2/12/2025		12/13/2024		2/11/2025	
LAB SAMPLE ID		L2473569-05		L2507955-01		L2473175-02		L2507633-01		L2473569-02		L2507955-02		L2473175-01		L2507633-02		L2473569-04		L2507633-03		L2473569-01		L2507633-04		L2473569-03		L2507955-03		L2473569-06		L2507633-05	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)		14		14		20		20		20		20		20		20		20		20		20		20		20		20		20		20	
Analyte	**NY TOGS 1.1.1 AWQS**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Perfluorinated Alkyl Acids by EPA 1633																																	
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		6.31	U	6.14	U	6.08	U	-	-	6.38	U	-	-	6.16	U	-	-	6.27	U	-	-	6.37	U	-	-	6.23	U	6.1	U	6.23	U	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		6.31	U	6.14	U	6.08	U	-	-	6.38	U	-	-	6.16	U	-	-	6.27	U	-	-	6.37	U	-	-	6.23	U	6.1	U	6.23	U	-	-
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)		6.31	U	6.14	U	6.08	U	-	-	6.38	U	-	-	6.16	U	-	-	6.27	U	-	-	6.37	U	-	-	6.23	U	6.1	U	6.23	U	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		6.31	U	6.14	U	6.08	U	-	-	6.38	U	-	-	6.16	U	-	-	6.27	U	-	-	6.37	U	-	-	6.23	U	6.1	U	6.23	U	-	-
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		39.4	U	38.4	U	38	U	-	-	39.9	U	-	-	38.5	U	-	-	39.2	U	-	-	39.8	U	-	-	39	U	38.1	U	38.9	U	-	-
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		39.4	U	38.4	U	38	U	-	-	39.9	U	-	-	38.5	U	-	-	39.2	U	-	-	39.8	U	-	-	39	U	38.1	U	38.9	U	-	-
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		7.88	U	7.68	U	7.59	U	-	-	7.98	U	-	-	7.7	U	-	-	7.83	U	-	-	7.96	U	-	-	7.79	U	7.63	U	7.79	U	-	-
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)		6.31	U	6.14	U	6.08	U	-	-	6.38	U	-	-	6.16	U	-	-	6.27	U	-	-	6.37	U	-	-	6.23	U	6.1	U	6.23	U	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)		6.31	U	6.14	U	6.08	U	-	-	6.38	U	-	-	6.16	U	-	-	6.27	U	-	-	6.37	U	-	-	6.23	U	6.1	U	6.23	U	-	-
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		6.31	U	6.14	U	6.08	U	-	-	6.38	U	-	-	6.16	U	-	-	6.27	U	-	-	6.37	U	-	-	6.23	U	6.1	U	6.23	U	-	-
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		15.8	U	15.4	U	15.2	U	-	-	16	U	-	-	15.4	U	-	-	15.7	U	-	-	15.9	U	-	-	15.6	U	15.2	U	15.6	U	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		15.8	U	15.4	U	15.2	U	-	-	16	U	-	-	15.4	U	-	-	15.7	U	-	-	15.9	U	-	-	15.6	U	15.2	U	15.6	U	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)		3.15	U	3.07	U	3.04	U	-	-	3.19	U	-	-	3.08	U	-	-	3.13	U	-	-	3.18	U	-	-	3.12	U	3.05	U	3.11	U	-	-
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)		3.15	U	3.07	U	3.04	U	-	-	3.19	U	-	-	3.08	U	-	-	3.13	U	-	-	3.18	U	-	-	3.12	U	3.05	U	3.11	U	-	-
Perfluoro-3-Methoxypropanoic Acid (PFMPA)		3.15	U	3.07	U	3.04	U	-	-	3.19	U	-	-	3.08	U	-	-	3.13	U	-	-	3.18	U	-	-	3.12	U	3.05	U	3.11	U	-	-
Perfluoro-4-Methoxybutanoic Acid (PFMBA)		3.15	U	3.07	U	3.04	U	-	-	3.19	U	-	-	3.08	U	-	-	3.13	U	-	-	3.18	U	-	-	3.12	U	3.05	U	3.11	U	-	-
Perfluorobutanesulfonic Acid (PFBS)		**0.544**	**J**	**0.453**	**EMPC**	**1.57**		-	-	**0.455**	**J**	-	-	**1.08**	**J**	-	-	**1.05**	**J**	-	-	1.59	U	-	-	**4.85**		**4.42**		1.56	U	-	-
Perfluorobutanoic Acid (PFBA)		**1.44**	**J**	6.14	U	**2.2**	**J**	-	-	**2.73**	**J**	-	-	**1.38**	**J**	-	-	**1.15**	**J**	-	-	**0.804**	**J**	-	-	**5.69**	**J**	**5.66**	**J**	**0.522**	**J**	-	-
Perfluorodecanesulfonic Acid (PFDS)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluorodecanoic Acid (PFDA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluorododecanesulfonic Acid (PFDoS)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluorododecanoic Acid (PFDoA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluoroheptanesulfonic Acid (PFHpS)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluoroheptanoic Acid (PFHpA)		**0.56**	**J**	**0.591**	**J**	**0.433**	**J**	-	-	1.6	U	-	-	**0.431**	**J**	-	-	1.57	U	-	-	**0.526**	**J**	-	-	**2.66**		**2.27**		**0.335**	**J**	-	-
Perfluorohexanesulfonic Acid (PFHxS)		**0.512**	**J**	**1.47**	**J**	1.52	U	-	-	**2.13**		-	-	**0.3**	**J**	-	-	1.57	U	-	-	1.59	U	-	-	**1.09**	**J**	**1.75**		1.56	U	-	-
Perfluorohexanoic Acid (PFHxA)		**0.875**	**EMPC**	**0.561**	**J**	**0.608**	**EMPC**	-	-	1.6	U	-	-	**0.601**	**J**	-	-	1.57	U	-	-	1.5	J	-	-	**4.72**		**3.07**		**1.51**	**J**	-	-
Perfluorononanesulfonic Acid (PFNS)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluorononanoic Acid (PFNA)		1.58	U	**0.3**	**J**	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	**0.267**	**EMPC**	1.56	U	-	-
Perfluorooctanesulfonamide (PFOSA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluorooctanesulfonic Acid (PFOS)	2.7	**3.3**		**3.66**		1.52	U	-	-	1.6	U	-	-	**0.478**	**J**	-	-	**1.9**		-	-	1.59	U	-	-	1.56	U	**2.4**	**EMPC**	1.56	U	-	-
Perfluorooctanoic Acid (PFOA)	6.7	**2.42**		**4.55**		**1.83**		-	-	1.6	U	-	-	**1.26**	**J**	-	-	**0.564**	**J**	-	-	**0.629**	**J**	-	-	**7.78**		**6.9**		**0.459**	**J**	-	-
Perfluoropentanesulfonic Acid (PFPeS)		1.58	U	1.54	U	**0.645**	**EMPC**	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluoropentanoic Acid (PFPeA)		**1.29**	**J**	3.07	U	**1.26**	**J**	-	-	3.19	U	-	-	**0.408**	**J**	-	-	**0.713**	**J**	-	-	3.18	U	-	-	**6.49**		**4.72**		3.11	U	-	-
Perfluorotetradecanoic Acid (PFTeDA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluorotridecanoic Acid (PFTrDA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-
Perfluoroundecanoic Acid (PFUnA)		1.58	U	1.54	U	1.52	U	-	-	1.6	U	-	-	1.54	U	-	-	1.57	U	-	-	1.59	U	-	-	1.56	U	1.52	U	1.56	U	-	-

Notes:
- All values are reported in micrograms per liter (µg/L) / parts per billion (ppb) except PFAAs which are reported in nanograms per liter (ng/L) / parts per trillion (ppt).
- Analytical results compared to New York Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards & Guidance Values Criteria per Standards & Guidance Values including all addenda through February 2023.
- Bolded text indicates analyte detected at concentrations greater than laboratory detection limits.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Blue qualifiers** were applied based on a third party data usability review.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.

- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J-" indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- "EMPC" indicates the results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		TRIP BLANK		TRIP BLANK		TRIP BLANK		TRIP BLANK		FIELD BLANK		FIELD BLANK	
SAMPLING DATE		12/12/2024		12/13/2024		2/11/2025		2/12/2025		12/12/2024		2/12/2025	
LAB SAMPLE ID		L2473175-04		L2473569-07		L2507633-06		L2507955-05		L2473175-03		L2507955-04	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)													
Analyte	NY TOGS 1.1.1 AWQS	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS													
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	-	-	-	-
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	UJ	-	-	-	-
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	-	-	-	-
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	-	-	-	-
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
2-Butanone	50	5	U	5	U	5	U	5	U	-	-	-	-
2-Hexanone	50	5	U	5	U	5	U	5	U	-	-	-	-
4-Methyl-2-pentanone		5	U	5	U	5	U	5	U	-	-	-	-
Acetone	50	5	U	5	U	5	U	5	U	-	-	-	-
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Bromoform	50	2	U	2	U	2	U	2	U	-	-	-	-
Bromomethane	5	2.5	U	2.5	U	2.5	U	2.5	UJ	-	-	-	-
Carbon disulfide	60	5	U	5	U	5	U	5	U	-	-	-	-
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Chloromethane		2.5	U	2.5	UJ	2.5	U	2.5	U	-	-	-	-
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Cyclohexane		10	U	10	UJ	10	U	10	U	-	-	-	-
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	-	-	-	-
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Freon-113	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Methyl Acetate		2	U	2	U	2	U	2	U	-	-	-	-
Methyl cyclohexane		10	U	10	U	10	U	10	U	-	-	-	-
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Naphthalene	10	2.5	U	2.5	U	2.5	UJ	2.5	U	-	-	-	-
o-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	-	-	-	-
Vinyl chloride	2	1	U	1	UJ	1	U	1	UJ	-	-	-	-
Total TIC Compounds		0	U	0	U	0	U	0	U	-	-	-	-

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		TRIP BLANK		TRIP BLANK		TRIP BLANK		TRIP BLANK		FIELD BLANK		FIELD BLANK	
SAMPLING DATE		12/12/2024		12/13/2024		2/11/2025		2/12/2025		12/12/2024		2/12/2025	
LAB SAMPLE ID		L2473175-04		L2473569-07		L2507633-06		L2507955-05		L2473175-03		L2507955-04	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)													
Analyte	NY TOGS 1.1.1 AWQS	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS													
1,2,4,5-Tetrachlorobenzene	5	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol		-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol		-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol		-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	1	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	50	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	10	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	5	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	5	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol		-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol		-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol		-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	5	-	-	-	-	-	-	-	-	-	-	-	-
3-Methylphenol/4-Methylphenol		-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-o-cresol		-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether		-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether		-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	5	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol		-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone		-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	7.5	-	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde		-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl		-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	5	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	1	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	5	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	5	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam		-	-	-	-	-	-	-	-	-	-	-	-
Carbazole		-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	50	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran		-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	50	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	5	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	50	-	-	-	-	-	-	-	-	-	-	-	-
n-Nitrosodi-n-propylamine		-	-	-	-	-	-	-	-	-	-	-	-
NDPA/DPA	50	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	0.4	-	-	-	-	-	-	-	-	-	-	-	-
p-Chloro-m-cresol		-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds		-	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS-SIM													
1,4-Dioxane	0.35	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	10	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene		-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	20	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene		-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	50	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene		-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene		-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	50	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	50	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.04	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	5	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	10	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	50	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		TRIP BLANK		TRIP BLANK		TRIP BLANK		TRIP BLANK		FIELD BLANK		FIELD BLANK	
SAMPLING DATE		12/12/2024		12/13/2024		2/11/2025		2/12/2025		12/12/2024		2/12/2025	
LAB SAMPLE ID		L2473175-04		L2473569-07		L2507633-06		L2507955-05		L2473175-03		L2507955-04	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)													
Analyte	NY TOGS 1.1.1 AWQS	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC													
Aroclor 1016	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1262	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268	0.09	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Total		-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Herbicides by GC													
2,4,5-T	35	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)		-	-	-	-	-	-	-	-	-	-	-	-
2,4-D	50	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides by GC													
4,4'-DDD	0.3	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	0.2	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	0.2	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	0	-	-	-	-	-	-	-	-	-	-	-	-
Alpha-BHC	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Beta-BHC	0.04	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane	0.05	-	-	-	-	-	-	-	-	-	-	-	-
cis-Chlordane		-	-	-	-	-	-	-	-	-	-	-	-
Delta-BHC	0.04	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.004	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I		-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II		-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate		-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	5	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	5	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.04	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	0.03	-	-	-	-	-	-	-	-	-	-	-	-
Lindane	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	35	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	0.06	-	-	-	-	-	-	-	-	-	-	-	-
trans-Chlordane		-	-	-	-	-	-	-	-	-	-	-	-

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Site Management Plan
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LOCATION		TRIP BLANK		TRIP BLANK		TRIP BLANK		TRIP BLANK		FIELD BLANK		FIELD BLANK	
SAMPLING DATE		12/12/2024		12/13/2024		2/11/2025		2/12/2025		12/12/2024		2/12/2025	
LAB SAMPLE ID		L2473175-04		L2473569-07		L2507633-06		L2507955-05		L2473175-03		L2507955-04	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)													
Analyte	NY TOGS 1.1.1 AWQS	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals													
Aluminum, Total		-	-	-	-	-	-	-	-	-	-	-	-
Antimony, Total	3	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	25	-	-	-	-	-	-	-	-	-	-	-	-
Barium, Total	1000	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	3	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	5	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, Total		-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Total	50	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Hexavalent, Total	50	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total		-	-	-	-	-	-	-	-	-	-	-	-
Copper, Total	200	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide, Total	200	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	300	-	-	-	-	-	-	-	-	-	-	-	-
Lead, Total	25	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Total	35000	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, Total	300	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total	0.7	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Total	100	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, Total		-	-	-	-	-	-	-	-	-	-	-	-
Selenium, Total	10	-	-	-	-	-	-	-	-	-	-	-	-
Silver, Total	50	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Total	20000	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Total	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Total		-	-	-	-	-	-	-	-	-	-	-	-
Zinc, Total	2000	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Metals													
Aluminum, Dissolved		-	-	-	-	-	-	-	-	-	-	-	-
Antimony, Dissolved	3	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Dissolved	25	-	-	-	-	-	-	-	-	-	-	-	-
Barium, Dissolved	1000	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Dissolved	3	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Dissolved	5	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, Dissolved		-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Dissolved	50	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Hexavalent, Dissolved	50	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved		-	-	-	-	-	-	-	-	-	-	-	-
Copper, Dissolved	200	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide, Dissolved	200	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Dissolved	300	-	-	-	-	-	-	-	-	-	-	-	-
Lead, Dissolved	25	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Dissolved	35000	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, Dissolved	300	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Dissolved	0.7	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Dissolved	100	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, Dissolved		-	-	-	-	-	-	-	-	-	-	-	-
Selenium, Dissolved	10	-	-	-	-	-	-	-	-	-	-	-	-
Silver, Dissolved	50	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Dissolved	20000	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Dissolved	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Dissolved		-	-	-	-	-	-	-	-	-	-	-	-
Zinc, Dissolved	2000	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Site Management Plan
Groundwater Data Summary

LOCATION		TRIP BLANK		TRIP BLANK		TRIP BLANK		TRIP BLANK		FIELD BLANK		FIELD BLANK	
SAMPLING DATE		12/12/2024		12/13/2024		2/11/2025		2/12/2025		12/12/2024		2/12/2025	
LAB SAMPLE ID		L2473175-04		L2473569-07		L2507633-06		L2507955-05		L2473175-03		L2507955-04	
SAMPLE TYPE		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)													
Analyte	NY TOGS 1.1.1 AWQS	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorinated Alkyl Acids by EPA 1633													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)		-	-	-	-	-	-	-	-	6.19	U	7.11	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		-	-	-	-	-	-	-	-	6.19	U	7.11	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)		-	-	-	-	-	-	-	-	6.19	U	7.11	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		-	-	-	-	-	-	-	-	6.19	U	7.11	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)		-	-	-	-	-	-	-	-	38.7	U	44.4	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)		-	-	-	-	-	-	-	-	38.7	U	44.4	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)		-	-	-	-	-	-	-	-	7.74	U	8.89	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)		-	-	-	-	-	-	-	-	6.19	U	7.11	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)		-	-	-	-	-	-	-	-	6.19	U	7.11	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		-	-	-	-	-	-	-	-	6.19	U	7.11	U
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)		-	-	-	-	-	-	-	-	15.5	U	17.8	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)		-	-	-	-	-	-	-	-	15.5	U	17.8	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)		-	-	-	-	-	-	-	-	3.1	U	3.55	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)		-	-	-	-	-	-	-	-	3.1	U	3.55	U
Perfluoro-3-Methoxypropanoic Acid (PFMPA)		-	-	-	-	-	-	-	-	3.1	U	3.55	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)		-	-	-	-	-	-	-	-	3.1	U	3.55	U
Perfluorobutanesulfonic Acid (PFBS)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorobutanoic Acid (PFBA)		-	-	-	-	-	-	-	-	6.19	U	**0.622**	**J**
Perfluorodecanesulfonic Acid (PFDS)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorodecanoic Acid (PFDA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorododecanesulfonic Acid (PFDoS)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorododecanoic Acid (PFDoA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluoroheptanesulfonic Acid (PFHpS)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluoroheptanoic Acid (PFHpA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorohexanesulfonic Acid (PFHxS)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorohexanoic Acid (PFHxA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorononanesulfonic Acid (PFNS)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorononanoic Acid (PFNA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorooctanesulfonamide (PFOSA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorooctanesulfonic Acid (PFOS)	2.7	-	-	-	-	-	-	-	-	1.55	U	**0.426**	**J**
Perfluorooctanoic Acid (PFOA)	6.7	-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluoropentanesulfonic Acid (PFPeS)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluoropentanoic Acid (PFPeA)		-	-	-	-	-	-	-	-	3.1	U	3.55	U
Perfluorotetradecanoic Acid (PFTeDA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluorotridecanoic Acid (PFTrDA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U
Perfluoroundecanoic Acid (PFUnA)		-	-	-	-	-	-	-	-	1.55	U	1.78	U

Notes:
- All values are reported in micrograms per liter (µg/L) / parts per billion (ppb) except PFAAs which are reported in nanograms per liter (ng/L) / parts per trillion (ppt).
- Analytical results compared to New York Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards & Guidance Values Criteria per Standards & Guidance Values including all addenda through February 2023.
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Blue qualifiers** were applied based on a third party data usability review.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.

- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J-" indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- "EMPC" indicates the results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Table 5
Site Management Plan
Soil Vapor Data Summary

LOCATION				SSV-101		IA-101		SSV-102		IA-102		SSV-103		SSV-103 RETEST		IA-103		CS-104		IA-104		CS-105		IA-105		SV-101		SV-102		SV-103		SV-104		SV-105		SV-106		SV-107		OA-101	
SAMPLING DATE				12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		1/14/2025		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024		12/4/2024	
LAB SAMPLE ID				L2471075-01		L2471075-02		L2471075-03		L2471075-04		L2471075-05		L2502298-01		L2471075-06		L2471075-07		L2471075-08		L2471075-09		L2471075-10		L2471075-11		L2471075-12		L2471075-13		L2471075-14		L2471075-15		L2471075-16		L2471075-17		L2471075-18	
SAMPLE TYPE				Sub-Slab Soil Vapor		Indoor Air		Sub-Slab Soil Vapor		Indoor Air		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Indoor Air		Crawl Space Air		Indoor Air		Crawl Space Air		Indoor Air		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Outdoor Air	
Analyte	**NYSDOH AGV**	**NYSDOH Matrix Indoor Air**	**NYSDOH Matrix Soil Vapor**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by TO-15																																							
1,1,1-Trichloroethane		3	100	1.09	UJ	1.09	U	1.09	U	1.09	UJ	3.64	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	UJ	1.09	U	1.09	U
1,1,2,2-Tetrachloroethane				1.37	UJ	1.37	U	1.37	U	1.37	UJ	4.58	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	UJ	1.37	U	1.37	U
1,1,2-Trichloroethane				1.09	UJ	1.09	U	1.09	U	1.09	UJ	3.64	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	UJ	1.09	U	1.09	U
1,1-Dichloroethene		0.2	6	0.793	UJ	0.793	U	0.793	U	0.793	UJ	2.64	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	UJ	0.793	U	0.793	U
1,2,4-Trichlorobenzene				1.48	UJ	1.48	U	1.48	U	1.48	UJ	4.95	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	UJ	1.48	U	1.48	U
1,2,4-Trimethylbenzene		2	60	0.983	UJ	0.983	U	0.983	U	0.983	UJ	3.28	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	**1.2**		**1.12**		**1.16**		**0.993**		**1.09**		0.983	UJ	0.983	U	0.983	U
1,2-Dibromoethane				1.54	UJ	1.54	U	1.54	U	1.54	UJ	5.13	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	UJ	1.54	U	1.54	U
1,2-Dichlorobenzene				1.2	UJ	1.2	U	1.2	U	1.2	UJ	4.01	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U
1,2-Dichloroethane				0.809	UJ	0.809	U	0.809	U	0.809	UJ	2.7	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	UJ	0.809	U	0.809	U
1,2-Dichloropropane				0.924	UJ	0.924	U	0.924	U	0.924	UJ	3.08	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	UJ	0.924	U	0.924	U
1,3,5-Trimethylbenzene		2	60	0.983	UJ	0.983	U	0.983	U	0.983	UJ	3.28	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	UJ	0.983	U	0.983	U
1,3-Butadiene				0.442	UJ	0.442	U	0.442	U	0.442	UJ	1.48	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	UJ	0.442	U	0.442	U
1,3-Dichlorobenzene				1.2	UJ	1.2	U	1.2	U	1.2	UJ	4.01	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	**1.29**		**1.32**		**1.28**		1.2	U	**1.33**		**1.41**	J	1.2	U	1.2	U
1,4-Dichlorobenzene				1.2	UJ	1.2	U	1.2	U	1.2	UJ	4.01	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U
1,4-Dioxane				0.721	UJ	0.721	U	0.721	U	0.721	UJ	2.4	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	UJ	0.721	U	0.721	U
2,2,4-Trimethylpentane		2	60	0.934	UJ	0.934	U	0.934	U	**0.99**	J	3.12	U	0.934	U	0.934	U	0.934	U	0.934	U	0.934	U	0.934	U	**3.69**		**3.24**		**3.92**		**3.7**		**3.24**		**4.61**	J	**3.58**		0.934	U
2-Butanone				1.47	UJ	1.47	U	1.47	U	1.47	UJ	4.93	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	**2.62**		**2.72**		**2.79**		**2.24**		**2.76**		**3.21**	J	**2.33**		1.47	U
2-Hexanone				0.82	UJ	0.82	U	0.82	U	0.82	UJ	2.73	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	UJ	0.82	U	0.82	U
3-Chloropropene				0.626	UJ	0.626	U	0.626	U	0.626	UJ	2.09	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	UJ	0.626	U	0.626	U
4-Ethyltoluene				0.983	UJ	0.983	U	0.983	U	0.983	UJ	3.28	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	UJ	0.983	U	0.983	U
4-Methyl-2-pentanone				2.05	UJ	2.05	U	2.05	U	2.05	UJ	6.84	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	UJ	2.05	U	2.05	U
Acetone				**16.4**	J	**5.37**		**5.32**		**5.08**	J	**17.5**		**13**		**4.47**		**5.13**		**138**		**7.41**		**59.1**		**54.9**		**59.9**		**61.8**		**46.3**		**61.5**		**126**	J	**48.7**		**3.66**	
Benzene		2	60	**2.09**	J	0.639	U	**1.77**		0.639	UJ	**25.3**		**2.66**		0.639	U	0.639	U	0.639	U	**0.725**		0.639	U	**1.27**		**1.4**		**1.32**		**1.29**		**1.28**		**1.92**	J	**1.36**		0.639	U
Benzyl chloride				1.04	UJ	1.04	U	1.04	U	1.04	UJ	3.45	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	UJ	1.04	U	1.04	U
Bromodichloromethane				1.34	UJ	1.34	U	1.34	U	1.34	UJ	4.47	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	UJ	1.34	U	1.34	U
Bromoform				2.07	UJ	2.07	U	2.07	U	2.07	UJ	6.9	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	UJ	2.07	U	2.07	U
Bromomethane				0.777	UJ	0.777	U	0.777	U	0.777	UJ	2.59	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	UJ	0.777	U	0.777	U
Carbon disulfide				**5.57**	J	0.623	U	**0.959**		0.623	UJ	**30.5**		**38.3**		0.623	U	**0.872**		0.623	U	**0.925**		0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	**0.757**	J	0.623	U	0.623	U
Chlorobenzene				0.921	UJ	0.921	U	0.921	U	0.921	UJ	3.07	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	UJ	0.921	U	0.921	U
Chloroethane				0.528	UJ	0.528	U	0.528	U	0.528	UJ	1.76	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	UJ	0.528	U	0.528	U
Chloroform				0.977	UJ	0.977	U	0.977	U	0.977	UJ	**17.8**		**6.49**		0.977	U	**10.6**		0.977	U	**8.79**		0.977	U	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U	0.977	UJ	0.977	U	0.977	U
Chloromethane				0.413	UJ	**1.07**		0.413	U	**1.07**	J	**5.06**		0.413	U	**1.09**		0.413	U	**1.13**		0.413	U	**1.1**		**1.27**		**1.36**		**1.44**		**1.33**		**1.53**		**1.08**	J	**1.55**		**1.02**	
cis-1,3-Dichloropropene				0.908	UJ	0.908	U	0.908	U	0.908	UJ	3.03	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	UJ	0.908	U	0.908	U
Cyclohexane		2	60	**10.7**	J	0.688	U	**3.65**		0.688	UJ	**157**		**66.1**		0.688	U	0.688	U	0.688	U	0.688	U	0.688	U	**1.35**		**1.25**		**1.41**		**1.36**		**1.16**		**1.85**	J	**1.34**		0.688	U
Dibromochloromethane				1.7	UJ	1.7	U	1.7	U	1.7	UJ	5.68	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	UJ	1.7	U	1.7	U
Dichlorodifluoromethane				**2.35**	J	**2.52**		**2.9**		**2.56**	J	**3.39**		**2.8**		**2.63**		**2.68**		**2.62**		**2.75**		**2.67**		**2.31**		**2.48**		**1.97**		**2.38**		**2.34**		**2.02**	J	**2.59**		**2.41**	
Ethanol				9.42	UJ	9.42	U	**11.4**		9.42	UJ	31.5	U	9.42	U	9.42	U	**14.5**		9.42	U	**17.1**		9.42	U	**644**		**529**		**641**		**522**		**594**		**486**	J	**539**		9.42	U
Ethyl Acetate				**2.75**	J	1.8	U	**3.3**		1.8	UJ	6.02	U	1.8	U	1.8	U	**6.16**		1.8	U	**6.49**		1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	UJ	1.8	U	1.8	U
Ethylbenzene		2	60	0.869	UJ	0.869	U	0.869	U	0.869	UJ	2.9	U	0.869	U	0.869	U	**0.899**		0.869	U	**1.3**		0.869	U	**0.999**		**0.973**		**1.14**		**0.912**		**0.912**		**1.03**	J	**0.986**		0.869	U
Freon-113				1.53	UJ	1.53	U	1.53	U	1.53	UJ	5.11	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	UJ	1.53	U	1.53	U
Freon-114				1.4	UJ	1.4	U	1.4	U	1.4	UJ	4.66	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	UJ	1.4	U	1.4	U
Heptane		6	200	**8.36**	J	0.82	U	**5.82**		0.82	UJ	**240**		**5.29**		0.82	U	0.82	U	0.82	U	**0.869**		0.82	U	**1.35**		**1.3**		**1.44**		**1.28**		**1.26**		**2.08**	J	**1.38**		0.82	U
Hexachlorobutadiene				2.13	UJ	2.13	U	**9.89**		2.13	UJ	7.11	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	UJ	2.13	U	2.13	U
Isopropanol				**34.7**	J	**2.53**		**46**		**2.27**	J	**40.3**		**15.3**		**1.52**		**85.5**		1.23	U	**97.8**		1.23	U	**30.2**		**17.7**		**30.5**		**25.1**		**24.8**		**15**	J	**23.5**		1.23	U
Methyl tert butyl ether				0.721	UJ	0.721	U	0.721	U	0.721	UJ	2.4	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	UJ	0.721	U	0.721	U
Methylene chloride	60	3	100	1.74	UJ	1.74	U	1.74	U	1.74	UJ	5.8	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	UJ	1.74	U	1.74	U
n-Hexane		6	200	**20.3**	J	0.705	U	**15.4**		**0.708**	J	**835**		**20.9**		0.705	U	**2.79**		0.705	U	**3.29**		0.705	U	**3.26**		**3.11**		**3.7**		**3.44**		**2.88**		**5.92**	J	**3.22**		0.705	U
o-Xylene		2	60	0.869	UJ	0.869	U	0.869	U	0.869	UJ	2.9	U	0.869	U	0.869	U	**0.886**		0.869	U	**1.27**		0.869	U	**1.36**		**1.32**		**1.49**		**1.22**		**1.26**		**1.28**	J	**1.35**		0.869	U
p/m-Xylene		6	200	1.74	UJ	1.74	U	**2**		1.74	UJ	5.78	U	1.74	U	1.74	U	**3.17**		1.74	U	**4.52**		1.74	U	**3.38**		**3.31**		**3.89**		**3**		**3.07**		**3.32**	J	**3.33**		1.74	U
Styrene				0.852	UJ	0.852	U	0.852	U	0.852	UJ	2.84	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	UJ	0.852	U	0.852	U
Tertiary butyl Alcohol				1.52	UJ	1.52	U	1.52	U	1.52	UJ	5.06	U	1.52	U	1.52	U	1.52	U	1.52	U	1.52	U	1.52	U	**6.28**		**5.52**		**6.28**		**6.31**		**6**		**4.82**	J	**5.43**		1.52	U
Tetrachloroethene	30	3	100	1.36	UJ	1.36	U	1.36	U	**7.46**	J	4.52	U	1.36	U	1.36	U	1.36	U	**14**		1.36	U	1.36	U	1.36	U	1.36	U	**4.29**		1.36	U	1.36	U	1.36	UJ	1.36	U	1.36	U
Tetrahydrofuran				1.47	UJ	1.47	U	1.47	U	1.47	UJ	4.93	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	U	1.47	UJ	1.47	U	1.47	U
Toluene		10	300	**3.12**	J	**1.32**		**3.46**		**4.26**	J	**8.22**		**1.22**		**1.41**		**4.86**		**1.63**		**8.89**		**1.64**		**6.14**		**5.99**		**7.35**		**5.69**		**5.62**		**9.04**	J	**6.59**		0.754	U
trans-1,2-Dichloroethene				0.793	UJ	0.793	U	0.793	U	0.793	UJ	2.64	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	UJ	0.793	U	0.793	U
trans-1,3-Dichloropropene				0.908	UJ	0.908	U	0.908	U	0.908	UJ	3.03	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	UJ	0.908	U	0.908	U
Trichlorofluoromethane				1.12	UJ	**1.23**		1.12	U	**1.18**	J	3.75	U	1.12	U	**1.24**		**1.16**		**1.23**		**1.15**		**1.19**		1.12	U	**1.25**		**1.14**		1.12	U	**1.25**		1.12	UJ	**1.18**		**1.24**	
Vinyl bromide				0.874	UJ	0.874	U	0.874	U	0.874	UJ	2.92	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	UJ	0.874	U	0.874	U
Volatile Organics by TO-15 SIM																																							
1,1-Dichloroethane				0.081	UJ	0.081	U	0.081	U	0.081	UJ	0.27	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	UJ	0.081	U	0.081	U
Carbon tetrachloride		0.2	6	**0.365**	J	**0.434**		**0.415**		**0.409**	J	**667**		**90.6**		**0.472**		**0.554**		**0.428**		**0.591**		**0.434**		**0.302**		**0.283**		**0.296**		**0.277**		**0.308**		**0.226**	J	**0.321**		**0.409**	
cis-1,2-Dichloroethene		0.2	6	0.079	UJ	0.079	U	0.079	U	0.079	UJ	0.264	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	UJ	0.079	U	0.079	U
Naphthalene		2	60	0.262	UJ	0.262	U	**0.708**		0.262	UJ	0.876	U	0.262	U	0.262	U	**0.519**		**0.351**		0.262	U	**0.304**		0.262	U	0.262	U	0.262	U	0.262	U	0.262	U	0.262	UJ	0.262	U	0.262	U
Trichloroethene	2	0.2	6	**0.226**	J	0.107	U	**0.333**		0.107	UJ	0.358	U	**0.107**		0.107	U	**0.828**		0.107	U	**0.726**		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	UJ	0.107	U	0.107	U
Vinyl chloride		0.2	6	0.051	UJ	0.051	U	0.051	U	0.051	UJ	0.171	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	**0.23**		**0.268**		**0.263**		**0.228**		**0.268**		**0.184**	J	**0.263**		0.051	U

Notes:
- All values are reporting in micrograms per cubic meter (ug/m3)
- Analytical results compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and NYSDOH Soil Vapor / Indoor Air Decision Matrices, May 2017. Only those analytes with accompanying NYSDOH guidance values are shown.
- Paired sample locations are SSV-101 / IA-101, SSV-102 / IA-102, SSV-103 / IA-103, CS-104 / IA-104, and CS-105 / IA-105.
- Highlighted yellow cell indicates the analyte exceeds the respective NYSDOH AGV.
- For analytes that exceed a Decision Matrix value, highlighted green cell indicates "No Further Action" and highlighted red cell indicates "Mitigate."
- **Blue qualifiers** were applied based on a third party data usability review.
- "U" indicates the analyte not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.

Table 6
Site Management Plan
Passive Soil Gas Sampler Data Summary

LOCATION				SSV-103		SSV-103 RETEST		PSG-101		PSG-102		PSG-103		PSG-104		PSG-105		PSG-106		PSG-107		PSG-108		PSG-109		PSG-110		PSG-111		PSG-112		PSG-113		PSG-114		PSG-115		TRIP BLANK	
SAMPLING DATE				12/4/2024		1/14/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025	
LAB SAMPLE ID				L2471075-05		L2502298-01		211313		211314		211315		211310		211312		211308		211309		211308		211304		211305		211306		211307		211289		211290		211291		211316	
SAMPLE TYPE				Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor		Sub-Slab Soil Vapor	
Analyte	NYSDOH AGV	NYSDOH Matrix Indoor Air	NYSDOH Matrix Soil Vapor	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by TO-15 SIM																																					
Carbon tetrachloride		0.2	6	667		90.6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organics by Modified USEPA Method 8260																																					
Carbon tetrachloride		0.2	6	-	-	-	-	75.8	U	75.8	U	197		2230		82.6		75.7	U	75.7	U	166		75.5	U	75.6	U	75.6	U	618		75.5	U	75.5	U	75.5	U	75.6	U

Notes:
- All values are reporting in micrograms per cubic meter (ug/m3)
- Analytical results compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and NYSDOH Soil Vapor / Indoor Air Decision Matrices, May 2017. Only those analytes with accompanying NYSDOH guidance values are shown.
- For analytes that exceed a Decision Matrix value, highlighted red cell indicates "Mitigate."
- Highlighted grey cell indicates the detection limit exceeded the respective NYSDOH guidance value.
- "U" indicates the analyte not detected at the reported detection limit for the sample.

Table 7
Site Management Plan
SVE System Soil Vapor Data Summary

LOCATION		SVE-101		SVE-101		SVE-101		SVE-101		SVE-101		SVE-101		SVE-101 (Tedlar)		SVE-101 (Summa)		SVE-101		SVE-101	
SAMPLING DATE		7/14/2025		7/21/2025		7/28/2025		8/4/2025		8/11/2025		8/18/2025		8/26/2025		8/26/2025		9/2/2025		9/9/2025	
LAB SAMPLE ID		L2544000-01		L2546085-01		L2547116-01		L2548746-01		L2550287-01		L2552041-01		L2553844-01		L2553844-02		L2555009-01		L2556691-01	
SAMPLE TYPE		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
SAMPLE DEPTH (ft.)		3-8		3-8		3-8		3-8		3-8		3-8		3-8		3-8		3-8		3-8	
	NYSDOH Matrix Soil Vapor	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																					
1,1,1-Trichloroethane	100	682	U	27.8	U	16.8	U	7.75	U	26	U	4.51	U	4.54	U	6.98	U	3.73	U	2.1	U
1,1,2,2-Tetrachloroethane		858	U	35	U	21.1	U	9.75	U	32.7	U	5.67	U	5.72	U	8.79	U	4.7	U	2.64	U
1,1,2-Trichloroethane		682	U	27.8	U	16.8	U	7.75	U	26	U	4.51	U	4.54	U	6.98	U	3.73	U	2.1	U
1,1-Dichloroethane		506	U	20.6	U	12.4	U	5.75	U	19.3	U	3.34	U	3.37	U	5.18	U	2.77	U	1.55	U
1,1-Dichloroethene	6	496	U	20.2	U	12.2	U	5.63	U	18.9	U	3.27	U	3.3	U	5.07	U	2.71	U	1.52	U
1,2,4-Trichlorobenzene		928	U	95	U	56.9	U	26.4	U	88.3	U	15.4	U	15.4	U	23.8	U	12.7	U	7.13	U
1,2,4-Trimethylbenzene	60	615	U	25.1	U	**10.6**	**J**	6.98	U	23.4	U	4.06	U	4.1	U	6.29	U	**3.53**		1.89	U
1,2-Dibromoethane		961	U	39.2	U	23.6	U	10.9	U	36.6	U	6.35	U	6.4	U	9.84	U	5.26	U	2.95	U
1,2-Dichlorobenzene		752	U	30.7	U	18.5	U	8.54	U	28.6	U	4.97	U	5.01	U	7.7	U	4.11	U	2.31	U
1,2-Dichloroethane		506	U	20.6	U	12.4	U	5.75	U	19.3	U	3.34	U	3.37	U	5.18	U	2.77	U	1.55	U
1,2-Dichloropropane		578	U	23.6	U	14.2	U	6.56	U	22	U	3.82	U	3.85	U	5.92	U	3.16	U	1.77	U
1,3,5-Trimethybenzene	60	615	U	25.1	U	15.1	U	6.98	U	23.4	U	4.06	U	4.1	U	6.29	U	3.36	U	1.89	U
1,3-Butadiene		277	U	11.3	U	6.79	U	3.14	U	10.5	U	**1.83**		1.84	U	2.83	U	1.51	U	0.85	U
1,3-Dichlorobenzene		752	U	30.7	U	18.5	U	8.54	U	28.6	U	4.97	U	5.01	U	7.7	U	4.11	U	2.31	U
1,4-Dichlorobenzene		752	U	30.7	U	18.5	U	8.54	U	28.6	U	4.97	U	5.01	U	7.7	U	4.11	U	2.31	U
1,4-Dioxane		450	U	91.9	U	55.1	U	25.6	U	85.8	U	14.9	U	15	U	23.2	U	12.3	U	6.92	U
2,2,4-Trimethylpentane	60	584	U	238	U	143	U	66.3	U	222	U	38.6	U	38.9	U	59.8	U	31.9	U	17.9	U
2-Butanone		**3950**		**1090**		**1020**		**475**		**1100**		**206**		**89.1**		**170**		**549**		**36.6**	
2-Hexanone		512	U	209	U	126	U	58.2	U	195	U	33.9	U	34.1	U	52.5	U	28	U	15.7	U
3-Chloropropene		391	U	160	U	96.1	U	44.4	U	149	U	25.9	U	26.1	U	40.1	U	21.4	U	12	U
4-Ethyltoluene		615	U	25.1	U	15.1	U	6.98	U	23.4	U	4.06	U	4.1	U	6.29	U	3.36	U	1.89	U
4-Methyl-2-pentanone		1280	U	525	U	314	U	145	U	488	U	84.8	U	85.2	U	132	U	70.1	U	39.3	U
Acetone		**48900**		**19800**		**17300**		**6840**		**14600**		**4800**		**2320**		**2250**		**11100**		**359**	
Benzene	60	399	U	81.5	U	**17.6**	**J**	22.7	U	76	U	16.6		13.3	U	20.5	U	10.9	U	**14**	
Benzyl chloride		647	U	132	U	79.2	U	36.8	U	123	U	21.4	U	21.6	U	33.3	U	17.7	U	9.94	U
Bromodichloromethane		837	U	34.2	U	20.6	U	9.51	U	31.9	U	5.53	U	5.58	U	8.58	U	4.58	U	2.57	U
Bromoform		1290	U	52.7	U	31.7	U	14.7	U	49.2	U	8.54	U	8.61	U	13.2	U	7.07	U	3.97	U
Bromomethane		485	U	19.8	U	11.9	U	5.51	U	18.5	U	3.21	U	3.23	U	4.97	U	2.66	U	1.49	U
Carbon disulfide		389	U	**34.9**	**J**	**28.6**	**J**	44.2	U	148	U	**28.1**		25.9	U	39.9	U	21.3	U	**15.2**	
Carbon tetrachloride	6	786	U	32.1	U	19.3	U	8.93	U	29.9	U	**5.46**		5.24	U	**42.8**		**99.4**		**6.67**	
Chlorobenzene		576	U	117	U	**32.5**	**J**	32.7	U	110	U	**30.8**		**26.5**		29.6	U	**17.5**		**34.8**	
Chloroethane		330	U	67.3	U	40.4	U	18.7	U	62.8	U	10.9	U	11	U	17	U	9.02	U	5.07	U
Chloroform		610	U	24.9	U	**9.72**	**J**	6.93	U	23.2	U	**5.23**		4.07	U	**77.6**		**17**		**1.97**	
Chloromethane		258	U	105	U	63.4	U	29.3	U	98.3	U	17.1	U	17.2	U	26.4	U	**14.8**		7.93	U
cis-1,2-Dichloroethene	6	496	U	20.2	U	12.2	U	5.63	U	18.9	U	3.27	U	3.3	U	5.07	U	2.71	U	1.52	U
cis-1,3-Dichloropropene		567	U	23.2	U	13.9	U	6.45	U	21.6	U	3.75	U	3.78	U	5.81	U	3.11	U	1.74	U
Cyclohexane	60	430	U	176	U	106	U	48.9	U	164	U	28.4	U	28.7	U	44.1	U	23.5	U	13.2	U
Dibromochloromethane		1060	U	43.4	U	26.2	U	12.1	U	40.6	U	7.04	U	7.1	U	10.9	U	5.83	U	3.27	U
Dichlorodifluoromethane		618	U	252	U	152	U	70.2	U	235	U	40.8	U	41.2	U	63.3	U	33.8	U	19	U
Ethanol		5880	U	2410	U	1450	U	669	U	2240	U	390	U	392	U	605	U	322	U	181	U
Ethyl Acetate		1120	U	461	U	276	U	128	U	429	U	74.6	U	75	U	116	U	61.6	U	34.6	U
Ethylbenzene	60	543	U	**29.9**		**12.6**	**J**	**9.56**		20.7	U	**10.6**		**6.86**		5.56	U	**6.69**		**9.43**	
Freon-113		958	U	98.1	U	58.8	U	27.2	U	91.2	U	15.9	U	15.9	U	24.6	U	13.1	U	7.36	U
Freon-114		874	U	89.5	U	53.6	U	24.8	U	83.2	U	14.5	U	14.5	U	22.4	U	12	U	6.71	U
Heptane	200	512	U	**216**		**242**		**251**		**215**		**235**		**90.6**		52.5	U	**95.1**		**144**	
Hexachlorobutadiene		1330	U	137	U	81.8	U	37.9	U	127	U	22.1	U	22.2	U	34.2	U	18.2	U	10.2	U
Isopropanol		1540	U	**406**	**J**	**226**	**J**	**300**		585	U	**285**		**809**		**1410**		**2880**		47.2	U
Methyl tert butyl ether		451	U	184	U	111	U	51.2	U	172	U	29.8	U	30	U	46.1	U	24.7	U	13.8	U
Methylene chloride	100	1080	U	445	U	266	U	123	U	413	U	71.9	U	72.3	U	112	U	59.4	U	33.4	U
n-Hexane	200	441	U	**59.2**	**J**	**61**	**J**	**94.1**		168	U	**56.7**		**61.7**		**142**		**260**		13.5	U
Naphthalene	60	624	U	67.1	U	40.2	U	18.6	U	62.4	U	10.9	U	10.9	U	16.8	U	8.97	U	5.03	U
o-Xylene	60	543	U	22.2	U	**14.6**		**10.2**		20.7	U	**9.86**		**7.95**		5.56	U	**8.17**		**10.5**	
p/m-Xylene	200	1090	U	**24.4**	**J**	**39.3**		**29.3**		41.4	U	**28.9**		**19.5**		11.2	U	**20.9**		**28**	
Styrene		532	U	**16.3**	**J**	**6.51**	**J**	6.05	U	20.3	U	**4.94**		**3.55**		5.45	U	**5.83**		**4.17**	
Tertiary butyl Alcohol		946	U	388	U	233	U	108	U	361	U	62.8	U	**606**		**1240**		**858**		29.1	U
Tetrachloroethene	100	848	U	**88.2**		20.8	U	9.63	U	32.3	U	5.6	U	5.65	U	8.68	U	4.64	U	2.6	U
Tetrahydrofuran		**118000**		**29800**		**28400**	**E**	**10700**	**E**	**25100**		**5600**		**4160**		**5540**		**149000**		**2010**	
Toluene	300	471	U	**30.8**	**J**	**27.2**	**J**	26.8	U	89.7	U	**17.7**		**16.3**		24.2	U	**19.9**		**13.6**	
trans-1,2-Dichloroethene		496	U	20.2	U	12.2	U	5.63	U	18.9	U	3.27	U	3.3	U	5.07	U	2.71	U	1.52	U
trans-1,3-Dichloropropene		567	U	23.2	U	13.9	U	6.45	U	21.6	U	3.75	U	3.78	U	5.81	U	3.11	U	1.74	U
Trichloroethene	6	672	U	27.4	U	16.5	U	7.63	U	25.6	U	4.44	U	4.48	U	**15.9**		**4.41**		**2.99**	
Trichlorofluoromethane		702	U	71.9	U	43.1	U	19.9	U	66.9	U	11.6	U	11.7	U	18	U	9.61	U	5.39	U
Vinyl bromide		547	U	223	U	134	U	62.1	U	208	U	36.1	U	36.4	U	56	U	29.9	U	16.8	U
Vinyl chloride	6	320	U	13	U	7.85	U	3.63	U	12.2	U	2.11	U	2.13	U	3.27	U	1.75	U	0.982	U

Notes:

- All values are in micrograms per cubic meter (ug/m3)

- Analytical results compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and NYSDOH Soil Vapor / Indoor Air Decision Matrices, May 2017.

- Highlighted yellow cells indicate the analyte concentration exceeds the lowest tier of the NYSDOH Decision Matrix for Soil Vapor.

- Highlighted grey cell indicates that the detection limit exceeded the respective Decision Matrix value.

- "U" indicates the analyte not detected at the reported detection limit for the sample.
- "J" indicates estimated concentration.

Table 7
Site Management Plan
SVE System Soil Vapor Data Summary

LOCATION		SVE-102		SVE-102		SVE-102		SVE-102		SVE-102		SVE-102		SVE-102 (Tedlar)		SVE-102 (Summa)		SVE-102		SVE-102	
SAMPLING DATE		7/14/2025		7/21/2025		7/28/2025		8/4/2025		8/11/2025		8/18/2025		8/26/2025		8/26/2025		9/2/2025		9/9/2025	
LAB SAMPLE ID		L2544000-02		L2546085-02		L2547116-02		L2548746-02		L2550287-02		L2552041-02		L2553844-03		L2553844-04		L2555009-02		L2556691-02	
SAMPLE TYPE		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
SAMPLE DEPTH (ft.)		3-8		3-8		3-8		3-8		3-8		3-8		3-8		3-8		3-8		3-8	
	NYSDOH Matrix Soil Vapor	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																					
1,1,1-Trichloroethane	100	578	U	21.3	U	12.5	U	6.44	U	13	U	3.22	U	2.83	U	2.78	U	7.64	U	2.48	U
1,1,2,2-Tetrachloroethane		728	U	26.9	U	15.7	U	8.1	U	16.3	U	4.06	U	3.56	U	3.5	U	9.61	U	3.12	U
1,1,2-Trichloroethane		578	U	21.3	U	12.5	U	6.44	U	13	U	3.22	U	2.83	U	2.78	U	7.64	U	2.48	U
1,1-Dichloroethane		429	U	15.8	U	9.27	U	4.78	U	9.63	U	2.39	U	2.1	U	2.06	U	5.67	U	1.84	U
1,1-Dichloroethene	6	420	U	15.5	U	9.08	U	4.68	U	9.44	U	2.34	U	2.05	U	2.02	U	5.55	U	1.8	U
1,2,4-Trichlorobenzene		787	U	72.5	U	42.6	U	21.8	U	44.2	U	11	U	9.58	U	9.43	U	25.9	U	8.39	U
1,2,4-Trimethylbenzene	60	521	U	19.2	U	**5.65**	**J**	5.8	U	11.7	U	2.91	U	2.55	U	2.5	U	**7.92**		2.23	U
1,2-Dibromoethane		815	U	30	U	17.6	U	9.07	U	18.3	U	4.54	U	3.98	U	3.91	U	10.8	U	3.49	U
1,2-Dichlorobenzene		637	U	23.5	U	13.8	U	7.09	U	14.3	U	3.55	U	3.11	U	3.06	U	8.42	U	2.73	U
1,2-Dichloroethane		429	U	15.8	U	9.27	U	4.78	U	9.63	U	2.39	U	2.1	U	2.06	U	5.67	U	1.84	U
1,2-Dichloropropane		490	U	18.1	U	10.6	U	5.45	U	11	U	2.73	U	2.39	U	2.35	U	6.47	U	2.1	U
1,3,5-Trimethybenzene	60	521	U	19.2	U	11.3	U	5.8	U	11.7	U	2.91	U	2.55	U	2.5	U	6.88	U	2.23	U
1,3-Butadiene		235	U	8.65	U	5.07	U	2.61	U	5.27	U	1.31	U	1.15	U	1.13	U	3.1	U	1	U
1,3-Dichlorobenzene		637	U	23.5	U	13.8	U	7.09	U	14.3	U	3.55	U	3.11	U	3.06	U	8.42	U	2.73	U
1,4-Dichlorobenzene		637	U	23.5	U	13.8	U	7.09	U	14.3	U	3.55	U	3.11	U	3.06	U	8.42	U	2.73	U
1,4-Dioxane		382	U	70.3	U	41.4	U	21.2	U	42.9	U	10.7	U	9.33	U	9.15	U	25.2	U	8.18	U
2,2,4-Trimethylpentane	60	495	U	183	U	107	U	55.1	U	111	U	27.6	U	24.2	U	23.8	U	65.4	U	21.2	U
2-Butanone		**13500**		**3010**		**2720**		**1670**		**1930**		**439**		**242**		**278**		**416**		**197**	
2-Hexanone		434	U	160	U	93.8	U	48.4	U	97.5	U	24.2	U	21.2	U	20.9	U	57.4	U	18.6	U
3-Chloropropene		332	U	122	U	71.7	U	36.9	U	74.5	U	18.5	U	16.2	U	15.9	U	43.8	U	14.2	U
4-Ethyltoluene		521	U	19.2	U	11.3	U	5.8	U	11.7	U	2.91	U	2.55	U	2.5	U	6.88	U	2.23	U
4-Methyl-2-pentanone		1090	U	400	U	235	U	120	U	244	U	60.7	U	52.9	U	52	U	143	U	46.3	U
Acetone		**42300**		**12900**		**9880**		**5440**		**6270**		**2370**		**1020**		**943**		**2370**		**727**	
Benzene	60	339	U	62.3	U	**13.5**	**J**	18.8	U	38	U	**12.3**		**9.33**		8.11	U	22.3	U	**10**	
Benzyl chloride		549	U	101	U	59.5	U	30.4	U	61.6	U	15.3	U	13.4	U	13.2	U	36.1	U	11.8	U
Bromodichloromethane		710	U	26.2	U	15.3	U	7.91	U	15.9	U	3.96	U	3.47	U	3.41	U	9.38	U	3.04	U
Bromoform		1100	U	40.4	U	23.7	U	12.2	U	24.6	U	6.11	U	5.36	U	5.26	U	14.5	U	4.69	U
Bromomethane		412	U	15.2	U	8.89	U	4.58	U	9.24	U	2.29	U	2.01	U	1.98	U	5.44	U	1.76	U
Carbon disulfide		330	U	**24.3**	**J**	**21.4**	**J**	36.7	U	74.1	U	**22.6**		16.1	U	15.9	U	43.6	U	14.1	U
Carbon tetrachloride	6	667	U	**24.6**		**11.6**	**J**	**11.8**		15	U	**10.8**		**5.37**		**7.36**		**17.1**		**6.28**	
Chlorobenzene		488	U	89.8	U	**30.6**	**J**	27.1	U	54.8	U	26		**26**		**15.6**		32.1	U	**28.3**	
Chloroethane		280	U	51.5	U	30.3	U	15.5	U	31.4	U	7.81	U	6.83	U	6.7	U	18.4	U	5.99	U
Chloroform		518	U	**18.1**	**J**	**14**		**13.8**		11.6	U	**12**		**6.2**		**9.67**		**10.5**		**5.96**	
Chloromethane		219	U	80.7	U	47.3	U	24.4	U	49.1	U	12.2	U	10.7	U	10.5	U	28.9	U	9.38	U
cis-1,2-Dichloroethene	6	420	U	15.5	U	9.08	U	4.68	U	9.44	U	2.34	U	2.05	U	2.02	U	5.55	U	1.8	U
cis-1,3-Dichloropropene		481	U	17.8	U	10.4	U	5.36	U	10.8	U	2.68	U	2.35	U	2.31	U	6.36	U	2.06	U
Cyclohexane	60	365	U	135	U	78.8	U	40.6	U	81.9	U	20.3	U	17.8	U	17.5	U	48.2	U	15.6	U
Dibromochloromethane		903	U	33.3	U	19.5	U	10.1	U	20.3	U	5.03	U	4.41	U	4.34	U	11.9	U	3.87	U
Dichlorodifluoromethane		524	U	193	U	113	U	58.3	U	118	U	29.2	U	25.6	U	25.2	U	69.2	U	22.4	U
Ethanol		5010	U	1840	U	1080	U	554	U	1120	U	279	U	243	U	239	U	658	U	213	U
Ethyl Acetate		959	U	352	U	207	U	106	U	214	U	53.3	U	46.5	U	45.8	U	126	U	40.7	U
Ethylbenzene	60	460	U	**11**	**J**	**11.5**		**9.95**		**10.9**		**9.12**		**6.17**		**2.76**		**9.69**		**6.99**	
Freon-113		812	U	**16.5**	**J**	**9.66**	**J**	22.5	U	45.6	U	11.3	U	9.89	U	9.73	U	26.7	U	8.66	U
Freon-114		741	U	68.2	U	40.1	U	20.5	U	41.6	U	10.3	U	9.02	U	8.88	U	24.4	U	7.9	U
Heptane	200	434	U	**158**	**J**	**166**		**211**		**179**		**165**		**75.8**		20.9	U	**85.7**		**82.4**	
Hexachlorobutadiene		1130	U	104	U	61.2	U	31.4	U	63.5	U	15.8	U	13.8	U	13.5	U	37.2	U	12.1	U
Isopropanol		1310	U	**408**	**J**	**144**	**J**	**165**		293	U	**195**		63.7	U	62.4	U	**6860**		55.8	U
Methyl tert butyl ether		382	U	141	U	82.6	U	42.5	U	85.8	U	21.3	U	18.7	U	18.4	U	50.5	U	16.4	U
Methylene chloride	100	924	U	339	U	199	U	102	U	207	U	51.4	U	44.8	U	44.1	U	121	U	39.3	U
n-Hexane	200	374	U	**115**	**J**	**31.5**	**J**	**58.2**		83.9	U	**31.2**		18.3	U	17.9	U	**895**		16	U
Naphthalene	60	530	U	51.2	U	30.1	U	15.4	U	31.2	U	7.76	U	6.76	U	6.66	U	18.3	U	5.92	U
o-Xylene	60	460	U	**10.2**	**J**	**11.9**		**11**		**11.9**		**8.86**		**7.21**		**5.08**		**12.7**		**8.08**	
p/m-Xylene	200	925	U	**30.5**	**J**	**33.4**		**30.7**		**35.7**		**24.2**		**17.3**		**9.51**		**33.4**		**20.5**	
Styrene		451	U	16.6	U	**6.81**	**J**	**5.02**		10.1	U	**4.64**		**3.3**		**4.01**		**9.79**		**3.28**	
Tertiary butyl Alcohol		806	U	296	U	174	U	89.1	U	180	U	44.9	U	39.1	U	38.5	U	**1140**		34.3	U
Tetrachloroethene	100	719	U	**69.2**		15.5	U	8	U	16.1	U	4.01	U	3.51	U	3.45	U	9.49	U	3.08	U
Tetrahydrofuran		**104000**		**23700**		**19500**	**E**	**10500**	**E**	**13100**		**3660**		**3270**		**2890**		**21800**		**2750**	
Toluene	300	399	U	**30.2**	**J**	**23.8**	**J**	22.2	U	44.8	U	**14.9**		9.76	U	9.57	U	**33.7**		**10.1**	
trans-1,2-Dichloroethene		420	U	15.5	U	9.08	U	4.68	U	9.44	U	2.34	U	2.05	U	2.02	U	5.55	U	1.8	U
trans-1,3-Dichloropropene		481	U	17.8	U	10.4	U	5.36	U	10.8	U	2.68	U	2.35	U	2.31	U	6.36	U	2.06	U
Trichloroethene	6	570	U	21	U	12.3	U	6.34	U	12.8	U	3.18	U	2.78	U	2.74	U	7.52	U	2.44	U
Trichlorofluoromethane		596	U	**11**	**J**	32.3	U	16.5	U	33.4	U	8.32	U	7.25	U	7.14	U	19.6	U	6.35	U
Vinyl bromide		463	U	171	U	100	U	51.6	U	104	U	25.8	U	22.6	U	22.3	U	61.2	U	19.8	U
Vinyl chloride	6	271	U	9.99	U	5.85	U	3.02	U	6.08	U	1.51	U	1.32	U	1.3	U	3.58	U	1.16	U

Notes:

- All values are in micrograms per cubic meter (ug/m3)

- Analytical results compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and NYSDOH Soil Vapor / Indoor Air Decision Matrices, May 2017.

- Highlighted yellow cells indicate the analyte concentration exceeds the lowest tier of the NYSDOH Decision Matrix for Soil Vapor.

- Highlighted grey cell indicates that the detection limit exceeded the respective Decision Matrix value.

- "U" indicates the analyte not detected at the reported detection limit for the sample.
- "J" indicates estimated concentration.

Table 8
Site Management Plan
UST Closure Confirmatory Soil Data Summary

LOCATION				B-1		B-2		B-3		W-1		W-2		W-3		W-4		DUP-042225 (W-3)	
SAMPLING DATE				4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025	
LAB SAMPLE ID				L2524797-01		L2524797-02		L2524797-03		L2524797-04		L2524797-05		L2524797-06		L2524797-07		L2524797-10	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE LOCATION				Base - West Side		Base - Center		Base - East Side		South Wall		North Wall		West Wall		East Wall		West Wall	
SAMPLE DEPTH (ft.)				12		12		12		10		10		10		10		10	
Analytes	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by EPA 5035																			
1,1,1-Trichloroethane	0.68	500	0.68	0.0013	U	0.0041	U	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	U	0.00095	U
1,1,2,2-Tetrachloroethane				0.0013	UJ	0.0041	UJ	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	UJ	0.00095	UJ
1,1,2-Trichloroethane				0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	U
1,1-Dichloroethane	0.27	240	0.27	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
1,1-Dichloroethene	0.33	500	0.33	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
1,2,4-Trichlorobenzene				0.0053	UJ	0.016	UJ	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	UJ	0.0038	UJ
1,2,4-Trimethylbenzene	3.6	190	3.6	0.0053	UJ	0.016	UJ	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	UJ	0.0038	UJ
1,2-Dibromo-3-chloropropane				0.0079	UJ	0.024	UJ	0.016	U	0.0046	U	0.0056	U	0.0058	U	0.0091	UJ	0.0057	UJ
1,2-Dibromoethane				0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	U
1,2-Dichlorobenzene	1.1	500	1.1	0.0053	UJ	0.016	UJ	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	UJ	0.0038	UJ
1,2-Dichloroethane	0.02	30	0.02	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
1,2-Dichloropropane				0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
1,3,5-Trimethylbenzene	8.4	190	8.4	0.0053	UJ	0.016	UJ	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	U	0.0038	UJ
1,3-Dichlorobenzene	2.4	280	2.4	0.0053	UJ	0.016	UJ	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	UJ	0.0038	UJ
1,4-Dichlorobenzene	1.8	130	1.8	0.0053	UJ	0.016	UJ	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	UJ	0.0038	UJ
2-Butanone	0.12	500	0.12	0.026	U	0.082	U	0.053	U	0.016	U	**0.011**	**J**	**0.0097**	**J**	**0.02**	**J**	**0.019**	
2-Hexanone				0.026	U	0.082	U	0.053	U	0.016	U	0.019	U	0.019	U	0.03	UJ	0.019	U
4-Methyl-2-pentanone				0.026	U	0.082	U	0.053	U	0.016	U	0.019	U	0.019	U	0.03	UJ	0.019	U
Acetone	0.05	500	0.05	0.026	U	0.082	U	0.028	U	0.016	U	**0.064**		**0.055**	**J**	**0.14**		**0.089**	**J**
Benzene	0.06	44	0.06	0.0013	U	0.0041	U	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	U	0.00095	U
Bromodichloromethane				0.0013	U	0.0041	U	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	UJ	0.00095	U
Bromoform				0.01	UJ	0.033	UJ	0.021	U	0.0062	U	0.0075	U	0.0077	U	0.012	UJ	0.0076	UJ
Bromomethane				0.0053	U	0.016	U	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	UJ	0.0038	U
Carbon disulfide				0.026	U	0.082	U	0.053	U	0.016	U	0.019	U	0.019	U	0.03	U	0.019	U
Carbon tetrachloride	0.76	22	0.76	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
Chlorobenzene	1.1	500	1.1	0.0013	U	0.0041	U	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	UJ	0.00095	U
Chloroethane				0.0053	U	0.016	U	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	U	0.0038	U
Chloroform	0.37	350	0.37	0.0039	U	0.012	U	0.008	U	0.0023	U	0.0028	U	0.0029	U	0.0045	U	0.0028	U
Chloromethane				0.01	U	0.033	U	0.021	U	0.0062	U	0.0075	U	0.0077	U	0.012	U	0.0076	U
cis-1,2-Dichloroethene	0.25	500	0.25	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
cis-1,3-Dichloropropene				0.0013	U	0.0041	U	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	UJ	0.00095	U
Cyclohexane				0.026	U	0.082	U	0.053	U	0.016	U	0.019	U	0.019	U	0.03	U	0.019	U
Dibromochloromethane				0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	U
Dichlorodifluoromethane				0.026	U	0.082	U	0.053	U	0.016	U	0.019	U	0.019	U	0.03	U	0.019	U
Ethylbenzene	1	390	1	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	U
Freon-113				0.01	U	0.033	U	0.021	U	0.0062	U	0.0075	U	0.0077	U	0.012	U	0.0076	U
Isopropylbenzene				0.0026	UJ	0.0082	UJ	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	UJ
Methyl Acetate				0.01	U	0.033	U	0.021	U	0.0062	U	0.0075	U	0.0077	U	0.012	U	0.0076	U
Methyl cyclohexane				0.01	U	0.033	U	0.021	U	0.0062	U	0.0075	U	0.0077	U	0.012	U	0.0076	U
Methyl tert butyl ether	0.93	500	0.93	0.0053	U	0.016	U	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	U	0.0038	U
Methylene chloride	0.05	500	0.05	0.013	U	0.041	U	0.027	U	0.0078	U	0.0094	U	0.0096	U	0.015	UJ	0.0095	U
n-Butylbenzene	12	500	12	0.0026	UJ	0.0082	UJ	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	UJ
n-Propylbenzene	3.9	500	3.9	0.0026	UJ	0.0082	UJ	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	UJ
Naphthalene	12	500	12	0.01	UJ	0.033	UJ	0.021	UJ	0.0062	UJ	0.0075	UJ	0.0077	UJ	0.012	UJ	0.0076	U
o-Xylene				0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	U
p-Isopropyltoluene				0.0026	UJ	0.0082	UJ	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	UJ
p/m-Xylene				0.0053	U	0.016	U	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	U	0.0038	U
sec-Butylbenzene	11	500	11	0.0026	UJ	0.0082	UJ	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	**0.00058**	**J**
Styrene				0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	U
tert-Butylbenzene	5.9	500	5.9	0.0053	UJ	0.016	UJ	0.011	U	0.0031	U	0.0038	U	0.0038	U	0.006	U	0.0038	UJ
Tetrachloroethene	1.3	150	1.3	0.0013	U	0.0041	U	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	U	0.00095	U
Toluene	0.7	500	0.7	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.0039	U	0.012	U	0.008	U	0.0023	U	0.0028	U	0.0029	U	0.0045	U	0.0028	U
trans-1,3-Dichloropropene				0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	UJ	0.0019	U
Trichloroethene	0.47	200	0.47	0.0013	U	0.0041	U	0.0027	U	0.00078	U	0.00094	U	0.00096	U	0.0015	U	0.00095	U
Trichlorofluoromethane				0.01	U	0.033	U	0.021	U	0.0062	U	0.0075	U	0.0077	U	0.012	U	0.0076	U
Vinyl chloride	0.02	13	0.02	0.0026	U	0.0082	U	0.0053	U	0.0016	U	0.0019	U	0.0019	U	0.003	U	0.0019	U
Semivolatile Organics by GC/MS																			
1,2,4,5-Tetrachlorobenzene				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2,3,4,6-Tetrachlorophenol				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2,4,5-Trichlorophenol				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2,4,6-Trichlorophenol				1	U	0.94	U	0.38	U	0.12	U	0.18	U	0.16	U	0.23	U	0.8	U
2,4-Dichlorophenol				1.5	U	1.4	U	0.57	U	0.18	U	0.28	U	0.24	U	0.35	U	1.2	U
2,4-Dimethylphenol				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2,4-Dinitrophenol				8.2	U	7.5	U	3	U	0.94	U	1.5	U	1.3	U	1.9	R	6.4	U
2,4-Dinitrotoluene				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2,6-Dinitrotoluene				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2-Chloronaphthalene				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2-Chlorophenol				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2-Methylnaphthalene				2	U	1.9	U	0.76	U	**0.31**		0.37	U	0.32	U	0.47	U	**0.27**	**J**

Table 8
Site Management Plan
UST Closure Confirmatory Soil Data Summary

LOCATION				B-1		B-2		B-3		W-1		W-2		W-3		W-4		DUP-042225 (W-3)	
SAMPLING DATE				4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025		4/22/2025	
LAB SAMPLE ID				L2524797-01		L2524797-02		L2524797-03		L2524797-04		L2524797-05		L2524797-06		L2524797-07		L2524797-10	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE LOCATION				Base - West Side		Base - Center		Base - East Side		South Wall		North Wall		West Wall		East Wall		West Wall	
SAMPLE DEPTH (ft.)				12		12		12		10		10		10		10		10	
Analytes	**Unrestricted Use SCO**	**Commercial Use SCO**	**Protection of Groundwater**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
2-Methylphenol	0.33	500	0.33	1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2-Nitroaniline				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
2-Nitrophenol				3.7	U	3.4	U	1.4	U	0.42	U	0.66	U	0.58	U	0.84	U	2.9	U
3,3'-Dichlorobenzidine				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
3-Methylphenol/4-Methylphenol	0.33	500	0.33	2.5	U	2.3	U	0.91	U	0.28	U	**1.3**		**0.33**	**J**	0.56	U	**0.4**	**J**
3-Nitroaniline				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
4,6-Dinitro-o-cresol				4.4	U	4.1	U	1.6	U	0.51	U	0.8	U	0.7	U	1	UJ	3.4	U
4-Bromophenyl phenyl ether				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
4-Chloroaniline				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
4-Chlorophenyl phenyl ether				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
4-Nitroaniline				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
4-Nitrophenol				2.4	U	2.2	U	0.89	U	0.28	U	0.43	U	0.38	U	0.55	U	1.8	U
Acenaphthene	20	500	98	1.4	U	1.2	U	0.51	U	**0.21**		0.24	U	0.22	U	0.31	U	1.1	U
Acenaphthylene	100	500	107	1.4	U	1.2	U	0.51	U	**0.13**	**J**	0.24	U	0.22	U	0.31	U	1.1	U
Acetophenone				1.7	U	1.6	U	0.63	U	**0.038**	**J**	0.31	U	0.27	U	0.39	U	1.3	U
Anthracene	100	500	1000	1	U	0.94	U	0.38	U	**0.79**		0.18	U	**0.077**	**J**	0.23	U	0.8	U
Atrazine				1.4	U	1.2	U	0.51	U	0.16	U	0.24	U	0.22	U	0.31	U	1.1	U
Benzaldehyde				2.3	U	2.1	U	0.84	U	**0.16**	**J**	0.4	U	0.35	U	0.51	U	1.7	U
Benzo(a)anthracene	1	5.6	1	1	U	0.94	U	**0.23**	**J**	**2.5**		**0.063**	**J**	**0.47**	J-	**0.053**	**J**	**0.95**	J
Benzo(a)pyrene	1	1	22	1.4	U	1.2	U	**0.24**	**J**	**2.2**		0.24	U	**0.096**	J-	0.31	U	**0.79**	**J**
Benzo(b)fluoranthene	1	5.6	1.7	1	U	0.94	U	**0.33**	**J**	**3.6**		**0.076**	**J**	0.16	UJ	0.23	U	**0.94**	J
Benzo(ghi)perylene	100	500	1000	1.4	U	1.2	U	**0.15**	**J**	**1.5**		**0.036**	**J**	**0.047**	J-	0.31	U	**0.72**	**J**
Benzo(k)fluoranthene	0.8	56	1.7	1	U	0.94	U	**0.1**	**J**	**0.65**		0.18	U	0.16	U	0.23	U	**0.26**	**J**
Biphenyl				3.9	U	3.6	U	1.4	U	**0.052**	**J**	0.7	U	0.61	U	0.89	U	3	U
Bis(2-chloroethoxy)methane				1.8	U	1.7	U	0.68	U	0.21	U	0.33	U	0.29	U	0.42	U	1.4	U
Bis(2-chloroethyl)ether				1.5	U	1.4	U	0.57	U	0.18	U	0.28	U	0.24	U	0.35	U	1.2	U
Bis(2-chloroisopropyl)ether				2	U	1.9	U	0.76	U	0.24	U	0.37	U	0.32	U	0.47	U	1.6	U
Bis(2-ethylhexyl)phthalate				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Butyl benzyl phthalate				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Caprolactam				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Carbazole				1.7	U	1.6	U	0.63	U	**0.51**		0.31	U	0.27	U	0.39	U	1.3	U
Chrysene	1	56	1	1	U	0.94	U	**0.23**	**J**	**2.5**		**0.069**	**J**	**0.61**	J-	**0.068**	**J**	**1.2**	**J**
Di-n-butylphthalate				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Di-n-octylphthalate				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	1	U	0.94	U	0.38	U	**0.35**		0.18	U	0.16	U	0.23	U	0.8	U
Dibenzofuran	7	350	210	1.7	U	1.6	U	0.63	U	**0.18**	**J**	0.31	U	0.27	U	0.39	U	1.3	U
Diethyl phthalate				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Dimethyl phthalate				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Fluoranthene	100	500	1000	1	U	0.94	U	**0.48**		**4.6**		**0.085**	**J**	**0.19**	J-	0.23	U	**1.1**	J
Fluorene	30	500	386	1.7	U	1.6	U	0.63	U	**0.18**	**J**	0.31	U	0.27	U	0.39	U	**0.22**	**J**
Hexachlorobenzene	0.33	6	3.2	1	U	0.94	U	0.38	U	0.12	U	0.18	U	0.16	U	0.23	U	0.8	U
Hexachlorobutadiene				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Hexachlorocyclopentadiene				4.9	U	4.5	U	1.8	U	0.56	U	0.88	U	0.77	U	1.1	U	3.8	U
Hexachloroethane				1.4	U	1.2	U	0.51	U	0.16	U	0.24	U	0.22	U	0.31	U	1.1	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	1.4	U	1.2	U	**0.14**	**J**	**1.5**		0.24	U	**0.038**	**J**	0.31	U	**0.58**	**J**
Isophorone				1.5	U	1.4	U	0.57	U	0.18	U	0.28	U	0.24	U	0.35	U	1.2	U
n-Nitrosodi-n-propylamine				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Naphthalene	12	500	12	1.7	UJ	1.6	UJ	0.63	UJ	**0.3**	J-	**0.058**	J-	**0.035**	**J**	0.39	U	1.3	U
NDPA/DPA				1.4	U	1.2	U	0.51	U	0.16	U	0.24	U	0.22	U	0.31	U	1.1	U
Nitrobenzene				1.5	U	1.4	U	0.57	U	0.18	U	0.28	U	0.24	U	0.35	U	1.2	U
p-Chloro-m-cresol				1.7	U	1.6	U	0.63	U	0.2	U	0.31	U	0.27	U	0.39	U	1.3	U
Pentachlorophenol	0.8	6.7	0.8	1.4	U	1.2	U	0.51	U	0.16	U	0.24	U	0.22	U	0.31	U	1.1	U
Phenanthrene	100	500	1000	1	U	0.94	U	**0.24**	**J**	**2.6**		**0.09**	**J**	**0.096**	J-	0.23	U	**0.89**	J
Phenol	0.33	500	0.33	1.7	U	1.6	U	0.63	U	0.2	U	**0.11**	**J**	0.27	U	0.39	U	1.3	U
Pyrene	100	500	1000	1	U	0.94	U	**0.42**		**3.9**		**0.095**	**J**	**0.52**	J-	**0.068**	**J**	**1.5**	J

Notes:
- All values are reported in milligrams per kilogram (mg/kg) / parts per million (ppm).
- Analytical results compared to New York 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs).
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Blue qualifiers were applied based on a third party data usability review.
- Highlighted cell Indicates analyte exceeds the respective standard/guideline value.
- **Red text** indicates analyte exceeds Protection of Groundwater SCO.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.
- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J-" indicates indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- "R" indicates the data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present

Table 9
Site Management Plan
UST Closure Confirmatory Groundwater Data Summary

LOCATION		EXCAVATION WATER		TRIP BLANK	
SAMPLING DATE		4/22/2025		4/22/2025	
LAB SAMPLE ID		L2524797-08		L2524797-09	
SAMPLE TYPE		WATER		WATER	
SAMPLE DEPTH (ft.)		12		--	
Analytes	**NY TOGS 1.1.1 AWQS**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics by GC/MS					
1,1,1-Trichloroethane	5	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U
1,2-Dichloropropane	1	1	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U
2-Butanone	50	**3.1**	**J**	5	U
2-Hexanone	50	5	U	5	U
4-Methyl-2-pentanone		5	U	5	U
Acetone	50	**20**	J+	**2.3**	**J**
Benzene	1	0.5	U	0.5	U
Bromodichloromethane	50	0.5	U	0.5	U
Bromoform	50	2	U	2	U
Bromomethane	5	2.5	U	2.5	U
Carbon disulfide	60	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U
Chloromethane		2.5	U	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U
Cyclohexane		10	U	10	U
Dibromochloromethane	50	0.5	U	0.5	U
Dichlorodifluoromethane	5	5	U	5	U
Ethylbenzene	5	2.5	U	2.5	U
Freon-113	5	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U
Methyl Acetate		2	U	2	U
Methyl cyclohexane		10	U	10	U
Methyl tert butyl ether	10	2.5	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U
o-Xylene	5	2.5	U	2.5	U
p-Isopropyltoluene	5	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U
Tetrachloroethene	5	0.5	U	0.5	U
Toluene	5	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U
Trichloroethene	5	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U
Vinyl chloride	2	1	U	1	U
Semivolatile Organics by GC/MS					
1,2,4,5-Tetrachlorobenzene	5	10	U	-	-
2,3,4,6-Tetrachlorophenol		5	U	-	-
2,4,5-Trichlorophenol		5	U	-	-
2,4,6-Trichlorophenol		5	U	-	-
2,4-Dichlorophenol	1	5	U	-	-
2,4-Dimethylphenol	50	5	U	-	-
2,4-Dinitrophenol	10	20	U	-	-
2,4-Dinitrotoluene	5	5	U	-	-
2,6-Dinitrotoluene	5	5	U	-	-
2-Chlorophenol		2	U	-	-
2-Methylphenol		5	U	-	-
2-Nitroaniline	5	5	U	-	-

Table 9
Site Management Plan
UST Closure Confirmatory Groundwater Data Summary

LOCATION		EXCAVATION WATER		TRIP BLANK	
SAMPLING DATE		4/22/2025		4/22/2025	
LAB SAMPLE ID		L2524797-08		L2524797-09	
SAMPLE TYPE		WATER		WATER	
SAMPLE DEPTH (ft.)		12		--	
Analytes	**NY TOGS 1.1.1 AWQS**	**Results**	**Qual**	**Results**	**Qual**
2-Nitrophenol		10	U	-	-
3,3'-Dichlorobenzidine	5	5	U	-	-
3-Methylphenol/4-Methylphenol		5	U	-	-
3-Nitroaniline	5	5	U	-	-
4,6-Dinitro-o-cresol		10	U	-	-
4-Bromophenyl phenyl ether		2	U	-	-
4-Chloroaniline	5	5	U	-	-
4-Chlorophenyl phenyl ether		2	U	-	-
4-Nitroaniline	5	5	U	-	-
4-Nitrophenol		10	U	-	-
Acetophenone		5	U	-	-
Atrazine	7.5	10	U	-	-
Benzaldehyde		5	U	-	-
Biphenyl		2	U	-	-
Bis(2-chloroethoxy)methane	5	5	U	-	-
Bis(2-chloroethyl)ether	1	2	U	-	-
Bis(2-chloroisopropyl)ether	5	2	U	-	-
Bis(2-ethylhexyl)phthalate	5	3	U	-	-
Butyl benzyl phthalate	50	5	U	-	-
Caprolactam		10	U	-	-
Carbazole		2	U	-	-
Di-n-butylphthalate	50	5	U	-	-
Di-n-octylphthalate	50	5	U	-	-
Dibenzofuran		2	U	-	-
Diethyl phthalate	50	5	U	-	-
Dimethyl phthalate	50	5	U	-	-
Hexachlorocyclopentadiene	5	20	U	-	-
Isophorone	50	5	U	-	-
n-Nitrosodi-n-propylamine		5	U	-	-
NDPA/DPA	50	2	U	-	-
Nitrobenzene	0.4	2	U	-	-
p-Chloro-m-cresol		2	U	-	-
Phenol	1	5	U	-	-
Semivolatile Organics by GC/MS-SIM					
2-Chloronaphthalene	10	0.4	U	-	-
2-Methylnaphthalene		**0.22**		-	-
Acenaphthene	20	**0.33**		-	-
Acenaphthylene		0.2	U	-	-
Anthracene	50	0.2	U	-	-
Benzo(a)anthracene	0.002	**10**		-	-
Benzo(a)pyrene	0	**1.8**		-	-
Benzo(b)fluoranthene	0.002	**1.7**		-	-
Benzo(ghi)perylene		**0.91**		-	-
Benzo(k)fluoranthene	0.002	**0.69**		-	-
Chrysene	0.002	**16**		-	-
Dibenzo(a,h)anthracene		**0.37**		-	-
Fluoranthene	50	**4.1**		-	-
Fluorene	50	**0.29**		-	-
Hexachlorobenzene	0.04	1.6	U	-	-
Hexachlorobutadiene	0.5	1	U	-	-
Hexachloroethane	5	1.6	U	-	-
Indeno(1,2,3-cd)pyrene	0.002	**0.82**		-	-
Naphthalene	10	**0.44**		-	-
Pentachlorophenol	1	1.6	U	-	-
Phenanthrene	50	**2.2**		-	-
Pyrene	50	**10**		-	-

Notes:
- All values are reported in micrograms per liter (µg/L) / parts per billion (ppb).
- Analytical results compared to New York Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards & Guidance Values (AWQS).
- **Bolded text** indicates analyte detected at concentrations greater than laboratory detection limits.
- Blue qualifiers were applied based on a third party data usability review.
- Highlighted cell indicates analyte exceeds the respective standard / guideline value.
- Grey highlighted cell indicates the laboratory detection limit exceeds the respective standard/guideline value.
- "U" indicates the analyte was not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.
- "J+" indicates indicates the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

Table 10
Site Management Plan
Post-SSD System Soil Vapor Intrusion Data Summary

LOCATION				SSV-201_021126		IA-201_021126		SSV-202_021126		IA-202_021126		SSV-203_021126		IA-203_021126		SSV-204_021126		IA-204_021126		SSV-205_021126		DUP-01_021126		IA-205_021126		DUP-02_021126		OA-201_021126	
SAMPLING DATE				2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026	
LAB SAMPLE ID				L2607987-01		L2607987-02		L2607987-03		L2607987-04		L2607987-07		L2607987-08		L2607987-09		L2607987-10		L2607987-05		L2607987-26		L2607987-06		L2607987-27		L2607987-25	
SAMPLE TYPE				SOIL VAPOR		INDOOR AIR		SOIL VAPOR		INDOOR AIR		SOIL VAPOR		INDOOR AIR		SOIL VAPOR		INDOOR AIR		SOIL VAPOR		SOIL VAPOR		INDOOR AIR		INDOOR AIR		OUTDOOR AIR	
	NYSDOH AGV	NYSDOH Matrix Indoor Air	NYSDOH Matrix Soil Vapor	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																													
1,1,1-Trichloroethane**		3	100	**1.11**		0.109	U	1.09	U	0.109	U	1.09	U	0.109	U	1.82	U	0.109	U	1.09	U	1.09	U	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane				1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	2.29	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U
1,1,2-Trichloroethane				1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.82	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U
1,1-Dichloroethane				0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	1.35	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
1,1-Dichloroethene**		0.2	6	0.793	U	0.079	U	0.793	U	0.079	U	0.793	U	0.079	U	1.32	U	0.079	U	0.793	U	0.793	U	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene				1.48	UJ	1.48	UJ	1.48	UJ	1.48	UJ	1.48	U	1.48	UJ	2.47	U	1.48	UJ	1.48	UJ	1.48	U	1.48	UJ	1.48	UJ	1.48	UJ
1,2,4-Trimethylbenzene		2	60	0.983	U	**1.01**		0.983	U	0.983	U	0.983	U	0.983	U	**1.95**		**1.22**		0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,2-Dibromoethane				1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	2.56	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U
1,2-Dichlorobenzene				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dichloroethane				0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	1.35	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
1,2-Dichloropropane				0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	1.54	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U
1,3,5-Trimethylbenzene		2	60	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	1.64	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,3-Butadiene				0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.737	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U
1,3-Dichlorobenzene				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,4-Dichlorobenzene				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,4-Dioxane				0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	1.2	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
2,2,4-Trimethylpentane		2	60	0.934	U	**5.75**		0.934	U	0.934	U	0.934	U	0.934	U	1.56	U	**2.12**		0.934	U	0.934	U	**1.31**		0.934	UJ	0.934	U
2-Butanone				1.47	U	**2**		1.47	U	**1.96**		**5.25**		**2.85**		**4.04**		**16.9**		1.47	U	1.47	U	**1.92**		**2.18**		1.47	U
2-Hexanone				0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	1.36	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
3-Chloropropene				0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	1.04	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene				0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	1.64	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
4-Methyl-2-pentanone				2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	3.42	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U
Acetone				**8.2**		**23.8**		**2.99**		**23.4**		**9.86**		**28**		**23.8**		**121**		**4.42**		**11.1**		**17.9**		**23.2**		**5.27**	
Benzene		2	60	0.639	U	**1.08**		**0.664**		0.639	U	0.639	U	0.639	U	1.06	U	**0.837**		0.639	U	**0.744**		0.639	U	0.639	U	0.639	U
Benzyl chloride				1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.72	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
Bromodichloromethane				1.34	UJ	1.34	U	1.34	UJ	1.34	U	1.34	U	1.34	U	2.23	U	1.34	U	1.34	UJ	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform				2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	3.44	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U
Bromomethane				0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	1.29	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U
Carbon disulfide				**2.14**		0.623	U	**2.67**		0.623	U	0.623	U	0.623	U	**6.57**		0.623	U	**1.08**		**1.64**		0.623	U	0.623	U	0.623	U
Carbon tetrachloride**	1*	0.2	6	1.26	U	**0.459**		**1.97**		**0.434**		1.26	U	**0.44**		2.09	U	**0.554**		1.26	U	1.26	U	**0.434**		**0.478**		**0.459**	
Chlorobenzene				0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	1.53	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U
Chloroethane				0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.879	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U
Chloroform				0.977	U	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U	1.63	U	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U	0.977	U
Chloromethane				0.413	U	**0.991**		0.413	U	**1.03**		**1.01**		**1.01**		0.688	U	**0.814**		0.413	U	0.413	U	**0.731**		**1.1**		**0.84**	
cis-1,2-Dichloroethene**		0.2	6	0.793	U	0.079	U	0.793	U	0.079	U	0.793	U	0.079	U	1.32	U	0.079	U	0.793	U	0.793	U	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene				0.908	U	0.908	UJ	0.908	U	0.908	UJ	0.908	UJ	0.908	UJ	1.51	UJ	0.908	UJ	0.908	U	0.908	UJ	0.908	UJ	0.908	U	0.908	UJ
Cyclohexane		2	60	**1.18**		**6.09**		**2.41**		**5.89**		0.688	U	**6.06**		**4.65**		**14.9**		**1.43**		**2.4**		**5.65**		**7.47**		0.688	U
Dibromochloromethane				1.7	UJ	1.7	U	1.7	UJ	1.7	U	1.7	U	1.7	U	2.84	U	1.7	U	1.7	UJ	1.7	U	1.7	U	1.7	U	1.7	U
Dichlorodifluoromethane				**2.53**		**2.37**		**2.55**		**2.27**		**2.26**		**2.43**		**2.06**		**1.8**		**1.55**		**2.37**		**1.82**		**2.47**		**1.92**	
Ethanol				**10.3**		**26.6**		9.42	U	**16.7**		**11.5**		**14.6**		**28.3**		**55**		9.42	U	**12.8**		**13**		**21.7**		9.42	U
Ethyl Acetate				1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	3.01	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Ethylbenzene		2	60	0.869	U	**0.925**		0.869	U	0.869	U	0.869	U	0.869	U	1.45	U	**1.15**		0.869	U	0.869	U	0.869	U	0.869	U	0.869	U
Freon-113				1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	2.55	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U
Freon-114				1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	2.33	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Heptane		6	200	0.82	U	**1.09**		**7.25**		0.82	U	0.82	U	0.82	U	**1.68**		**1.25**		0.82	U	**1.65**		0.82	U	0.82	U	**3.96**	
Hexachlorobutadiene				2.13	U	2.13	UJ	2.13	U	2.13	UJ	2.13	UJ	2.13	UJ	3.55	UJ	2.13	UJ	2.13	U	2.13	UJ	2.13	UJ	2.13	U	2.13	UJ
Isopropanol				2.46	U	**3.71**		2.46	U	**2.78**		**3.91**		**3.05**		**4.2**		**15.1**		2.46	U	**45**		**4.28**		**3.39**		2.46	U
Methyl tert butyl ether				0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	1.2	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
Methylene chloride	60	3	100	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	2.9	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U
n-Hexane		6	200	0.705	U	**1.78**		**16.4**		0.705	U	**0.793**		0.705	U	**2.75**		**2.87**		**3.45**		**9.83**		**1.66**		**1.11**		0.705	U
Naphthalene		2	60	0.996	U	0.996	U	0.996	U	0.996	U	0.996	U	0.996	U	1.66	U	0.996	U	0.996	U	0.996	U	0.996	U	0.996	U	0.996	U
o-Xylene		2	60	0.869	U	**1.16**		0.869	U	0.869	U	0.869	U	0.869	U	**1.59**		**1.42**		0.869	U	0.869	U	0.869	U	0.869	U	0.869	U
p/m-Xylene		6	200	1.74	U	**2.83**		1.74	U	1.74	U	1.74	U	1.74	U	**2.9**		**2.64**		1.74	U	1.74	U	1.74	U	1.74	U	1.74	U
Styrene				0.852	U	0.852	U	0.852	U	**0.954**		0.852	U	**0.852**		**2.6**		**1.54**		0.852	U	0.852	U	0.852	U	0.852	U	0.852	U
Tertiary butyl Alcohol				1.52	U	**1.73**		1.52	U	1.52	U	1.52	U	**2.4**		**13.1**		**14.6**		1.52	U	1.52	U	**2.33**		**1.73**		1.52	U
Tetrachloroethene**	30	3	100	1.36	U	**0.142**		1.36	U	0.136	U	1.36	U	0.136	U	2.26	U	**0.298**		1.36	U	1.36	U	0.136	U	0.136	U	0.136	U
Tetrahydrofuran				1.47	U	**6.69**		1.47	U	**2.71**		**16.4**		**6.13**		**8.85**		**51.9**		1.47	U	1.47	U	**3.83**		**3.69**		1.47	U
Toluene		10	300	0.754	U	**4.15**		0.754	U	**1.19**		**0.946**		**1.37**		**2.99**		**4.07**		0.754	U	**1.22**		**1.65**		**1.08**		0.754	U
trans-1,2-Dichloroethene				0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	1.32	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
trans-1,3-Dichloropropene				0.908	U	0.908	UJ	0.908	U	0.908	UJ	0.908	UJ	0.908	UJ	1.51	UJ	0.908	UJ	0.908	U	0.908	UJ	0.908	UJ	0.908	U	0.908	UJ
Trichloroethene**	2	0.2	6	1.07	U	0.107	U	**2.52**		0.107	U	1.07	U	0.107	U	1.79	U	0.107	U	1.07	U	1.07	U	0.107	U	0.107	U	0.107	U
Trichlorofluoromethane				**1.28**		**1.29**		**1.59**		**1.37**		**1.26**		**1.22**		1.87	U	1.12	U	1.12	U	**1.34**		1.12	U	**1.26**		1.12	U
Vinyl bromide				0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	1.46	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride**		0.2	6	0.511	U	0.051	U	0.511	U	0.051	U	0.511	U	0.051	U	0.851	U	0.051	U	0.511	U	0.511	U	0.051	U	0.051	U	0.051	U

Notes:
- All values are reporting in micrograms per cubic meter (ug/m3)
- Analytical results compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and NYSDOH Soil Vapor / Indoor Air Decision Matrices, May 2017. Only those analytes with accompanying NYSDOH guidance values are shown.
- *Carbon tetrachloride was the primary contaminant of concern in soil vapor. This contaminant does not have an AGV; however, an NYSDOH fact sheet indicates that carbon tetrachloride concentrations in indoor and outdoor air are typically below 1 microgram per cubic meter.
- **These analytes were analyzed by TO-15 Select Ion Monitoring (SIM) for indoor air samples to achieve lower detection limits.
- Paired sample locations are shown next to each other and have the same three digit number (i.e., SSV-201 / IA-201).
- Duplicate samples are shown to the right of their parent sample.
- For analytes with a respective NYSDOH Decision Matrix , highlighted green cell indicates "No Further Action" and highlighted orange cell indicates "Identify Source(s) and Resample or Mitigate."
- **Blue qualifiers** were applied based on a third party data usability review.
- "U" indicates the analyte not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value.

Table 10
Site Management Plan
Post-SSD System Soil Vapor Intrusion Data Summary

LOCATION				CS-206_021126		IA-206_021126		CS-207_021126		IA-207_021126		CS-208_021326		IA-208_021326		CS-209_021126		IA-209_021126		CS-210_021326		IA-210_021326		CS-211_021126		DUP-03_021126		IA-211_021126		CS-212_021126		IA-212_021126		OA-201_021126	
SAMPLING DATE				2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/14/2026		2/14/2026		2/12/2026		2/12/2026		2/14/2026		2/14/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026	
LAB SAMPLE ID				L2607987-22		L2607987-19		L2607987-20		L2607987-18		L2608469-03		L2608469-01		L2607987-21		L2607987-17		L2608469-04		L2608469-02		L2607987-23		L2607987-28		L2607987-15		L2607987-24		L2607987-16		L2607987-25	
SAMPLE TYPE				CRAWL SPACE AIR		INDOOR AIR		CRAWL SPACE AIR		INDOOR AIR		CRAWL SPACE AIR		INDOOR AIR		CRAWL SPACE AIR		INDOOR AIR		CRAWL SPACE AIR		INDOOR AIR		CRAWL SPACE AIR		CRAWL SPACE AIR		INDOOR AIR		CRAWL SPACE AIR		INDOOR AIR		OUTDOOR AIR	
	NYSDOH AGV	NYSDOH Matrix Indoor Air	NYSDOH Matrix Soil Vapor	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																																			
1,1,1-Trichloroethane**		3	100	0.109	U	0.109	U	0.109	U	0.109	U	**0.066**	J	0.109	U	0.109	U	0.109	U	**0.093**	J	0.109	U	0.109	U	**0.115**		0.109	UJ	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane				1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	UJ	1.37	U	1.37	U	1.37	U
1,1,2-Trichloroethane				1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	UJ	1.09	U	1.09	U	1.09	U
1,1-Dichloroethane				0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	UJ	0.809	U	0.809	U	0.809	U
1,1-Dichloroethene**		0.2	6	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	UJ	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene				1.48	U	1.48	UJ	1.48	UJ	1.48	UJ	1.48	UJ	1.48	UJ	1.48	U	1.48	UJ	1.48	UJ	1.48	UJ	1.48	U	1.48	UJ	1.48	UJ	1.48	U	1.48	UJ	1.48	UJ
1,2,4-Trimethylbenzene		2	60	**1.23**		0.983	U	0.983	U	0.983	U	**0.329**	J	**0.442**	J	0.983	U	**1.33**		**0.403**	J	**0.531**	J	0.983	U	0.983	U	0.983	UJ	0.983	U	0.983	U	0.983	U
1,2-Dibromoethane				1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	UJ	1.54	U	1.54	U	1.54	U
1,2-Dichlorobenzene				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U	1.2	U
1,2-Dichloroethane				0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	UJ	0.809	U	0.809	U	0.809	U
1,2-Dichloropropane				0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	UJ	0.924	U	0.924	U	0.924	U
1,3,5-Trimethylbenzene		2	60	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	UJ	0.983	U	0.983	U	0.983	U
1,3-Butadiene				0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	0.442	UJ	0.442	U	0.442	U	0.442	U
1,3-Dichlorobenzene				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U	1.2	U
1,4-Dichlorobenzene				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U	1.2	U
1,4-Dioxane				0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	UJ	0.721	U	0.721	U	0.721	U
2,2,4-Trimethylpentane		2	60	**10.1**		**2.35**		0.934	U	**0.981**		**0.43**	J	**1.04**		0.934	U	**13.7**		0.934	U	**1.28**		0.934	U	0.934	UJ	**1.96**	J	0.934	U	**1.88**		0.934	U
2-Butanone				**3.75**		**9.67**		**14.9**		**11.5**		**6.61**		**17.8**		**6.4**		**19**		**2.9**		**22.3**		1.47	U	1.47	U	**13.7**	J	1.47	U	**13.5**		1.47	U
2-Hexanone				0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	UJ	0.82	U	0.82	U	0.82	U
3-Chloropropene				0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	UJ	0.626	U	0.626	U	0.626	U
4-Ethyltoluene				0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	U	0.983	UJ	0.983	U	0.983	U	0.983	U
4-Methyl-2-pentanone				2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U	2.05	UJ	2.05	U	2.05	U	2.05	U
Acetone				**23.3**		**87.4**		**18.1**		**123**		**32.5**		**91.9**		**13.7**		**132**		**7.6**		**116**		2.38	U	**2.97**		**163**	J	2.38	U	**164**		**5.27**	
Benzene		2	60	**1.26**		**3.32**		0.639	U	0.639	U	**0.419**	J	**0.773**		0.639	U	**2.84**		0.639	U	**0.748**		0.639	U	0.639	U	**0.661**	J	0.639	U	**0.7**		0.639	U
Benzyl chloride				1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	UJ	1.04	U	1.04	U	1.04	U
Bromodichloromethane				1.34	U	1.34	U	1.34	U	1.34	U	1.34	UJ	1.34	UJ	**1.57**		1.34	U	**0.858**	JH	1.34	UJ	1.34	U	1.34	U	1.34	UJ	1.34	U	1.34	U	1.34	U
Bromoform				2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	UJ	2.07	U	2.07	U	2.07	U
Bromomethane				0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	UJ	0.777	U	0.777	U	0.777	U
Carbon disulfide				0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U	0.623	UJ	0.623	U	0.623	U	0.623	U
Carbon tetrachloride**	1*	0.2	6	**0.434**		**0.434**		**0.453**		**0.453**		**0.547**		**0.554**		**0.453**		**0.453**		**0.522**		**0.503**		**0.465**		**0.484**		**0.44**	J	**0.472**		**0.453**		**0.459**	
Chlorobenzene				0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	UJ	0.921	U	0.921	U	0.921	U
Chloroethane				0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	UJ	0.528	U	0.528	U	0.528	U
Chloroform				**5.03**		0.977	U	**6.89**		0.977	U	**3.93**		0.977	U	**8.94**		0.977	U	**6.45**		0.977	U	**3.99**		**3.98**		0.977	UJ	**4.98**		0.977	U	0.977	U
Chloromethane				0.413	U	**1.02**		0.413	U	**1.04**		**0.421**		**1.07**		0.413	U	**1.12**		**0.14**	J	**1.06**		0.413	U	0.413	U	**1.12**	J	0.413	U	**1.13**		**0.84**	
cis-1,2-Dichloroethene**		0.2	6	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	**0.083**		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	UJ	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene				0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ	0.908	U	0.908	U	0.908	UJ	0.908	UJ	0.908	U	0.908	U	0.908	UJ	0.908	U	0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ
Cyclohexane		2	60	**1.54**		**2.62**		**2.52**		**9.57**		**0.523**	J	**1.07**		**0.809**		**11.6**		**0.299**	J	**1.75**		**0.737**		**0.885**		**7.85**	J	**0.719**		**7.37**		0.688	U
Dibromochloromethane				1.7	U	1.7	U	1.7	U	1.7	U	1.7	UJ	1.7	UJ	1.7	U	1.7	U	1.7	UJ	1.7	UJ	1.7	U	1.7	U	1.7	UJ	1.7	U	1.7	U	1.7	U
Dichlorodifluoromethane				**2.47**		**2.47**		**2.31**		**2.26**		**2.47**		**2.58**		**2.33**		**2.34**		**2.58**		**2.5**		**2.48**		**2.47**		**2.39**	J	**2.24**		**2.35**		**1.92**	
Ethanol				**16.9**		**58**		9.42	U	**99.1**		**33.5**		**128**		9.42	U	**198**		**5.69**	J	**139**		9.42	U	**16.2**		**116**	J	9.42	U	**117**		9.42	U
Ethyl Acetate				1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	**1.36**	J	1.8	U	1.8	U	1.8	U	**1.32**	J	1.8	U	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	U
Ethylbenzene		2	60	**1.19**		0.869	U	0.869	U	0.869	U	**0.851**	J	**0.46**	J	0.869	U	**0.882**		**0.304**	J	**0.608**	J	0.869	U	0.869	U	0.869	UJ	0.869	U	0.869	U	0.869	U
Freon-113				1.53	U	1.53	U	1.53	U	1.53	U	**0.506**	J	**0.521**	J	1.53	U	1.53	U	**0.491**	J	**0.498**	J	1.53	U	1.53	U	1.53	UJ	1.53	U	1.53	U	1.53	U
Freon-114				1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	UJ	1.4	U	1.4	U	1.4	U
Heptane		6	200	**1.6**		**1.07**		0.82	U	**0.848**		0.82	U	**0.84**		0.82	U	**4.34**		0.82	U	**0.971**		0.82	U	0.82	U	**1.23**	J	0.82	U	**1.14**		**3.96**	
Hexachlorobutadiene				2.13	UJ	2.13	UJ	2.13	UJ	2.13	UJ	2.13	U	2.13	U	2.13	UJ	2.13	UJ	2.13	U	2.13	U	2.13	UJ	2.13	U	2.13	UJ	2.13	UJ	2.13	UJ	2.13	UJ
Isopropanol				**6.83**		**10.6**		2.46	U	**16.7**		**15**		**90.9**		**3.44**		**42.8**		**1.81**	J	**36.1**		2.46	U	2.46	U	**34.4**	J	2.46	U	**35.9**		2.46	U
Methyl tert butyl ether				0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	UJ	0.721	U	0.721	U	0.721	U
Methylene chloride	60	3	100	1.74	U	1.74	U	1.74	U	1.74	U	**0.441**	J	**0.57**	J	1.74	U	1.74	U	**0.441**	J	**0.57**	J	1.74	U	1.74	U	1.74	UJ	1.74	U	1.74	U	1.74	U
n-Hexane		6	200	**2.83**		**1.55**		0.705	U	**1.24**		**0.8**		**1.44**		0.705	U	**16.8**		**0.416**	J	**1.58**		0.705	U	**1.22**		**3.17**	J	0.705	U	**3.07**		0.705	U
Naphthalene		2	60	0.996	U	0.996	U	0.996	U	0.996	U	0.996	U	0.996	U	0.996	U	**1.17**		0.996	U	0.996	U	0.996	U	0.996	U	0.996	UJ	0.996	U	0.996	U	0.996	U
o-Xylene		2	60	**1.42**		0.869	U	0.869	U	0.869	U	**0.899**		**0.5**	J	0.869	U	**1.13**		**0.413**	J	**0.595**	J	0.869	U	0.869	U	0.869	UJ	0.869	U	0.869	U	0.869	U
p/m-Xylene		6	200	**3.67**		1.74	U	1.74	U	1.74	U	**3.01**		**1.12**	J	1.74	U	**2.56**		**0.999**	J	**1.55**	J	1.74	U	1.74	U	1.74	UJ	1.74	U	1.74	U	1.74	U
Styrene				0.852	U	0.852	U	0.852	U	**1.28**		0.852	U	**0.494**	J	0.852	U	0.852	U	**0.677**	J	**0.511**	J	0.852	U	0.852	U	0.852	UJ	0.852	U	0.852	U	0.852	U
Tertiary butyl Alcohol				1.52	U	**4.09**		**2.1**		**9.34**		**1.25**	J	**5.24**		1.52	U	**8.94**		1.52	U	**3.67**		1.52	U	1.52	U	**6.61**	J	1.52	U	**5.79**		1.52	U
Tetrachloroethene**	30	3	100	**1.08**		0.136	U	**1.44**		**0.142**		**0.861**		**0.156**		**1.72**		**0.149**		**1.41**		**0.163**		**1.32**		**0.909**		**0.156**	J	**1.4**		**0.136**		0.136	U
Tetrahydrofuran				**22.5**		**36.6**		**28.5**		**27.5**		**40.4**		**65.8**		**33**		**47.2**		**30.1**		**71.4**		**6.25**		**4.66**		**39.2**	J	**6.93**		**37.2**		1.47	U
Toluene		10	300	**7.12**		**3.84**		**1.03**		**3.88**		**1.6**		**2.32**		**0.761**		**9.08**		**0.558**	J	**2.07**		0.754	U	0.754	U	**3.69**	J	**0.769**		**4.07**		0.754	U
trans-1,2-Dichloroethene				0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	UJ	0.793	U	0.793	U	0.793	U
trans-1,3-Dichloropropene				0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ	0.908	U	0.908	U	0.908	UJ	0.908	UJ	0.908	U	0.908	U	0.908	UJ	0.908	U	0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ
Trichloroethene**	2	0.2	6	**0.446**		0.107	U	**0.398**		0.107	U	**0.322**		0.107	U	**0.57**		0.107	U	**0.57**		0.107	U	**0.414**		**0.484**		0.107	UJ	**0.478**		0.107	U	0.107	U
Trichlorofluoromethane				**1.15**		**1.21**		**1.21**		**1.19**		**1.21**		**1.23**		**1.33**		**1.25**		**1.2**		**1.22**		**1.29**		**1.25**		**1.42**	J	**1.14**		**1.24**		1.12	U
Vinyl bromide				0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	UJ	0.874	U	0.874	U	0.874	U
Vinyl chloride**		0.2	6	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	UJ	0.051	U	0.051	U	0.051	U

Notes:
- All values are reporting in micrograms per cubic meter (ug/m3)
- Analytical results compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and NYSDOH Soil Vapor / Indoor Air Decision Matrices, May 2017. Only those analytes with accompanying NYSDOH guidance values are shown.
- *Carbon tetrachloride was the primary contaminant of concern in soil vapor. This contaminant does not have an AGV; however, an NYSDOH fact sheet indicates that carbon tetrachloride concentrations in indoor and outdoor air are typically below 1 microgram per cubic meter.
- **These analytes were analyzed by TO-15 Select Ion Monitoring (SIM) for indoor air samples to achieve lower detection limits.
- Paired sample locations are shown next to each other and have the same three digit number (i.e., SSV-201 / IA-201).
- Duplicate samples are shown to the right of their parent sample.
- For analytes with a respective NYSDOH Decision Matrix , highlighted green cell indicates "No Further Action" and highlighted orange cell indicates "Identify Source(s) and Resample or Mitigate."
- **Blue qualifiers** were applied based on a third party data usability review.
- "U" indicates the analyte not detected at the reported detection limit for the sample.
- "UJ" indicates the analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- "J" indicates estimated value. "JH" indicates estimated value - biased high.

Table 10
Site Management Plan
Post-SSD System Soil Vapor Intrusion Data Summary

LOCATION				IA-213_021126		IA-214_021126		IA-215_021126		IA-216_021126		OA-201_021126	
SAMPLING DATE				2/12/2026		2/12/2026		2/12/2026		2/12/2026		2/12/2026	
LAB SAMPLE ID				L2607987-11		L2607987-12		L2607987-13		L2607987-14		L2607987-25	
SAMPLE TYPE				INDOOR AIR		INDOOR AIR		INDOOR AIR		INDOOR AIR		OUTDOOR AIR	
	NYSDOH AGV	NYSDOH Matrix Indoor Air	NYSDOH Matrix Soil Vapor	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air													
1,1,1-Trichloroethane**		3	100	0.109	U	0.109	U	0.109	UJ	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane				1.37	U	1.37	U	1.37	UJ	1.37	U	1.37	U
1,1,2-Trichloroethane				1.09	U	1.09	U	1.09	UJ	1.09	U	1.09	U
1,1-Dichloroethane				0.809	U	0.809	U	0.809	UJ	0.809	U	0.809	U
1,1-Dichloroethene**		0.2	6	0.079	U	0.079	U	0.079	UJ	0.079	U	0.079	U
1,2,4-Trichlorobenzene				1.48	UJ	1.48	UJ	1.48	UJ	1.48	UJ	1.48	UJ
1,2,4-Trimethylbenzene		2	60	**1.06**		0.983	U	**1.05**	J	0.983	U	0.983	U
1,2-Dibromoethane				1.54	U	1.54	U	1.54	UJ	1.54	U	1.54	U
1,2-Dichlorobenzene				1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U
1,2-Dichloroethane				0.809	U	0.809	U	0.809	UJ	0.809	U	0.809	U
1,2-Dichloropropane				0.924	U	0.924	U	0.924	UJ	0.924	U	0.924	U
1,3,5-Trimethylbenzene		2	60	0.983	U	0.983	U	0.983	UJ	0.983	U	0.983	U
1,3-Butadiene				0.442	U	0.442	U	0.442	UJ	0.442	U	0.442	U
1,3-Dichlorobenzene				1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U
1,4-Dichlorobenzene				1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U
1,4-Dioxane				0.721	U	**1.15**		**1.62**	J	0.721	U	0.721	U
2,2,4-Trimethylpentane		2	60	**2.54**		**2.08**		**1.89**	J	**1.72**		0.934	U
2-Butanone				**17**		**14.9**		**16.1**	J	**9.7**		1.47	U
2-Hexanone				0.82	U	0.82	U	0.82	UJ	0.82	U	0.82	U
3-Chloropropene				0.626	U	0.626	U	0.626	UJ	0.626	U	0.626	U
4-Ethyltoluene				0.983	U	0.983	U	0.983	UJ	0.983	U	0.983	U
4-Methyl-2-pentanone				2.05	U	2.05	U	2.05	UJ	2.05	U	2.05	U
Acetone				**361**		**511**		**489**	J	**352**		**5.27**	
Benzene		2	60	**0.738**		0.639	U	0.639	UJ	**0.661**		0.639	U
Benzyl chloride				1.04	U	1.04	U	1.04	UJ	1.04	U	1.04	U
Bromodichloromethane				1.34	U	1.34	U	1.34	UJ	1.34	U	1.34	U
Bromoform				2.07	U	2.07	U	2.07	UJ	2.07	U	2.07	U
Bromomethane				0.777	U	0.777	U	0.777	UJ	0.777	U	0.777	U
Carbon disulfide				0.623	U	0.623	U	0.623	UJ	0.623	U	0.623	U
Carbon tetrachloride**	1*	0.2	6	**0.434**		**0.447**		**0.44**	J	**0.453**		**0.459**	
Chlorobenzene				0.921	U	0.921	U	0.921	UJ	0.921	U	0.921	U
Chloroethane				0.528	U	0.528	U	0.528	UJ	0.528	U	0.528	U
Chloroform				0.977	U	0.977	U	0.977	UJ	0.977	U	0.977	U
Chloromethane				**1.26**		**1.18**		**0.989**	J	**0.938**		**0.84**	
cis-1,2-Dichloroethene**		0.2	6	0.079	U	0.079	U	0.079	UJ	0.079	U	0.079	U
cis-1,3-Dichloropropene				0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ
Cyclohexane		2	60	**16.8**		**16.2**		**16.9**	J	**12**		0.688	U
Dibromochloromethane				1.7	U	1.7	U	1.7	UJ	1.7	U	1.7	U
Dichlorodifluoromethane				**2.34**		**2.33**		**2.25**	J	**2.36**		**1.92**	
Ethanol				**101**		**74.2**		**90.1**	J	**98.4**		9.42	U
Ethyl Acetate				1.8	U	1.8	U	1.8	UJ	1.8	U	1.8	U
Ethylbenzene		2	60	0.869	U	0.869	U	0.869	UJ	0.869	U	0.869	U
Freon-113				1.53	U	1.53	U	1.53	UJ	1.53	U	1.53	U
Freon-114				1.4	U	1.4	U	1.4	UJ	1.4	U	1.4	U
Heptane		6	200	**1.61**		**1.08**		**1.19**	J	**1.05**		**3.96**	
Hexachlorobutadiene				2.13	UJ	2.13	UJ	2.13	UJ	2.13	UJ	2.13	UJ
Isopropanol				**23.6**		**13.1**		**18.1**	J	**23.7**		2.46	U
Methyl tert butyl ether				0.721	U	0.721	U	0.721	UJ	0.721	U	0.721	U
Methylene chloride	60	3	100	1.74	U	1.74	U	1.74	UJ	1.74	U	1.74	U
n-Hexane		6	200	**5.39**		**4.02**		**2.21**	J	**9.66**		0.705	U
Naphthalene		2	60	0.996	U	0.996	U	0.996	UJ	0.996	U	0.996	U
o-Xylene		2	60	**0.982**		0.869	U	0.869	UJ	0.869	U	0.869	U
p/m-Xylene		6	200	1.74	U	1.74	U	1.74	UJ	1.74	U	1.74	U
Styrene				**1.58**		**1.44**		0.852	UJ	0.852	U	0.852	U
Tertiary butyl Alcohol				**9.52**		**6.94**		**5.52**	J	**4.76**		1.52	U
Tetrachloroethene**	30	3	100	**0.156**		**0.136**		0.136	UJ	**0.176**		0.136	U
Tetrahydrofuran				**45.4**		**49.5**		**43.1**	J	**33.3**		1.47	U
Toluene		10	300	**5.88**		**5.95**		**8.93**	J	**6.41**		0.754	U
trans-1,2-Dichloroethene				0.793	U	0.793	U	0.793	UJ	0.793	U	0.793	U
trans-1,3-Dichloropropene				0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ	0.908	UJ
Trichloroethene**	2	0.2	6	0.107	U	0.107	U	0.107	UJ	0.107	U	0.107	U
Trichlorofluoromethane				**1.2**		**1.4**		**1.33**	J	**1.42**		1.12	U
Vinyl bromide				0.874	U	0.874	U	0.874	UJ	0.874	U	0.874	U
Vinyl chloride**		0.2	6	0.051	U	0.051	U	0.051	UJ	0.051	U	0.051	U

Notes:
- All values are reporting in micrograms per cubic meter (ug/m3)
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Appendices

Appendix A

Environmental Easement

Emily Essi Bersani, County Clerk
401 Montgomery Street
Room 200
Syracuse, NY 13202
(315) 435-2229

Onondaga County Clerk Recording Cover Sheet

Received From :
SIMPLIFILE

Return To :
SIMPLIFILE

Method Returned : ERECORDING

First PARTY 1
1153 OWNER LLC

First PARTY 2
PEOPLE OF THE STATE OF NEW YORK

Index Type : Land Records

Instr Number : 2025-00038633

Book : **Page :**

Type of Instrument : Easement
Type of Transaction : Ease, R-Way

Recording Fee:	$95.50
Recording Pages :	10

The Property affected by this instrument is situated in Syracuse, in the County of Onondaga, New York

Real Estate Transfer Tax

RETT # :	3983
Deed Amount :	$0.00
RETT Amount :	$0.00
Total Fees :	$95.50

State of New York

County of Onondaga

I hereby certify that the within and foregoing was recorded in the Clerk's office for Onondaga County, New York

On (Recorded Date) : 11/19/2025

At (Recorded Time) : 9:14:21 AM

Emily Essi Bersani, County Clerk

This sheet constitutes the Clerks endorsement required by Section 319 of Real Property Law of the State of New York

Entered By: EWRIGHT Printed On : 11/19/2025 At : 9:14:27AM

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 7th day of November, 2025, between Owner, 1153 Owner LLC, having an address of P.O. Box 515, Syracuse, County of Onondaga, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 1153-69 West Fayette Street in the City of Syracuse, County of Onondaga and State of New York, known and designated on the tax map of the County Clerk of Onondaga as tax map parcel number: Section 099. Block 03 Lot 02.1, being the same as that property conveyed to Grantor by deed dated June 23, 2023 and recorded in the Onondaga County Clerk's Office in Instrument No. 2023-00021096. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.656 +/- acres, and is hereinafter more fully described in the Land Title Survey dated October 23, 2024, and last revised July 10, 2025, prepared by David Michael Sliski, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement IndexNumber: C734164-04-24, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Onondaga County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an

interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C734164
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

1153 Owner LLC:

By: _____

Print Name: Charles F. Brewer

Title: Manager Date: 11/4/2025

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Onondaga)

On the 4th day of November, in the year 2025, before me, the undersigned, personally appeared Charles F. Brewer, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

DENISE MARIE MCCARTHY
Notary Public - State of New York
NO. 01MC6212282
Qualified in Onondaga County
My Commission Expires Oct 13, 2029

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Janet Brown, Assistant Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 7th day of November, in the year 20__, before me, the undersigned, personally appeared Janet Brown, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

Cheryl A. Salem
Notary Public State of New York
Registration No. 01SA0002177
Qualified In Albany County
My Commission Expires March 3, 2027

SCHEDULE "A" PROPERTY DESCRIPTION

Environmental Easement Description:

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Syracuse, County of Onondaga and State of New York; being parts of Farm Lots 261 & 262; said parcel being further shown as Lot A on the Final Subdivision Map on Part of Farm Lots 261 & 262 prepared by Michael J. McCully Land Surveying, PLLC dated March 25, 2023 and filed in the Onondaga County Clerk's Office as Map No. 13566 and more particularly bounded and described as follows:

BEGINNING at a point on the southerly line of West Fayette Street at its intersection with the division line between Lot A on the west and Lot B on the east of the Final Subdivision Map on Part of Farm Lots 261 & 262 prepared by Michael J. McCully Land Surveying, PLLC dated March 25, 2023 and filed in the Onondaga County Clerk's Office as Map No. 13566, said point being North 75 deg. 35 min. 20 sec. West along said southerly line of West Fayette Street, a distance of 348.19 feet from the westerly line of South Geddes Street; thence along the division line between said Lots A & B, the following two (2) courses and distances: 1.) South 00 deg. 31 min. 00 sec. East, a distance of 164.16 feet to a point; and 2.) South 86 deg. 59 min. 45 sec. East, a distance of 69.63 feet to a point on the division line between the lands now or formerly of 1153 Owner, LLC as described in Instrument No. 2023-00021096 on the west and the lands now or formerly of BNZ 1117, LLC as described in Instrument No. 2022-00046456 on the east; thence South 00 deg. 31 min. 00 sec. East along said division line, a distance of 33.07 feet to a point on the division line between the said lands of 1153 Owner, LLC on the north and the lands now or formerly of Tabunichkow & Vladislaw, Inc. as described in Book 3410 of Deeds at Page 294 on the south; thence along the division line, the following two (2) courses and distances: 1.) North 86 deg. 59 min. 45 sec. West, a distance of 77.38 feet to a point; and 2.) South 05 deg. 53 min. 50 sec. East, a distance of 81.80 feet to a point on the division line between the said lands of 1153 Owner, LLC on the north and the lands now or formerly of Nik Realty, LLC as described in Book 4061 of Deeds at Page 114 on the south; thence along the division line, the following two (2) courses and distances: 1.) South 83 deg. 54 min. 12 sec. West, a distance of 141.05 feet to a point in the bed of Harbor Brook; and 2.) North 06 deg. 10 min. 06 sec. West along said bed of Harbor Brook, a distance of 10.12 feet to a point; thence South 88 deg. 18 min. 30 sec. West along the division line between the said lands of 1153 Owner, LLC on the north and the said lands of Nik Realty, LLC & the lands now or formerly of the City of Syracuse, in part by each, on the south, a distance of 104.05 feet to a point; thence North 27 deg. 29 min. 19 sec. West along the division line between the said lands of 1153 Owner, LLC on the east and the said of the City of Syracuse on the west, a distance of 453.60 feet to a point on the said southerly line of West Fayette Street; thence South 75 deg. 35 min. 20 sec. East along said southerly line of West Fayette Street, a distance of 466.96 feet to the Point of Beginning.

The above described parcel of land being Lot A as shown on the Final Subdivision Map on Part of Farm Lots 261 & 262 prepared by Michael J. McCully Land Surveying, PLLC dated March 25, 2023 and filed in the Onondaga County Clerk's Office as Map No. 13566.

Appendix B

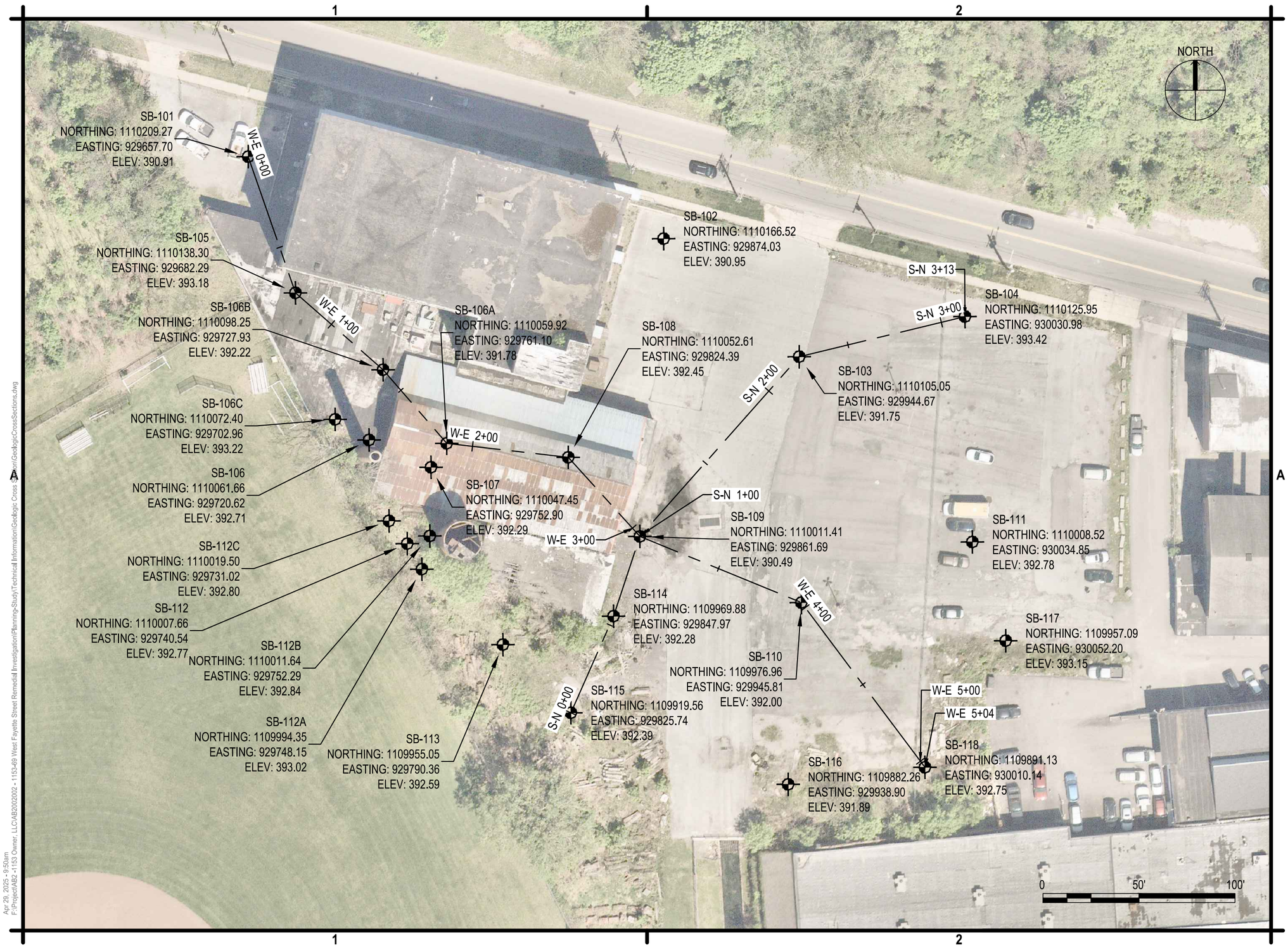
Site Contact List

Site Contact List

Name	Organization	Affiliation	Phone Number	Email Address
Charles F. Breuer	1153 Owner LLC	Site Owner / Remedial Party	(315) 476-7917	cbreuer@hb1872.build
Charles F. Breuer	1153 Owner LLC	Site Operator	(315) 476-7917	cbreuer@hb1872.build
Michael A. Fogel, Esq.	Fogel & Brown, P.C.	Remedial Party Attorney	(315) 399-4343	mfogel@fogelbrown.com
Claire Del Fatti	C&S Engineers	Project Manager	(315) 455-2000	cdelfatti@cscos.com
H. Nevin Bradford, P.E.	C&S Engineers	P.E. / QEP	(315) 455-2000	nbradford@cscos.com
Christopher Eighmey, P.E.	NYSDEC Region 7	Project Manager	(315) 426-7400	christopher.eighmey@dec.ny.gov
Joshua Cook, P.E.	NYSDEC Region 7	Project Manager Supervisor	(315) 426-7524	joshua.cook@dec.ny.gov
Kelly A. Lewandowski, P.E.	NYSDEC	Site Control	(518) 402-9547	Kelly.lewandowski@dec.ny.gov
Sarita Wagh	NYSDOH	Project Manager	(518) 402-7860	Sarita.wagh@health.ny.gov

Appendix C

Geologic Cross Sections



Apr 29, 2025 - 9:50am
F:\Project\AB2 - 1153 Owner, LLC\AB2002002 - 1153-69 West Fayette Street Remedial Investigation\Planning-Study\Technical Information\Geologic Cross Sections\Geologic Cross Sections.dwg

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Alternatives Analysis Report / Remedial Action Work Plan

1153-69 West Fayette Street (BCP Site No. C734164)
City of Syracuse, Onondaga County, New York

MARK	DATE	DESCRIPTION

REVISIONS

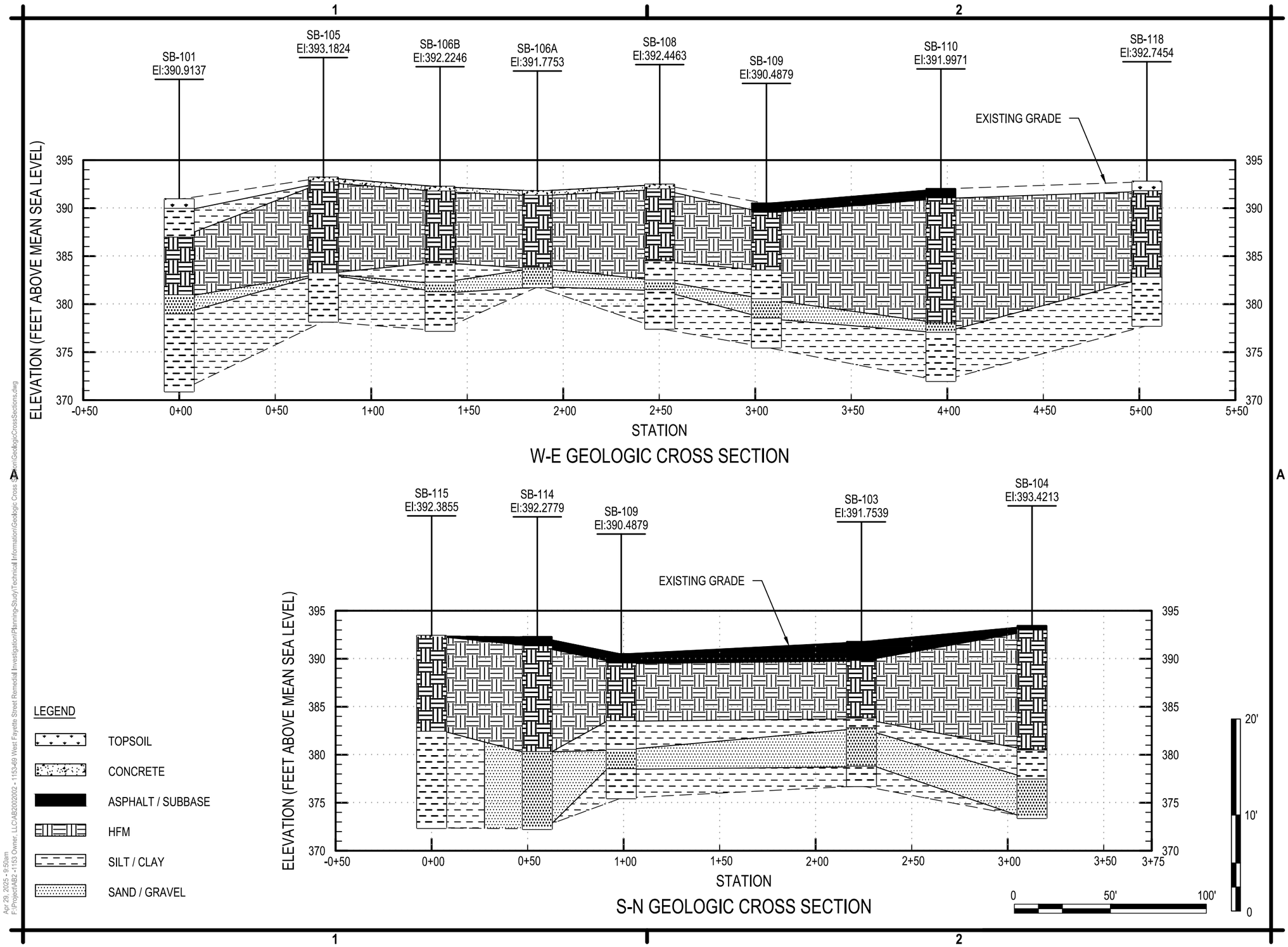
PROJECT NO:	AB2.002.002
DATE:	APRIL 2025
DRAWN BY:	J. URRA
DESIGNED BY:	J. URRA
CHECKED BY:	C. DEL FATTI

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

SOIL BORING AND ALIGNMENT LOCATIONS

EXHIBIT A

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www.cscos.com

Alternatives Analysis Report /
Remedial Action Work Plan

1153-69 West Fayette Street (BCP Site No. C734164)
City of Syracuse, Onondaga County, New York

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	AB2.002.002
DATE:	APRIL 2025
DRAWN BY:	J. URRA
DESIGNED BY:	J. URRA
CHECKED BY:	C. DEL FATTI

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GEOLOGIC CROSS SECTIONS

EXHIBIT B

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Apr 29, 2025 - 9:50am
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Appendix D

Soil Boring Logs

C&S Engineers, Inc.
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Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

BORING LOG

Boring No.	**SB-101**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:	GeoProbe 6011DT		
Casing:		**Rock Core:**	**Undist:**
Sampler:		**Other:**	
Hammer:			

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black / grey topsoil and gravel, loose, moist	Recovery = 80%
1		0.0	1-4 ft: Brown SILT, trace clay, fm sand, soft, moist	Odor = None
				Staining = None
2		0.0		
3		0.0		
			4-10 ft: Black HFM (coal, cinder, brick, ash, wood), fmc, loose, moist	
4		0.0		
	SB-101			Recovery = 50%
5	FILL	0.0		Odor = None
	4-10			Staining = None
6	14:25	0.0		
7				
		0.0		
8				
		0.0		
9				
			10-12 ft: Black fm GRAVEL and SILT, loose, saturated	Recovery = 20%
10		0.0		Odor = None
				Staining = None
11		0.0		
	SB-101		12-20 ft: Dark brown SILT, trace fm sand, trace clay, little wood, soft, wet	
12	NATIVE			
	12-15	0.0		
13	14:35			
		4.7		
14				
				Recovery = 10%
15		0.0		Odor = None
				Staining = None
16		0.0		
17				
		0.0		
18				
		0.0		
19				
			20 ft: End of borehole	
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-102**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	Depth	Date & Time	Drill Rig:	GeoProbe 6011DT		
While Drilling:			**Casing:**		**Rock Core:**	**Undist:**
Before Casing Removal:			**Sampler:**		**Other:**	
After Casing Removal:			**Hammer:**			

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-3 ft: Grey asphalt / subbase	Recovery = 80%
1		0.0		Odor = None
				Staining = None
2		0.0		
	SB-102		3-8 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, moist	
3	FILL	0.0		
	3-8			
4	13:10	0.0		
				Recovery = 50%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0	8-10 ft: Black SILT and CLAY, roots, soft, plastic, moist	
8				
		0.0		
9				
	SB-102		10-15 ft: Dark brown SILT and mc angular GRAVEL, loose, saturated	Recovery = 50%
10	NATIVE	3.8		Odor = Methane / Sulfur
	10-20			Staining = None
11	13:20			
				10-15 ft sleeve had very poor
12				recovery, pulled up another
				sleeve spanning from 10-20 ft
13				
14				
			15-20 ft: Dark brown CLAY, trace f sand, soft, plastic, saturated	
15		22.2		
		(HS: 1.2)		
16				
		6.2		
17				
18		49.4		
19				
			20 ft: End of borehole	
20				
21				
22				
23				

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Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
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BORING LOG

Boring No.	**SB-103**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:	GeoProbe 6011DT		
Casing:		**Rock Core:**	**Undist:**
Sampler:		**Other:**	
Hammer:			

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-2 ft: Grey asphalt / subbase	Recovery = 50%
1		0.0		Odor = None
	SB-103		2-4 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, moist	Staining = None
2	FILL	0.0		
	2-6			
3	13:45	0.0		
			4-5 ft: Brown mc SAND, trace gravel, trace HFM, loose, moist	
4		0.0		
			5-8 ft: Dark brown HFM (coal, cinder, brick, ash), fmc, loose, moist	Recovery = 50%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
	SB-103	0.0	8-9 ft: Dark brown SILT, trace f sand, dense, moist	
8	NATIVE			
	8-14	1.4	9-10 ft: Dark brown mc SAND, some angular gravel, loose, wet	
9	13:35			
			10-13 ft: Dark brown mc SAND, some angular gravel, loose, saturated	Recovery = 10%
10		0.0		Odor = None
				Staining = None
11				
12				
		0.0	13-15 ft: Dark brown CLAY, trace f sand, soft, plastic, moist	
13				
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

C&S Engineers, Inc.	BORING LOG	Boring No.	SB-104
499 Col Eileen Collins Blvd Syracuse, New York 13212 Phone: 315-455-2000 Fax: 315-455-9667 www.cscos.com		Sheet 1 of:	1
		Project No.:	AB2.002.002

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation							**Surface Elev.:**	
Location:	Syracuse, NY							**Datum:**	
Client:	1153 Owner LLC							**Start Date:**	11/26/24
Drilling Firm:	SES							**Finish Date:**	11/26/24
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT			**Inspector:**	CD / HH
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION c - coarse, m - medium, f - fine a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Grey asphalt / subbase	Recovery = 30%
1		0.0	0.5-4 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
				Staining = None
2		0.0		
3		0.0		
			4-5 ft: Brown fm SAND, loose, moist	
4		0.0		
	SB-104		5-8 ft: Black / brown HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Recovery = 30%
5	FILL	0.0		Odor = None
	5-10			Staining = None
6	12:00	0.0		
7				
		0.0	8-13 ft: Black / brown HFM (coal, cinder, brick, ash, slag), fmc, loose, wet	
8				
		0.0		
9				
				Recovery = 10%
10		0.0		Odor = None
				Staining = None
11		0.0		
12				
		0.0	13-15 ft: Dark brown SILT and fm SAND, trace clay, loose, wet	
13				
		0.0		
14				
	SB-104		15-16 ft: Grey CLAY, soft, saturated	Recovery = 100%
15	NATIVE	0.0		Odor = None
	15-20		16-20 ft: Grey fm SAND, loose, saturated	Staining = None
16	12:05	0.0		
17				
		0.0		
18				
		0.0		
19				
			20 ft: End of borehole	
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-105**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:	GeoProbe 6011DT				
Casing:		**Rock Core:**		**Undist:**	
Sampler:		**Other:**			
Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Concrete	Recovery = 50%
1		0.0	0.5-4 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
	SB-105			Staining = None
2	FILL	0.0		
	0-5	(HS: 0.7)		
3	12:25	1.0		
			4-5 ft: Brown HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	
4		0.0		
			5-8 ft: Dark brown CLAY, trace f sand, trace mc angular gravel, medium dense, moist	Recovery = 50%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0	8-10 ft: Black HFM (coal), fmc, loose, moist	
8				
		0.0		
9				
	SB-105		10-11 ft: Dark brown CLAY, soft, wet	Recovery = 50%
10	NATIVE	0.0		Odor = Methane / Sulfur
	10-15		11-15 ft: Dark brown SILT and CLAY, trace f sand, trace roots, moist	Staining = None
11	12:30	11.4		
		(HS: 0.3)		
12				
		19.0		
13				
		0.0		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-106**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:	GeoProbe 6011DT		
Casing:		**Rock Core:**	**Undist:**
Sampler:		**Other:**	
Hammer:			

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Concrete	Recovery = 30%
1		0.0	0.5-5 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
	SB-106			Staining = None
2	FILL	0.0		
	1-6			
3	11:25	0.0		
4		0.0		
			5-6 ft: White / yellow HFM (ash and brick), fmc, loose, moist	Recovery = 50%
5		0.0		Odor = None
			6-9 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Staining = None
6		0.0		
7				
		0.0		
8				
		0.0	9-15 ft: Dark brown silty CLAY, trace wood, soft, semi-plastic, moist	
9				
	SB-106			Recovery = 25%
10	NATIVE	0.0		Odor = None
	9-15			Staining = None
11	11:30	0.0		
12				
		0.0		
13				
		0.0		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-106A**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION c - coarse, m - medium, f - fine a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Concrete	Recovery = 30%
1		0.0	0.5-8 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, dry	Odor = None
	SB-106A			Staining = None
2	FILL	0.0		
	1-5			
3	11:00	0.0		
		(HS: 0.1)		
4		0.0		
				Recovery = 30%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
	SB-106A	0.0	8-10 ft: Black / dark brown m SAND, trace c angular gravel, brick fragments, loose,	
8	NATIVE		moist	
	8-10	0.0		
9	11:10	(HS: 1.8)		
			10-15 ft: No recovery	Recovery = 0%
10				Odor = None
				Staining = None
11				
12				
13				
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-106B**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT			**Undist:**
While Drilling:			**Casing:**		**Rock Core:**		
Before Casing Removal:			**Sampler:**		**Other:**		
After Casing Removal:			**Hammer:**				

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Concrete	Recovery = 50%
1		0.0	0.5-8 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
	SB-106B			Staining = None
2	FILL	0.0		
	1-5	(HS: 0.2)		
3	12:10	0.0		
4		0.3		
				Recovery = 20%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0	8-10 ft: Dark brown CLAY, trace c angular gravel, dense, non-plastic, moist	
8				
		0.0		
9				
	SB-106B	0.8	10-11 ft: Dark brown angular GRAVEL, trace mc sand, loose, wet	Recovery = 50%
10	NATIVE			Odor = Methane / Sulfur
	10-12	5.3	11-11.5 ft: Wood	Staining = None
11	12:15		11.5-15 ft: Dark brown SILT, trace f sand, roots, soft, moist	
		2.9		
12				
		0.7		
13				
		0.8		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-106C**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Concrete	Recovery = 35%
1		0.0	0.5-9 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
	SB-106C	(HS: 0.9)		Staining = None
2	FILL	0.0		
	1-5			
3	11:45	0.0		
4		0.0		
				Recovery = 50%
5		0.0		Odor = None
				Staining = None
6		0.4		
7				
		0.0		
8				
		18.9	9-10 ft: Dark brown CLAY, soft, semi-plastic, moist	
9				
	SB-106C	15.2	10-11 ft: Dark brown mc angular GRAVEL, trace mc sand, loose, wet	Recovery = 50%
10	NATIVE	(HS: 99.4)		Odor = Petroleum
	10-12		11-15 ft: Dark brown SILT, trace f sand, roots, soft, moist	Staining = Petroleum
11	11:50	56.0		
12		13.2		
13				
		8.3		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-107**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Concrete	Recovery = 50%
1		0.0	0.5-8 ft: Black HFM (coal, cinder, brick, ash), fmc, trace angular gravel, loose, dry	Odor = None
	SB-107			Staining = None
2	FILL	0.0		
	1-6			
3	10:30	0.0		
4		0.0		
				Recovery = 60%
5		0.0		Odor = Methane / Sulfur
				Staining = None
6		0.0		
7				
	SB-107	0.0	8-10 ft: Dark brown CLAY, trace roots and wood, soft, plastic, moist	
8	NATIVE			
	8-10	0.1		
9	10:50			
			10-15 ft: No recovery	Recovery = 0%
10				Odor = None
				Staining = None
11				
12				
13				
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-108**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-0.5 ft: Concrete	Recovery = 50%
1		0.0	0.5-8 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, dry	Odor = None
	SB-108			Staining = None
2	FILL	0.0		
	0.5-8			
3	9:50	0.0		
4		0.0		
				Recovery = 50%
5		0.0		Odor = Methane / Sulfur
				Staining = None
6		0.0		
7				
	SB-108	0.0	8-9.5 ft: Dark brown silty CLAY, soft, semi-plastic, moist	
8	NATIVE			
	8-15	0.0		
9	9:55		9.5-10 ft: Dark brown silty CLAY, trace grey fmc cinders, soft, semi-plastic, moist	
			10-10.5 ft: Dark brown angular GRAVEL and brick, trace silt, loose, wet	Recovery = 50%
10		0.0	10.5 - 15 ft: Dark brown silty CLAY, soft, semi-plastic, wet	Odor = Methane / Sulfur
				Staining = None
11		0.0		
12				
		0.0		
13				
		0.5		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-109**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Grey asphalt / subbase	Recovery = 60%
1		0.0	1-5 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, moist	Odor = None
	SB-109			Staining = None
2	FILL	0.0		
	1-5			
3	13:55	0.0		
4		0.0		
			5-8 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, saturated	Recovery = 60%
5		0.0		Odor = Methane / Sulfur
				Staining = None
6		2.0		
	SB-109		7-10 ft: Dark brown SILT and CLAY, trace roots, soft, semi-plastic, moist	
7	NATIVE			
	7-10	9.5		
8	14:05			
		0.0		
9				
			10-12 ft: Brown fm SAND, some mc angular gravel, loose, wet	Recovery = 40%
10		0.0		Odor = None
				Staining = None
11		0.0		
			12-15 ft: Dark brown CLAY, trace silt, dense, plastic, moist	
12				
		0.0		
13				
		0.0		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-110**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION
S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Grey asphalt / subbase	Recovery = 60%
1		0.0	1-7 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
	SB-110			Staining = None
2	FILL	0.0		
	1-7			
3	14:10	0.0		
4		0.0		
				Recovery = 60%
5		0.0		Odor = None
				Staining = None
6		0.0		
			7-10 ft: Grey HFM (ash, coal), fmc, loose, saturated	
7				
		0.0		
8				
		0.0		
9				
			10-14 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, wet	Recovery = 60%
10		0.0		Odor = None
				Staining = None
11		0.0		
12				
		0.0		
13				
		2.0	14-15 ft: Dark brown fm SAND, trace mc sand, trace roots, loose, wet	
14				
	SB-110		15-16 ft: Dark brown SILT, some f sand and broken shells, loose, wet	Recovery = 60%
15	NATIVE	45.3		Odor = Methane / Sulfur
	15-20		16-18 ft: Dark brown SILT, trace clay, trace mc gravel, loose, saturated	Staining = None
16	14:30	12.4		
	DUP-02	(HS: 0.3)		
17				
		17.5	18-20 ft: Dark brown CLAY, trace silt, dense, moist	
18				
19				
			20 ft: End of borehole	
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-111**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-2 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, moist	Recovery = 30%
1		0.0		Odor = None
	SB-111		2-3 ft: Brown SILT, little fm sand, dense, moist	Staining = None
2	FILL	0.0		
	2-8		3-8 ft: Black HFM (coal, cinder, brick, ash), fmc, loose, moist	
3	12:30	0.0		
	DUP-03			
4		0.0		
				Recovery = 30%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0	8-9 ft: Black / brown CLAY, little silt, soft, plastic, wet	
8				
		0.0	9-15 ft: Black / grey mc SAND and fm GRAVEL, loose, wet	
9				
	SB-111			Recovery = 20%
10	NATIVE	0.0		Odor = None
	9-15			Staining = None
11	12:35	0.0		
12				
		0.0		
13				
		0.0		
14				
			15-17 ft: Black / grey mc SAND and fm GRAVEL, loose, saturated	Recovery = 100%
15		0.0		Odor = None
				Staining = None
16		0.0		
			17-20 ft: Brown CLAY, trace silt, trace wood, plastic, soft, wet	
17				
		0.0		
18				
		0.0		
19				
			20 ft: End of borehole	
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-112**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black topsoil, f SAND, trace HFM, loose, moist	Recovery = 80%
1		0.0	1-10 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
	SB-112			Staining = None
2	FILL	0.0		
	2-10			
3	9:30	0.0		
	MS-03			
4	MSD-03	0.0		
				Recovery = 50%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0		
8				
		0.0		
9				
			10-13 ft: Black mc angular and smooth GRAVEL, some m sand, loose, wet	Recovery = 80%
10		0.0		Odor = Petroleum
	SB-112	(HS:4.5)		Staining = Petroleum
11	NATIVE	0.0		
	11-14			
12	9:55			
		58.7	13-15 ft: Dark brown SILT, little clay, soft, semi-plastic, wooden rail tie, wet	
13		(HS: 9.5)		
		46.2		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-112A**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	Depth	Date & Time	Drill Rig:	GeoProbe 6011DT		
While Drilling:			**Casing:**		**Rock Core:**	**Undist:**
Before Casing Removal:			**Sampler:**		**Other:**	
After Casing Removal:			**Hammer:**			

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION
S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black topsoil, f SAND, trace HFM, loose, moist	Recovery = 80%
1		0.0	1-10 ft: Black HFM (coal, cinder, brick, ash, slag, cement, rock), fmc, loose, moist	Odor = None
				Staining = None
2		0.0		
3		1.8		
			4 ft: Pieces of possible cement floor	
4		1.0		
				Recovery = 50%
5		1.2		Odor = None
	SB-112A	(HS: 1.4)		Staining = None
6	FILL	2.2		
	6-8			
7	10:10			
		0.5		
8				
		0.2		
9				
	SB-112A		10-13 ft: Black mc angular and smooth GRAVEL, some m sand, loose, wet	Recovery = 50%
10	NATIVE	0.2		Odor = Petroleum
	10-13			Staining = Petroleum
11	10:15	45.0		
		(HS: 22.2)		
12				
		8.5	13-15 ft: Dark brown SILT, little clay, soft, semi-plastic, wooden rail tie, wet	
13				
		21.0		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-112B**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Groundwater	Depth	Date & Time	Drill Rig:	GeoProbe 6011DT		
While Drilling:			**Casing:**		**Rock Core:**	**Undist:**
Before Casing Removal:			**Sampler:**		**Other:**	
After Casing Removal:			**Hammer:**			

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black topsoil, f SAND, trace HFM, loose, moist	Recovery = 50%
1		0.0	1-9 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
				Staining = None
2		0.3		
3		0.7		
		(HS:0.3)		
4		0.7		
				Recovery = 50%
5		0.0		Odor = None
				Staining = None
6		4.1		
7	SB-112B FILL 7-9 10:35			
		0.0		
8				
		0.0	9-11 ft: Black / brown SILT, some fm sand, trace HFM, loose, moist	
9				
	SB-112B			Recovery = 90%
10	NATIVE	0.6		Odor = Slight Petroleum
	11-13		11-13 ft: Black mc angular and smooth GRAVEL, some m sand, loose, saturated	Staining = None
11	10:40	0.4		
12				
		8.4	13-15 ft: Dark brown SILT, little clay, soft, semi-plastic, wooden rail tie, wet	
13		(HS: 4.0)		
		60.1		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-112C**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black topsoil, f SAND, trace HFM, loose, moist	Recovery = 50%
1		0.0	1-9 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
				Staining = None
2		0.0		
3		0.0		
4		0.0		
				Recovery = 50%
5		0.0		Odor = None
				Staining = None
6		0.0		
7	SB-112C FILL 7-9 11:05			
		0.2		
8		(HS: 5.9)		
		1.3	9-10 ft: Black / brown SILT, some fm sand, trace HFM, loose, moist	
9				
			10-11 ft: Black / grey CLAY, trace silt, soft, plastic, wet	Recovery = 50%
10		0.2		Odor = Petroleum
	SB-112C		11-15 ft: Black mc angular and smooth GRAVEL, some m sand, loose, saturated	Staining = Petroleum
11	NATIVE 11-15 11:00	4.1		
12		55.8		
		(HS: 13.9)		
13				
		38.5		
14			15 ft: Wooden rail tie	
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-113**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION c - coarse, m - medium, f - fine a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-9 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Recovery = 50%
1		0.0		Odor = None
				Staining = None
2		0.0		
	SB-113			
3	FILL	0.0		
	3-10			
4	8:40	0.0		
				Recovery = 30%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0		
8				
		0.0	9-10 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, wet	
9				
	SB-113		10-12 ft: Black mc angular and smooth GRAVEL, some m sand, loose, wet	Recovery = 30%
10	NATIVE	36.8		Odor = Petroleum
	10-15			Staining = None
11	9:10	45.8		
		(HS: 42.8)	12-15 ft: Dark brown SILT, little clay, wooden rail tie, soft, semi-plastic, moist	
12				
13		36.3		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-114**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/25/24
Finish Date:	11/25/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black asphalt / subbase	Recovery = 40%
1		0.0	1-10 ft: Black HFM (coal, cinder, brick, ash, slag, glass), fmc, loose, moist	Odor = None
	SB-114			Staining = None
2	FILL	0.0		
	1-5			
3	14:50	0.0		
4		0.0		
				Recovery = 30%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0		
8				
		0.0		
9				
			10-12 ft: HFM (brick), fmc, loose, moist	Recovery = 40%
10		0.0		Odor = None
				Staining = None
11		0.0		
			12-15 ft: Grey mc SAND, some silt, trace mc gravel, trace wood, loose, saturated	
12				
		0.0		
13				
		0.0		
14				
15	SB-114		15-20 ft: Grey mc SAND, some silt, trace mc smooth gravel, very loose, saturated	Recovery = 40%
	NATIVE	0.0		Odor = None
	12-20			Staining = None
16	14:55	0.0		
17				
		0.0		
18				
		0.0		
19				
			20 ft: End of borehole	
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-115**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION c - coarse, m - medium, f - fine S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-10 ft: Black HFM (coal, cinder, brick, ash, slag, wood), fmc, loose, moist	Recovery = 50%
1		0.0		Odor = None
				Staining = None
2		0.0		
	SB-115			
3	FILL	0.0		
	3-8	(HS: 0.5)		
4	8:05	14.5		
				Recovery = 30%
5		0.3		Odor = None
				Staining = None
6		0.4		
7				
		0.3		
8				
		0.3		
9				
			10-14 ft: Dark brown SILT and CLAY, soft, semi-plastic, moist	Recovery = 30%
10		0.4		Odor = Methane / Sulfur
				Staining = None
11				
		9.0		
12				
	SB-115			
13	NATIVE	0.0		
	13-20		14-15 ft: Dark brown CLAY, trace f sand, soft, plastic, wet	
14	8:15			
	MS-02		15-20 ft: Grey CLAY and fm SAND, dense, plastic, wet	Recovery = 30%
15	MSD-02	0.0		Odor = None
				Staining = None
16		0.0		
17				
		0.0		
18				
		0.0		
19				
			20 ft: End of borehole	
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-116**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black mc angular GRAVEL, some fm sand, loose, moist	Recovery = 40%
1		0.0	1-4 ft: Brick / concrete debris	Odor = None
				Staining = None
2		0.0		
3		0.0		
	SB-116		4-5 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	
4	FILL	0.0		
	4-7		5-7 ft: Brown HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Recovery = 80%
5	11:25	0.0		Odor = None
				Staining = None
6		0.0		
	SB-116		7-10 ft: Black / brown SILT, trace clay, some roots, dense, semi-plastic, moist	
7	NATIVE			
	7-10	0.0		
8	11:30			
		0.0		
9				
			10-11 ft: Dark brown SILT, little clay, trace f sand, soft, wet	Recovery = 80%
10		2.0		Odor = None
			11-14 ft: Grey CLAY, soft, plastic, wet	Staining = None
11		5.0		
12				
		5.7		
13				
		6.8	14-15 ft: Dark brown SILT and fm SAND, trace clay, wood, wet	
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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		Project No.:	AB2.002.002

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation	**Surface Elev.:**	
Location:	Syracuse, NY	**Datum:**	
Client:	1153 Owner LLC	**Start Date:**	11/26/24
Drilling Firm:	SES	**Finish Date:**	11/26/24
Groundwater	**Depth** / **Date & Time**	**Drill Rig:** GeoProbe 6011DT	**Inspector:** CD / HH
While Drilling:		**Casing:** / **Rock Core:** / **Undist:**	
Before Casing Removal:		**Sampler:** / **Other:**	
After Casing Removal:		**Hammer:**	

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION c - coarse, m - medium, f - fine a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Asphalt / gravel / wood chips	Recovery = 30%
1		0.0	1-7 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
				Staining = None
2		0.0		
	SB-117			
3	FILL	0.0		
	S-45358			
4	12:50	0.0		
				Recovery = 30%
5		0.0		Odor = None
				Staining = None
6		0.0		
			7-10 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, wet	
7				
		0.0		
8				
		0.0		
9				
			10-12 ft: Black GRAVEL, loose, saturated	Recovery = 40%
10		0.0		Odor = None
				Staining = None
11		0.0		
	SB-117		12-13 ft: Dark brown CLAY, soft, plastic, wet	
12	NATIVE			
	12-15	0.0	13-15 ft: Dark brown CLAY, little silt, trace wood / roots, loose, wet	
13	12:55			
		0.0		
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

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BORING LOG

Boring No.	**SB-118**
Sheet 1 of:	1
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	11/26/24
Finish Date:	11/26/24
Inspector:	CD / HH

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation								
Location:	Syracuse, NY								
Client:	1153 Owner LLC								
Drilling Firm:	SES								
Groundwater		**Depth**	**Date & Time**	**Drill Rig:**	GeoProbe 6011DT				
While Drilling:				**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:				**Sampler:**		**Other:**			
After Casing Removal:				**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	PID Reading (ppm)	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
			0-1 ft: Black topsoil	Recovery = 50%
1	SB-118	0.0	1-10 ft: Black HFM (coal, cinder, brick, ash, slag), fmc, loose, moist	Odor = None
	FILL			Staining = None
2	1-5	0.0		
	13:15			
3		0.0		
4		0.0		
				Recovery = 20%
5		0.0		Odor = None
				Staining = None
6		0.0		
7				
		0.0		
8				
		0.0		
9				
	SB-118		10-14 ft: Dark brown CLAY, little silt, roots, soft, wet	Recovery = 50%
10	NATIVE	0.0		Odor = Methane / Sulfur
	10-14			Staining = None
11	13:25	0.0		
12				
		0.0		
13				
		1.5	14-15 ft: Wooden rail tie	
14				
			15 ft: End of borehole	
15				
16				
17				
18				
19				
20				
21				
22				
23				

Appendix E

Groundwater Monitoring Well Construction Logs

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GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

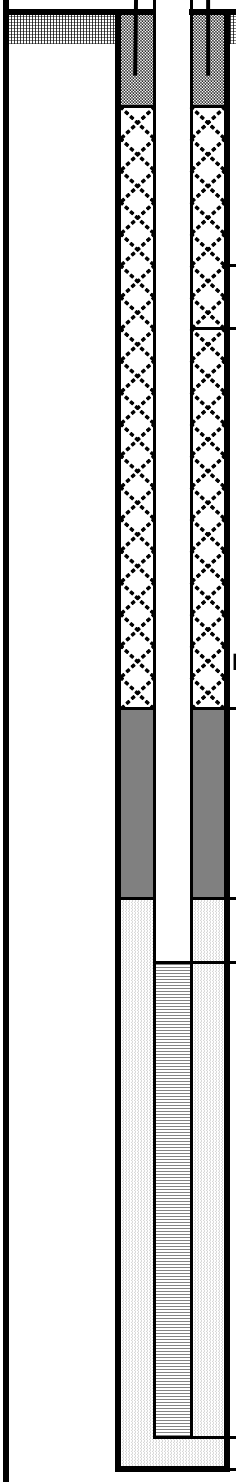
Well No.	**MW-101**
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	12/5/24
Finish Date:	12/6/24
Inspector:	CD

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Drill Rig:	GeoProbe 6011DT	**Casing:**	Auger

Notes: (provide description of observation well location, method of construction, development method and any other information)

- Soil cuttings put on poly on the south side of the Site.
- Got refusal at 14 feet bgs in two different locations. Set well at 14 feet bgs with 10 feet of screen. The screen will still straddle the water table.
- Manhole installed on 12/6/24.



0'-0" Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [X] Concrete

4.25" Bore Hole Diameter

2" Well Diameter

Well Material
- [X] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [X] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

1' Top of Seal

Seal Material
- [X] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

2' Top of Filter Pack

4' Top of Screen

Screen Slot Size
- [X] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [ ] 0 Sand Pack
- [X] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

14' Bottom of Screen

14' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status
12/6/2024	10:25	10.00	TBD	NA

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GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

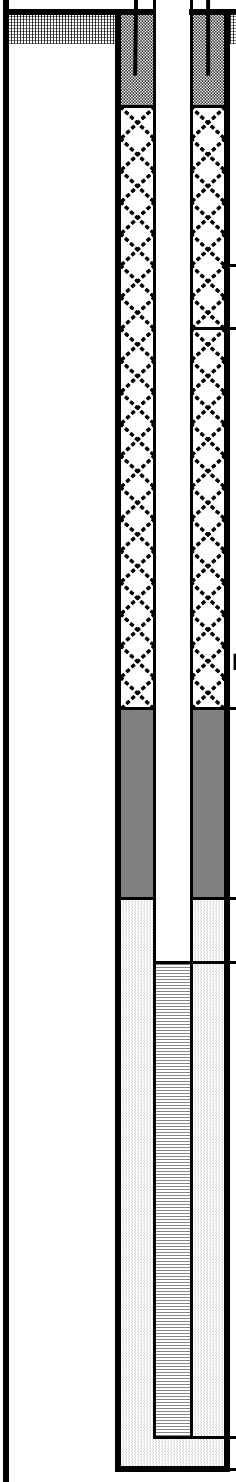
Well No.	**MW-102**
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	12/2/24
Finish Date:	12/4/24
Inspector:	CD

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Drill Rig:	GeoProbe 6011DT	**Casing:**	Auger

Notes: (provide description of observation well location, method of construction, development method and any other information)

- **Soil cuttings put on poly on the south side of the Site.**
- **Manhole installed on 12/4/24.**



0'-0" Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [X] Concrete

4.25" Bore Hole Diameter

2" Well Diameter

Well Material
- [X] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [X] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

1' Top of Seal

Seal Material
- [X] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

3' Top of Filter Pack

5' Top of Screen

Screen Slot Size
- [X] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [ ] 0 Sand Pack
- [X] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

20' Bottom of Screen

20' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status
12/4/2024	7:40	6.87	TBD	NA

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GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

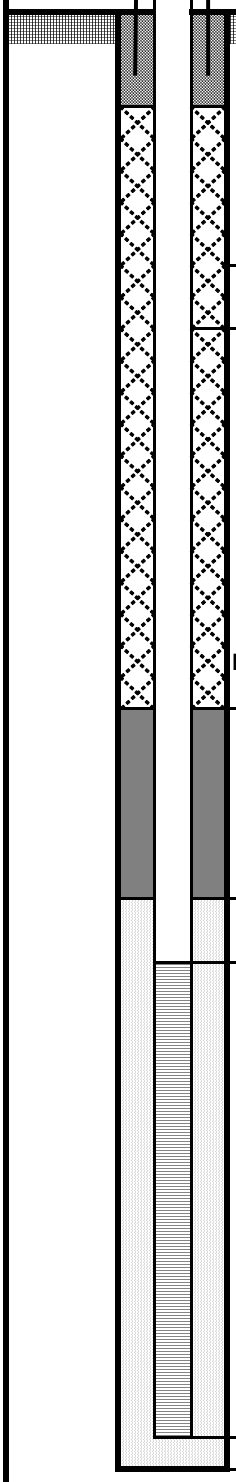
Well No.	**MW-103**
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	12/4/24
Finish Date:	12/6/24
Inspector:	CD

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Drill Rig: GeoProbe 6011DT **Casing:** Auger

Notes: (provide description of observation well location, method of construction, development method and any other information)

- Soil cuttings put on poly on the south side of the Site.
- Manhole installed on 12/6/24.
- Soil cuttings has petroleum odor, staining, and PID readings greater than 10 ppm.



0'-0" Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [X] Concrete

4.25" Bore Hole Diameter

2" Well Diameter

Well Material
- [X] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [X] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

1' Top of Seal

Seal Material
- [X] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

3' Top of Filter Pack

5' Top of Screen

Screen Slot Size
- [X] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [ ] 0 Sand Pack
- [X] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

20' Bottom of Screen

20' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status
12/6/2024	8:30	11.19	TBD	NA

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GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

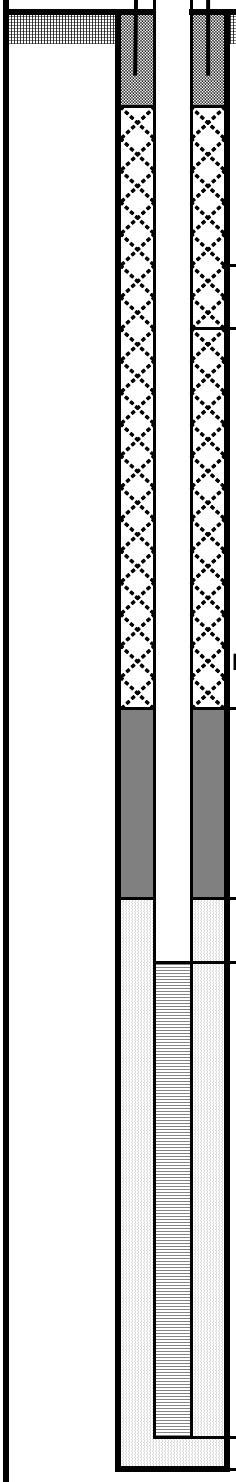
Well No.	**MW-104**
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	12/2/24
Finish Date:	12/4/24
Inspector:	CD

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Drill Rig:	GeoProbe 6011DT	**Casing:**	Auger

Notes: (provide description of observation well location, method of construction, development method and any other information)

- Began installation on 11/27/24 but ran into issues. The well would raise when the augers were pulled up. Retried on 12/2/24 and successfully installed the well.
- Soil cuttings put on poly on the south side of the Site.
- Manhole installed on 12/4/24.



0'-0" Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [X] Concrete

4.25" Bore Hole Diameter

2" Well Diameter

Well Material
- [X] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [X] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

1' Top of Seal

Seal Material
- [X] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

3' Top of Filter Pack

5' Top of Screen

Screen Slot Size
- [X] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [ ] 0 Sand Pack
- [X] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

20' Bottom of Screen

20' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status
12/3/2024	12:45	7.14	TBD	NA

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GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

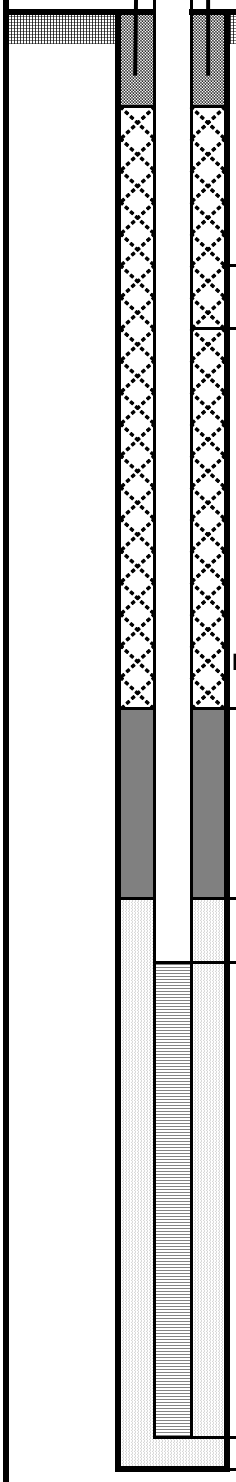
Well No.	**MW-105**
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	12/3/24
Finish Date:	12/6/24
Inspector:	CD

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Drill Rig: GeoProbe 6011DT **Casing:** Auger

Notes: (provide description of observation well location, method of construction, development method and any other information)

- Augered down to 20 feet bgs on 12/3/24 but there was no time to install the actual well. The augers were left in place and the well was installed on 12/4/24.
- Soil cuttings put on poly on the south side of the Site.
- Manhole installed on 12/6/24.



0'-0" Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [X] Concrete

4.25" Bore Hole Diameter

2" Well Diameter

Well Material
- [X] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [X] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

1' Top of Seal

Seal Material
- [X] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

3' Top of Filter Pack

5' Top of Screen

Screen Slot Size
- [X] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [ ] 0 Sand Pack
- [X] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

20' Bottom of Screen

20' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status
12/5/2024	9:45	6.35	TBD	NA

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GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

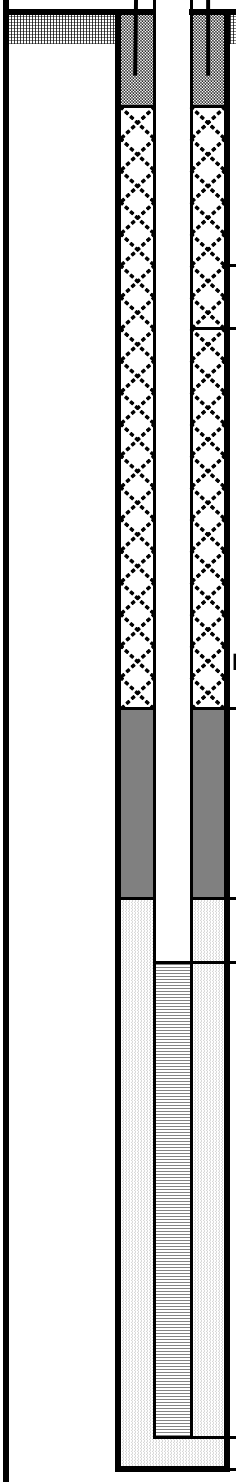
Well No.	**MW-106**
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	12/4/24
Finish Date:	12/6/24
Inspector:	CD

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Drill Rig: GeoProbe 6011DT **Casing:** Auger

Notes: (provide description of observation well location, method of construction, development method and any other information)

- Soil cuttings put on poly on the south side of the Site.
- Manhole installed on 12/6/24.



0'-0" Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [X] Concrete

4.25" Bore Hole Diameter

2" Well Diameter

Well Material
- [X] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [X] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

1' Top of Seal

Seal Material
- [X] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

3' Top of Filter Pack

5' Top of Screen

Screen Slot Size
- [X] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [ ] 0 Sand Pack
- [X] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

20' Bottom of Screen

20' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status
12/6/2024	7:15	12.15	TBD	NA

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GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

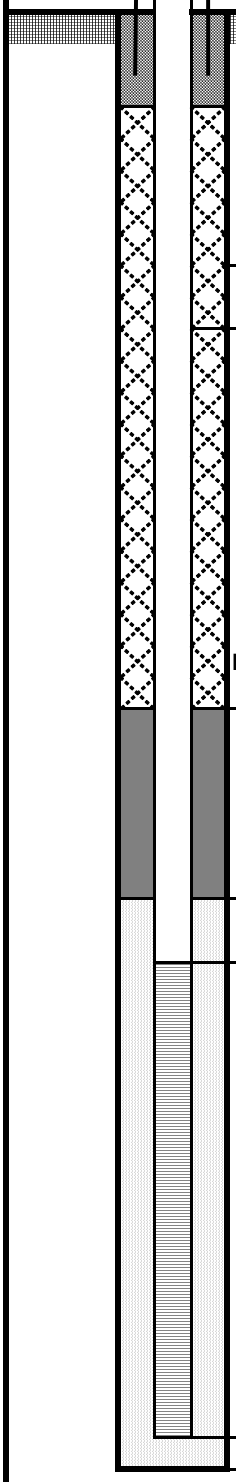
Well No.	**MW-107**
Project No.:	AB2.002.002
Surface Elev.:	
Datum:	
Start Date:	12/3/24
Finish Date:	12/4/24
Inspector:	CD

Project Name:	1153-69 West Fayette Street BCP Site Remedial Investigation
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	SES

Drill Rig:	GeoProbe 6011DT	**Casing:**	Auger

Notes: (provide description of observation well location, method of construction, development method and any other information)

- Began installing on 11/27/24 but kept hitting concrete around 5 feet bgs. Tried new location on 12/3/24 on the other side of the fence and shifted to the north slightly.
- Soil cuttings put on poly on the south side of the Site.
- Manhole installed on 12/4/24.



0'-0" Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [X] Concrete

4.25" Bore Hole Diameter

2" Well Diameter

Well Material
- [X] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [X] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

1' Top of Seal

Seal Material
- [X] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

3' Top of Filter Pack

5' Top of Screen

Screen Slot Size
- [X] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [ ] 0 Sand Pack
- [X] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

20' Bottom of Screen

20' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status
12/4/2024	12:30	7.40	TBD	NA

Appendix F

Excavation Work Plan

Excavation Work Plan for 1153-69 West Fayette Street

1153-69 West Fayette Street
City of Syracuse, Onondaga County, New York

BCP Site No. C734164

Prepared by:

C&S Engineers, Inc.
499 Col Eileen Collins Blvd.
Syracuse, New York 13212

July 2024
(Revised July 2025)

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ATTACHMENTS

Attachment A – Request to Import / Reuse Fill or Soil Form
Attachment B – Standard E&S Details and Specifications

SECTION 1 – NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination or breach or alter the site's cover system, the site owner or their representative will notify the NYSDEC contacts listed in the table below. **Table 1** includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in **Appendix B of the SMP**.

Table 1: Notifications*

Name	Contact Information
Christopher Eighmey, P.E. NYSDEC Project Manager	315-426-7558 Christopher.Eighmey@dec.ny.gov
Joshua Cook, P.E. NYSDEC Project Manager's Supervisor	315-426-7524 Joshua.Cook@dec.ny.gov
Kelly Lewandowski NYSDEC Site Control	518-402-9547 Kelly.Lewandowski@dec.ny.gov
Sarita Wagh NYSDOH Project Manager	518-402-7860 Sarita.Wagh@health.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated, any modifications of truck routes, and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work, and submittals (e.g., reports) to the NYSDEC documenting the completed intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP, 29 CFR 1910.120 and 29 CFR 1926 Subpart P;
- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in Appendix [x] of this SMP;

- Identification of disposal facilities for potential waste streams; and

- Identification of sources of any anticipated backfill, along with the required request to import form and all supporting documentation including, but not limited to, chemical testing results.

The NYSDEC project manager will review the notification and may impose additional requirements for the excavation that are not listed in this EWP. The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.

SECTION 2 – SOIL SCREENING METHODS

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed during all excavations into known or potentially contaminated material (remaining contamination) or a breach of the cover system. A qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State will perform the screening. Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Screening will be completed using a portable PID, to document whether volatile organic compounds (VOCs) are released from the soil. The PID screening will be performed using headspace analysis methods, by placing a representative portion of the soil sample into a re-sealable plastic bag and monitoring the airspace surrounding the soil within the bag as the soil is agitated to promote the release of VOCs. The PID will be calibrated daily with a 100-ppm isobutylene / air calibration gas mixture.

As needed, soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided in **Section 6** and **Section 7** of this EWP.

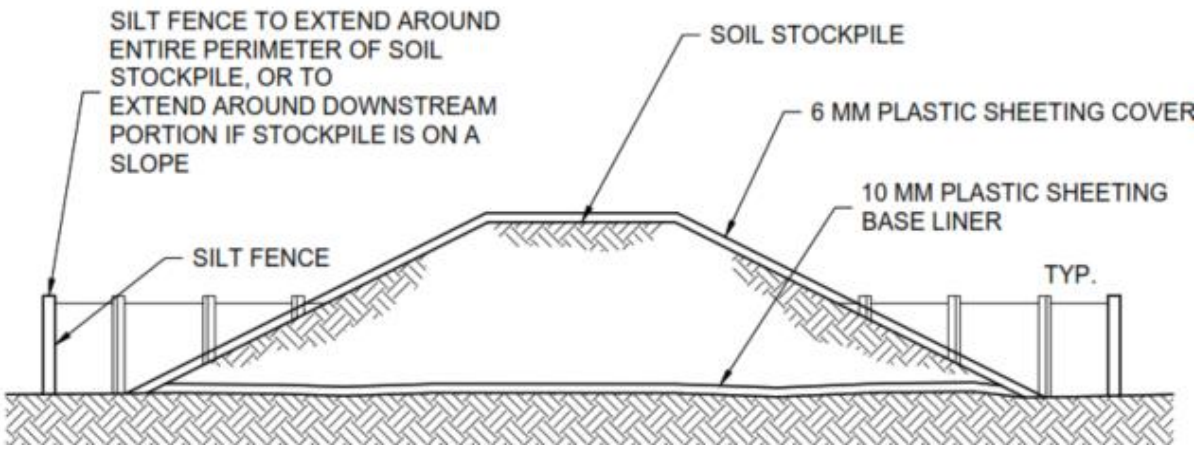
SECTION 3 – SOIL STAGING METHODS

Potentially contaminated soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC.

Any soils excavated from below the demarcation barrier will be stockpiled on a stockpile containment pad that will be constructed with a plastic liner with silt fence around the perimeter to control run-on and run-off. A typical detail drawing for a stockpile containment pad is shown below.



SECTION 4 – MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this EWP.

The presence of utilities and easements on the Site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under the SMP is posed by utilities or easements on the Site. A Site utility stakeout will be completed for all utilities prior to any ground intrusive activities at the Site.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and New York State Department of Transportation (NYSDOT) requirements (and all other applicable transportation requirements). Trucks transporting contaminated soil must have either tight-fitting opaque covers that are secured on the sides and / or back, or opaque covers that are locked on all sides.

A truck wash will be operated on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the Site until the activities performed under this section are complete. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the Site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials. Material accumulated from the street cleaning and egress cleaning activities will be disposed off-site at a permitted landfill facility in accordance with all applicable local, State, and Federal regulations.

SECTION 5 – MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

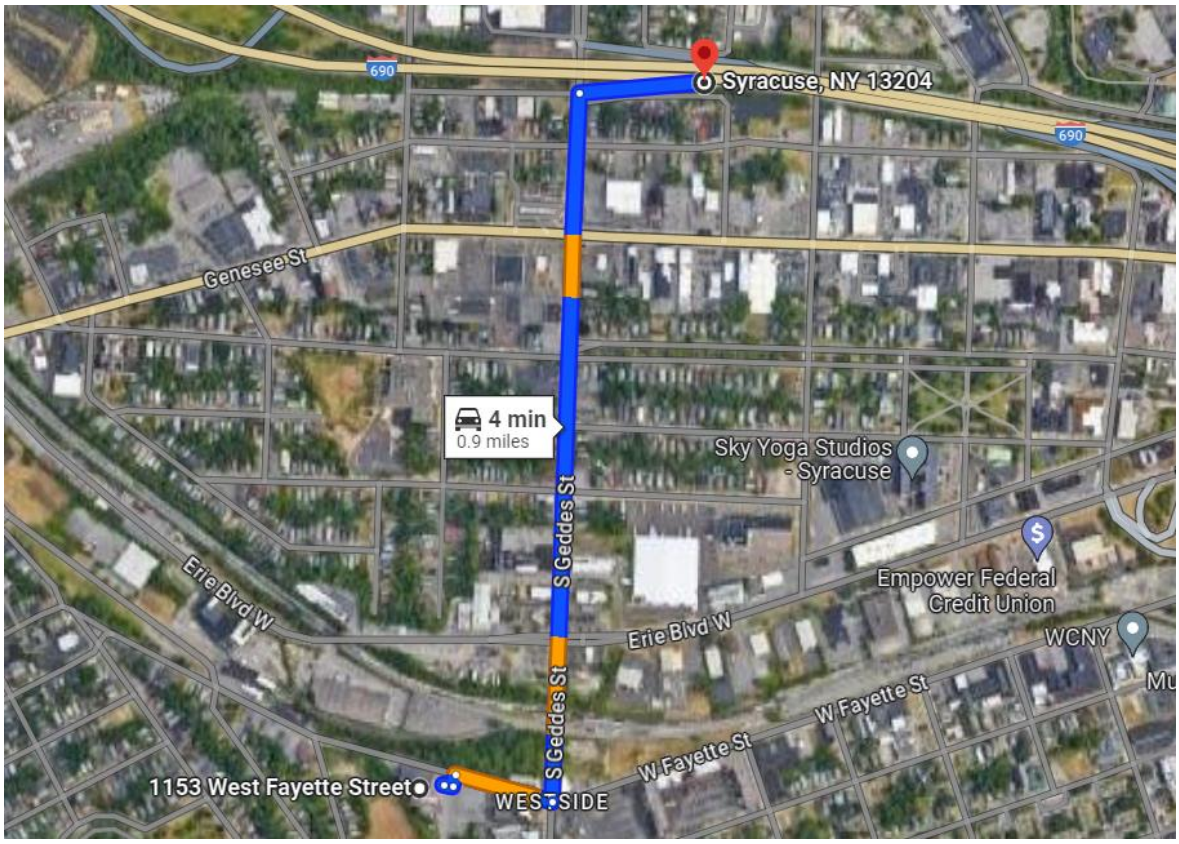
Material transported by trucks exiting the Site will be secured with either tight-fitting opaque covers that are secured on the sides and / or back, or opaque covers that are locked on all sides. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

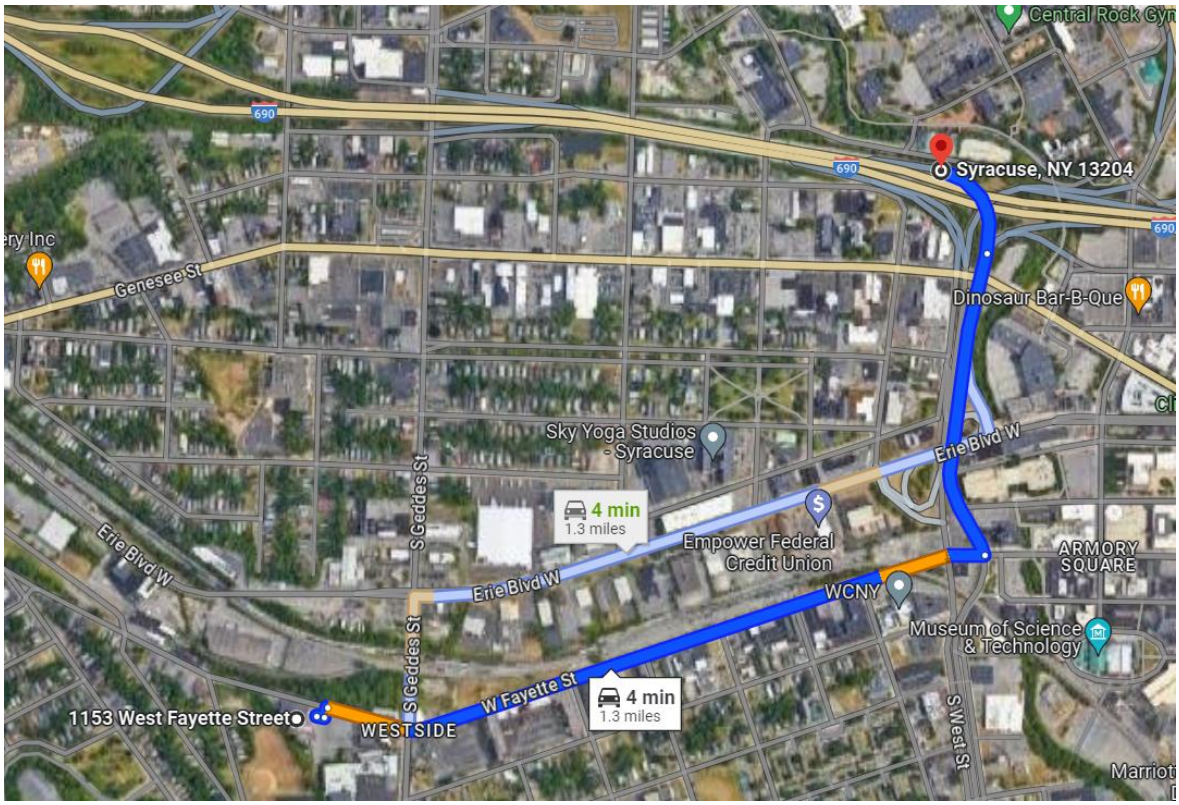
Truck transport routes are shown in the images below. The routes connect the Site to I-690 westbound or eastbound. All trucks loaded with Site materials will exit the vicinity of the Site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport; and community input where necessary.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site.

Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.


690
Syracuse, NY 13204
Genesee St
4 min
0.9 miles
Sky Yoga Studios
- Syracuse
S Geddes St
Erie Blvd W
Empower Federal
Credit Union
WCNY
W Fayette St
1153 West Fayette Street
WEST SIDE


Central Rock Gym
690
Syracuse, NY 13204
Genesee St
Dinosaur Bar-B-Que
Sky Yoga Studios
- Syracuse
Erie Blvd W
S Geddes St
4 min
1.3 miles
Empower Federal
Credit Union
ARMORY
SQUARE
WCNY
Museum of Science
& Technology
1153 West Fayette Street
WEST SIDE
W Fayette St
4 min
1.3 miles
S West St

SECTION 6 – MATERIALS DISPOSAL OFF-SITE

All material excavated and removed from the Site will be treated as contaminated and regulated material and will be transported and disposed off-site in a permitted facility in accordance with all local, State and Federal regulations.

If disposal of material from this Site is proposed for unregulated off-site disposal (i.e., clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC project manager. Unregulated off-site management of materials from this Site will not occur without formal NYSDEC project manager approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, (e.g. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C&D debris recovery facility). Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include, but will not be limited to waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled consistent with 6 NYCRR Parts 360, 361, 362, 363, 364 and 365. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State C&D debris recovery facility (6 NYCRR Subpart 360-15 registered or permitted facility).

SECTION 7 – MATERIALS REUSE ON-SITE

The qualified environmental professional as defined in 6 NYCRR part 375 will ensure that procedures defined for materials reuse in the SMP are followed and that unacceptable material (i.e. contaminated) does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer or within landscaping berms. Contaminated on-site material may only be used beneath the site cover as backfill for subsurface utility lines with prior approval from the DEC project manager.

Proposed materials for reuse on-site must be sampled for full suite analytical parameters including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. The sampling frequency will be in accordance with DER-10 Table 5.4(e)10 unless prior approval is obtained from the NYSDEC project manager for modification of the sampling frequency. The analytical results of soil / fill material testing must meet the Site use criteria presented in NYSDEC DER-10 Appendix 5 – Allowable Constituent Levels for Imported Fill or Soil for all constituents listed, and the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (April 2023 or date of current version, whichever is later) guidance values. Approvals for modifications to the analytical parameters must be obtained from the NYSDEC project manager prior to the sampling event.

Soil / fill material for reuse on-site will be segregated and staged as described in **Section 2** and **Section 3** of this EWP. The anticipated size and location of stockpiles will be provided in the 15-day notification to the NYSDEC project manager. Stockpile locations will be based on the location of Site excavation activities and proximity to nearby Site features. Material reuse on-site will comply with requirements of NYSDEC DER-10 Section 5.4(e)4. Any modifications to the requirements of DER-10 Section 5.4(e)4 must be approved by the NYSDEC project manager.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval.

Sampling conducted to determine acceptable reuse must include collection of all necessary quality assurance / quality control (QA / QC) samples, including, matrix spike / matrix spike duplicate (MS / MSD) samples, duplicate samples, equipment blanks for applicable parameters, etc. Laboratory deliverables will be Category B deliverables. Laboratory reporting limits will be sufficient to determine compliance with the soil cleanup objectives (SCOs). VOC samples will be collected in accordance with EPA Method 5035.

SECTION 8 – FLUIDS MANAGEMENT

All liquids to be removed from the Site, including but not limited to, excavation dewatering, decontamination waters, and groundwater monitoring well purge and development waters, will be handled, transported and disposed off-site at a permitted facility in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the Site, and will be managed off-site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

SECTION 9 – COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the Decision Document. The existing cover system is comprised of a minimum of 12 inches of clean soil, asphalt pavement, concrete covered sidewalks, and building slabs. The demarcation layer, consisting of orange snow fencing material, high visibility geotextile, or equivalent material will be replaced to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in the SMP. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in an updated SMP. The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.

SECTION 10 – BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the Site will be approved by the qualified environmental professional, as defined in 6 NYCRR Part 375, and will be in compliance with provisions in this SMP prior to receipt at the Site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review. A copy of the form is presented in **Attachment A**.

Material from industrial sites, spill sites, other environmental remediation sites, or potentially contaminated sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in 6 NYCRR 375-6.7(d) and DER-10 Appendix 5 for commercial site use. Soils that meet 'general' fill requirements under 6 NYCRR Part 360.13, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC project manager. Soil materials will be sampled for the full suite of analytical parameters, including PFAS and 1, 4-dioxane. Solid waste will not be imported onto the Site.

Sampling will include collection of all necessary QA / QC samples, including, MS / MSD samples, duplicate samples, equipment blanks for applicable parameters, etc. Laboratory deliverables will be Category B deliverables. The laboratory reporting limits will be sufficient to determine compliance with applicable SCOs. VOC samples will be collected in accordance with EPA Method 5035.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

A QEP or PE or someone under their direct supervision will maintain a log of trucks delivering fill from off-site sources. The log will include the hauler, soil source, and date and time delivered. Each load of imported soil will be accompanied by a bill-of-lading or similar showing the material's source.

SECTION 11 – STORMWATER POLLUTION PREVENTION

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

Storm drain inlet protection will be installed and maintained per manufacturer's instructions.

A stabilized construction entrance for controlling tracking of sediment will be installed and properly operated.

Excavations conducted solely for the purpose of remediation may be exempt from Department-issued permits pursuant to Part 375. However, excavations conducted for the purpose of Site development or other non-remedial purpose are not exempt from obtaining Department-issued permits, including SPDES permits.

Standard erosion and sediment control detail drawings and specifications are provided in **Attachment B**.

SECTION 12 – EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition. The NYSDEC project manager will be promptly notified of the discovery. The location of tanks or other sources will be surveyed. Any excavations conducted pursuant to this section will be surveyed to document the area addressed.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (Target Analyte List [TAL] metals, Target Compound List [TCL] volatiles and semi volatiles (including 1,4-dioxane), TCL pesticides and PCBs, and PFAS), unless the Site history and previous sampling results provide sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC project manager for approval prior to sampling. Any tanks will be closed as per NYSDEC regulations and guidance. If necessary, based on the results of the sampling, the Site Health and Safety Plan (HASP) will be updated prior to continuing with work to address the material.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone within two hours to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

SECTION 13 – COMMUNITY AIR MONITORING PLAN

Community air monitoring will be conducted according to the CAMP provided as **Appendix H of the SMP**. Air sampling locations are to be determined. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and downwind monitoring station. Exceedances of action levels listed in the Community Air Monitoring Plan (CAMP) will be reported to NYSDEC and NYSDOH Project Managers.

SECTION 14 – ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site, as well as on-site for occupied sites. Specific odor control methods to be used on a routine basis is not anticipated to be necessary due to lack of petroleum or chemical impacts. If nuisance odors are identified at the Site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include:

a) Limiting the area of open excavations and size of soil stockpiles;
b) Shrouding open excavations with tarps and other covers; and
c) Using foams to cover exposed odorous soils.

If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include:

a) Direct load-out of soils to trucks for off-site disposal;
b) Use of chemical odorants in spray or misting systems; and,
c) Use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting / filtering systems.

SECTION 15 – DUSTR CONTROL PLAN

Particulate monitoring must be conducted according to the CAMP provided in **Section 13**. If particulate levels at the site exceed the thresholds listed in the CAMP or if airborne dust is observed on the site or leaving the site, the dust suppression techniques listed below will be employed. The remedial party will also take measures listed below to prevent dust production on the site.

A dust suppression plan that addresses dust management during invasive on-site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved using a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

SECTION 16 – OTHER NUISANCES

If necessary, a plan for rodent control will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

If necessary, a plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

Attachment A

REQUEST TO IMPORT / REUSE FILL OR SOIL FORM

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Choose an item

Have Ecological Resources been identified? Choose an item

Is this soil originating from the site? Choose an item

How many cubic yards of soil will be imported/reused? Choose an item

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? Choose an item

Does it contain less than 10%, by weight, material that passes a size 100 sieve? Choose an item

Is this virgin material from a permitted mine or quarry? Choose an item

Is this material recycled concrete or brick from a DEC registered processing facility? Choose an item

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Location where fill was obtained:

Identification of any state or local approvals as a fill source:

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

The information provided on this form is accurate and complete.

_____ _____

Signature Date

_____

Print Name

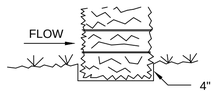
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Firm

Revised April 2023

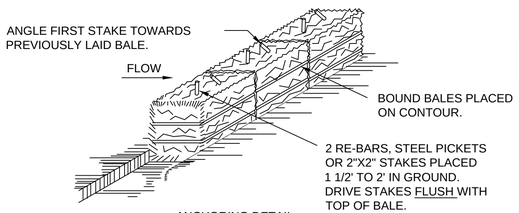
Attachment B

STANDARD E&S DETAILS AND SPECIFICATIONS



BEDDING DETAIL
NOT TO SCALE

DRAINAGE AREA NO MORE THAN 1/4 ACRE PER 100 FEET OF STRAW BALE DIKE FOR SLOPES LESS THAN 25%.

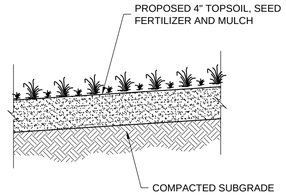


ANCHORING DETAIL
NOT TO SCALE

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

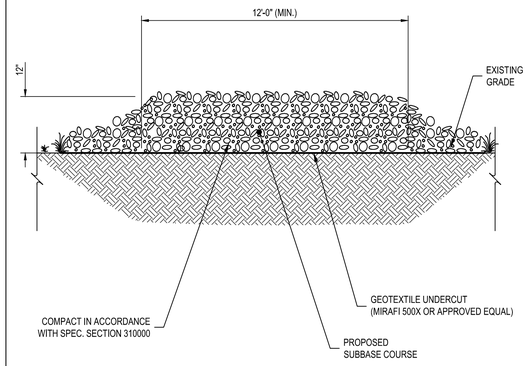
B1 STRAW BALE DIKE DETAIL

SCALE: NOT TO SCALE



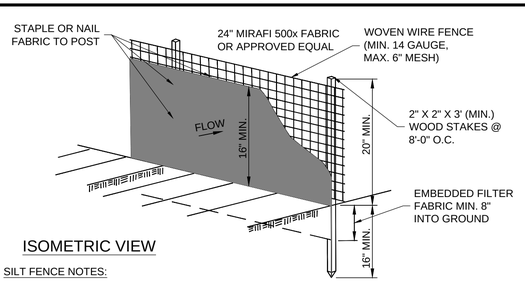
C2 TYPICAL GRASS RESTORATION DETAIL

SCALE: NOT TO SCALE



B2 STABILIZED CONSTRUCTION ENTRANCE / HAUL ROAD DETAIL

SCALE: NOT TO SCALE



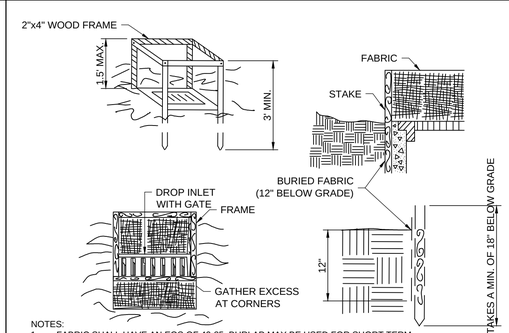
ISOMETRIC VIEW

SILT FENCE NOTES:

1. WOVEN WIRE FENCE SHALL BE SECURELY FASTENED TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. SILT FENCE FABRIC SHALL BE SECURELY FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION, WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
3. MAINTENANCE SHALL BE PROVIDED BY THE CONTRACTOR AS DIRECTED BY ENGINEER AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
4. CONTRACTOR SHALL REMOVE THE SILT FENCE AT THE APPROPRIATE TIME, DRESS THE DISTURBED AREAS, AND DISPOSE OF THE SILT FENCE.

C3 SILT FENCE DETAIL

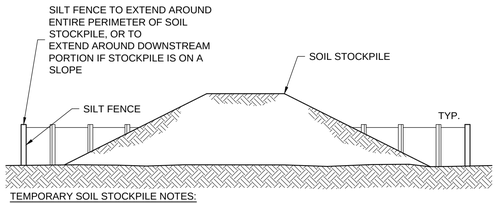
SCALE: NOT TO SCALE



NOTES:
1. FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18" DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

B3 FABRIC DROP INLET PROTECTION DETAIL

SCALE: NOT TO SCALE

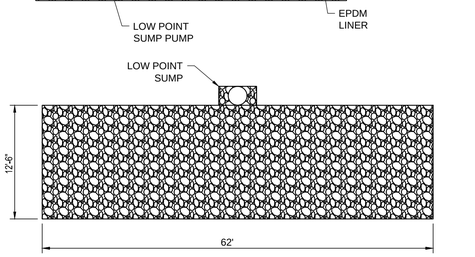


TEMPORARY SOIL STOCKPILE NOTES:

1. REFER TO SILT FENCE DETAIL FOR MATERIALS AND INSTALLATION METHODS.
2. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH BURLAP MATTING OR SEEDED WITHIN 7 DAYS OF COMPLETION TO MINIMIZE EROSION.
3. INSPECTION OF SILT FENCE SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. SEDIMENT TRAPPED BY THE SILT FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
5. SILT FENCE SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY THE ENGINEER.
6. SOIL STOCKPILE LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR AN AUTHORIZED REPRESENTATIVE

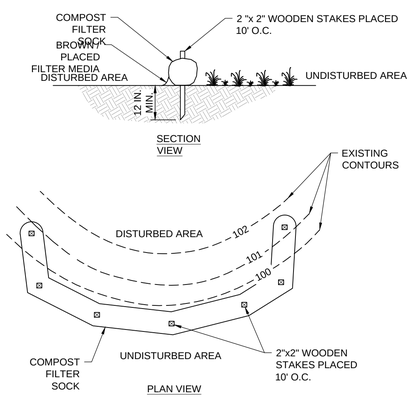
C4 TEMPORARY SOIL STOCKPILE DETAIL

SCALE: NOT TO SCALE



B3 VEHICLE DECONTAMINATION PAD DETAIL

SCALE: NOT TO SCALE



SECTION VIEW

PLAN VIEW

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1 OF THE NYS STANDARDS & SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS LISTED ON OF TABLE 5.2 OF THE NYS STANDARDS & SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL MANUAL.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA . STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE-GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

TABLE 5.1
COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

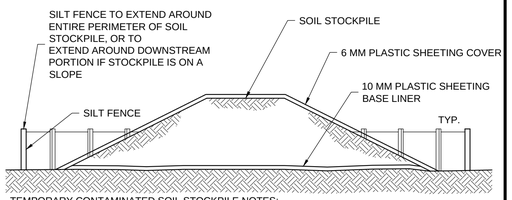
MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	½"	½"	½"	½"	½"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

TABLE 5.2
COMPOST STANDARDS

ORGANIC MATTER CONTENT	25%-100% (DRY WEIGHT)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	6.0-8.0
MOISTURE CONTENT	30%-60%
PARTICLE SIZE	100% PASSING A 1" SCREEN & 10%-50% PASSING A ½" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

A3 SEDIMENT TRAP DETAIL

SCALE: NOT TO SCALE



TEMPORARY CONTAMINATED SOIL STOCKPILE NOTES:

1. REFER TO SILT FENCE DETAIL FOR MATERIALS AND INSTALLATION METHODS.
2. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH BURLAP MATTING OR SEEDED WITHIN 7 DAYS OF COMPLETION TO MINIMIZE EROSION.
3. INSPECTION OF SILT FENCE SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. SEDIMENT TRAPPED BY THE SILT FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
5. SILT FENCE SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY THE ENGINEER.
6. SOIL STOCKPILE LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR AN AUTHORIZED REPRESENTATIVE
7. PLACE SAND BAGS OR EQUIVALENT ON TOP OF COVER AS NECESSARY TO MAINTAIN COVER OF THE STOCKPILE

A4 TEMPORARY CONTAMINATED SOIL STOCKPILE DETAIL

SCALE: NOT TO SCALE

C&S COMPANIES
C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO:
DATE:
DRAWN BY:
DESIGNED BY:
CHECKED BY:

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

EROSION CONTROL DETAILS

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Appendix G

Health and Safety Plan

Health and Safety Plan for 1153-69 West Fayette Street

1153-69 West Fayette Street
City of Syracuse, Onondaga County, New York

BCP Site No. C734164

Prepared by:

C&S Engineers, Inc.
499 Col Eileen Collins Blvd.
Syracuse, New York 13212

July 2024
Revised June 2025

EMERGENCY PHONE NUMBERS

Emergency Service	911
Police: Syracuse Police Department	(315) 442-5200
Fire: Syracuse Fire Department	(315) 453-5525
Hospital: Upstate: Emergency Room	(315) 464-5611
Hospital: Crouse: Emergency Room	(315) 470-7111
Department of Public Works	(315) 448-2489
National Response Center	(800) 424-8802
Poison Control Center	(800) 222-1222
Center for Disease Control	(800) 311-3435
NYSDEC Region 7 (Syracuse, New York)	(315) 426-7551
C&S Engineers	(315) 455-2000
Site Superintendent	(315) 884-0618
Site Project Manager	(315) 436-7511
Developer Main Office	(315) 476-7917

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Attachment B – Guidance on Incident Investigation and Reporting

SECTION 1 – GENERAL INFORMATION

This Health and Safety Plan (HASP) addresses health and safety considerations for the activities that personnel employed by C&S Engineers, Inc., may be engaged in during site investigation and remedial activities at 1153-69 West Fayette Street in the City of Syracuse, Onondaga County, New York; hereby, referred to as (Site). This HASP will be implemented by the Health and Safety Officer (HSO) during site work. All personnel engaged in site investigation, soil excavation and handling, remediation, and other activities associated with the implementation of the site investigation and remedy are required to maintain current HAZWOPER training, including initial 40-hour training, on-the-job training, and consistent annual 8-hour refresher training, as per the requirements of 29 CFR 1910.120.

Compliance with this HASP is required of C&S personnel who enter this Site. The content of the HASP may change or undergo revision based upon additional information made available to the health, safety, and training (H&S) committee, monitoring results or changes in the technical scope of work. Any changes proposed must be reviewed by the H&S committee.

1.1 Responsibilities

Project Manager.....	Claire Del Fatti Phone: (315) 703-4233 Cell: (315) 949-1805
C&S Health and Safety Director.....	Mike Sherlock Phone: (315) 703-4210 Cell: (315) 420-3455
Site Health and Safety Officer.....	Nick Coulombe Phone: (315) 703-4284 Cell: (315) 720-8682
Emergency Coordinator.....	Nick Coulombe Phone: (315) 703-4284 Cell: (315) 720-8682

1.2 Applicable Standards and Regulations References

A. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only. Where a conflict or overlap among regulations and/or these specifications exist, the most stringent requirements shall apply. C&S's Project Manager will determine which requirements are most stringent.

1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

a. ANSI Z89.1, Personnel Protective Equipment-Protective Headwear for Industrial Workers-Requirements (Latest Revision)

b. ANSI Z87.1, Occupational and Educational Personal Eye and Face Protection Devices

c. *ANSI Z9.2,* Fundamentals Governing the Design and Operation of Local Exhaust Systems

d. *ANSI Z88.2-80,* Practices for Respiratory Protection

2. CODE OF FEDERAL REGULATIONS (CFR)

a. 29 CFR Subpart D Walking-Working Surfaces

b. 29 CFR 1910 Occupational Safety and Health Standards-All Sections

c. 29 CFR 1926 Safety and Health Regulations for Construction-All Sections

d. 40 CFR 50.6 National Primary and Secondary Ambient Air Quality Standards for Particulate Matter

e. 40 CFR 61 National Emissions Standards for Hazardous Air Pollutants (NESHAPS)-Subpart A-General Provisions

f. 49 CFR 172 Hazardous Material Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements

3. NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

a. Publication Number 87-108 Respiratory Decision Logic

b. NIOSH/OSHA Booklet 3142 Lead in Construction

c. Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (NIOSH Publication 85-115)

4. U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

a. PUB 3126 Working with Lead in the Construction Industry

b. 29 CFR 1910, Subpart I, Appendix B-Non-Mandatory Compliance Guidelines for Hazard Assessment and Personal Protective Equipment Selection

SECTION 2 – HEALTH AND SAFETY PERSONNEL

The following information briefly describes the health and safety designations and general responsibilities for this Site.

2.1 Project Manager (PM)

The PM is responsible for the overall project including the implementation of the HASP. Specifically, this includes allocating adequate manpower, equipment, and time resources to conduct Site activities safely.

2.2 Health and Safety Manager

- Has the overall responsibility for coordinating and reporting health and safety activities and the health and safety of Site Workers.
- Must have completed, at a minimum, the OSHA 30-Hour Construction Safety Training, and either the 24-Hour training course for the Occasional Hazardous Waste Site Worker or the 40-Hour training course for the Hazardous Waste Operations Worker that meets OHSA 29 CFR 1910.
- Must have completed the 8-Hour site supervisor / manager's course for supervisors and managers having responsibilities for hazardous waste site operations and management.
- Directs and coordinates health and safety monitoring activities.
- Ensures that field teams utilize proper personal protective equipment (PPE).
- Conducts initial on-site specific training prior to Site Workers commencing work.
- Conducts and documents daily and periodic safety briefings.
- Ensures that field team members comply with this HASP.
- Immediately notifies the Project Manager of all accident / incidents.
- Determines upgrading or downgrading of PPE based on Site conditions and/or real time monitoring results.
- Ensures that monitoring instruments are calibrated daily or as the manufacturer's instructions determine.
- Provides daily summaries of field operations and progress to the Project Manager.
- Submits and maintains all documentation required in this HASP and any other pertinent health and safety documentation.

2.3 Health and Safety Officer (HSO)

- Must be designated by the Health and Safety Manager and at a minimum, have the OSHA 10-Hour Construction Safety Training.
- Must schedule and attend a Pre-Construction Safety Meeting with the Health and Safety Manager to discuss the Subcontractor Safety Requirements and must attend the Weekly Subcontractor Coordination Meeting.

- Responsible for ensuring subcontractors and their lower tier contractors comply with project safety requirements.
- Must make frequent and regular inspections of their work areas and activities and ensure hazards that are under their control are corrected immediately and all other hazards are reported to the Project Manager and Health and Safety Manager.
- Must report all work-related injuries, regardless of severity, to the Project Manager and the Health and Safety Manager within 24 hours after they occur.

2.4 Emergency Coordinator

- The Emergency Coordinator or his on-site designee will, in coordination with the Authority / Agency having Jurisdiction, implement the emergency response procedures outlined in Section 11 whenever conditions at the Site warrant such action.
- The Emergency Coordinator or his on-site designee will be responsible for assuring the evacuation, emergency treatment, emergency transport of C&S personnel as necessary, and notification of emergency response units (refer to phone listing in the beginning of this HASP) and the appropriate management staff.

2.5 Site Workers

- Report any unsafe or potentially hazardous conditions to the HSO and the Health and Safety Manager.
- Maintain knowledge of the information, instructions, and emergency response actions contained in the HASP.
- Comply with rules, regulations, and procedures as set forth in this HASP, including any revisions that are instituted.
- Prevent unauthorized personnel from entering work Site.

SECTION 3 – SITE HAZARDS EVALUATION

3.1 Chemical Hazards

3.1.1 Nature of Chemical Hazards

Based on the June 2023 Phase II Environmental Site Assessment (ESA), the September 2023 Surface Soil Investigation, and the November 2024 through February 2025 Remedial Investigation (RI) the known contaminants of concern include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), pesticides, herbicides, and per- and polyfluoroalkyl substances (PFAS). Various combinations of these contaminants are present in the surface soil, subsurface soil, groundwater, and soil vapor at the Site. The extent of the contamination in each media was investigation during the RI and is summarized below:

- Soil contamination is primarily limited to the historic fill material (HFM) located across the Site. The HFM is located immediately below existing surfaces and is underlain by native soils. The Site contains HFM with observed thickness of seven to 14 feet below ground surface (bgs). The observed HFM is shallowest on the west and south sides of the Site and deepest in the center and the northeast corner of the Site. SVOC contamination is most prominent along the western perimeter of the Site. It is believed that the contaminant sources are related to the historical urban and commercial uses of the property, historical coal handling practices in the vicinity of the coal silo and former rail spur, and the unregulated deposition of HFM that occurred over time.

- Groundwater is located across the Site at approximately 5.5 to 13 feet bgs. The groundwater across the Site contains various SVOCs at relatively low concentrations, but above corresponding groundwater standards and guidance values. Based on the data gathered during the RI, it appears that SVOCs in the groundwater are related to the presence of HFM across the Site. Low-level PFAS contaminated groundwater is located on the northwestern and southeastern portion of the Site. The likely reason for the presence of PFAS is not currently understood. Existing groundwater gradient data indicates a northwesterly flow direction. The groundwater gradient at the Site is moderate, averaging 0.0125 feet per foot.

- Carbon tetrachloride contaminated soil vapor is present in the northwestern portion of the single-story building. The impacted area is limited to approximately 500 square feet. Carbon tetrachloride was not identified in nearby sub-surface soil or groundwater.

3.1.2 Common Routes of Exposure

The contaminants at the Site may enter the human body in a variety of ways. Based on the nature of site contaminants, the chemical routes of exposure anticipated from the remedial activities at this site include:

Route	Mechanism	Control
Absorption	Dermal (skin) contact with impacted soil on-site resulting in absorption of chemicals of concern through the skin and into the blood stream.	Proper use of PPE will minimize risks of exposure at the site.
Ingestion	Chemicals / materials of concern can come in direct contact with the mouth from soil or other contaminated areas (PPE, skin, tools, etc.) and enter the bloodstream through the stomach lining.	Proper care in handling PPE and tools, refraining from eating and drinking at the Site, and frequent hand washing with soap and water will minimize risks of exposure.
Inhalation	Volatile vapors and/or contaminants attached to dust and particulates can be entrained by wind and become airborne across the site and be subsequently inhaled through the nose and / or mouth. This exposure route is the most likely way for worker exposure to occur.	Conduct monitoring of air quality for VOCs in worker breathing zones. Employ methods that minimize the creation of dust and utilize dust suppression techniques to minimize dust and particulates. Respirators with appropriate filtration and organic adsorption cartridges should be available to on-site workers in case volatile compounds become a nuisance or health hazard.

3.2 Physical Hazards

Based upon the anticipated field activities, the following potential physical hazardous conditions may exist:

Category	Mechanism	Control
Mechanical Equipment	The use of typical mechanical equipment such as drill rigs and sampling vehicles can create a potential for crushing and pinching hazards due to movement and positioning of the equipment, movement of lever arms and hydraulics, and entanglement of clothing and appendages in exposed drives and tracks. Mechanical equipment can also create a potential for impact of steel tools, masts, and cables should equipment rigging fail, or other structural failures occur during hydraulic equipment operation.	Heavy equipment work must be conducted only by trained, experienced personnel. If possible, personnel must remain outside the turning radius of large, moving equipment. At a minimum, personnel must maintain visual contact with the equipment operator. When not operational, equipment must be set and locked so that it cannot be activated, released, dropped, etc. The mechanical equipment stated above represents typical equipment that is ordinarily used during this scope of work but is not meant to be an all-inclusive list. Similar precautions should be used around other mechanical equipment deployed to the Site that is not listed above.

Category	Mechanism	Control
Excavations and Trenches	The use of excavation/trenching such as removal of overburden soils, installation of utilities, and site grading operations can cause potential for suffocation, crushing, or other injury from falling material. Advancement of excavation and trenches can also create possible damage/failure of any installed underground utility services and create hazards. Other hazards created can included tripping, slipping, or falling. Entering an excavation or trench could have the possibility of an explosive, flammable, toxic, or oxygen-deficient atmosphere within the excavation or trench.	Ensure compliance with OSHA's construction standard for excavations (29 CFR 1926 Subpart P). Designate a Competent Person responsible for selecting and implementing the appropriate protective system(s), assuring appropriate means of access and egress for excavations greater than four (4) feet in depth, and for ensuring that potential atmospheric and physical hazards associated with any excavation / trenching activities are completed in accordance with Subpart P and other applicable OSHA Standards.
Noise	Work around large equipment often creates excessive noise. Noise can cause workers to be startled, annoyed, and/or distracted; as well as causing pain, physical damage to the ear, and temporary and/or permanent hearing loss; and can interfere with communication.	If workers are subjected to noise exceeding an 8-hour time-weighted average sound level of 85 dBA, hearing protection will be required with an appropriate noise reduction rating to comply with 29 CFR 1910.95 and to reduce noise levels below levels of concern.
Slips / Trips / Falls	Personnel may encounter slip, trip, and fall hazards associated with excavations, manways, and construction debris and materials. Precautionary measures should be taken by identifying and removing slip, trip, and fall hazards prior to commencing work.	In the event slip, trip, and fall hazards cannot be removed or minimized, site workers will be shown the location of the physical hazard and be asked to avoid it during work activities.
Fire / Explosion	The potential for fire and/or explosion emergencies is always present on the Site.	Field vehicles will be equipped with a fire extinguisher. Employees, contractors and workers must be trained in the proper use of fire suppression equipment. However, large fires that cannot be controlled with a fire extinguisher shall be handled by professionals. The proper authorities shall be notified in these instances, as well as the HSO and Health and Safety Manager.

Category	Mechanism	Control
Cold Exposure	Persons working in the outdoors in temperatures at or below freezing may be subject to frostbite. Extreme cold for a short time may cause injury to exposed body surfaces or result in a profound generalized cooling which can cause death. Areas of the body such as fingers, toes, and ears, are the most susceptible to cold stress. Ambient air temperature and wind velocity are two factors which influence the development of a cold weather injury. Local injury resulting from exposure to cold temperatures is known as "frostbite." There are several degrees of damage in which frostbite of the extremities can be categorized, as follows: ○ Frost nip or incipient frostbite is characterized by sudden bleaching or whitening of the skin. ○ Superficial frostbite occurs when the skin has a waxy or white appearance and is firm to the touch, but tissue beneath is resilient. ○ Deep frostbite is characterized by tissues that are cold, pale, and solid; this is an extremely serious injury.	Wear several layers of dry clothes so that you can vary the amount of clothing to match the conditions. If there is wind, wear a windbreaker, since wind increases the effects of cold air and in turn lowers your body's core temperature even faster. Don't get overheated. Sweat can dampen clothing and in turn lead to over-cooling. Keep hands, feet, ears, and face warm. These are the areas of the body where frostbite tends to strike first. Heart disease and the use of sedatives or excessive alcohol will make you more susceptible to cold stress. If you feel chilly or sleepy, or have pain in your extremities, go to a warm shelter to recover.

Category	Mechanism	Control
Heat Exposure / Stress	Heat stress can result from a number of contributing factors, including environmental conditions, clothing, and workload as well as the physical condition of the individual. Since heat stress is one of the most common injuries / symptoms associated with outdoor work conducted with direct solar load, and, in particular, because wearing PPE can increase the risk of developing heat stress, workers must be capable of recognizing the signs and symptoms of heat-related illnesses. Signs and symptoms of heat-related illnesses which all on-site personnel should be aware, include the following: ○ Heat rash may result from continuous exposure to heat or humid air. ○ Heat cramps are caused by heavy sweating and may include muscle spasms and pain in the hands, feet, and abdomen. ○ Heat exhaustion is indicated by pale, cool, and moist skin; heavy sweating; dizziness; nausea; and fainting. ○ Heat stroke is indicated by red, hot, and unusually dry skin; lack of or reduced perspiration; nausea; dizziness and confusion; rapid pulse; and coma. Immediate action must be taken to cool the body before serious injury or death occurs.	The following will steps will be taken to limit heat exposure: adjust schedules, take breaks, limit heavy work in protective clothing or in a hot environment may require more time resting than working. Schedule heavy work in the coolest part of the day. Have shaded rest shelters with chairs or benches. Drink Fluids. Sweating cools the body, but it also robs the body of fluid. Drink enough fluids to replace what you lose. You may not feel thirsty until you've become dehydrated. Drink regularly throughout the day. Don't wait until you're thirsty. Monitor for signs of potential heat exposure and stress through use of the "buddy system', with frequent communication between site personnel. Take scheduled breaks and hydrate frequently throughout the day. Maintain an adequate supply of cold water and electrolyte containing drinks in support zone of site. In the event that personnel are observed to exhibit dizziness, disorientation, heat rash, slurred speech, dry mouth, heat cramps, or other symptoms of heat stress, discontinue work immediately and move affected person(s) to a location that is free from direct sunlight and provide fluids (preferably "Gatorade" or similar product that will replenish electrolytes). Monitor condition during to evaluate whether there is notable improvement in their condition.
Utilities	Overhead and underground utilities may exist within the Work Area, which may expose workers to electrocution hazards, explosive hazards, and volatile vapors.	Dig Safely New York shall be contacted a minimum of three business days prior to initiating the field activities, to arrange for the identification and markout of buried utilities at the site. The contact number for Dig Safely New York is 1-800-962-7962. In the event of inadvertent damage to buried utilities, all work shall cease, and the situation shall be evaluated by the HSO.

3.3 Environmental Hazards

Based upon the anticipated field activities, the following potential environmental hazardous conditions may exist:

Category	Hazard	Control
Biological	Ticks, bees/wasps, mosquitos, spiders, snakes, rabid animals	There are no known species of poisonous spiders or snakes common to the area. Minimize potential exposure to by wearing wear long pants and safety shoes. Change clothing and carefully examine for evidence of insects and ticks upon undressing, immediately following return from the site. Avoid contact with any animals, either wild or domestic, that may be encountered while conducting the field activities, and notify the local office of the New York State Department of Health (NYSDOH) in the event that animals are observed to elicit strange behavior. In the event of contact with an animal that is behaving in a strange manner, the NYSDOH should be contacted immediately.
Biological	Poison Ivy, Poison Oak	Familiarize yourself with the characteristics and appearance of poison ivy and poison oak. Be cognizant of vegetation while conducting work activities. Minimize potential exposure to by wearing wear long pants and safety shoes. Change clothing immediately following return from the site.
Weather	Wet surfaces, lighting, high winds (falling objects, contaminated dust), hail, excessive heat, extreme cold, snow and ice.	Remain cognizant of weather conditions, forecasts, and changing weather conditions. Exercise extra caution during wet and inclement site conditions to minimize risk of slips and falls. Avoid work during periods of high winds to reduce risk of injury from falling objects and airborne contaminant migration. Cease work and monitor conditions in the event that lightning is observed or suspected in the area, or in the event that other weather conditions pose a health or safety hazard.

SECTION 4 – TRAINING

4.1 Site-Specific Training

Training will be provided that specifically addresses the activities, procedures, monitoring, and equipment for the Site operations prior to going on Site. Training will include familiarization with Site and facility layout, known and potential hazards, and emergency services at the Site, and details all provisions contained within this HASP. This training will also allow Site Workers to clarify anything they do not understand and to reinforce their responsibilities regarding safety and operations for their particular activity.

4.2 Task-Specific Training

For projects involving asbestos sampling, personnel will be trained to collect bulk asbestos samples using the requirements set forth in 40 CFR Part 763.92(a) (1) and (2) and 40 CFR Part. 763, Subpart. E, App. C. The training incorporates many sections of 40 CFR Part 763 but should focus on the sampling method listed in 40 CFR Part 763.86. The training includes inspection planning, bulk sampling, personal protection, and reporting. Personnel must demonstrate proficiency by identifying areas where asbestos may be found and properly collecting a bulk sample using proper methodology.

4.3 Safety Briefings

C&S project personnel will be given briefings by the HSO on a daily or as needed basis to further assist Site workers in conducting their activities safely. Pertinent information will be provided when new operations are to be conducted. Changes in work practices must be implemented due to new information made available, or if Site or environmental conditions change. Briefings will also be given to facilitate conformance with prescribed safety practices. When conformance with these practices is not occurring or if deficiencies are identified during safety audits, the project manager will be notified.

4.4 Daily Tailgate Safety Meeting

The HSO or the HSO designee will be responsible for conducting a daily tailgate safety meeting prior to start of any work activities. The contractor and workers will be responsible for attending daily tailgate safety meetings, as well as providing any additional insight into any possible hazards which might be anticipated or encountered throughout the day on the Site. The meeting will discuss any measures which will be implemented throughout the day to mitigate any hazards. The meetings are designed to create awareness of any hazards and their associated mitigation measures at the Site. If conditions at the Site change and new hazards are determined to be present, work will be stopped and an additional safety meeting will be conducted. The daily tailgate meetings discussions will be logged, as well as all who attended.

SECTION 5 – COMMUNICATIONS

5.1 Communications

A phone will be located on Site to be utilized by personnel conducting investigation. Cell phones will be the primary means of communicating with emergency support services/facilities.

SECTION 6 – PERSONAL PROTECTIVE EQUIPMENT

6.1 Personal Protective Equipment – General

The level of protection to be worn by field personnel will be defined and controlled by the HSO. Depending upon the type and levels of material present or anticipated at the site, varying degrees of protective equipment will be needed. If the possible hazards are unknown, a reasonable level of protection will be taken until sampling and monitoring results can ascertain potential risks. The levels of protection listed below are based on USEPA Guidelines. A list of the appropriate clothing for each level is also provided.

Level A protection must be worn when a reasonable determination has been made that the highest available level of respiratory, skin, eye, and mucous membrane protection is needed. It should be noted that while Level A provides maximum available protection, it does not protect against all possible hazards. Consideration of the heat stress that can arise from wearing Level A protection should also enter into the decision-making process. Level A protection includes:

- Open circuit, pressure-demand self-contained breathing apparatus (SCBA)
- Totally encapsulated chemical resistant suit
- Gloves, inner (surgical type)
- Gloves, outer, chemical protective
- Boots, chemical protective

Level B protection must be used when the highest level of respiratory protection is needed, but hazardous material exposure to the few unprotected areas of the body (e.g., the back of the neck) is unlikely. Level B protection includes:

- Open circuit, pressure-demand SCBA or pressure airline with escape air bottle
- Chemical protective clothing: Overalls and long sleeved jacket; disposal chemical resistant coveralls; coveralls; one or two piece chemical splash suit with hood
- Gloves, inner (surgical type)
- Gloves, outer, chemical protective
- Boots, chemical protective

Level C must be used when the required level of respiratory protection is known, or reasonably assumed to be, not greater than the level of protection afforded by air purifying respirators; and hazardous materials exposure to the few unprotected areas of the body (e.g. the back of the neck) is unlikely. Level C protection includes:

- Full or half face air-purifying respirator
- Chemical protective clothing: Overalls and long-sleeve jacket; disposable chemical resistant coveralls; coveralls; one- or two-piece chemical splash suit
- Gloves, inner (surgical type)

- Gloves, outer, chemical protective
- Boots, chemical protective

Level D is the basic work uniform. It cannot be worn on any site where respiratory or skin hazards exist. Level D protection includes:

- Safety boots/shoes
- Safety glasses
- Hard hat with optional face shield

Note that the use of SCBA and airline equipment is contingent upon the user receiving special training in the proper use and maintenance of such equipment.

6.2 Personal Protective Equipment – Site Specific

Level D with some modification will be required when working on this Site. In addition to the basic work uniform specified by Level D protection, nitrile gloves will be required when contact with soil and/or groundwater is likely. Hearing protection will be worn when power equipment is used to perform subsurface work. An upgrade to a higher level (Level C) of protection may occur if determined necessary by the HSO.

SECTION 7 – MONITORING PROCEDURES

7.1 Monitoring During Site Operations

All Site environmental monitoring should be accompanied by periodic meteorological monitoring of appropriate climatic conditions.

7.1.1 Surface Soil Operation

Monitoring will be performed by the HSO or field personnel during the conduct of work. A photoionization detector (PID) equipped with a 10.6 eV lamp will be utilized to monitor for the presence of volatile organic vapors within the breathing zone, the surface soil holes, and subsurface samples upon their retrieval. The PID will be field checked for calibration accuracy three times per day (morning, lunch, and end of day.

7.1.2 Drilling / Test Pit Operations (Monitoring Well Installation and Subsurface Borings)

Monitoring will be performed by the HSO or drilling observer during the conduct of work. A PID equipped with a 10.6 eV lamp will be utilized to monitor for the presence of volatile organic vapors within the breathing zone, the borehole, and subsurface samples upon their retrieval. Drill cuttings and excavation spoils will also be monitored by use of the PID. The PID will be field checked for calibration accuracy three times per day (morning, lunch, and end of day. If subsurface conditions warrant, a combustible gas indicator (CGI) with oxygen alarm may also be used to monitor the borehole for the presence of combustible gases. Similar monitoring of fluids produced during well development will also be conducted.

7.1.3 Soil Excavation and Trenching Operation

Monitoring will be performed by the HSO or remedial observer during the conduct of work. A PID equipped with a 10.6 eV lamp will be utilized to monitor for the presence of volatile organic vapors within the breathing zone, the excavation or trench, and any subsurface samples upon their retrieval. Excavation and trenching spoils will also be monitored by use of the PID. The PID will be field checked for calibration accuracy three times per day (morning, lunch, and end of day. If subsurface conditions warrant, a CGI with oxygen alarm may also be used to monitor the borehole for the presence of combustible gases.

7.2 Action Levels

If readings on the PID exceed 10 ppm for more than fifteen minutes consecutively, then personal protective equipment should be upgraded to Level C. The air purifying respirator used with Level C protective equipment must be equipped with organic vapor cartridges. If readings on the explosive gas meter are within a range of 10%-25% of the lower exposure limit (LEL) then continuous monitoring will be implemented. Readings above 25% of the LEL indicate the potential

for an explosive condition. Sources of ignition should be removed and the Site should be evacuated.

7.3 Personal Monitoring Procedures

Personal monitoring shall be performed as a contingency measure in the event that VOC concentrations are consistently above the 10-ppm action level as detected by the PID. If the concentration of VOCs is above this action level, then amendments to the HASP must be made before work can continue at the Site.

SECTION 8 – SAFETY CONSIDERATIONS FOR SITE OPERATIONS

8.1 General

Standard safe work practices that will be followed include:

- Do not climb over/under drums, or other obstacles.
- Do not work on the Site alone.
- Practice contamination avoidance, on and off-site.
- Plan activities ahead of time, and use caution when conducting concurrently running activities.
- No eating, drinking, chewing or smoking is permitted on the Site.
- Due to the unknown nature of waste placement at the Site, extreme caution should be practiced during excavation activities.
- Apply immediate first aid to any and all cuts, scratches, abrasions, etc.
- Be alert to your own physical condition. Watch your buddy for signs of fatigue, exposure, etc.
- A work/rest regimen will be initiated when ambient temperatures and protective clothing create a potential heat or cold stress situation.
- No work will be conducted without adequate natural light or without appropriate supervision.
- Task safety briefings will be held prior to onset of task work.
- Ignition of flammable liquids within or through improvised heating devices (barrels, etc.) or space heaters is forbidden.
- Entry into areas of spaces where toxic or explosive concentrations of gases or dust may exist without proper equipment is prohibited.
- Any injury or unusual health effect must be reported to the Site HSO.
- Prevent splashing or spilling of potentially contaminated materials.
- Use of contact lenses is prohibited while on site.
- Beards and other facial hair that would impair the effectiveness of respiratory protection are prohibited if respiratory protection is necessary.
- Field crew members should be familiar with the physical characteristics of investigations, including but not limited to:
    - Wind direction in relation to potential sources
    - Accessibility to co-workers, equipment, and vehicles
    - Communication
    - Hot zones (areas of known or suspected contamination)
    - Site access
    - Nearest water sources
- The number of personnel and equipment in potentially contaminated areas should be minimized consistent with site operations.

8.2 Field Operations

The HSO or designee will be present on-site during all intrusive work, e.g., drilling operations, excavations, trenching, and will provide monitoring to oversee that appropriate levels of protection and safety procedures are utilized by C&S Engineers, Inc., personnel. The use of salamanders or other equipment with an open flame is prohibited and the use of protective clothing, especially hard hats and boots, will be required during drilling or other heavy equipment operations.

8.3 General Asbestos Safety

Asbestos exposure is primarily an inhalation hazard. OSHA compliant respiratory protection should be worn if there is risk of asbestos becoming airborne. Personal Protective Equipment including protective clothing (suits/gloves, etc.) may be necessary to avoid contaminating the worker and/or the site.

Procedural Precautions - The sampler should be aware that disruption of asbestos-containing materials can create the potential for cross contamination when conducting bulk asbestos sampling.

The Sampler should take the following precautions to avoid cross contamination as well as disruption of material while sampling:

- The sampling tool must be cleaned with amended water after every sample is collected, or a different clean tool must be used.
- The sampler must avoid touching the material being sampled (utilize gloves).
- The area being sampled must be sufficiently wet before collecting the sample.
- The space left after sampling must be sealed with repair/patch material to reduce the chance of airborne exposure.

The object or material sampled should be minimally disturbed during the sampling process.

SECTION 9 – DECONTAMINATION PROCEDURES

9.1 General Decontamination

Decontamination involves physically removing contaminants and / or converting them chemically into innocuous substances. Only general guidance can be given on methods and techniques for decontamination. Decontamination procedures are designed to:

- Remove contaminant(s).
- Avoid spreading the contamination off Site.
- Avoid exposing unprotected personnel off Site to contaminants.

9.2 Contamination Avoidance

Contamination avoidance is the first and best method for preventing spread of contamination from a hazardous site. Each person involved in site operations must practice the basic methods of contamination avoidance listed below. Additional precautions may be required in the HASP.

- Know the limitations of all protective equipment being used.
- Use the proper tools necessary to safely conduct the work.

9.3 Reducing Contamination

Specific methods that may reduce the chance of contamination are:

- Use of remote sampling techniques.
- Opening containers by non-manual means.
- Bagging monitoring instruments.
- Use of drum grapplers.
- Watering down dusty areas.

9.4 Equipment Decontamination

Equipment which will need to be decontaminated includes tools, monitoring equipment, and personal protective equipment. Items to be decontaminated will be brushed off, rinsed, and dropped into a plastic container supplied for that purpose. They will then be washed with a detergent solution and rinsed with clean water. Instrumentation that is contaminated during field operations will be carefully wiped down. Heavy equipment, if utilized for operations where it may be contaminated, will have prescribed decontamination procedures to prevent contaminant materials from potentially leaving the Site. On-site contractors, such as drillers or backhoe operators, will be responsible for decontaminating all construction equipment prior to demobilization.

SECTION 10 – DISPOSAL PROCEDURES

All discarded materials, waste materials, or other objects shall be handled in such a way as to reduce or eliminate the potential for spreading contamination, creating a sanitary hazard, or causing litter to be left on-site. All potentially contaminated materials, e.g., clothing, gloves, etc., will be bagged or drummed as necessary and segregated for proper disposal. All contaminated waste materials shall be disposed of as required by the provisions included in the contract and consistent with regulatory provisions. All non-contaminated materials shall be collected and bagged for appropriate disposal.

Investigation derived waste (IDW) that is free from physical indications of contamination such as odors, staining, and sheens will be placed back into the borehole of origin or in the case of well water allowed to infiltrate the Site surface. In cases where physical indications of contamination are evident, the affected media will be containerized per NYSDOT requirements pending proper disposal. Samples may be analyzed for toxicity characteristic leaching procedure (TCLP) VOCs, SVOCs, pesticides, herbicides, and metals; PCBs; pH (corrosivity), flash point (ignitability); reactivity; and paint filter (free liquids).

SECTION 11 – EMERGENCY RESPONSE PROCEDURES

As a result of the hazards at the Site, and the conditions under which operations are conducted, there is the possibility of emergency situations. This section establishes procedures for the implementation of an emergency plan.

11.1 Emergency Coordinator

Emergency Coordinator:..... Nick Coulombe..... Work Phone: (315) 703-4284

The Emergency Coordinator or his on-site designee will, in coordination with the Authority / Agency having Jurisdiction, implement the emergency response procedures whenever conditions at the site warrant such action. The Emergency Coordinator or his on-site designee will be responsible for assuring the evacuation, emergency treatment, emergency transport of C&S personnel or workers as necessary, and notification of emergency response units (**refer to phone listing** in the beginning of this HASP) and the appropriate management staff.

11.2 Evacuation

In the event of an emergency situation, such as fire, explosion, significant release of toxic gases, etc., all personnel will evacuate and assemble in a designated assembly area. The Emergency Coordinator or his on-site designee will have authority to contact outside services as required. Under no circumstances will incoming personnel or visitors be allowed to proceed into the area once the emergency signal has been given. The Emergency Coordinator or his on-site designee must see that access for emergency equipment is provided and that all ignition sources have been shut down once the emergency situation is established. Once the safety of all personnel is established, the Fire Department and other emergency response groups will be notified by telephone of the emergency.

11.3 Potential / Actual Fire or Explosion

Immediately evacuate the Site and notify local fire and police departments, and other appropriate emergency response groups, if LEL values are above 25% in the work zone or if an actual fire or explosion has taken place.

11.4 Environmental Incident (Spread or Release of Contamination)

Control or stop the spread of contamination if possible. Notify the Emergency Coordinator and the Project Manager. Other appropriate response groups will be notified as appropriate.

11.5 Personnel Injury

Emergency first aid shall be applied on-site as necessary. Then, decontaminate (en route if necessary) and transport the individual to nearest medical facility if needed. The ambulance/rescue squad shall be contacted for transport as necessary in an emergency. A map of directions to the nearest hospital is shown in **Attachment A**.

11.6 Personnel Exposure

- *Skin Contact*: Use copious amounts of soap and water. Wash/rinse affected area thoroughly, and then provide appropriate medical attention. Eyes should be thoroughly rinsed with water for at least 15 minutes.
- *Inhalation*: Move to fresh air and/or, if necessary, decontaminate and transport to emergency medical facility.
- *Ingestion*: Decontaminate and transport to emergency medical facility.
- *Puncture Wound/Laceration*: Decontaminate, if possible, and transport to emergency medical facility.

11.7 Adverse Weather Conditions

In the event of adverse weather conditions, the HSO will determine if work can continue without sacrificing the health and safety of field workers.

11.8 Incident Investigation and Reporting

In the event of an incident, procedures discussed in the Medical Emergency / Incident Response Protocol, presented in **Attachment B** of this HASP, shall be followed.

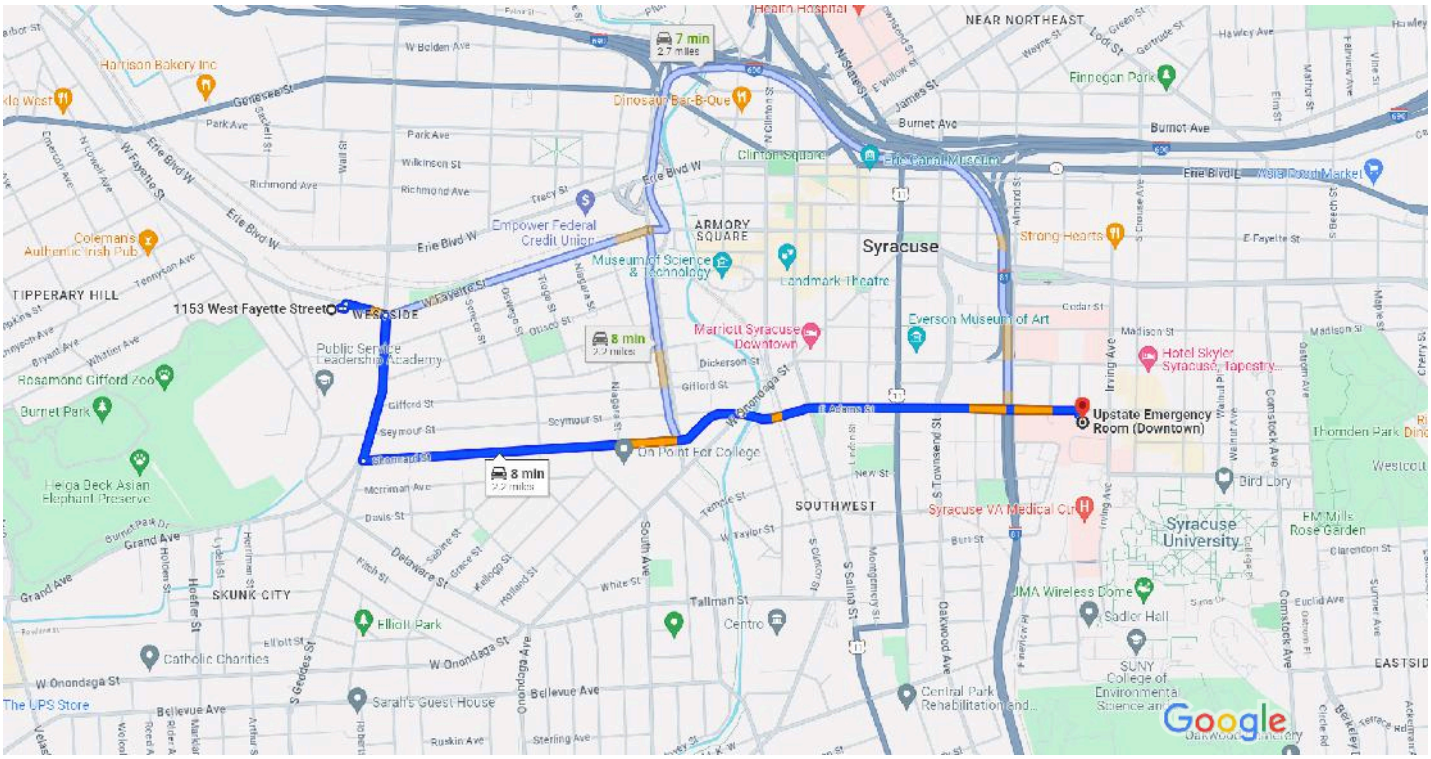
Attachment A

MAP AND DIRECTIONS TO HOSPITAL

Google Maps

1153 W Fayette St, Syracuse, NY 13204 to Upstate Emergency Room (Downtown), 750 E Adams St, Syracuse, NY 13210

Drive 2.2 miles, 8 min



Map data ©2024 Google 1000 ft

1153 W Fayette St
Syracuse, NY 13204

1. Head east toward W Fayette St — 46 ft
2. Turn left toward W Fayette St — 59 ft
3. Turn right onto W Fayette St — 0.1 mi
4. Turn right onto S Geddes St — 0.3 mi
5. Turn left onto Shonnard St — 0.9 mi
6. Continue onto W Adams St — 0.8 mi
7. Turn right
   Destination will be on the right — 75 ft

Attachment B

GUIDANCE ON INCIDENT INVESTIGATION AND REPORTING

Medical Emergency / Incident Response Protocol

Prepared by:

C&S Engineers, Inc.
499 Col Eileen Collins Blvd.
Syracuse, New York 13212

SECTION 1 – PURPOSE

From time to time employees of C&S Engineers, Inc. will sustain an injury while working on the job. While every effort is being made to prevent this, in the event of an injury or illness on the job, the following procedures will be implemented. This format may also be utilized in the event of a property damage incident.

SECTION 2 – SCOPE

This guideline applies to all C&S Engineers, Inc. job sites and employees.

SECTION 3 – GUIDELINES

3.1 First Response Procedures

Upon notification or awareness of an incident/accident with injuries or illness the Emergency Coordinator or his On-Site Designee will:

1. Ensure that the injured employee is receiving immediate first aid and medical care.
2. Notify Emergency Services (911) if injuries are severe.
3. Stabilize the work area; ensure that no one else can be injured.
4. Notify the Project Manager at the earliest possible convenience**.**
5. Notify the Owner/Client at the earliest possible convenience.

To assist the Health and Safety Manager in the root cause analysis, the Emergency Coordinator or his On-Site Designee will also make an attempt to:

1. Obtain the names and phone numbers of witnesses.
2. Preserve the accident scene if possible for analysis.

3.2 Injury Management

1. If the patient is stable with non-life threatening injuries, the foreman will ensure the employee is transported to the emergency medical facility listed in Section 1 of the HASP. Directions to the nearest emergency medical facility are located in Attachment A of the HASP.

At no time will an injured employee drive themselves to medical care.

2. If the patient has serious or life threatening injuries, the emergency coordinator or his on- site designee will notify the emergency services for the area for treatment and transport to a hospital or emergency room. Serious injuries can be considered but not limited to head injuries, loss of consciousness, severe laceration or amputation, fractured bones, burns and eye injuries.

3. Following the treatment and care of the injured employee, the emergency coordinator or his on-site designee and the project manager will initiate the completion of the first injury report. The Health & Safety Manager will assist.

3.3 Project Manager

1. Upon notification of a personal injury or illness on the job site, will notify C&S Engineers, Inc, President and Corporate Legal and C&S Companies Health and Safety Manager.
2. Will report to the worksite to initiate the first injury report.
3. Will report to the treatment facility to check on the well being of the injured employee.
4. The project manager will ensure that the treatment facility is aware that this is a workers compensation case.
5. Will assist the Health and Safety Manager in the analysis of the incident.

3.4 Health & Safety Manager

1. Upon notification of the personal injury will determined if it is necessary to report to the treatment facility or the accident site, depending on the nature of the injuries and the circumstances of the accident.
2. Will report to the worksite to begin a root cause analysis investigation of the accident.
3. The investigation may include interview of witnesses, field crew , and project manager, the photographing of the scene, reconstruction of the accident scene, using test instruments and taking measurements. The Health and Safety Manager may draw diagrams from the information learned.
4. The Health and Safety Manager will work with the owner/client as necessary to investigate the accident.
5. The Health & Safety manager will ensure that the site is safe to resume work.
6. The Health & Safety Manager shall initiate the New York State Compensation form requirements (C-2) and forward a copy of the C-2 to the C & S Engineers, Inc. controller for transmittal to the Compensation Carrier within 8 hrs of notification of the incident or by the end of the next business day.
7. The Health and Safety manager, upon completion of the investigation, will provide the
8. Project Manager with a written investigative report (copy to the President)
9. The accident will be reviewed at the next Project Managers meeting with the intent to prevent further or similar events on other projects.
10. The Health & Safety Manager will assess the incident to determine OSHA record ability and make record if necessary on the OSHA 300 form, within five working days.

SECTION 4 - INCIDENT RESPONSE

4.1 Purpose

To prevent the occurrence of accidents on C&S Engineers, Inc., work sites and to establish a procedure for investigation and reporting of incidents occurring in, or related to C&S work activities.

4.2 Scope

Applies to all incidents related to C&S Engineers, Inc. work activities.

4.3 Definitions

Accident - An undesired event resulting in personal injury and/or property damage, and/or equipment failure.

Fatality - An injury or illness resulting in death of the individual.

Incident - Any occurrence which results in, or could potentially result in, the need for medical care or property damage. Such incidents shall include lost time accidents or illness, medical treatment cases, unplanned exposure to toxic materials or any other significant occurrence resulting in property damage or in "near misses."

Incidence Rate - the number of injuries, illnesses, or lost workdays related to a common exposure base of 100 full-time workers. The rate is calculated as:

N/EH x 200,000

N = number of injuries and illnesses or lost workday cases; EH = total hours worked by all associates during calendar year. 200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

Injury - An injury such as a cut, fracture, sprain, amputation, etc. which results from a work accident or from a single instantaneous event in the work environment.

Lost Workday Case - A lost workday case occurs when an injured or ill employee experiences days away from work beginning with the next scheduled work day. Lost workday cases do not occur unless the employee is affected beyond the day of injury or onset of illness.

Recordable Illness - An illness that results from the course of employment and must be entered on the OSHA 300 Log and Summary of Occupational Injuries and Illnesses. These illnesses require medical treatment and evaluation of work related injury. For example, dermatitis, bronchitis, irritation of eyes, nose, and throat can result from work and non-work related incidents.

Recordable Injury - An injury that results from the course of employment and must be entered on the OSHA 300 Log and Summary of Occupational Injuries and Illnesses. These injuries require medical treatment; may involve loss of consciousness; may result in restriction of work or motion or transfer to another job; or result in a fatality.

Near Miss - An incident which, if occurring at a different time or in a different personnel or equipment configuration, would have resulted in an incident.

4.4 Responsibilities

Employees - It shall be the responsibility of all C&S Engineers, Inc. employees to report all incidents as soon as possible to the HSC, regardless of the severity.

Human Resources - has overall responsibility for maintaining accident/ incident reporting and investigations according to current regulations and recording injuries/ illness on the OSHA 300 log, and posting the OSHA 300 log.

Emergency Coordinator - It is the responsibility of the Emergency Coordinator to investigate and prepare an appropriate report of all accidents, illnesses, and incidents occurring on or related to C&S Engineers, Inc. work. The Emergency Coordinator shall complete Attachment A within 24 hours of the incident occurrence.

Health and Safety Manager (HSM) - It is the responsibility of the HSM to investigate and prepare an appropriate report of all lost time injuries and illnesses and significant incidents occurring on or related to C&S Companies. The HSM shall maintain the OSHA 300 form.

Project Managers (PM) - It shall be the PM's responsibility to promptly correct any deficiencies in personnel, training, actions, or any site or equipment deficiencies that were determined to cause or contribute to the incident investigated.

SECTION 5 – GUIDELINES

5.1 Incident Investigation

The Project Manager will immediately investigate the circumstances surrounding the incident and will make recommendations to prevent recurrence. The HSM shall be immediately notified by telephone if a serious accident/ incident occurs. The incident shall be evaluated to determine whether it is OSHA recordable. If the incident is determined to be OSHA 300 recordable, it shall be entered on the OSHA 300 form.

The Project Manager with assistance from the HSM must submit to the office an incident report form pertaining to any incident resulting in injury or property damage.

5.2 Incident Report

The completed incident report must be completed by the Project Manager within 12 hours of the incident and distributed to the HSM, and Human Resources. This form shall be maintained by Human Resources for at least five years for all OSHA recordable cases. This form serves as an equivalent to the OSHA 101 form.

5.3 Incident Follow-up Report

The Incident Follow-Up Report (Attachment B) shall be distributed with the Incident Report within one week of the incident. Delay in filing this report shall be explained in a brief memorandum.

5.4 Reporting of Fatalities or Multiple Hospitalization Accidents

Fatalities or accidents resulting in the hospitalization of three or more employees must be reported to OSHA verbally or in writing within 8 hours. The report must contain 1) circumstances surrounding the accident(s), 2) the number of fatalities, and 3) the extent of any injuries.

5.5 OSHA 300A Summary Form

Recordable cases must be entered on the log within six workdays of receipt of the information that a recordable case has occurred. The OSHA log must be kept updated to within 45 calendar days.

OSHA 300 forms must be updated during the 5 year retention period, if there is a change in the extent or outcome of an injury or illness which affects an entry on a log. If a change is necessary, the original entry should be lined out and a corrected entry made on that log. New entries should be made for previously unrecorded cases that are discovered or for cases that initially weren't recorded but were found to be recordable after the end of the year. Log totals should also be modified to reflect these changes.

5.6 Posting

The log must be summarized at the end of the calendar year and the summary must be posted from February 1 through May 31.

5.7 OSHA 300A

Facilities selected by the Bureau of Labor Statistics (BLS) to participate in surveys of occupational injuries and illnesses will receive the OSHA 300A. The data from the annual summary on the OSHA 300 log should be transferred to the OSHA 300A, other requested information provided and the form returned as instructed by the BLS.

5.8 Access to OSHA Records

All OSHA records (accident reporting forms and OSHA 300 logs) should be available for inspection and copying by authorized Federal and State government officials.

Employees, former employees, and their representatives must be given access for inspection and copying to only the log, OSHA No. 300, for the establishment in which the employee currently works or formerly worked.

SECTION 6 – REFERENCES

29 CFR Part 1904

SECTION 7 – ATTACHMENTS

Attachment A - Incident Investigation Form
Attachment B - Incident Follow-Up Report
Attachment C - Establishing Recordability

ATTACHMENT A

INCIDENT INVESTIGATION FORM

Accident investigation should include:

Location:

Time of Day:

Accident Type:

Victim:

Nature of Injury:

Released Injury:

Hazardous Material:

Unsafe Acts:

Unsafe Conditions:

Policies, Decisions:

Personal Factors:

Environmental Factors:

ATTACHMENT B

INCIDENT FOLLOW-UP REPORT

Date _____

Foreman: _____

Date of Incident: _____

Site: _____

Brief description of incident: _____

_____

_____

_____

_____

Outcome of incident: _____

_____

_____

_____

Physician's recommendations: _____

_____

_____

_____

Date the injured returned to work: _____

Project Manager Signature: _____

Date: _____

ATTACH ANY ADDITIONAL INFORMATION TO THIS FORM

ATTACHMENT C

ATTACHMENT ESTABLISHING RECORDABILITY

1. Deciding whether to record a case and how to classify the case.

   Determine whether a fatality, injury or illness is recordable.

   A fatality is recordable if:

   - Results from employment

   An injury is recordable if:

   - Results from employment and
   - It requires medical treatment beyond first aid or
   - Results in restricted work activity or job transfer, or
   - Results in lost work day or
   - Results in loss of consciousness

   An illness is recordable if:

   - It results from employment

2. Definition of "Resulting from Employment"

   Resulting from employment is when the injury or illness results from an event or exposure in the work environment. The work environment is primarily composed of: 1) The employer's premises, and 2) other locations where associates are engaged in work-related activities or are present as a condition of their employment.

   The employer's premises include company rest rooms, hallways, cafeterias, sidewalks and parking lots. Injuries occurring in these places are generally considered work related.

   The employer's premises EXCLUDES employer controlled ball fields, tennis courts, golf courses, parks, swimming pools, gyms, and other similar recreational facilities, used by associates on a voluntary basis for their own benefit, primarily during off work hours.

   Ordinary and customary commute, is not generally considered work related.

   Employees injured or taken ill while engaged in consuming food, as part of a normal break or activity is not considered work related. Employees injured or taken ill as the result of smoking, consuming illegal drugs, alcohol or applying make-up are generally not considered work related. Employee injured by unauthorized horseplay is generally not considered work related, however, an employee injured as a result of a fight or other

workplace violence act, may be considered work related. Associates who travel on company business are considered to be engaged in work related activities all the time they spend in the interest of the company. This includes travel to and from customer contacts, and entertaining or being entertained for purpose of promoting or discussing business. Incidents occurring during normal living activities (eating, sleeping, recreation) or if the associate deviates from a reasonably direct route of travel are not considered OSHA recordable.

3. Distinction between Medical Treatment and First Aid.

First aid:

Any one-time treatment, and any follow up visit for the purpose of observation, of minor scratches, cuts, burns, splinters, etc., which do not ordinarily require medical care. Such one-time treatment, and follow up visit for the purpose of observation, is considered first aid even though provided by a physician or registered professional personnel.

Medical Treatment (recordable):

a) Must be treated only by a physician or licensed medical personnel.
b) Impairs bodily function (i.e. normal use of senses, limbs, etc.).
c) Results in damage to physical structure of a non-superficial nature (fractures).
d) Involves complications requiring follow up medical treatment.

Appendix H

Community Air Monitoring Plan

Community Air Monitoring Plan for 1153-69 West Fayette Street

1153-69 West Fayette Street
City of Syracuse, Onondaga County, New York

BCP Site No. C734164

Prepared by:

C&S Engineers, Inc.
499 Col Eileen Collins Blvd.
Syracuse, New York 13212

July 2024
Revised November 2024

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and / or particulate levels at the perimeter of the exclusion zone or work area will be necessary.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil / waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling / purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

Daily CAMP reports will be provided to New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) project managers. The reports will consist of figures showing work zones and monitoring stations and downloaded CAMP data. The daily reports will summarize any CAMP exceedances and the corrective actions taken. Any CAMP exceedances will be reported to NYSDEC and NYSDOH project managers within one business day.

<u>VOC Monitoring, Response Levels, and Actions</u>

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically

thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate, such as isobutylene. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below:

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less – but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter ($\mu g/m^3$) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10

particulate levels do not exceed 150 µg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 µg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 µg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) personnel to review.

Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

    a. Objects to be measured: Dust, mists or aerosols;
    b. Measurement Ranges: 0.001 to 400 mg/m^3 (1 to 400,000 µg/m^3);
    c. Precision (2-sigma) at constant temperature: +/- 10 g/m^3 for one second averaging; and +/- 1.5 g/m^3 for sixty second averaging;
    d. Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 m, g= 2.5, as aerosolized);
    e. Resolution: 0.1% of reading or 1 g/m^3, whichever is larger;
    f. Particle Size Range of Maximum Response: 0.1-10;
    g. Total Number of Data Points in Memory: 10,000;

h. Logged Data: Each data point with average concentration, time / date and data point number;
i. Run Summary: overall average, maximum concentrations, time / date of maximum, total number of logged points, start time / date, total elapsed time (run duration), STEL concentration and time / date occurrence, averaging (logging) period, calibration factor, and tag number;
j. Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
k. Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
l. Operating Temperature: -10 to 50°C (14 to 122°F); and
m. Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance / Quality Control (QA / QC). It is the responsibility of the remedial party to adequately supplement QA / QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record-keeping plan.

5. The action level will be established at 150 µg/m^3 (15 minutes average). While conservative, this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 µg/m^3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 µg/m^3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 µg/m^3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM-10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

a. Applying water on haul roads;
b. Wetting equipment and excavation faces;
c. Spraying water on buckets during excavation and dumping;
d. Hauling materials in properly tarped or watertight containers;
e. Restricting vehicle speeds to 10 miles per hour (mph);
f. Covering excavated areas and material after excavation activity ceases; and
g. Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150 µg/m^3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and / or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

9. CAMP action level exceedances and corrective actions will be reported to the Department within one business day.

Special Requirements:

In addition, or in combination with the above, the following special requirements apply for work within 20 feet of potentially exposed individuals or structures:

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates will reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor / dust barriers, temporary negative-pressure enclosures, or special ventilation devices will be considered to prevent exposures related to the work activities and to control dust and odors. Consideration will be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring will occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient

sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 µg/m^3, work activities will be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 µg/m^3 or less at the monitoring point.

- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements are as stated above under "Special Requirements for Work within 20 Feet of Potentially Exposed Individuals or Structures" except that in this instance "nearby / occupied structures" would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, shall be understood and the monitoring locations established accordingly. In these situations, exhaust fans or other engineering controls will be used to create negative air pressure within the work area during remedial activities. Additionally, the planned work will be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

Appendix I

SSD System As-Built Drawing Set

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

C&S COMPANIES®

CONTRACT DRAWINGS FOR THE CONSTRUCTION OF

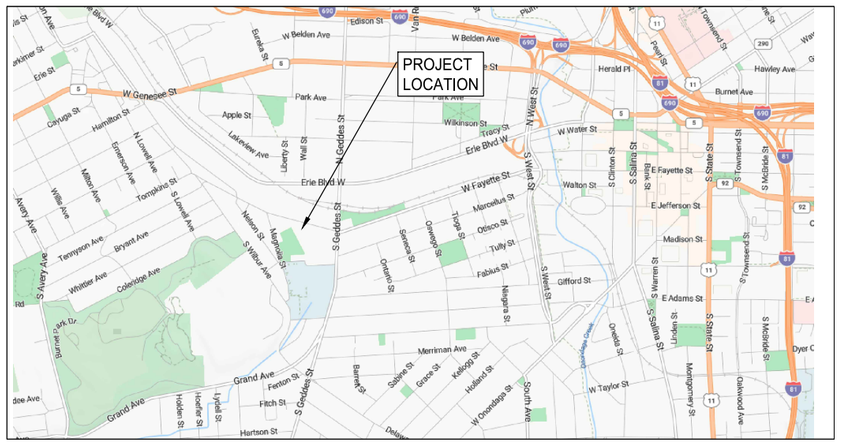
SUB-SLAB DEPRESSURIZATION SYSTEM

1153 OWNER LLC

1153-69 WEST FAYETTE STREET BCP SITE (NO. C734164)

1153-69 WEST FAYETTE STREET, SYRACUSE, NEW YORK 13204

NORTH



LOCATION MAP

DRAWING LIST	
SHEET NO.	**SHEET NAME**
G-100	TITLE SHEET
G-101	NOTE SHEET
SV-100	PRE-DESIGN INVESTIGATION - ANNEX FIRST FLOOR PLAN
SV-101	SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX FIRST FLOOR PLAN
SV-102	SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX ROOF PLAN
SV-103	POST-INSTALLATION PFE TESTING - ANNEX FIRST FLOOR PLAN
SV-104	DETAIL SHEET

C&S PROJECT: AB2.002.005

JUNE 2026

AS-BUILT DRAWING SET

C. DelFatti

NRPP ID 114118-RMS
CLAIRE DEL FATTI

STATE OF NEW YORK — NEVIN BRADFORD — 086008 — PROFESSIONAL ENGINEER

Registration Expires: 04.30.2029

NEVIN BRADFORD P.E.

TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN COMPLIANCE WITH THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE AND THE BUILDING CODE OF NEW YORK STATE

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

G-100

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Jun 10, 2026 - 4:15pm
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GENERAL NOTES:

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR, EQUIPMENT AND MATERIALS TO COMPLETE THE SUB-SLAB TRENCHES, PIPING, MANIFOLDS, EQUIPMENT STAGING, REMEDIAL EQUIPMENT CONNECTIONS, AND CONCRETE SLAB REPAIR AND RESTORATION ACCORDING TO THE PLANS AND SPECIFICATIONS HEREIN.
2. ALL WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL STANDARDS AND REGULATIONS. IF THERE SHOULD ARISE ANY CONFLICT BETWEEN ANY NOTES AND / OR DETAILS ON THE APPROVED DRAWINGS OR SPECIFICATIONS FOR THE PROJECT, THIS NOTE WILL SUPERSEDE AND GOVERN UNLESS THERE IS A WRITTEN SIGNED DOCUMENT FROM THE ENGINEER STATING OTHERWISE.
3. EACH CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. EACH CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF EACH CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.
4. THESE DRAWINGS WERE PRODUCED FROM MAPS, DRAWINGS AND RECORDS COLLECTED FROM THE OWNER.
5. EACH CONTRACTOR WILL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, PROCEDURES OR TECHNIQUES.
6. EACH CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND GOVERNMENT FEES, LICENSES AND INSPECTIONS ASSOCIATED WITH THE IMPROVEMENTS UNDER THEIR RESPONSIBILITY.
7. ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE OWNER AND ENGINEER.
8. SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO DEWATER ACCUMULATED WATER WITHIN EXCAVATION AREAS. AREAS SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BACKFILL IS MADE IN AN AREA FREE OF STANDING WATER. THE CONTRACTOR SHALL PROPERLY CONTAINERIZE, CHARACTERIZE AND DISPOSE OF WATER IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL RULES AND REGULATIONS. THE CONTRACTOR SHALL CONSULT THE OWNER AND ENGINEER TO DETERMINE SUITABLE WATER AND SOIL CHARACTERIZATION AND DISPOSAL METHODS.
9. THESE PLANS HAVE BEEN PREPARED USING THE MOST ACCURATE INFORMATION AND DATA AVAILABLE AT THE TIME OF PREPARATION. FIELD CONDITIONS MAY BE ENCOUNTERED WHICH VARY FROM THOSE DEPICTED HEREIN. AS SUCH, THESE PLANS SHOULD BE USED AS A CONSTRUCTION CONTROL REFERENCE, NOT A PRECISE CONSTRUCTION DOCUMENT. MODIFICATIONS TO THE DESIGN AS SHOWN MAY BE REQUIRED BASED ON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. IN ANY EVENT, THE ENGINEERING OBJECTIVES OF THE DESIGN SHALL BE MET.
10. EACH CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE AND SHALL NOT TRESPASS UPON OTHER PROPERTIES OR DISRUPT THE OPERATIONS OF ADJACENT PROPERTY OWNERS WITHOUT THE WRITTEN PERMISSION OF THOSE OWNERS.
11. HORIZONTAL AND VERTICAL CONTROL WILL BE ESTABLISHED BY EACH CONTRACTOR FOR THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SURVEYS TO COMPLETE THE PROJECT INCLUDING REESTABLISHMENT OF CONTROL POINTS AND PROJECT LAYOUT.
12. FLOW IN EXISTING STORM AND SANITARY SEWERS SHALL BE MAINTAINED AT ALL TIMES DURING EXECUTION OF THE WORK FOR THIS PROJECT. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SEWERS RESULTING FROM THEIR OPERATIONS OR NEGLIGENCE.
13. SUITABLE BACKFILL MATERIALS MAY BE STOCKPILED ON-SITE BUT MUST BE POSITIONED SO AS NOT TO COMINGLE WITH EXCAVATED SOILS.
14. THE TRACKING OR SPILLAGE OF MUD, DIRT, CONCRETE, OR DEBRIS UPON STATE, COUNTY, TOWNSHIP, PRIVATE, OR CITY STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.
15. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT THE ENTIRE SITE. SAW-CUTTING SHALL BE PERFORMED USING A WET SAW TO MINIMIZE DUST.
16. EACH CONTRACTOR SHALL MAINTAIN WORK AREA FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION. CONTRACTOR IS RESPONSIBLE FOR COLLECTING AND REMOVING WASTE MATERIALS, DEBRIS AND RUBBISH FROM THE SITE AND DISPOSING OF OFF-SITE.
17. FACILITY INTERIOR WORK AREAS MUST BE LEFT FREE OF DEBRIS AND MATERIALS AT THE COMPLETION OF EACH WORK PERIOD. ANY FLOOR SPACE AND / OR EQUIPMENT WITHIN THE WORK AREA AND IMMEDIATE VICINITY MUST BE MOPPED AND WIPED CLEAN OF DIRT, MUD, DEBRIS AND DUST PRIOR TO COMPLETION OF WORK.
18. MAINTAIN DRIVEWAYS AND PEDESTRIAN ACCESS IN A SAFE AND CLEAN CONDITION. COOPERATE WITH THE OWNER IN EVERY WAY PRACTICAL IN ORDER TO MINIMIZE DISRUPTION TO THEIR OPERATIONS.
19. EACH CONTRACTOR SHALL REPAIR AND REPLACE ANY AND ALL EXISTING EQUIPMENT, SITE FEATURES OR WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS PROJECT AT HIS OWN EXPENSE. ALL SAID WORK SHALL BE TO THE SATISFACTION OF THE OWNER.
20. PRESSURE FIELD EXTENSION (PFE) TESTING WILL BE COMPLETED WITHIN ONE WEEK OF SYSTEM OPERATION AND RESULTS WILL BE SUBMITTED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AND THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) FOR APPROVAL. PLEASE REFER TO SV-103 FOR ADDITIONAL DETAILS.

HEALTH AND SAFETY:

1. EACH CONTRACTOR SHALL COMPLY WITH 40 CFR 1910.120 (OSHA HAZWOPER).
2. EACH CONTRACTOR SHALL COMPLY WITH BASIC PROVISIONS OF OSHA HEALTH AND SAFETY STANDARDS 29 CFR 1910 AND GENERAL CONSTRUCTION STANDARDS 29 CFR 1926, AS APPROPRIATE TO THIS CONSTRUCTION AND SITE ACTIVITY.
3. EACH CONTRACTOR SHALL ADHERE TO OSHA EXCAVATION REGULATIONS 29 CFR SECTIONS 1926.650, 1926.651, AND 1926.652.
4. EACH CONTRACTOR SHALL ENSURE THAT ALL PERSONNEL ON SITE AND ALL ACTIVITIES CONTAINED THEREIN COMPLY WITH APPLICABLE LAWS AND REGULATIONS OF THE PUBLIC BODY HAVING JURISDICTION FOR SAFETY OF PERSONS OR PROPERTY.
5. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION AND ENFORCEMENT OF THEIR HEALTH AND SAFETY PLAN, AND TAKE THE NECESSARY PRECAUTIONS AND PROVIDE PROTECTION FOR:
   a. PERSONNEL WORKING ON OR VISITING THE PROJECT SITE (IRRESPECTIVE OF EMPLOYED BY THE CONTRACTOR);
   b. WORK MATERIAL(S) TO BE INCORPORATED INTO THE WORK AREA ON OR OFF SITE;
   c. OTHER PROPERTY AT OR ADJACENT TO THE PROJECT SITE; AND
   d. MEMBERS OF THE PUBLIC POTENTIALLY EXPOSED TO JOB RELATED ACTIVITY.

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

UTILITIES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECTS ON THE PROPOSED CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY THE U DIG NY AT LEAST 7 DAYS PRIOR TO THE START OF CONSTRUCTION.
3. WHERE POTENTIAL CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONSULT THE ENGINEER TO DETERMINE THE EXACT UTILITY LOCATION AND MAKE ANY NECESSARY ADJUSTMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXERCISING REASONABLE CARE IN OPERATING EQUIPMENT IN THE VICINITY OF UTILITIES, WHETHER OVERHEAD, AT GROUND LEVEL, OR BURIED, AND SHALL SAVE AND HOLD HARMLESS C&S ENGINEERS, INC., THE OWNER AND ANY OF THEIR DESIGNATED AGENTS FROM AND AGAINST ANY AND ALL CLAIMS AND DAMAGES OF ANY KIND OF INJURY TO, OR DEATH TO, ANY PERSON OR PERSONS AND FROM DAMAGE TO OR LOSS OF PROPERTY, ARISING OUT OF, OR ATTRIBUTED TO THE NEGLIGENCE OF CONTRACTOR'S OPERATIONS.

TRENCHING:

1. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE TRENCHES AND SHOULD SHORE, SLOPE OR BENCH THE SIDES OF TRENCHES AS REQUIRED TO MAINTAIN STABILITY OF BOTH EXCAVATION SIDES AND BOTTOM. ALL EXCAVATIONS SHOULD COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS INCLUDING THE CURRENT OSHA EXCAVATION AND TRENCH SAFETY STANDARDS (29 CFR PART 1926).
2. EXACT LOCATIONS OF TRENCHES SHALL BE COORDINATED IN THE FIELD. INTENDED LOCATIONS ARE SHOWN ON THE MITIGATION SYSTEM FLOOR PLANS.
3. TRENCHES SHALL BE EXCAVATED TO A DEPTH AND WIDTH THAT ALLOWS FOR A MINIMUM 2-INCHES OF BACKFILL AROUND ALL SIDES OF THE PERFORATED PIPE.
4. ALL TRENCHES SHALL BE SECURELY PLATED DURING NON-WORKING HOURS.

PIPING:

1. SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM PIPING AND FITTINGS SHALL CONFORM TO THE FOLLOWING, EXCEPT WHERE OTHERWISE NOTED:
   a. PIPING SHALL BE THE SIZE INDICATED ON THE PLANS AND BE SCHEDULE 40 POLYVINYL CHLORIDE (PVC) PRESSURE PIPE MADE FROM CLASS 12454 MATERIALS IN ACCORDANCE WITH ASTM D1784, UNLESS NOTED OTHERWISE. PIPE DIMENSIONS SHALL CONFORM TO ASTM D1785.
   b. PERFORATED PIPE SHALL BE THE SIZE INDICATED ON THE PLANS AND SHALL PROVIDE NO LESS THAN 1.0 IN^2/FT OF UNOBSTRUCTED INLET OPENINGS TO AGGREGATE IN A CONTINOUS MANNER ACROSS THE LENGTH OF THE PERFORATED PIPE.
   c. PVC FITTINGS SHALL BE SCHEDULE 40 PVC SOCKET STYLE IN ACCORDANCE WITH ASTM D1784.
   d. FANS SHALL BE INSTALLED WITH FLEXIBLE CONNECTORS. ALL OTHER PVC PIPE SHALL BE SOLVENT WELDED USING LOW VOC PRIMER AND LOW VOC PVC CEMENT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
2. THE CONTRACTOR SHALL COORDINATE ALL SSD SYSTEM PIPING ROUTES WITH ALL GENERAL, MECHANICAL, ELECTRICAL & PLUMBING WORK. NO ELBOWS SHALL BE ADDED WITHOUT THE APPROVAL OF THE OWNER AND ENGINEER.
3. VERTICAL PIPES SHALL BE SUPPORTED AND SECURED AT LEAST EVERY 10 FEET AND 1 FOOT ABOVE AND BELOW THE MITIGATION FANS. HORIZONTAL PIPES SHALL BE SUPPORTED AND SECURED AT LEAST EVERY 4 FEET.
4. HORIZONTAL PIPES SHALL BE SLOPED TO PROMOTE DRAINAGE OF CONDENSATION / WATER DOWNWARD TO EXTRACTION POINT.
5. ALL FASTENERS USED IN OUTDOOR APPLICATIONS SHALL BE MADE OF HOT-DIPPED GALVANIZED STEEL OR AN EQUIVALENT WEATHER-RATED MATERIAL.
6. ALL ABOVE-GROUND DUCT PIPING SHALL HAVE A CONTINUOUS DOWNWARD SLOPE TOWARD THE SUCTION POINT OF NOT LESS THAN 1/8 INCH PER FOOT TO ALLOW CONDENSATION OR RAINWATER WITHIN THE PIPES TO DRAIN DOWNWARD INTO THE GROUND BELOW THE SLAB.
7. EXHAUST PIPES SHALL EXTEND VERTICALLY A MINIMUM OF 18 INCHES ABOVE THE ROOF EDGE. EXHAUST POINTS SHALL BE AT LEAST 4 FEET ABOVE OR 20 FEET HORIZONTALLY AWAY FROM ANY OPERABLE WINDOW, DOOR, AIR INTAKES, OR OTHER OPENING INTO CONDITIONED / OCCUPIED BUILDING SPACE AND 20 FEET OR MORE AWAY FROM SIMILAR OPENINGS OF ADJACENT BUILDINGS.
8. THE EXHAUST POINT SHALL BE DIRECTED VERTICALLY UPWARD ABOVE THE ROOF AND FITTED WITH A 1/4-INCH MESH BIRD SCREEN THAT DOES NOT IMPEDE THE VERTICAL EXHAUST TRAJECTORY. THE BIRD SCREEN SHALL BE RADON AWAY PIPE GUARD FOR 4" SCHEDULE 40 OR AN ENGINEER APPROVED EQUIVALENT.

BACKFILL:

1. A MINIMUM OF 2-INCHES OF BACKFILL SHALL BE PLACED AROUND ALL SIDES OF THE PERFORATED PIPE WITHIN THE TRENCH.
2. ALL BACKFILL MATERIAL WILL BE APPROVED BY NYSDEC PRIOR TO IMPORT. A "REQUEST TO IMPORT/REUSE FILL MATERIAL" FORM WILL BE FILED WITH THE NYSDEC PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO IMPORT TO THE SITE."
3. BEDDING MATERIAL AND TRENCH BACKFILL MATERIAL SHALL BE WASHED CLEAN COARSE STONE OF ONE OF THE FOLLOWING SIZES.

BACKFILL MATERIAL FOR THIS PROJECT CONSISTED OF NO. 57 STONE APPROVED FOR IMPORT BY NYSDEC ON OCTOBER 20, 2025.

ASTM Aggregate Size	Sieve Size	Percent Passing
5	1 ½" (37.5 mm)	100
	1" (25 mm)	90-100
	¾" (19 mm)	20-55
	½" (12.5 mm)	1-10
	3/8" (9.5 mm)	0-5
56	1 ½" (37.5 mm)	100
	1" (25 mm)	90-100
	¾" (19 mm)	40-85
	½" (12.5 mm)	10-40
	3/8" (9.5 mm)	0-15
	#4 (4.75 mm)	0-5
57	1 ½" (37.5 mm)	100
	1" (25 mm)	95-100
	½" (12.5 mm)	25-60
	#4 (4.75 mm)	0-10
	#8 (2.36 mm)	0-5
6	1" (25 mm)	100
	¾" (19 mm)	90-100
	½" (12.5 mm)	20-55
	3/8" (9.5 mm)	0-15
	#4 (4.75 mm)	0-5

FANS:

1. MITIGATION FANS SHALL BE RADON AWAY GX5A (OR AN ENGINEER APPROVED EQUIVALENT); 115 VOLT, SINGLE-PHASE, 3000 RPM, 1.5 MAXIMUM AMP; 150 CFM AT 1.0 INCHES OF WATER COLUMN WITH A 4-INCH DUCT CONNECTION.
2. FANS SHALL BE INSTALLED WITH FLEXIBLE CONNECTORS. ALL PVC PIPE SHALL BE SOLVENT WELDED USING LOW VOC PRIMER AND LOW VOC PVC CEMENT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
3. FANS SUBJECTED TO EXTREME CLIMATE CONDITIONS SHALL BE PROTECTED WITH THERMAL INSULATION, AS NEEDED.
4. FANS SHALL BE PROTECTED WITH A RADONAWAY FAN COVER OR ENGINEER APPROVED EQUIVALENT.

CONCRETE & SEALING:

1. CONCRETE SHALL BE 4,000 PSI (28-DAY) MINIMUM COMPRESSIVE STRENGTH.
2. ALL INTERIOR CONCRETE WORK SHALL BE COMPLETED IN ACCORDANCE WITH ACI 301, ACI 315, AND ACI 318.
3. ALL CRACKS, PERFORATIONS, HOLES, AND PIPE PENETRATIONS THROUGH THE CONCRETE FOUNDATION SHALL BE THOROUGHLY SEALED WITH A COMPATIBLE SEALANT OR CAULK COMPLYING WITH ASTM C920 CLASS 25 OR GREATER. THIS INCLUDES FLOORS AND OUTER WALLS.

SITE RESTORATION:

1. REPAIR AND / OR REPLACE ANY FLOORING, STAIRWAYS, DRIVEWAYS, CONCRETE SIDEWALKS, CONCRETE APRONS, LANDSCAPING, ETC. DAMAGED OR REMOVED DURING CONSTRUCTION ACTIVITIES.

SYSTEM MONITORS:

1. EACH VERTICAL RISER SHALL BE EQUIPPED WITH A MANOMETER IN A CONSPICUOUS LOCATION TO ALLOW VISUAL CONFIRMATION OF SYSTEM OPERATION AND ADEQUATE NEGATIVE PRESSURE. THE CONNECTION INTO THE RISER SHALL BE AIR-TIGHT.
   a. MANOMETERS SHALL BE RADON AWAY EASY READ MANOMETER 6.5" OR AN ENGINEER APPROVED EQUIVALENT.
   b. EACH MANOMETER SHALL BE CLEARLY MARKED OR LABELED TO INDICATE THE MEASURED PRESSURE, AIRFLOW VOLUME, OR AMPERAGE READINGS THAT EXISTED AT THE TIME MITIGATION GOALS WERE ACHIEVED.
2. EACH VERTICAL RISER SHALL BE EQUIPPED WITH A MONITORING MECHANISM THAT ACTIVELY ALERTS DESIGNATED SITE REPRESENTATIVES IN THE EVENT OF FAN OR MECHANICAL FAILURE.
   a. MONITORING MECHANISMS SHALL BE RADON AWAY CHECKPOINT IIA MITIGATION SYSTEM ALARM OR AN ENGINEER APPROVED EQUIVALENT, CAPABLE OF VISUALLY AND AUDIBLY ALERTING SITE TENANTS IN THE EVENT OF FAN OR MECHANICAL FAILURE.
   b. MONITORING MECHANISMS SHALL BE ON NON-SWITCHED CIRCUITS AND DESIGNED TO RESET AUTOMATICALLY WHEN POWER IS RESTORED AFTER POWER SUPPLY INTERRUPTIONS.
   c. MONITORING MECHANISMS SHALL NOT BE POWERED BY THE SAME BRANCH CIRCUIT AS THE MITIGATION SYSTEM FANS.
3. ALL SYSTEM MONITORS SHALL BE READILY ACCESSIBLE TO INDIVIDUALS RESPONSIBLE FOR SYSTEM MAINTENANCE WITHOUT DISSASSEMBLY OF BUILDING COMPONENTS.
4. ALL SYSTEM MONITORS SHALL BE PROTECTED FROM THE ELEMENTS AND DURABLE FOR THE AMBIENT ENVIRONMENTAL CONDITIONS.

ELECTRICAL:

1. ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL ELECTRICAL CODES, REGULATIONS AND REQUIREMENTS.
2. FOR EACH MITIGATION FAN, A MEANS OF ELECTRICAL DISCONNECT SHALL BE PROVIDED IN THE LINE OF SIGHT AND WITHIN 6 FEET OF THE MITIGATION SYSTEM FAN.
3. ALL OUTDOOR WIRING FOR FANS SHALL BE PROTECTED IN CONDUIT.

LABELING:

1. ALL LABELS SHALL BE MADE OF DURABLE MATERIALS AND LABEL LETTERING SHALL BE OF A COLOR IN CONTRAST TO THE COLOR OF THE BACKGROUND ON WHICH THE LETTERING IS APPLIED. LABEL TITLES SHALL BE WITH LETTERING NOT LESS THAN 1/4-INCH IN HEIGHT AND ADDITIONAL INFORMATION TEST SHALL BE WITH LETTERING NOT LESS THAN 1/8 INCH IN HEIGHT.
2. A SYSTEM DESCRIPTION LABEL SHALL BE PLACED ON A PRIMARY COMPONENT OF EACH SYSTEM SUCH AS DUCT PIPING NEAR THE FAN MONITOR, WITHIN 12 INCHES OF THE ELECTRICAL SERVICE PANEL, OR OTHER PROMINENT LOCATION. THE PRIMARY LABEL SHALL INCLUDE:
   a. A TITLE THAT READS: SOIL VAPOR MITIGATION SYSTEM.
   b. A DESCRIPTION OF THE SYSTEM MONITORS AND ACTIONS TO TAKE IF THE SYSTEM MONITORS INDICATE DEGRADATION OR FAILURE.
   c. THE NAME AND CONTACT INFORMATION OF THE PARTY RESPONSIBLE FOR MAINTENANCE AND REPAIRS.
3. ALL SYSTEM MONITORS SHALL BE LABELED WITH INFORMATION ON HOW TO INTERPRET THE MONITOR AND WHAT TO DO IF A MONITOR INDICATES DEGRADATION OR FAILURE.
4. ALL FANS SHALL BE LABELED WITH A TITLE THAT PORTRAYS THE SYSTEM PURPOSE.
5. ALL EXPOSED / VISIBLE / ACCESSIBLE INTERIOR PIPING HAVING TO DO WITH THE MITIGATION SYSTEM SHALL BE LABELED WITH A LABEL THAT READS: SOIL VAPOR MITIGATION SYSTEM.
6. DISCONNECTS FOR TURNING OFF MITIGATION SYSTEM FANS SHALL BE LABELED WITH A LABEL THAT READS:" THIS IS A COMPONENT OF AN ASD ACTIVE SUBSLAB DEPRESSURIZATION SYSTEM. DO NOT TAMPER WITH, ALTER, OR DISCONNECT". THIS LABEL SHALL BE PLACED AT THE DISCONNECT SWITCH, THE CIRCUIT BREAKER IN THE ELECTRICAL PANEL, AND THE OUTLET WHERE THE FAN IS ENERGIZED.

CONTAMINATED SOIL AND GROUNDWATER ENCOUNTERED DURING CONSTRUCTION:

1. THE SITE CONTAINS IMPACTED SOIL AND GROUNDWATER. IF ENCOUNTERED, CONTAMINATED SOILS AND GROUNDWATER MUST BE MANAGED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.
2. ALL ACTIVITIES RELATED TO THE DISTURBANCE OF SOILS AND / OR GROUNDWATER AT THE SITE SHALL BE CONDUCTED IN ACCORDANCE WITH AN ADEQUATE HEALTH AND SAFETY PLAN IN ACCORDANCE WITH OSHA REQUIREMENTS. EACH CONTRACTOR MUST HAVE ITS OWN HEALTH AND SAFETY PLAN.
3. SOILS SHALL NOT BE TRANSPORTED OFF SITE UNTIL THEY ARE CHARACTERIZED TO DETERMINE PROPER DISPOSAL REQUIREMENTS AND APPLICABLE PERMITS OR REGULATORY APPROVAL IS OBTAINED.
4. SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO DEWATER ACCUMULATED WATER WITHIN EXCAVATION AREAS. AREAS SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BACKFILL IS MADE IN AN AREA FREE OF STANDING WATER. THE CONTRACTOR SHALL PROPERLY CONTAINERIZE, CHARACTERIZE AND DISPOSE OF WATER IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL RULES AND REGULATIONS. THE CONTRACTOR SHALL CONSULT THE OWNER AND ENGINEER TO DETERMINE SUITABLE WATER AND SOIL CHARACTERIZATION AND DISPOSAL METHODS.
5. SURFACE WATER OR GROUNDWATER SHALL NOT BE DISCHARGED TO A STORM OR SANITARY SEWER.
6. INFORMATION REGARDING THE CONTAMINANTS IDENTIFIED AT THIS SITE CAN BE OBTAINED FROM THE ENGINEER, IF NECESSARY.

EQUIPMENT LIST:

Part	Quantity	Manufacturer	Model	SKU	Link
Fan	2	Radon Away	GX5A	28536	https://www.radonaway.com/products/radon-fans/pro-series/gx-series/fan-gx5a-pro-series
Fan Cover	2	Radon Away	Complete Fan Cover Kit	28043	https://www.radonaway.com/products/radon-system-accessories/outdoor-fan-covers-accessories/radonaway-complete-fan-cover-kit-white
Manometer	2	Radon Away	Easy Read Manometer 6.5"	50036	https://www.radonaway.com/products/radon-system-accessories/dynameter-manometer/u-tube-manometer-0-6-5-radonaway
Alarm	2	Radon Away	Checkpoint IIA Mitigation System Alarm	28001-2	https://www.radonaway.com/products/radon-system-accessories/system-alarms/checkpoint-alarm-iia
Critter Guard	2	Radon Away	Pipe Guard for 4" Schedule 40	76041-2	https://www.radonaway.com/products/radon-system-accessories/pipe-accessories/vent-caps-pipe-guards-mufflers/guard-pipe-4-sched-40

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BCP SITE C734164
1153-69 WEST FAYETTE STREET
SYRACUSE, NEW YORK 13204
SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
DRAWN BY:	N. COULOMBE
DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

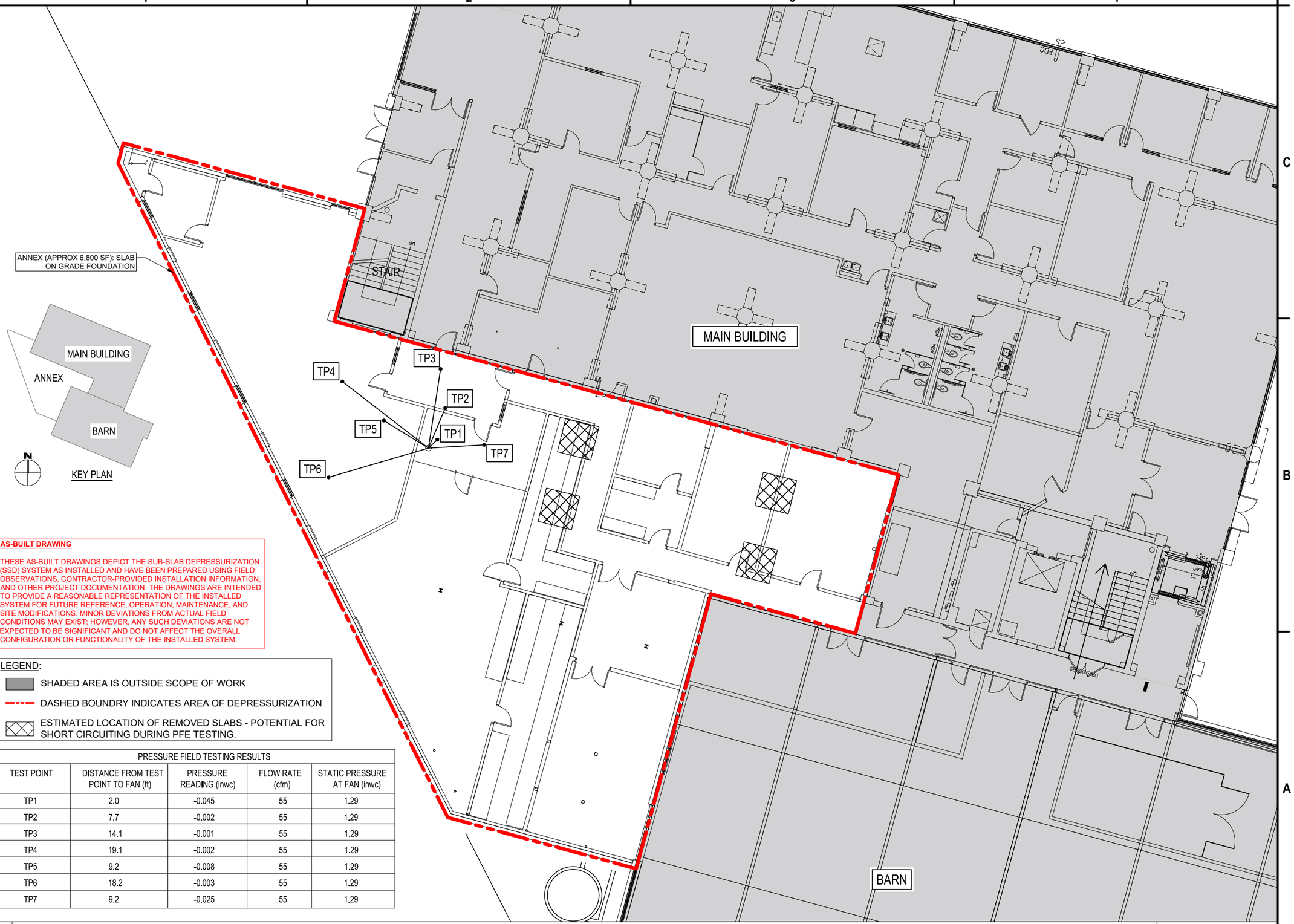
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NOTE SHEET

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A1 NOTES
NOT TO SCALE

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AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- ESTIMATED LOCATION OF REMOVED SLABS - POTENTIAL FOR SHORT CIRCUITING DURING PFE TESTING.

PRESSURE FIELD TESTING RESULTS

TEST POINT	DISTANCE FROM TEST POINT TO FAN (ft)	PRESSURE READING (inwc)	FLOW RATE (cfm)	STATIC PRESSURE AT FAN (inwc)
TP1	2.0	-0.045	55	1.29
TP2	7.7	-0.002	55	1.29
TP3	14.1	-0.001	55	1.29
TP4	19.1	-0.002	55	1.29
TP5	9.2	-0.008	55	1.29
TP6	18.2	-0.003	55	1.29
TP7	9.2	-0.025	55	1.29

A1 PRE-DESIGN INVESTIGATION - ANNEX FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
DRAWN BY:	N. COULOMBE
DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

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PRE-DESIGN INVESTIGATION

ANNEX FIRST FLOOR PLAN

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4" PERFORATED PIPE TERMINATES 10' FROM EAST WALL, CENTERED EQUALLY BETWEEN THE EXTERIOR WEST WALL AND THE CORNER OF THE ANNEX AND MAIN BUILDING.

4" PERFORATED PIPE. TRENCH BACKFILLED WITH NUMBER 57 STONE. SEE DETAIL A3

5' OF SOLID 4" SCHEDULE 40 PVC PIPE BELOW SLAB; FROM RISER PENETRATION TO COMMENCEMENT OF PERFORATED PIPING SYSTEM. FIRST 2' OF TRENCH BACKFILLED WITH CONCRETE. SEE DETAIL C1

TRENCHES EXCAVATED TO A DEPTH AND WIDTH THAT WOULD ALLOW FOR A MINIMUM 2-INCHES OF BACKFILL AROUND ALL SIDES OF THE PERFORATED PIPE. SEE DETAIL A3

PIPING PENETRATES WALL APPROXIMATELY 4' ABOVE EXTERIOR GRADE AND TURN 90 DEGREES UPWARD TO CONNECT TO FAN. SEE DETAILS C1 AND A1

RISER AND FAN LOCATION ALTERED IN THE FIELD AS SHOWN TO AVOID PROPOSED OFFICE SPACE. RISER AND FAN LOCATION WAS ALTERED IN SUCH A WAY TO STILL BE ACCESSIBLE FROM THE EXTERIOR OF THE BUILDING AND TO MAINTAIN A 20 FOOT HORIZONTAL SEPARATION FROM OPERABLE WINDOWS, DOORS, AIR INTAKES, AND OTHER OPENINGS INTO CONDITIONED / OCCUPIED BUILDING SPACE.

PROPOSED RISER AND FAN LOCATION PER SSDS DESIGN PACKAGE.

MAIN BUILDING

4" PERFORATED PIPE. TRENCH BACKFILLED WITH NUMBER 57 STONE. SEE DETAIL A3

TRENCHES EXCAVATED TO A DEPTH AND WIDTH THAT WOULD ALLOW FOR A MINIMUM 2-INCHES OF BACKFILL AROUND ALL SIDES OF THE PERFORATED PIPE. SEE DETAIL A3

4" PERFORATED PIPE CENTERED EQUALLY BETWEEN NORTH AND SOUTH WALLS OF THE ANNEX.

TRENCH AND SUB-SLAB PIPING LAYOUT WAS ALTERED IN THE FIELD AS SHOWN TO AVOID NEWLY POURED FOUNDATIONS. LAYOUT WAS ALTERED IN SUCH A WAY TO MAINTAIN COVERAGE OF THE INTENDED AREA.

PROPOSED TRENCH AND SUB-SLAB PIPING LAYOUT PER SSDS DESIGN PACKAGE.

4" PERFORATED PIPE TERMINATES 10' FROM EAST WALL.

5' OF SOLID 4" SCHEDULE 40 PVC PIPE BELOW SLAB; FROM RISER PENETRATION TO COMMENCEMENT OF PERFORATED PIPING SYSTEM. FIRST 2' OF TRENCH BACKFILLED WITH CONCRETE. SEE DETAIL C1

ANNEX (APPROX 6,800SF): SLAB ON GRADE FOUNDATION

PIPING PENETRATES WALL APPROXIMATELY 4' ABOVE EXTERIOR GRADE AND TURN 90 DEGREES UPWARD TO CONNECT TO FAN. SEE DETAILS C1 AND A1

BARN

MAIN BUILDING

ANNEX

BARN

N

KEY PLAN

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- 4" PERFORATED SCHED. 40 PVC PIPING
- FLOOR TRENCH
- 4" SOLID WALL SCHED. 40 PVC PIPING
- (R) INTERIOR RISER LOCATION
- (F) MITIGATION FAN / EXTERIOR RISER LOCATION

A1 SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
DRAWN BY:	N. COULOMBE
DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

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SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN ANNEX FIRST FLOOR PLAN

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ANNEX ROOF AREA

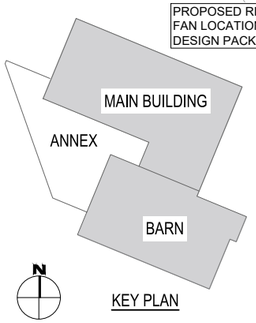
MAIN BUILDING

RISER AND FAN LOCATION ALTERED IN THE FIELD AS SHOWN TO AVOID PROPOSED OFFICE SPACE. RISER AND FAN LOCATION WAS ALTERED IN SUCH A WAY TO STILL BE ACCESSIBLE FROM THE EXTERIOR OF THE BUILDING AND TO MAINTAIN A 20 FOOT HORIZONTAL SEPARATION FROM OPERABLE WINDOWS, DOORS, AIR INTAKES, AND OTHER OPENINGS INTO CONDITIONED / OCCUPIED BUILDING SPACE.

PROPOSED RISER AND FAN LOCATION PER SSDS DESIGN PACKAGE.

PIPING ANCHORED TO THE EXTERIOR UTILIZING HANGERS, AT A MINIMUM OF EVERY 10'. ANCHORS ARE HOT DIPPED GALVANIZED. EXHAUST PIPES EXTEND VERTICALLY A MINIMUM OF 18 INCHES ABOVE THE ROOF EDGE. EXHAUST POINTS ARE AT LEAST 4 FEET ABOVE OR 20 FEET HORIZONTALLY AWAY FROM ANY OPERABLE WINDOW, DOOR, AIR INTAKES, OR OTHER OPENING INTO CONDITIONED / OCCUPIED BUILDING SPACE AND 20 FEET OR MORE AWAY FROM SIMILAR OPENINGS OF ADJACENT BUILDINGS.

BARN



KEY PLAN

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- (F) MITIGATION FAN / EXTERIOR RISER LOCATION
- 20' RADIUS AROUND EXHAUST STACK

A1 SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX ROOF PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN ANNEX ROOF PLAN

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AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

MAIN BUILDING

ANNEX

BARN

KEY PLAN

STAIR

-0.004
-0.010
-0.041
-0.008
-0.010
-0.256
-0.005
-0.006
-0.049
-0.233
-0.004
-0.093
-0.072

RISER AND FAN LOCATION ALTERED IN THE FIELD AS SHOWN TO AVOID PROPOSED OFFICE SPACE. RISER AND FAN LOCATION WAS ALTERED IN SUCH A WAY TO STILL BE ACCESSIBLE FROM THE EXTERIOR OF THE BUILDING AND TO MAINTAIN A 20 FOOT HORIZONTAL SEPARATION FROM OPERABLE WINDOWS, DOORS, AIR INTAKES, AND OTHER OPENINGS INTO CONDITIONED / OCCUPIED BUILDING SPACE.

PROPOSED RISER AND FAN LOCATION PER SSDS DESIGN PACKAGE.

TRENCH AND SUB-SLAB PIPING LAYOUT WAS ALTERED IN THE FIELD AS SHOWN TO AVOID NEWLY POURED FOUNDATIONS. LAYOUT WAS ALTERED IN SUCH A WAY TO MAINTAIN COVERAGE OF THE INTENDED AREA.

PROPOSED TRENCH AND SUB-SLAB PIPING LAYOUT PER SSDS DESIGN PACKAGE.

ANNEX (APPROX 6,800SF): SLAB ON GRADE FOUNDATION

NOTES:

1. SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM FANS WERE ACTIVATED ON DECEMBER 12, 2025.
2. PRESSURE FIELD EXTENSION (PFE) TESTING WAS CONDUCTED ON DECEMBER 15 AND 16, 2025.
3. PFE TESTING WAS CONDUCTED TO CONFIRM THERE WAS ADEQUATE VACUUM BENEATH THE SLAB. MEASUREMENTS WERE MADE TO QUANTIFY AIR PRESSURE DIFFERENCE UNDER THE SLAB AT THE INDICATED TEST LOCATIONS RELATIVE TO THE INDOOR AIR. MEASUREMENTS WERE MADE WITH A DIGITAL MICROMANOMETER CAPABLE OF READING TO 0.001-INCH WATER COLUMN (inWC). A NEGATIVE PRESSURE DIFFERENCE OF 0.001 inWC IS REQUIRED AND A DIFFERENCE OF AT LEAST 0.004 inWC IS DESIRED.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- 4" PERFORATED SCHED. 40 PVC PIPING
- FLOOR TRENCH
- 4" SOLID WALL SCHED. 40 PVC PIPING
- (R) INTERIOR RISER LOCATION
- (F) MITIGATION FAN / EXTERIOR RISER LOCATION
- (X) PFE TEST LOCATION - RESULTS DISPLAYED IN inWC
- REFUSAL UPON DRILLING
- APPROXIMATE HISTORIC TELEPHONE UTILITY
- AREA OF PRESUMED HISTORIC CONCRETE UTILITY CASING / CONCRETE FOOTER

A1 POST-INSTALLATION PFE TESTING - ANNEX FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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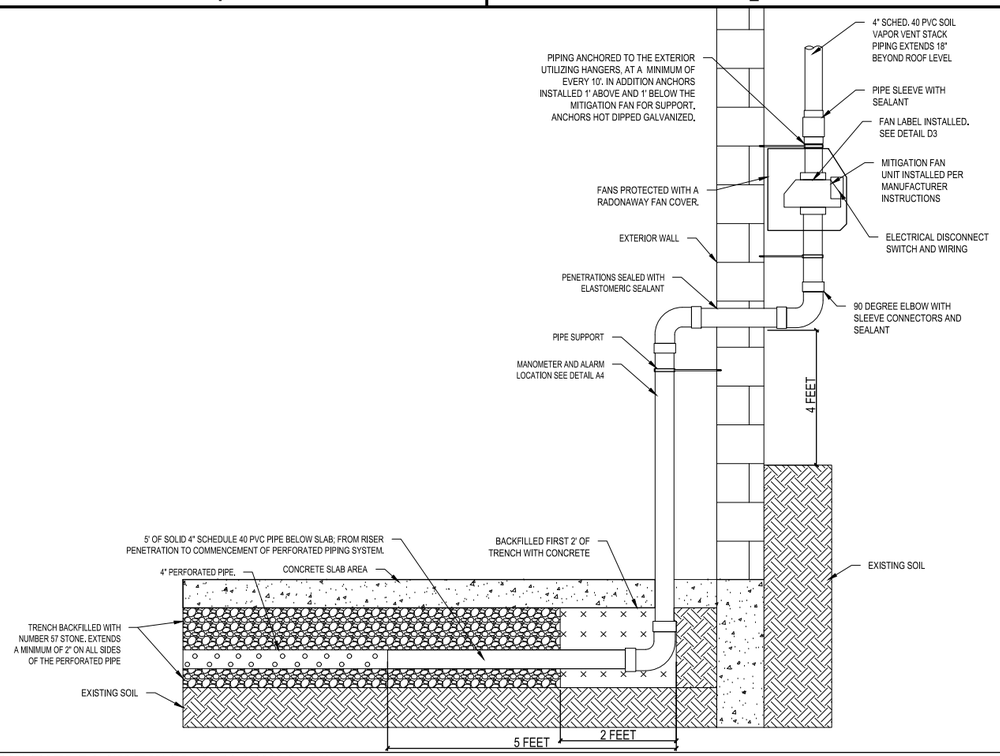
POST-INSTALLATION PFE TESTING

ANNEX FIRST FLOOR PLAN

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C1 SUB-SLAB PIPING AND VENT STACK DETAIL
NOT TO SCALE

CAUTION

THIS IS A COMPONENT OF AN ASD ACTIVE SUBSLAB DEPRESSURIZATION SYSTEM. DO NOT TAMPER WITH, ALTER, OR DISCONNECT.

D3 SOIL VAPOR COMPONENT LABEL DETAIL
NOT TO SCALE

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

D4 AS-BUILT DRAWING NOTE
NOT TO SCALE

SOIL VAPOR MITIGATION SYSTEM

System Fan Monitor

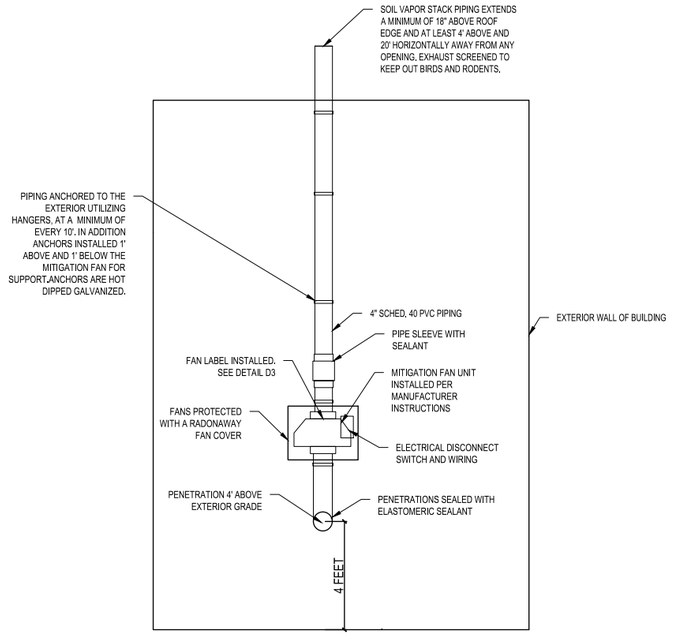
The system fan is active if oil level on the left is different from the right. Please call to report if the fan appears to be off.

This system is under the care of:
Name:_____
Number:_____

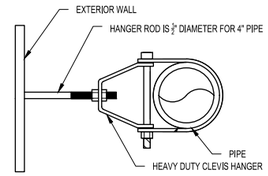
C3 SOIL VAPOR MITIGATION SYSTEM PRIMARY LABEL DETAIL
NOT TO SCALE

SOIL GAS VENT FLOW

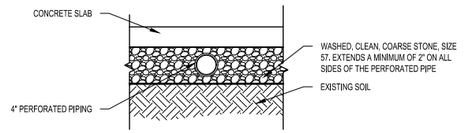
C4 SOIL VAPOR MITIGATION PIPING LABEL DETAIL
NOT TO SCALE



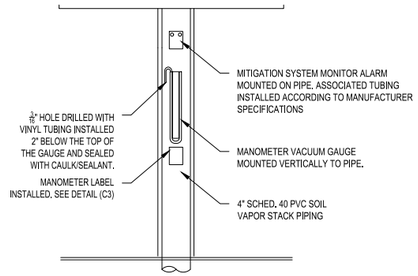
A1 FAN AND VENT STACK DETAIL (SIDE PROFILE)
NOT TO SCALE



B3 VERTICAL PIPE SUPPORT DETAIL
NOT TO SCALE



A3 SUB-SLAB PIPING DETAIL
NOT TO SCALE



A4 MANOMETER AND ALARM DETAIL
NOT TO SCALE

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SYRACUSE, NEW YORK 13204
SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
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DETAIL SHEET

SV-104

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C:\Users\ncoulombe\appdata\local\temp\AcPublish_38811\53 West Fayette Street SSDS PFE Testing Details.dwg

Appendix J

Quality Assurance Project Plan

Quality Assurance Project Plan for 1153-69 West Fayette Street

1153-69 West Fayette Street
City of Syracuse, Onondaga County, New York

BCP Site No. C734164

Prepared by:

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Syracuse, New York 13212

July 2024
Revised June 2025

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ATTACHMENTS

Attachment A – Supporting Documentation for PFAS Analysis

SECTION 1 – INTRODUCTION

C&S' Quality Control (QC) Program is a vital part of its approach to remedial investigations and remedial action. Through our thorough QC program, our firm is able to provide accurate and dependable data. QC also provides safe working conditions for field staff.

The QC program contains procedures, which provide for collected data to be properly evaluated, and which document that quality control procedures have been followed in the collection of samples. The QC program represents the methodology and measurement procedures used in collecting quality field data. This methodology includes the proper use of equipment, documentation of sample collection, and sample handling practices.

Procedures used in the firm's QC program are consistent with federal, state, and local regulations, as well as, appropriate professional and technical standards.

This QC program has been organized into the following areas:

- QC Objectives
- Field Sampling Techniques
    - Procedures
    - Preparation
    - Measurement
    - Decontamination
- Sample Management

SECTION 2 – QUALITY CONTROL OBJECTIVES

2.1 Data Quality Objectives

Data Quality Objectives (DQOs) are statements which describe the desired quality of data necessary to meet the objectives of the sampling program. The DQOs for the site sampling program were formulated during the scoping effort and developed as part of this Plan. The general steps followed in preparation of the DQOs were as follows:

- Identification of the media to be sampled – Identifies the media being investigated (e.g., ground water, surface soil).

- Identification of the data uses – Identifies the intended use of the data according to the following:
    - Site Characterization – Data are used to determine the composition, nature, and extent of contamination.
    - Risk Assessment – Data are used to evaluate the actual or potential risks posed by contaminants determined to be present on-site. Particular attention is given to sampling at locations where human exposure is possible.
    - Health and Safety Plan (HASP) – Data are used to establish the level of protection needed for on-site workers during site characterization activities.
    - Monitoring – Data are used during the monitoring of the remedial action to access the effectiveness of such action.
    - PRP Enforcement – Data are used to help establish potentially responsible parties (PRP's).
    - Evaluation of Alternatives – Data are used to evaluate various proposed remedial technologies and assist in proper design of alternatives.

- Identification of the data types – Identifies what types of analyses are to be performed.

- Sample Collected – Describes the sample types to be collected.
    - Environmental – Refers to a specific media sampled such as water, soil, air, or biological.
    - Source – Refers to sampling an actual contamination source.
    - Grab – A discrete sample representative of a specific location.
    - Composite – A sample that represents a mixture of a number of grab samples that represents the average properties over the extent of areas sampled.
    - Biased – Sampling that focuses on a specific area of expected contamination or uncontaminated area (background).

- Identification of the data quality needs – Identifies the analytical options available to support data collection activities and are identified as follows:
    - Level I: Field Screening – Portable type instruments which provide real-time data.

- Level II: Field Analysis – Portable analytical instruments in an on-site lab or transported to the site.
- Level III: Standard Analytical Protocols – Standard analytical protocols or without the NYSDEC Analytical Services Protocol (ASP) (2000) deliverables / reportables documentation.
- Level IV: NYSDEC ASP Reportables / Deliverables – Rigorous QA / QC protocols and reportables / deliverables documentation; NYSDEC ASP (2000) Category B deliverables.
- Level V: Non-Standard – Methods which have been modified to meet specific site study or remediation needs or by use of some other specialized analytical methods that cannot be obtained through standard or typical avenues of analytical support.

- Identification of Data Quality Factors – Describes factors which influence the quality or quantity of data to be collected. Primary contaminants and associated levels of concern are identified concerning ARARs or potential risks. The required detection limit are also given or referenced.

- Identification of QA / QC Samples – Specifies additional samples to be collected to support Quality Assurance / Quality Control (QA / QC) procedures. Additional samples to be collected could include:
  - Matrix Spike / Matrix Spike Duplicates – Matrix spike and matrix spike duplicate samples are collected as a duplicate sample to which the analytical laboratory will add known amounts of target analytes. These QA / QC samples are intended to assess the extraction procedure used by the laboratory.
  - Blind Duplicates – Blind duplicates are a duplicate of another sample submitted for analysis. The location of the sample is recorded in the field book and not disclosed on the chain of custody. These QA / QC samples are intended to assess the repeatability of analysis by the laboratory.
  - Equipment Blanks – Equipment blanks are samples which are obtained by running analyte-free water through the sample collection equipment in a way that is identical to the sample collection procedures. Equipment blanks may be used during QA / QC procedures to evaluate if sampling equipment has contributed contaminants to the samples.
  - Trip Blanks – Trip blanks are samples which are prepared prior to the sampling event in the same type of sample container and are kept with the collected samples throughout the sampling event unit analysis. Trip blank vials are not opened in the field and are analyzed for volatile organics only.

2.2 Sampling Procedures

All sampling objectives, locations, and procedures have been included in respective Work Plans and are further described in Section 3. Items including Field Measurement Techniques, General Field Decontamination, and Sample Management have also been included in Sections 3 and 4.

2.3 Laboratory Certification and Coordination

The Environmental Laboratory Approval Program (ELAP) certification is an accreditation issued by the New York State Department of Health (NYSDOH). Such laboratories have demonstrated that they consistently ensure the accuracy and reliability of samples analyzed. All chemical analyses for samples from the site will be completed by an ELAP laboratory capable of performing project specific analyses as indicated in this QA / QC plan. The project QA / QC Officer will also be responsible for all project related laboratory coordination.

Supporting documentation related to per- and polyfluoroalkyl substances (PFAS) analysis, such as standard operating procedures (SOPs), analyte lists, and method detection limits (MDLs) are provided in **Attachment A**.

2.4 Analytical Methodologies

Sampling and analysis will be performed for the Target Compound List (TCL) parameters including volatiles and total petroleum hydrocarbons (TPH). The specific analyses will be conducted according to the following NYSDEC ASP 2000 methodologies:

Parameter Group	USEPA Analysis Method
TPH	8015
Volatiles	8260 or TO-15 for air
Semivolatiles	8270 and 8270-SIM
PCBs	8082
Pesticides	8081
Herbicides	8151
Metals / Inorganics	6010, 6020, 7470, 7471, 9010 / 9012, 7196
1,4-Dioxane	8270-SIM
PFAS	1633

Samples will be analyzed by Alpha Analytical, Inc. (Alpha) or SGS North America, Inc. (SGS), and the data will be presented in Category B reportables / deliverables format.

2.5 Analytical Quality Control

Analytical quality control for this Project will be consistent with the methodology and QA / QC requirements in the NYSDEC ASP 2000.

The tables on the following page detail sample volumes, containers, preservation, and holding time for typical analytes.

2.6 Data Usability Summary Report

A Data Usability Summary Report (DUSR) will be prepared by Environmental Data Validation, Inc. (EDV) or Vali-Data of WNY, LLC (Vali-Data), consistent with NYSDECs Guidance for the Development of Quality Assurance Plans and Data Usability Summary Reports as given in DER-10. The main objective of the DUSR is to determine whether the data presented meets the project specific needs for data quality and data use.

Table 2-1
Soil Sample Collection Requirements

Matrix	Analytical Group	Sample Volume	Containers	Preservation Requirements	Maximum Holding Time
Soil	TPH	4 oz.	4-ounce amber glass, Teflon-lined	Cool to 4°C	14 Days (Extraction)
	VOCs	5-15 grams	40 mL VOA vial	MeOH Cool to 4°C	14 Days
		(2) 5 grams	40 mL VOA vial	Water Cool to 4°C	48 Hours (Freeze) 14 Days (Analysis)
	SVOCs	4 oz.	4-ounce amber glass, Teflon-lined	Cool to 4°C	14 Days (Extraction)
	PCBs	4 oz	4-ounce amber glass, Teflon-lined	Cool to 4°C	365 Days (Extraction)
	Pesticides	4 oz	4-ounce amber glass, Teflon-lined	Cool to 4°C	14 Days (Extraction)
	Herbicides	4 oz	4-ounce amber glass, Teflon-lined	Cool to 4°C	14 Days (Extraction)
	Metals, including Hg	4 oz.	4-ounce amber glass	Cool to 4°C	180 Days (28 Days for Hg)
	Hexavalent Chromium	4 oz.	4-ounce amber glass	Cool to 4°C	30 Days
	Cyanide	4 oz.	4-ounce amber glass	Cool to 4°C	14 Days
	1,4-Dioxane	4 oz.	4-ounce amber glass, Teflon-lined	Cool to 4°C	14 Days (Extraction)
	PFAS	8 oz.	8-ounce plastic	Cool to 4°C	90 Days (Extraction)

Table 2-2
Water Sample Collection Requirements

Matrix	Analytical Group	Sample Volume	Containers	Preservation Requirements	Maximum Holding Time
Groundwater	VOCs	(3) 40 mL	40 mL VOA vial	HCl, pH < 2 Cool to 4°C	14 Days
	SVOCs	(2) 250 mL	250 mL amber glass, Teflon-lined	Cool to 4°C	7 Days (Extraction)
	PCBs	(2) 125 mL	125 mL amber glass, Teflon-lined	Cool to 4°C	365 Days (Extraction)
	Pesticides	(2) 125 mL	125 mL amber glass, Teflon-lined	Cool to 4°C	7 Days (Extraction)
	Herbicides	(2) 1000 mL	1000 mL amber glass, Teflon-lined	Cool to 4°C	7 Days (Extraction)
	Total / Dissolved Metals, including Hg	(2) 250 mL	250 mL plastic	HNO3, pH<2 Cool to 4°C	180 Days (28 Days for Hg)
	Hexavalent Chromium	500 mL	500 mL plastic	Cool to 4°C	24 Hours
	Cyanide	250 mL	250 mL plastic	NaOH, pH>12 Cool to 4°C	14 Days
	1,4-Dioxane	(2) 250 mL	250 mL amber glass, Teflon-lined	Cool to 4°C	7 Days (Extraction)
	PFAS	(2) 250 mL	250 mL plastic	Cool to 4°C	28 Days (Extraction)

SECTION 3 – FIELD SAMPLING PLAN

3.1 Sampling Procedures

The following sections provide procedures for collecting a variety of samples, not all of which will be needed at this site.

3.1.1 Preparation for Sampling

The sample collection technique is of prime importance to assure the integrity of the collected sample. The following techniques include provisions so that:

- A representative sample is obtained;
- Contamination of the sample is minimized;
- The sample is properly preserved; and
- An acceptable Chain-of-Custody record is maintained.

The QA / QC Sampling Component of the Plan includes:

- Incorporation of accepted sampling techniques referenced in the sampling plan;
- Procedures for documenting any field actions contrary to the QA / QC Plan;
- Documentation of all preliminary activities such as equipment check-out, calibrations, and container storage and preparation;
- Documentation of field measurement quality control data (quality control procedures for such measurements shall be equivalent to corresponding QC procedures);
- Documentation of field activities;
- Documentation of post-field activities including sample shipment and receipt, field team debriefing, and equipment check-in;
- Generation of quality control samples including duplicate samples, equipment blanks, and trip blanks;
- The use of these samples in the context of data evaluation with details of the methods employed (including statistical methods) and of the criteria upon which the information generated will be judged; and
- The number of QA / QC samples generally required are shown in the following table. When there is a disagreement with QA / QC sample numbers and types, between this document and a Work Plan, the Work Plan shall prevail.

Table 3-1
QA / QC Samples

Sample Type	Analysis	Number	Note
MS / MSD	Full Suite	Every sample batch, or minimum of 5% (1 per 20)	Two additional samples at a given location
Blind Duplicate	Full Suite	Every sample batch, or minimum of 5% (1 per 20)	An additional sample at a given location
Trip Blank (Groundwater Only)	VOC	One per day or 5% (1 per 20), whichever is more frequent	Vials of clean water provided by laboratory. Packed with collected samples.
Equipment Blank (Groundwater Only)	PFAS	One per day or 5% (1 per 20), or whichever is more frequent	Clean water passed through / over decontaminated sample collection equipment / tubing.

The personnel responsible for collection of groundwater, soil, air, miscellaneous media, and petroleum spill remediation / verification samples will be familiar with standard sampling procedures and follow the appropriate protocol. Field records will be maintained in bound notebooks with numbered pages to document daily instrument calibration, locations sampled, field observations, and weather conditions. Each page will be dated and signed by the sampler. Each notebook will be numbered and a log of notebooks will be maintained by the project manager.

Prior to sampling, all equipment must be procured and accommodations for sample container delivery, and sample shipment must be made. The following is a list of general equipment that would be on hand for sampling events. Special equipment for each sampling event is presented in the section describing that specific sampling event.

3.1.2 General Field Sampling Equipment

- Field Data Sheets
- Chain-of-Custody forms
- Engineers tape and folding ruler with 0.01-foot intervals
- Field Record Sheets
- Latex gloves
- Face-safety shield
- Tyvek coveralls
- Respirators
- Photoionization detector
- Bio-degradable phosphate free detergent
- Coolers and ice (no blue ice)
- Drums
- Sample bottles
- Aluminum foil
- Duct and filament tape
- Tap water
- Distilled water
- Laboratory grade methanol and hexane
- Wash buckets
- Decontamination towels / cloths
- Large disposal containers
- Large plastic sheets

3.2 Sample Collection Techniques

3.2.1 Surface Soil Sampling

Surface soil samples will be collected at the locations and depths indicated in the Work Plan. When sampling is conducted in areas where a vegetative turf has been established, a pre-cleaned trowel or shovel will be used to remove the turf so that it may be replaced at the conclusion of sampling. Samples will then be collected using a pre-cleaned, stainless-steel spoon. When the sample is obtained, it will be deposited into a pre-cleaned stainless-steel bowl or plastic pail for mixing prior to filling the sample containers. The soil will be mixed thoroughly until the material is homogenized. At that point, the soil will be placed into the laboratory provided containers.

Once removed from the ground the soil will immediately be observed for soil characteristics, including general soil type (sand, silt, clay), moisture, and evidence of impairment (e.g. petroleum or chemical odors, staining, volatile organic vapors as measured by a photoionization detector (PID)). The PID will be calibrated daily (and more often as required by the manufacturer's data) prior to use in the field, using calibration test gases.

When PFAS sampling / testing is required, no sampling equipment components or sample containers should come into contact with aluminum foil, LDPE, glass, or Teflon tape. Acceptable equipment includes stainless steel spoons and bowl, HDPE containers, and steel shovels or augers that are not coated.

3.2.2 Subsurface Soil Sampling – Direct Push Drilling

Generally, soil borings will be advanced with a Geoprobe direct push sampling system. The use of direct push technology allows for rapid sampling, observation, and characterization of relatively shallow overburden soils. The Geoprobe utilizes a four to five-foot MacroCore® sampler, with disposable polyethylene sleeves. Soil cores will be retrieved in four or five-foot sections and can be easily cut from the polyethylene sleeves for observation and sampling. The MacroCore® sampler will be decontaminated between boring locations using an Alconox and water solution.

Prior to initiating drilling activities, the MacroCore®, drive rods, and pertinent equipment, will be steam cleaned or washed with an Alconox and water solution. This cleaning procedure will also be used between each boring. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used.

Test borings will be advanced with 2-inch (or larger) inside diameter (ID) direct push MacroCore® through overburden soils. Drilling fluids, other than potable water will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative.

3.2.3 Subsurface Soil Sampling – Hollow Stem Auger

The drilling and installation of monitoring wells will be performed using a rotary drill rig which will have sufficient capacity to perform 4 1/4-inch ID hollow-stem auger drilling in the overburden, retrieve MacroCore® or split-spoon samples. Equipment sizes and diameters may vary based on project-specific criteria. Any investigative derived waste generated during the advancement of soil borings and monitoring well installations will be containerized and characterized for proper disposal.

Prior to initiating drilling activities, the augers, rods, MacroCore®, split spoons, and other pertinent equipment will be steam cleaned or washed with an Alconox and water solution. This cleaning procedure will also be used between each boring. Steam cleaning activities will be performed in a designated on-site decontamination area. During and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used.

Test borings will be advanced with 4 1/4-inch ID hollow stem augers through overburden, driven by truck-, track-, or trailer-mounted drilling equipment. Alternative methods of drilling or equipment may be allowed or requested for project specific criteria but must be approved by the NYSDEC. Drilling fluids, other than water from a NYSDEC-approved source, will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative.

Hollow stem auger advanced groundwater-monitoring wells typically utilize minimum 2-inch threaded flush joint PVC pipe with 0.010-in. slotted screen or pre-packed well screens. PVC piping used for risers and screens will conform to the requirements of ASTM-D 1785 Schedule 40 pipe. All materials used to construct the wells will be NSF / ASTM approved. Solvent PVC glue shall not be used at any time in the construction of the wells. The bottom of the screen shall be sealed with a treated wood cap or plastic plug. No lead shot or lead wool is to be employed in sealing the bottom of the well or for sealant at any point in the well.

3.2.4 Subsurface Soil Sample Screening and Collection

When polyethylene sleeves or split spoons are removed from borings, the soil will immediately be observed for soil characteristics, including general soil type (sand, silt, clay), moisture, confining layers, and evidence of impairment (e.g. petroleum or chemical odors, staining, volatile organic vapors as measured by a PID – ex-situ and headspace). Generally, sample selection is based on evidence of impairment, depth, spatial distribution, or for delineation purposes. Normally, sample locations will not be known until the end of each day in the field. Therefore, samples for potential analysis will be placed in new Ziploc bags and placed on ice until they are placed into laboratory provided glassware.

When PFAS sampling / testing is required, no sampling equipment components or sample containers should come into contact with aluminum foil, LDPE, glass, or Teflon tape. Acceptable

equipment includes stainless steel spoons and bowl, HDPE containers, and steel tools that are not coated.

3.2.5 Groundwater Monitoring Well Construction / Completion

Artificial Sand Pack
When utilized, granular backfill will be chemically and texturally clean, inert, siliceous, and of appropriate grain size for the screen slot size and the host environment. The sand pack will be installed using a tremie pipe, when possible (i.e., a tremie pipe may not fit into smaller, 2-inch diameter boreholes). When utilized, the well screen and casing will be installed, and the sand pack placed around the screen and casing to a depth extending at least 2 feet above the top of the screen. A pre-packed well screen may be used if pre-approved by the NYSDEC.

Bentonite Seal
A minimum 2-foot-thick seal will be placed directly on top of the sand pack, and care will be taken to avoid bridging. In the event that Site geology does not allow for a 2-foot seal (e.g., only 1-foot of space remains between the top of the sand pack and ground surface), the remaining space in the annulus will be filled with bentonite.

Grout Mixture
Upon completion of the bentonite seal, the well may be grouted with a 30% solids pure bentonite grout, a non-shrinking cement grout, a cement / bentonite grout mix, or a bentonite / soil mix as indicated in the Work Plan. The grout will be placed from the top of the bentonite seal to the ground surface.

Surface Protection
At all times during the progress of the work, precautions shall be used to prevent tampering with or the entrance of foreign material into the well. Upon completion of the well, a suitable cap shall be installed to prevent material from entering the well. Where permanent wells are to be installed, the well riser shall be protected by a flush mounted road box set into a concrete pad or locking well cap for stick-up wells. A concrete pad, sloped away from the well, shall be constructed around the flush mount road box or stick-up casing at ground level.

Any well that is to be temporarily removed from service or left incomplete due to delay in construction shall be capped with a watertight cap.

Surveying
Coordinates and elevations will be established for each monitoring well and sampling location. Elevations to the closest 0.01 foot shall be used for the survey. These elevations shall be referenced to a regional, local, or project-specific datum. The location, identification, coordinates, and elevations of the wells will be plotted on maps with a scale large enough to show their location with reference to other structures at each site.

Well Development

After completion of the well, but not sooner than 48 hours after grouting is completed, development will be accomplished using pumping, bailing, and / or surge blocking. No dispersing agents, acids, disinfectants, or other additives will be used during development or introduced into the well at any other time. During development, water will be removed throughout the entire water column by periodically lowering and raising the pump intake (or bailer stopping point).

Water elevations will be taken on all wells prior to development, purging, and sampling. All measurements will be taken within a 24-hour period to obtain consistent elevations and recorded on well data sheets. The procedure for measuring water levels in the monitoring wells is:

- Unlock and remove well cap;
- Test the atmosphere of the well with the calibrated PID. If the gases from the well have caused the air in the breathing zone to read greater than 5 ppm, stop work and refer to the HASP
- Measure water level to nearest 0.01 foot with a water level indicator (electronic).
- Water level indicators will be decontaminated before moving to next well. The tape and cable are decontaminated by washing in a bucket of distilled water-biodegradable phosphate free-detergent solution, followed by a rinse with distilled water.

Development water will either be properly contained and treated as waste until the results of chemical analysis of samples are obtained or discharged on Site as determined by the Site-specific work plans and / or consultation with the NYSDEC representatives on Site.

The development process will continue until removal of a minimum of three well volumes, and when water quality monitoring demonstrates stabilization of the effluent. The water quality meter will be calibrated prior to each sampling event (and more often as required by the manufacturer's data), using calibration fluids. Stabilization criteria is shown in the table below. In the event that limited recharge does not allow for the removal of three well volumes, the well will be allowed to stabilize to conditions deemed representative of groundwater conditions. Stabilization periods will vary by project but will be confirmed with the NYSDEC prior to sampling.

Table 3-2
Well Development Stabilization Criteria

Parameter	Units	Stabilization Criteria
pH	Standard Units (s.u.)	±0.1
Specific Electric Conductance	mS/cm	3%
Temperature	°C / °F	3%
Turbidity	NTU	10% or <10 NTU
Oxidation Reduction Potential (ORP)	mV	±10
Dissolved Oxygen (DO)	mg/L	10% or <0.5 mg/L

3.2.6 Groundwater Sample Collection

Groundwater samples will be collected using a dedicated low flow pump. When PFAS sampling / testing is required, only the following equipment will be permitted:

- Stainless steel inertia pump with HDPE tubing
- Peristaltic pump with HDPE and silicone tubing
- Stainless steel bailer with stainless steel ball
- Bladder pump (identified as PFAS-free) with HDPE tubing

All sampling equipment will be properly decontaminated in the field (see Section 3.4). The following equipment will be available for sampling of monitoring wells in addition to the general sampling equipment list:

- Well Data Sheets
- Pump
- Electronic water level indicator
- Water Quality Meter
- Acid resistant gloves

The following activities will be completed before going into the field every day before the start of sampling:

1. Fill out appropriate section on Well Data Sheet for the wells to be sampled;
2. Obtain the sampling schedule for each well to be sampled;
3. Calibrate the PID with the calibration gas;
4. Determine the amount of sampling to be done for the day and prepare the necessary number of coolers;
5. Each well to be sampled will have designated coolers containing the pre-labeled, certified clean, sample bottles. The groundwater samples will be placed in the cooler labeled for the well from which they were taken. The bottle shall be labeled with large distinguishable letters, so that the groundwater samples will be placed in the proper cooler; and
6. Select the appropriate sample bottles for the day's sampling. The bottles shall be pre-marked with a sample parameter and preservatives. Reusable glass bottles will have been cleaned and prepared at the laboratory. The bottles for the various parameters to be analyzed from each well location will then be placed in a cooler.

The following steps describe the sample collection of groundwater:

1. Unlock and remove the well cap.
2. When VOCs are a contaminant of concern, test the air at the wellhead with the calibrated PID. If the gases from the well have caused the air in the breathing zone to read greater than 5 ppm, stop work and refer to the HASP. Record the reading on the Well Data Sheet.
3. In order to obtain a representative sample of the formation water, the well must be purged of the static water within the well. Prior to purging, the static water level within

the well must be measured and the measurement recorded on the Well Data Sheet.

4. Lower the pump or tubing slowly into the well until it is below the water surface.
5. Connect the pump output to an in-line water quality device (i.e., flow-through cell). Purge the well at a low-flow rate (0.1 – 0.5 L/min). In accordance with the Work Plan, purge waters will either be disposed within the vicinity of the respective well or containerized.
6. Water level measurement should be recorded periodically to monitor drawdown in the well and guide flow rate adjustment. The goal is to minimize drawdown in the well to less than 0.33 feet. The flow rate should be stabilized as soon as possible.
7. Periodically record the pumping rate, drawdown, and the volume of water purged.
8. Water quality indicator parameters (pH, specific conductance, temperature, turbidity, ORP, and DO) should be recorded every three to five minutes or after one flow-through cell volume has been purged, whichever is greater.
9. The well is ready to be sampled once the water quality indicator parameters have stabilized in accordance with Table 3-2. If the well goes dry during pumping, allow for full recovery (measure the water level), and then sample. If recovery takes more than twenty minutes, proceed to next well but return to sample within 24 hours.
10. Fill the appropriate sample bottles according to the sampling schedule for each well. While filling the sample bottles, record the well number, type, volume of container, and the preservatives used on the Ground Water Sampling Analyses form.
11. The preservatives for the various sampling parameters were previously added to the clean sample bottles by the laboratory. Some parameters may require additional special handling.
12. Volatile organics analyses sample vials must be free of air bubbles. When a bubble-free sample has been obtained, it must be immediately chilled.
13. Collect the MS / MSD, duplicates, equipment blanks, and trip blanks, as applicable. Take samples according to sampling schedule presented in the Work Plan.
14. Record all pertinent information in field logbook and on the Well Data Sheet (include color, odor, sediment content of sample, etc.). Any situations at the site that have the potential to interfere with the analytical results should also be recorded here.
15. Lock well, inspect well site, and note any maintenance required.
16. Dispose of potentially contaminated materials in designated container.

3.2.7 Air Sample Collection

Indoor Air Sampling

Indoor air samples will be collected using a Summa™ canister (6-Liter capacity) equipped with a critical orifice flow regulation device sized to allow an air sample to be collected over a 24-hour sampling period. Care is taken to deploy the canisters away from the direct influence of any forced air emanating from air conditioning units, central air conditioning vents, furnaces or heaters. The indoor air sampling procedure is as follows:

- Building spaces are examined to determine a location for deploying the sample. The canister is deployed in areas not subject to disturbances and which will not interfere with the occupant's normal activities.

- Building occupants are requested to keep out of the sampling area during the sampling event.
- Air sample canisters are labeled with a unique sample designation number. The sample number and location is recorded in the field log book.
- The canister vacuum is measured using an integrated vacuum gauge immediately prior to canister deployment, and recorded in the field log book. The critical orifice flow controller is installed, as supplied by the laboratory, on the canister, the canister is opened fully at the beginning of sample collection period, and the start time is recorded.
- The canister valve is closed fully at the end of the sample period by disconnecting the regulator from the canister (after 24-hours) and the end time recorded. Any evidence of canister disturbance during the sample collection will be recorded.
- The canister vacuum is measured and recorded immediately after canister retrieval at the end of the sample period. Once the vacuum is measured, the canisters are returned to their sampling boxes for safe storage and shipping. Field data is verified as correctly entered into field books prior to shipment; and canisters are shipped to the laboratory under a chain-of-custody.

Sub-Slab Soil Gas Sampling

Sub-slab sampling points will be installed to collect soil gas immediately below the slab. The sub-slab samples will be co-located with a corresponding indoor air sample to evaluate the potential from exposure. Sub-slab gas samples will be collected using a 6-Liter Summa™ canister fitted with a flow orifice pre-calibrated to collect a 6-Liter sample over a 24-hour period. Once the 24-hour sampling period has been completed, the canister will be boxed and shipped to the laboratory for analysis. A brief summary of the sampling protocol is provided below. The sub-slab vapor points will be installed by first advancing a small diameter hole (approximately 3/8-inches in diameter) through the floor slab to determine thickness. The holes will be drilled via a hammer drill. The hole will extend through the slab and terminate at the interface with underlying material (i.e. gravel base or soil). A sample point consisting of a length of tubing will be placed into the boring. The cored slab annulus will be filled with clay placed around the sub-slab vapor point. The bottom of the sub-slab vapor point will extend to the bottom of slab. Prior to sub-slab soil gas sample collection, the monitoring point and above grade tubing will be purged at a rate not exceeding 200 ml/min. The total volume purged prior to sample collection will equal three volumes of air in the open space of tubing and the sample point. At the end of the sampling event, a pressure gauge reading will be recorded. The 6-Liter canister with a calibrated 24-hour orifice will be connected to the tubing. The following summarizes the above:

- The sub-slab sampling point construction will be temporary, with the sampling points securely mounted through the concrete slab and grouted in place using pottery clay.
- Prior to sub-slab soil gas sample collection, the monitoring point and above grade tubing will be purged at a rate not exceeding 200 ml/min.
- Samples will be collected over a 24-hour period at a flow rate not greater than 200 mL/min.

- Helium will be used as a field tracer during sampling. The Helium will be introduced into a dome next to the above grade sampling train and Summa™ canister. The helium concentration will be read using a helium meter that is capable to read down to 1-2%.
- Field documentation will be maintained in a field notebook and on field data forms.

Crawl Space Air Sampling

Crawl space sampling points will be installed to collect air in the crawl space, immediately below the ground floor. The crawl space air samples will be co-located with a corresponding indoor air sample to evaluate the potential from exposure. Crawl space air samples will be collected using a 6-Liter Summa™ canister fitted with a flow orifice pre-calibrated to collect a 6-Liter sample over a 24-hour period. Once the 24-hour sampling period has been completed, the canister will be boxed and shipped to the laboratory for analysis. A brief summary of the sampling protocol is provided below. The crawl space sampling points will be installed by first advancing a small diameter hole (approximately 3/8-inches in diameter) through the ground floor slab to determine thickness. The holes will be drilled via a hammer drill. The hole will extend through the slab and terminate in the crawl space. A sample point consisting of a length of tubing will be placed into the hole. The cored slab annulus will be filled with clay placed around the crawl space sampling point. The bottom of the crawl space point will extend one to two feet into the crawl space. Prior to crawl space air sample collection, the monitoring point and above grade tubing will be purged at a rate not exceeding 200 ml/min. The total volume purged prior to sample collection will equal three volumes of air in the open space of tubing and the sample point. At the end of the sampling event, a pressure gauge reading will be recorded. The 6-Liter canister with a calibrated 24-hour orifice will be connected to the tubing. The following summarizes the above:

- The crawl space sampling point construction will be temporary, with the sampling points securely mounted through the concrete slab and grouted in place using pottery clay.
- Prior to crawl space air sample collection, the monitoring point and above grade tubing will be purged at a rate not exceeding 200 ml/min.
- Samples will be collected over a 24-hour period at a flow rate not greater than 200 mL/min.
- Helium will be used as a field tracer during sampling. The Helium will be introduced into a dome next to the above grade sampling train and Summa™ canister. The helium concentration will be read using a helium meter that is capable to read down to 1-2%.
- Access doors to the crawl space will remain closed throughout the sample collection duration.
- Field documentation will be maintained in a field notebook and on field data forms.

Ambient Air Sampling

Ambient air samples are collected in the same manner as the indoor air samples. The sampling device will be located upwind of the structure and will be placed approximately three to five feet off the ground for sample collection purposes. The outdoor air samples will be collected using a Summa canister equipped with a laboratory calibrated regulator over a 24-hour period.

3.3 General Decontamination

The following procedures will be performed for the decontamination of exploration equipment, sampling equipment, and personnel after each drilling / sampling event:

Drill rig, backhoe, and excavator – The drill rig, direct-push rig, backhoe, and / or excavator will be cleaned prior to their entrance and exit of the site. Greases and oils will not be used on any down hole equipment during drilling or exploration activities.

Exploration equipment – To avoid cross contamination, use of a PID meter and cleaning between each sampling site will be employed on backhoe arms, buckets, hollow stem augers, casing drill rods, down-hole tools, and appurtenant equipment.

Split spoon sampler – The split spoon sampler will be scrubbed, cleaned, and put through a series of rinses between each sampling event. A number of split spoon samplers will be used so that one can be utilized for sampling while the others are being cleaned.

Reusable equipment – The following steps will be employed to decontaminate reusable equipment:

- Rinse equipment of soil or foreign material with potable water;
- Immerse and scrub equipment with bio-degradable phosphate-free detergent and potable water;
- Immerse and scrub in a potable water rinse without detergent;
- Immerse and scrub in deionized/distilled water;
- Saturate by spraying or immersion in laboratory-grade hexane;
- Air dry and wrap cleaned equipment in foil to carry to next monitoring site to prevent contamination of equipment during transfer; and
- The decontamination wash and rinse water will not be considered hazardous unless visual inspection or monitoring by the PID and other equipment indicate that contaminants may be present. The rinse waters can be discharged on-site if they are not contaminated. If contaminants are expected to be present, the rinsate waters should be placed in 55-gallon drums and stored on-site.

Disposable equipment – The following steps will be employed to decontaminate disposable equipment:

- Rinse with potable water;
- Remove all standing liquid from the piece of equipment;
- Dispose of the equipment in a dedicated container for contaminated solids; and
- Dispose of rinse water in 55-gallon drums if contaminants are found to be present.

Sample containers – Upon filling and capping sample bottles, the outside of the bottle will be wiped off with a clean paper towel. These towels will be disposed of in a dedicated container

for contaminated solids.

Personnel decontamination – The following procedures will be used to decontaminate sampling personnel.

- After each sampling event chemical resistant gloves will be disposed of in a dedicated container for contaminated solids;
- At the end of each sampling day, Tyvek™ coveralls will be disposed of in a dedicated container for contaminated solids;
- Boots will be rinsed off with water to remove mud, clay, or any other contaminants; and
- Personnel will be required to follow procedures outlined in the HASP.

3.3.1 Special Considerations When Sampling for PFAS

- Clothing that contains PTFE material, including Gore-Tex or that have been water-proofed with PFAS materials should be avoided. All clothing worn by sampling personnel should first be laundered multiple times. Acceptable rain gear includes PVC, polyurethane, or rubber. If such materials are required because site conditions warrant additional protection for samplers, their use will be documented in the field notes.
- Decontamination water shall be verified in advance to be PFAS-free through laboratory analysis or certification. Previous results of non-detect for PFAS are acceptable.

SECTION 4 – SAMPLE MANAGEMENT PLAN

4.1 Sample Management

This Sample Management Plan provides procedures to document and track samples and results obtained during this work effort. A series of pre-printed forms with the appropriate information serves as a vehicle for documentation and tracking.

In order to accomplish this task, the documentation materials will include sample labels, sample characterization and Chain-of-Custody sheets, daily field reports, and a sample log.

Sample Label – A sample label will be completed for each sample obtained and will be affixed to the sample container. The label is configured in a way to address various types of mediums. Information on the label includes, at a minimum, client name, location, sample description, sample number, date, time, grab sample, composite sample, notes, and sampler's name.

Sample Characterization & Chain-of-Custody Sheet – All pertinent field information will be entered onto the sample characterization and chain-of-custody sheets including client name, sample ID, sample description, location of sample, sampling method, number of containers, container type, analysis required, and preservation. The monitoring well form has space allotted for entering information regarding the well including depth to water, well volume, sample pH, temperature, color, etc. The Chain-of-Custody section of the form will document the sample's pathway of sample shipment which will include names of persons delivering/receiving, dates, and times. The reverse side of this form will be used by the laboratory to document analysis performed on the sample. Copies of the completed forms will be retained by the Engineer and the analytical laboratory. The original sample characterization and Chain-of-Custody sheets will be submitted in applicable reports along with the laboratory results.

Daily Field Reports – Daily activities will be recorded on the Inspection Report form. The purpose of this form will be to summarize the work performed on the site each day. The completed forms will be submitted to the Project Manager on a daily basis for short term site activity and on a weekly basis for site activities of a longer duration.

Sample Log – The sample log will be utilized to track each individual sample obtained at the site. The upper portion, "Field Identification" will be completed the day the sample is taken. The form will accompany the sample characterization and Chain-of-Custody form to the laboratory. Personnel at the laboratory will complete the middle section of this form and return it to the Engineer, who will use the document to track incoming results. The bottom of the sheet has space allocated to enter "Recommended Actions" based on laboratory results.

4.2 Sample Handling

Each collected sample will be dispensed into the appropriate sample containers for the type of analysis to be performed. Sampling staff will wear nitrile gloves at all times when handling

samples. Appropriate sample preservatives will be added to the sample containers by the contracted analytical laboratory prior to the delivery into the field, except in cases where the sample preservative must be added after sample collection. All samples that require cool storage will be immediately placed in coolers with appropriate packaging materials so as to protect the breakage of sample containers during shipment. The sample coolers will be filled with cubed ice (no "Blue Ice") prior to leaving the sample collection location. In the instance that a local analytical laboratory is contracted, the samples will be hand delivered to the laboratory each sampling day. The chain-of-custody forms will be signed by the laboratory personnel picking up the samples and placed within the coolers. In the instance that an analytical laboratory is contracted which is not based locally and a common carrier is used for sample shipment, the chain-of-custody forms will be signed by the sampler and the carrier personnel and placed inside of the coolers. Careful packaging techniques will be used to prevent sample containers from breakage during shipment. Materials such as cardboard, foam wrap, or Styrofoam may be used as packaging materials. All samples will be delivered to the contracted analytical laboratory on the day they were collected and will be received by the laboratory within 24 hours of sample collection. The samples will be collected with sufficient time allowed at the end of the day for the analytical laboratory to properly process the sample chain-of-custody form.

Attachment A

SUPPORTING DOCUMENTATION FOR PFAS ANALYSIS

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Under NYSDEC's Part 375 Remedial Programs

April 2023



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ERRATA SHEET for

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued January 17, 2020

Citation and Page Number	Current Text	Corrected Text	Date
Title of Appendix I, page 32	Appendix H	Appendix I	2/25/2020
Document Cover, page 1	Guidelines for Sampling and Analysis of PFAS	Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs	9/15/2020
Data Assessment and Application to Site Cleanup Page 3	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	3/28/2023
Water Sample Results Page 3	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water if PFOA or PFOS is detected in any water sample at or above 10 ng/L (ppt) and is determined to be attributable to the site, either by a comparison of upgradient and downgradient levels, or the presence of soil source areas, as defined below.	NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These guidance values also include criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt).Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.	3/28/2023
Soil Sample Results Page 3	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values:	NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:	3/28/2023
Protection of Groundwater Page 3	PFOA (ppb) 1.1 PFOS (ppb) 3.7	PFOA (ppb) 0.8 PFOS (ppb) 1.0	3/28/2023

Citation and Page Number	Current Text	Corrected Text	Date
Footnote 2 Page 3	The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	3/28/2023
Testing for Imported Soil Page 4	If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable.	If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.	3/28/2023
Routine Analysis, page 9	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1 or ISO 25101."	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1, ISO 25101, or Method 533."	9/15/2020
Additional Analysis, page 9, new paragraph regarding soil parameters	None	"In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (EPA Method 9060), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils."	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Data Assessment and Application to Site Cleanup Page 10	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFAS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Target levels for cleanup of PFAS in other media, including biota and sediment, have not yet been established by the DEC.	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.	9/15/2020
Water Sample Results Page 10	PFAS should be further assessed and considered as a potential contaminant of concern in groundwater or surface water (…) If PFAS are identified as a contaminant of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water (…) If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Soil Sample Results, page 10	"The extent of soil contamination for purposes of delineation and remedy selection should be determined by having certain soil samples tested by Synthetic Precipitation Leaching Procedure (SPLP) and the leachate analyzed for PFAS. Soil exhibiting SPLP results above 70 ppt for either PFOA or PFOS (individually or combined) are to be evaluated during the cleanup phase."	"Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values. " [Interim SCO Table] "PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP. As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf. "	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Testing for Imported Soil Page 11	Soil imported to a site for use in a soil cap, soil cover, or as backfill is to be tested for PFAS in general conformance with DER-10, Section 5.4(e) for the PFAS Analyte List (Appendix F) using the analytical procedures discussed below and the criteria in DER-10 associated with SVOCs. If PFOA or PFOS is detected in any sample at or above 1 µg/kg, then soil should be tested by SPLP and the leachate analyzed for PFAS. If the SPLP results exceed 10 ppt for either PFOA or PFOS (individually) then the source of backfill should be rejected, unless a site-specific exemption is provided by DER. SPLP leachate criteria is based on the Maximum Contaminant Levels proposed for drinking water by New York State's Department of Health, this value may be updated based on future Federal or State promulgated regulatory standards. Remedial parties have the option of analyzing samples concurrently for both PFAS in soil and in the SPLP leachate to minimize project delays. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable. PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Footnotes	None	[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances. [2] The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the soil cleanup objective for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	9/15/2020
Additional Analysis, page 9	In cases… soil parameters, such as Total Organic Carbon (EPA Method 9060), soil…	In cases… soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil…	1/8/2021
Appendix A, General Guidelines, fourth bullet	List the ELAP-approved lab(s) to be used for analysis of samples	List the ELAP- certified lab(s) to be used for analysis of samples	1/8/2021
Appendix E, Laboratory Analysis and Containers	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by ISO Method 25101.	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101	1/8/2021
Water Sample Results Page 9	"In addition, further assessment of water may be warranted if either of the following screening levels are met: a. any other individual PFAS (not PFOA or PFOS) is detected in water at or above 100 ng/L; or b. total concentration of PFAS (including PFOA and PFOS) is detected in water at or above 500 ng/L"	Deleted	6/15/2021

Citation and Page Number	Current Text	Corrected Text	Date
Routine Analysis, Page XX	Currently, New York State Department of Health's Environmental Laboratory Approval Program (ELAP)… criteria set forth in the DER's laboratory guidelines for PFAS in non-potable water and solids (Appendix H - Laboratory Guidelines for Analysis of PFAS in Non-Potable Water and Solids).	Deleted	5/31/2022
Analysis and Reporting, Page XX	As of October 2020, the United States Environmental Protection Agency (EPA) does not have a validated method for analysis of PFAS for media commonly analyzed under DER remedial programs (non-potable waters, solids). DER has developed the following guidelines to ensure consistency in analysis and reporting of PFAS.	Deleted	5/31/2022
Routine Analysis, Page XX	LC-MS/MS analysis for PFAS using methodologies based on EPA Method 537.1 is the procedure to use for environmental samples. Isotope dilution techniques should be utilized for the analysis of PFAS in all media.	EPA Method 1633 is the procedure to use for environmental samples.	
Soil Sample Results, Page XX	Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6	
Appendix A	"Include in the text… LC-MS/MS for PFAS using methodologies based on EPA Method 537.1"	"Include in the text ….EPA Method 1633"	
Appendix A	"Laboratory should have ELAP certification for PFOA and PFOS in drinking water by EPA Method 537, 537.1, EPA Method 533, or ISO 25101"	Deleted	
Appendix B	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	

Citation and Page Number	Current Text	Corrected Text	Date
Appendix C	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix D	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix G		Updated to include all forty PFAS analytes in EPA Method 533	
Appendix H		Deleted	
Appendix I	Appendix I	Appendix H	
Appendix H	"These guidelines are intended to be used for the validation of PFAS analytical results for projects within the Division of Environmental Remediation (DER) as well as aid in the preparation of a data usability summary report."	"These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER)."	
Appendix H	"The holding time is 14 days…"	"The holding time is 28 days…"	
Appendix H, Initial Calibration	"The initial calibration should contain a minimum of five standards for linear fit…"	"The initial calibration should contain a minimum of six standards for linear fit…"	
Appendix H, Initial Calibration	Linear fit calibration curves should have an R^2 value greater than 0.990.	Deleted	
Appendix H, Initial Calibration Verification	Initial Calibration Verification Section	Deleted	
Appendix H	secondary Ion Monitoring Section	Deleted	
Appendix H	Branched and Linear Isomers Section	Deleted	

Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs

Objective

New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) performs or oversees sampling of environmental media and subsequent analysis of PFAS as part of remedial programs implemented under 6 NYCRR Part 375. To ensure consistency in sampling, analysis, reporting, and assessment of PFAS, DER has developed this document which summarizes currently accepted procedures and updates previous DER technical guidance pertaining to PFAS.

Applicability

All work plans submitted to DEC pursuant to one of the remedial programs under Part 375 shall include PFAS sampling and analysis procedures that conform to the guidelines provided herein.

As part of a site investigation or remedial action compliance program, whenever samples of potentially affected media are collected and analyzed for the standard Target Analyte List/Target Compound List (TAL/TCL), PFAS analysis should also be performed. Potentially affected media can include soil, groundwater, surface water, and sediment. Based upon the potential for biota to be affected, biota sampling and analysis for PFAS may also be warranted as determined pursuant to a Fish and Wildlife Impact Analysis. Soil vapor sampling for PFAS is not required.

Field Sampling Procedures

DER-10 specifies technical guidance applicable to DER's remedial programs. Given the prevalence and use of PFAS, DER has developed "best management practices" specific to sampling for PFAS. As specified in DER-10 Chapter 2, quality assurance procedures are to be submitted with investigation work plans. Typically, these procedures are incorporated into a work plan, or submitted as a stand-alone document (e.g., a Quality Assurance Project Plan). Quality assurance guidelines for PFAS are listed in Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS.

Field sampling for PFAS performed under DER remedial programs should follow the appropriate procedures outlined for soils, sediments, or other solids (Appendix B), non-potable groundwater (Appendix C), surface water (Appendix D), public or private water supply wells (Appendix E), and fish tissue (Appendix F).

QA/QC samples (e.g. duplicates, MS/MSD) should be collected as specified in DER-10, Section 2.3(c). For sampling equipment coming in contact with aqueous samples only, rinsate or equipment blanks should be collected. Equipment blanks should be collected at a minimum frequency of one per day per site or one per twenty samples, whichever is more frequent.

Analysis and Reporting

The investigation work plan should describe analysis and reporting procedures, including laboratory analytical procedures for the methods discussed below. As specified in DER-10 Section 2.2, laboratories should provide a full Category B deliverable. In addition, a Data Usability Summary Report (DUSR) should be prepared by an independent, third-party data validator. Electronic data submissions should meet the requirements provided at: https://www.dec.ny.gov/chemical/62440.html.

DER has developed a *PFAS Analyte List* (Appendix G) for remedial programs to understand the nature of contamination at sites. It is expected that reported results for PFAS will include, at a minimum, all the compounds listed. If lab and/or matrix specific issues are encountered for any analytes, the DER project manager, in consultation with the DER chemist, will make case-by-case decisions as to whether certain analytes may be temporarily or permanently discontinued from analysis at each site. As with other contaminants that are analyzed for at a site, the *PFAS Analyte List* may be refined for future sampling events based on investigative findings.

Routine Analysis

EPA Method 1633 is the procedure to use for environmental samples. Reporting limits for PFOA and PFOS in aqueous samples should not exceed 2 ng/L. Reporting limits for PFOA and PFOS in solid samples should not exceed 0.5 µg/kg. Reporting limits for all other PFAS in aqueous and solid media should be as close to these limits as possible. If laboratories indicate that they are not able to achieve these reporting limits for the entire *PFAS Analyte List*, site-specific decisions regarding acceptance of elevated reporting limits for specific PFAS can be made by the DER project manager in consultation with the DER chemist. Data review guidelines were developed by DER to ensure data comparability and usability (Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids).

Additional Analysis

Additional laboratory methods for analysis of PFAS may be warranted at a site, such as the Synthetic Precipitation Leaching Procedure (SPLP) and Total Oxidizable Precursor Assay (TOP Assay).

In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils.

SPLP is a technique used to determine the mobility of chemicals in liquids, soils and wastes, and may be useful in determining the need for addressing PFAS-containing material as part of the remedy. SPLP by EPA Method 1312 should be used unless otherwise specified by the DER project manager in consultation with the DER chemist.

Impacted materials can be made up of PFAS that are not analyzable by routine analytical methodology. A TOP Assay can be utilized to conceptualize the amount and type of oxidizable PFAS which could be liberated in the environment, which approximates the maximum concentration of perfluoroalkyl substances that could be generated if all polyfluoroalkyl substances were oxidized. For example, some polyfluoroalkyl substances may degrade or transform to form perfluoroalkyl substances (such as PFOA or PFOS), resulting in an increase in perfluoroalkyl substance concentrations as contaminated groundwater moves away from a source. The TOP Assay converts, through oxidation, polyfluoroalkyl substances (precursors) into perfluoroalkyl substances that can be detected by routine analytical methodology.[1]

[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances.

Commercial laboratories have adopted methods which allow for the quantification of targeted PFAS in air and biota. The EPA's Office of Research and Development (ORD) is currently developing methods which allow for air emissions characterization of PFAS, including both targeted and non-targeted analysis of PFAS. Consult with the DER project manager and the DER chemist for assistance on analyzing biota/tissue and air samples.

Data Assessment and Application to Site Cleanup

Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.

Water Sample Results

NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These human health criteria should also be applied to surface water that is used as a water supply. This guidance also includes criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt). Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.

If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.

Soil Sample Results

NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:

Guidance Values for Anticipated Site Use	PFOA (ppb)	PFOS (ppb)
Unrestricted	0.66	0.88
Residential	6.6	8.8
Restricted Residential	33	44
Commercial	500	440
Industrial	600	440
Protection of Groundwater[2]	0.8	1.0

PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These

[2] The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).

additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP.

As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf.

Testing for Imported Soil

Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.

PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.

Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS

The following guidelines (general and PFAS-specific) can be used to assist with the development of a QAPP for projects within DER involving sampling and analysis of PFAS.

General Guidelines in Accordance with DER-10

- Document/work plan section title – Quality Assurance Project Plan
- Summarize project scope, goals, and objectives
- Provide project organization including names and resumes of the project manager, Quality Assurance Officer (QAO), field staff, and Data Validator
    - The QAO should not have another position on the project, such as project or task manager, that involves project productivity or profitability as a job performance criterion
- List the ELAP certified lab(s) to be used for analysis of samples
- Include a site map showing sample locations
- Provide detailed sampling procedures for each matrix
- Include Data Quality Usability Objectives
- List equipment decontamination procedures
- Include an "Analytical Methods/Quality Assurance Summary Table" specifying:
    - Matrix type
    - Number or frequency of samples to be collected per matrix
    - Number of field and trip blanks per matrix
    - Analytical parameters to be measured per matrix
    - Analytical methods to be used per matrix with minimum reporting limits
    - Number and type of matrix spike and matrix spike duplicate samples to be collected
    - Number and type of duplicate samples to be collected
    - Sample preservation to be used per analytical method and sample matrix
    - Sample container volume and type to be used per analytical method and sample matrix
    - Sample holding time to be used per analytical method and sample matrix
- Specify Category B laboratory data deliverables and preparation of a DUSR

Specific Guidelines for PFAS

- Include in the text that sampling for PFAS will take place
- Include in the text that PFAS will be analyzed by EPA Method 1633
- Include the list of PFAS compounds to be analyzed (*PFAS Analyte List*)
- Include the laboratory SOP for PFAS analysis
- List the minimum method-achievable Reporting Limits for PFAS
    - Reporting Limits should be less than or equal to:
        - Aqueous – 2 ng/L (ppt)
        - Solids – 0.5 µg/kg (ppb)
- Include the laboratory Method Detection Limits for the PFAS compounds to be analyzed
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- Include detailed sampling procedures
    - Precautions to be taken
    - Pump and equipment types
    - Decontamination procedures
    - Approved materials only to be used
- Specify that regular ice only will be used for sample shipment
- Specify that equipment blanks should be collected at a minimum frequency of 1 per day per site for each matrix

Appendix B - Sampling Protocols for PFAS in Soils, Sediments and Solids

General

The objective of this protocol is to give general guidelines for the collection of soil, sediment and other solid samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Containers

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in to contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel spoon
- stainless steel bowl
- steel hand auger or shovel without any coatings

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Sampling is often conducted in areas where a vegetative turf has been established. In these cases, a pre-cleaned trowel or shovel should be used to carefully remove the turf so that it may be replaced at the conclusion of sampling. Surface soil samples (e.g. 0 to 6 inches below surface) should then be collected using a pre-cleaned, stainless steel spoon. Shallow subsurface soil samples (e.g. 6 to ~36 inches below surface) may be collected by digging a hole using a pre-cleaned hand auger or shovel. When the desired subsurface depth is reached, a pre-cleaned hand auger or spoon shall be used to obtain the sample.

When the sample is obtained, it should be deposited into a stainless steel bowl for mixing prior to filling the sample containers. The soil should be placed directly into the bowl and mixed thoroughly by rolling the material into the middle until the material is homogenized. At this point the material within the bowl can be placed into the laboratory provided container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A soil log or sample log shall document the location of the sample/borehole, depth of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix C - Sampling Protocols for PFAS in Monitoring Wells

General

The objective of this protocol is to give general guidelines for the collection of groundwater samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including plumbers tape and sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel inertia pump with HDPE tubing
- peristaltic pump equipped with HDPE tubing and silicone tubing
- stainless steel bailer with stainless steel ball
- bladder pump (identified as PFAS-free) with HDPE tubing

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Monitoring wells should be purged in accordance with the sampling procedure (standard/volume purge or low flow purge) identified in the site work plan, which will determine the appropriate time to collect the sample. If sampling using standard purge techniques, additional purging may be needed to reduce turbidity levels, so samples contain a limited amount of sediment within the sample containers. Sample containers that contain sediment may cause issues at the laboratory, which may result in elevated reporting limits and other issues during the sample preparation that can compromise data usability. Sampling personnel should don new nitrile gloves prior to sample collection due to the potential to contact PFAS containing items (not related to the sampling equipment) during the purging activities.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Additional equipment blank samples may be collected to assess other equipment that is utilized at the monitoring well
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A purge log shall document the location of the sample, sampling equipment, groundwater parameters, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix D - Sampling Protocols for PFAS in Surface Water

General

The objective of this protocol is to give general guidelines for the collection of surface water samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel cup

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Where conditions permit, (e.g. creek or pond) sampling devices (e.g. stainless steel cup) should be rinsed with site medium to be sampled prior to collection of the sample. At this point the sample can be collected and poured into the sample container.

If site conditions permit, samples can be collected directly into the laboratory container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A sample log shall document the location of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix E - Sampling Protocols for PFAS in Private Water Supply Wells

General

The objective of this protocol is to give general guidelines for the collection of water samples from private water supply wells (with a functioning pump) for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101. The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials (e.g. plumbers tape), including sample bottle cap liners with a PTFE layer.

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Locate and assess the pressure tank and determine if any filter units are present within the building. Establish the sample location as close to the well pump as possible, which is typically the spigot at the pressure tank. Ensure sampling equipment is kept clean during sampling as access to the pressure tank spigot, which is likely located close to the ground, may be obstructed and may hinder sample collection.

Prior to sampling, a faucet downstream of the pressure tank (e.g., washroom sink) should be run until the well pump comes on and a decrease in water temperature is noted which indicates that the water is coming from the well. If the homeowner is amenable, staff should run the water longer to purge the well (15+ minutes) to provide a sample representative of the water in the formation rather than standing water in the well and piping system including the pressure tank. At this point a new pair of nitrile gloves should be donned and the sample can be collected from the sample point at the pressure tank.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- If equipment was used, collect one equipment blank per day per site and a minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers.
- A field reagent blank (FRB) should be collected at a rate of one per 20 samples. The lab will provide a FRB bottle containing PFAS free water and one empty FRB bottle. In the field, pour the water from the one bottle into the empty FRB bottle and label appropriately.
- Request appropriate data deliverable (Category B) and an electronic data deliverable
- For sampling events where multiple private wells (homes or sites) are to be sampled per day, it is acceptable to collect QC samples at a rate of one per 20 across multiple sites or days.

Documentation

A sample log shall document the location of the private well, sample point location, owner contact information, sampling equipment, purge duration, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate and available (e.g. well construction, pump type and location, yield, installation date). Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appendix F - Sampling Protocols for PFAS in Fish

This appendix contains a copy of the current SOP developed by the Division of Fish and Wildlife (DFW) entitled "General Fish Handling Procedures for Contaminant Analysis" (Ver. 8). This SOP should be followed when collecting fish for contaminant analysis. Note, however, that the Bureau of Ecosystem Health will not be supplying bags or tags. All supplies are the responsibility of the collector

Procedure Name: General Fish Handling Procedures for Contaminant Analysis

Number: FW-005

Purpose: This procedure describes data collection, fish processing and delivery of fish collected for contaminant monitoring. It contains the chain of custody and collection record forms that should be used for the collections.

Organization: Environmental Monitoring Section
Bureau of Ecosystem Health
Division of Fish and Wildlife (DFW)
New York State Department of Environmental Conservation (NYSDEC)
625 Broadway
Albany, New York 12233-4756

Version: 8

Previous Version Date: 21 March 2018

Summary of Changes to this Version: Updated bureau name to Bureau of Ecosystem Health. Added direction to list the names of all field crew on the collection record. Minor formatting changes on chain of custody and collection records.

Originator or Revised by: Wayne Richter, Jesse Becker

Date: 26 April 2019

Quality Assurance Officer and Approval Date: Jesse Becker, 26 April 2019

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

GENERAL FISH HANDLING PROCEDURES FOR CONTAMINANT ANALYSES

A. Original copies of all continuity of evidence (i.e., Chain of Custody) and collection record forms must accompany delivery of fish to the lab. A copy shall be directed to the Project Leader or as appropriate, Wayne Richter. All necessary forms will be supplied by the Bureau of Ecosystem Health. Because some samples may be used in legal cases, it is critical that each section is filled out completely. Each Chain of Custody form has three main sections:

   1. The top box is to be filled out **and signed** by the person responsible for the fish collection (e.g., crew leader, field biologist, researcher). This person is responsible for delivery of the samples to DEC facilities or personnel (e.g., regional office or biologist).

   2. The second section is to be filled out **and signed** by the person responsible for the collections while being stored at DEC, before delivery to the analytical lab. This may be the same person as in (1), but it is still required that they complete the section. Also important is the **range of identification numbers** (i.e., tag numbers) included in the sample batch.

   3. Finally, the bottom box is to record any transfers between DEC personnel and facilities. Each subsequent transfer should be **identified, signed, and dated**, until laboratory personnel take possession of the fish.

B. The following data are required on each **Fish Collection Record** form:

   1. Project and Site Name.

   2. DEC Region.

   3. All personnel (and affiliation) involved in the collection.

   4. Method of collection (gill net, hook and line, etc.)

   5. Preservation Method.

C. The following data are to be taken on each fish collected and recorded on the **Fish Collection Record** form:

   1. Tag number - Each specimen is to be individually jaw tagged at time of collection with a unique number. Make sure the tag is turned out so that the number can be read without opening the bag. Use tags in sequential order. For small fish or composite samples place the tag inside the bag with the samples. The Bureau of Ecosystem Health can supply the tags.

   2. Species identification (please be explicit enough to enable assigning genus and species). Group fish by species when processing.

   3. Date collected.

   4. Sample location (waterway and nearest prominent identifiable landmark).

   5. Total length (nearest mm or smallest sub-unit on measuring instrument) and weight (nearest g or

smallest sub-unit of weight on weighing instrument). Take all measures as soon as possible with calibrated, protected instruments (e.g. from wind and upsets) and prior to freezing.

6. Sex - fish may be cut enough to allow sexing or other internal investigation, but do not eviscerate. Make any incision on the right side of the belly flap or exactly down the midline so that a left-side fillet can be removed.

D. General data collection recommendations:

1. It is helpful to use an ID or tag number that will be unique. It is best to use metal striped bass or other uniquely numbered metal tags. If uniquely numbered tags are unavailable, values based on the region, water body and year are likely to be unique: for example, R7CAY11001 for Region 7, Cayuga Lake, 2011, fish 1. If the fish are just numbered 1 through 20, we have to give them new numbers for our database, making it more difficult to trace your fish to their analytical results and creating an additional possibility for errors.

2. Process and record fish of the same species sequentially. Recording mistakes are less likely when all fish from a species are processed together. Starting with the bigger fish species helps avoid missing an individual.

3. If using Bureau of Ecosystem Health supplied tags or other numbered tags, use tags in sequence so that fish are recorded with sequential Tag Numbers. This makes data entry and login at the lab and use of the data in the future easier and reduces keypunch errors.

4. Record length and weight as soon as possible after collection and before freezing. Other data are recorded in the field upon collection. An age determination of each fish is optional, but if done, it is recorded in the appropriate “Age” column.

5. For composite samples of small fish, record the number of fish in the composite in the Remarks column. Record the length and weight of each individual in a composite. All fish in a composite sample should be of the same species and members of a composite should be visually matched for size.

6. Please submit photocopies of topographic maps or good quality navigation charts indicating sampling locations. GPS coordinates can be entered in the Location column of the collection record form in addition to or instead for providing a map. These records are of immense help to us (and hopefully you) in providing documented location records which are not dependent on memory and/or the same collection crew. In addition, they may be helpful for contaminant source trackdown and remediation/control efforts of the Department.

7. When recording data on fish measurements, it will help to ensure correct data recording for the data recorder to call back the numbers to the person making the measurements.

E. Each fish is to be placed in its own individual plastic bag. For small fish to be analyzed as a composite, put all of the fish for one composite in the same bag but use a separate bag for each composite. It is important to individually bag the fish to avoid difficulties or cross contamination when processing the fish for chemical analysis. Be sure to include the fish’s tag number inside the bag, preferably attached to the fish with the tag number turned out so it can be read. Tie or otherwise secure the bag closed. **The Bureau of Ecosystem Health will supply the bags.** If necessary, food grade bags may be procured from a suitable vendor (e.g., grocery store). It is preferable to redundantly label each bag with a manila tag tied between the knot and the body of the bag. This tag should be labeled with the project name, collection location, tag number, collection date, and fish species. If scales are collected, the scale envelope should be labeled with

the same information.

F. Groups of fish, by species, are to be placed in one large plastic bag per sampling location. **The Bureau of Ecosystem Health will supply the larger bags.** Tie or otherwise secure the bag closed. Label the site bag with a manila tag tied between the knot and the body of the bag. The tag should contain: project, collection location, collection date, species and **tag number ranges**. Having this information on the manila tag enables lab staff to know what is in the bag without opening it.

G. Do not eviscerate, fillet or otherwise dissect the fish unless specifically asked to. If evisceration or dissection is specified, the fish must be cut along the exact midline or on the right side so that the left side fillet can be removed intact at the laboratory. If filleting is specified, the procedure for taking a standard fillet (SOP PREPLAB 4) must be followed, including removing scales.

H. Special procedures for PFAS: Unlike legacy contaminants such as PCBs, which are rarely found in day to day life, PFAS are widely used and frequently encountered. Practices that avoid sample contamination are therefore necessary. While no standard practices have been established for fish, procedures for water quality sampling can provide guidance. The following practices should be used for collections when fish are to be analyzed for PFAS:

No materials containing Teflon.
No Post-it notes.
No ice packs; only water ice or dry ice.
Any gloves worn must be powder free nitrile.
No Gore-Tex or similar materials (Gore-Tex is a PFC with PFOA used in its manufacture).
No stain repellent or waterproof treated clothing; these are likely to contain PFCs.
Avoid plastic materials, other than HDPE, including clipboards and waterproof notebooks.
Wash hands after handling any food containers or packages as these may contain PFCs.
Keep pre-wrapped food containers and wrappers isolated from fish handling.
Wear clothing washed at least six times since purchase.
Wear clothing washed without fabric softener.
Staff should avoid cosmetics, moisturizers, hand creams and similar products on the day of sampling as many of these products contain PFCs (Fujii et al. 2013). Sunscreen or insect repellent should not contain ingredients with “fluor” in their name. Apply any sunscreen or insect repellent well downwind from all materials. Hands must be washed after touching any of these products.

I. All fish must be kept at a temperature <45° F (<8° C) immediately following data processing. As soon as possible, freeze at -20° C ± 5° C. Due to occasional freezer failures, daily freezer temperature logs are required. The freezer should be locked or otherwise secured to maintain chain of custody.

J. In most cases, samples should be delivered to the Analytical Services Unit at the Hale Creek field station. Coordinate delivery with field station staff and send copies of the collection records, continuity of evidence forms and freezer temperature logs to the field station. For samples to be analyzed elsewhere, non-routine collections or other questions, contact Wayne Richter, Bureau of Ecosystem Health, NYSDEC, 625 Broadway, Albany, New York 12233-4756, 518-402-8974, or the project leader about sample transfer. Samples will then be directed to the analytical facility and personnel noted on specific project descriptions.

K. A recommended equipment list is at the end of this document.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF FISH AND WILDLIFE
FISH COLLECTION RECORD

Project and Site Name _____ DEC Region _____

Collections made by (include all crew) _____

Sampling Method: □Electrofishing □Gill netting □Trap netting □Trawling □Seining □Angling □Other _____

Preservation Method: □Freezing □Other _____ Notes (SWFDB survey number): _____

FOR LAB USE ONLY- LAB ENTRY NO.	COLLECTION OR TAG NO.	SPECIES	DATE TAKEN	LOCATION	AGE	SEX &/OR REPROD. CONDIT	LENGTH ( )	WEIGHT ( )	REMARKS

richter: revised 2011, 5/7/15, 10/4/16, 3/20/17; becker: 3/23/17, 4/26/19

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CHAIN OF CUSTODY

I, _____, of _____ collected the
(Print Name) (Print Business Address)

following on _____, 20____ from _____
(Date) (Water Body)

in the vicinity of _____
(Landmark, Village, Road, etc.)

Town of _____, in _____ County.

Item(s) _____

_____

Said sample(s) were in my possession and handled according to standard procedures provided to me prior to collection. The sample(s) were placed in the custody of a representative of the New York State Department of Environmental Conservation on _____, 20_____.

_____ _____
Signature Date

I, _____, received the above mentioned sample(s) on the date specified and assigned identification number(s) _____ to the sample(s). I have recorded pertinent data for the sample(s) on the attached collection records. The sample(s) remained in my custody until subsequently transferred, prepared or shipped at times and on dates as attested to below.

_____ _____
Signature Date

SECOND RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
THIRD RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
FOURTH RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
RECEIVED IN LABORATORY BY (Print Name)	TIME & DATE	REMARKS
SIGNATURE	UNIT	
LOGGED IN BY (Print Name)	TIME & DATE	ACCESSION NUMBERS
SIGNATURE	UNIT	

richter: revised 21 April 2014; becker: 23 March 2017, 26 April, 2019

NOTICE OF WARRANTY

By signature to the chain of custody (reverse), the signatory warrants that the information provided is truthful and accurate to the best of his/her ability. The signatory affirms that he/she is willing to testify to those facts provided and the circumstances surrounding the same. Nothing in this warranty or chain of custody negates responsibility nor liability of the signatories for the truthfulness and accuracy of the statements provided.

HANDLING INSTRUCTIONS

On day of collection, collector(s) name(s), address(es), date, geographic location of capture (attach a copy of topographic map or navigation chart), species, number kept of each species, and description of capture vicinity (proper noun, if possible) along with name of Town and County must be indicated on reverse.

Retain organisms in manila tagged plastic bags to avoid mixing capture locations. Note appropriate information on each bag tag.

Keep samples as cool as possible. Put on ice if fish cannot be frozen within 12 hours. If fish are held more than 24 hours without freezing, they will not be retained or analyzed.

Initial recipient (either DEC or designated agent) of samples from collector(s) is responsible for obtaining and recording information on the collection record forms which will accompany the chain of custody. This person will seal the container using packing tape and writing his signature, the time and the date across the tape onto the container with indelible marker. Any time a seal is broken, for whatever purpose, the incident must be recorded on the Chain of Custody (reason, time, and date) in the purpose of transfer block. Container then is resealed using new tape and rewriting signature, with time and date.

EQUIPMENT LIST

Scale or balance of appropriate capacity for the fish to be collected.

Fish measuring board.

Plastic bags of an appropriate size for the fish to be collected and for site bags.

Individually numbered metal tags for fish.

Manila tags to label bags.

Small envelops, approximately 2” x 3.5”, if fish scales are to be collected.

Knife for removing scales.

Chain of custody and fish collection forms.

Clipboard.

Pens or markers.

Paper towels.

Dish soap and brush.

Bucket.

Cooler.

Ice.

Duct tape.

Appendix G – PFAS Analyte List

Group	Chemical Name	Abbreviation	CAS Number
Perfluoroalkyl sulfonic acids	Perfluorobutanesulfonic acid	PFBS	375-73-5
	Perfluoropentanesulfonic acid	PFPeS	2706-91-4
	Perfluorohexanesulfonic acid	PFHxS	355-46-4
	Perfluoroheptanesulfonic acid	PFHpS	375-92-8
	Perfluorooctanesulfonic acid	PFOS	1763-23-1
	Perfluorononanesulfonic acid	PFNS	68259-12-1
	Perfluorodecanesulfonic acid	PFDS	335-77-3
	Perfluorododecanesulfonic acid	PFDoS	79780-39-5
Perfluoroalkyl carboxylic acids	Perfluorobutanoic acid	PFBA	375-22-4
	Perfluoropentanoic acid	PFPeA	2706-90-3
	Perfluorohexanoic acid	PFHxA	307-24-4
	Perfluoroheptanoic acid	PFHpA	375-85-9
	Perfluorooctanoic acid	PFOA	335-67-1
	Perfluorononanoic acid	PFNA	375-95-1
	Perfluorodecanoic acid	PFDA	335-76-2
	Perfluoroundecanoic acid	PFUnA	2058-94-8
	Perfluorododecanoic acid	PFDoA	307-55-1
	Perfluorotridecanoic acid	PFTrDA	72629-94-8
	Perfluorotetradecanoic acid	PFTeDA	376-06-7
Per- and Polyfluoroether carboxylic acids	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5
	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6
Fluorotelomer sulfonic acids	4:2 Fluorotelomer sulfonic acid	4:2-FTS	757124-72-4
	6:2 Fluorotelomer sulfonic acid	6:2-FTS	27619-97-2
	8:2 Fluorotelomer sulfonic acid	8:2-FTS	39108-34-4
Fluorotelomer carboxylic acids	3:3 Fluorotelomer carboxylic acid	3:3 FTCA	356-02-5
	5:3 Fluorotelomer carboxylic acid	5:3 FTCA	914637-49-3
	7:3 Fluorotelomer carboxylic acid	7:3 FTCA	812-70-4
Perfluorooctane sulfonamides	Perfluorooctane sulfonamide	PFOSA	754-91-6
	N-methylperfluorooctane sulfonamide	NMeFOSA	31506-32-8
	N-ethylperfluorooctane sulfonamide	NEtFOSA	4151-50-2
Perfluorooctane sulfonamidoacetic acids	N-methylperfluorooctane sulfonamidoacetic acid	N-MeFOSAA	2355-31-9
	N-ethylperfluorooctane sulfonamidoacetic acid	N-EtFOSAA	2991-50-6
Perfluorooctane sulfonamide ethanols	N-methylperfluorooctane sulfonamidoethanol	MeFOSE	24448-09-7
	N-ethylperfluorooctane sulfonamidoethanol	EtFOSE	1691-99-2

Group	Chemical Name	Abbreviation	CAS Number
Ether sulfonic acids	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F-53B Major)	9Cl-PF3ONS	756426-58-1
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F-53B Minor)	11Cl-PF3OUdS	763051-92-9
	Perfluoro(2-ethoxyethane) sulfonic acid	PFEESA	113507-82-7

Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids

General

These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER). Data reviewers should understand the methodology and techniques utilized in the analysis. Consultation with the end user of the data may be necessary to assist in determining data usability based on the data quality objectives in the Quality Assurance Project Plan. A familiarity with the laboratory's Standard Operating Procedure may also be needed to fully evaluate the data. If you have any questions, please contact DER's Quality Assurance Officer, Dana Barbarossa, at dana.barbarossa@dec.ny.gov.

Preservation and Holding Time

Samples should be preserved with ice to a temperature of less than 6°C upon arrival at the lab. The holding time is 28 days to extraction for aqueous and solid samples. The time from extraction to analysis for aqueous samples is 28 days and 40 days for solids.

Temperature greatly exceeds 6ºC upon arrival at the lab*	Use professional judgement to qualify detects and non-detects as estimated or rejected
Holding time exceeding 28 days to extraction	Use professional judgement to qualify detects and non-detects as estimated or rejected if holding time is grossly exceeded

*Samples that are delivered to the lab immediately after sampling may not meet the thermal preservation guidelines. Samples are considered acceptable if they arrive on ice or an attempt to chill the samples is observed.

Initial Calibration

The initial calibration should contain a minimum of six standards for linear fit and six standards for a quadratic fit. The relative standard deviation (RSD) for a quadratic fit calibration should be less than 20%.

The low-level calibration standard should be within 50% - 150% of the true value, and the mid-level calibration standard within 70% - 130% of the true value.

%RSD >20%	J flag detects and UJ non detects

Continuing Calibration Verification

Continuing calibration verification (CCV) checks should be analyzed at a frequency of one per ten field samples. If CCV recovery is very low, where detection of the analyte could be in question, ensure a low level CCV was analyzed and use to determine data quality.

CCV recovery <70 or >130%	J flag results

Blanks

There should be no detections in the method blanks above the reporting limits. Equipment blanks, field blanks, rinse blanks etc. should be evaluated in the same manner as method blanks. Use the most contaminated blank to evaluate the sample results.

Blank Result	Sample Result	Qualification
Any detection	<Reporting limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting limit	>Reporting limit and <10x blank result	J+ biased high

Field Duplicates

A blind field duplicate should be collected at rate of one per twenty samples. The relative percent difference (RPD) should be less than 30% for analyte concentrations greater than two times the reporting limit. Use the higher result for final reporting.

RPD >30%	Apply J qualifier to parent sample

Lab Control Spike

Lab control spikes should be analyzed with each extraction batch or one for every twenty samples. In the absence of lab derived criteria, use 70% - 130% recovery criteria to evaluate the data.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects

Matrix Spike/Matrix Spike Duplicate

One matrix spike and matrix spike duplicate should be collected at a rate of one per twenty samples. Use professional judgement to reject results based on out of control MS/MSD recoveries.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only
RPD >30%	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only

Extracted Internal Standards (Isotope Dilution Analytes)

Problematic analytes (e.g. PFBA, PFPeA, fluorotelomer sulfonates) can have wider recoveries without qualification. Qualify corresponding native compounds with a J flag if outside of the range.

Recovery <50% or >150%	Apply J qualifier
Recovery <25% or >150% for poor responding analytes	Apply J qualifier
Isotope Dilution Analyte (IDA) Recovery <10%	Reject results

Signal to Noise Ratio

The signal to noise ratio for the quantifier ion should be at least 3:1. If the ratio is less than 3:1, the peak is discernable from the baseline noise and symmetrical, the result can be reported. If the peak appears to be baseline noise and/or the shape is irregular, qualify the result as tentatively identified.

Reporting Limits

If project-specific reporting limits were not met, please indicate that in the report along with the reason (e.g. over dilution, dilution for non-target analytes, high sediment in aqueous samples).

Peak Integrations

Target analyte peaks should be integrated properly and consistently when compared to standards. Ensure branched isomer peaks are included for PFAS where standards are available. Inconsistencies should be brought to the attention of the laboratory or identified in the data review summary report.

Appendix K

Site Management Forms

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

WEATHER DETAILS			
Weather Conditions:			
High Temperature:		**AM Wind Sp. / Dir:**	
Low Temperature:		**PM Wind Sp. / Dir:**	

C&S Personnel	On-Site	Off-Site	Total Hours

Contractors	On-Site	Off-Site	Purpose

Equipment	Hours Used	Specifications	Purpose

DAILY WORK DESCRIPTION

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

CAMP DETAILS

Check box if CAMP monitoring was conducted:			☐		
Start (hh:mm):		**Stop (hh:mm):**			
Check box if CAMP equipment was calibrated:			☐		
UW C&S SYR #:		**DW1 C&S SYR #:**		**DW2 C&S SYR #:**	
UW DUST ID:		**DW1 DUST ID:**		**DW2 DUST ID:**	
UW PID ID:		**DW1 PID ID:**		**DW2 PID ID:**	
Type of soil intrusive work:					
Check box if visible dust was observed leaving the Site:				☐	
Check box if there were exceedances of the CAMP PM-10 action levels:				☐	
Check box if there were exceedances of the CAMP VOC action levels:				☐	

Explain any exceedances and suppression methods implemented:

WORK AREA / CAMP STATION LOCATION SKETCH

Drawing Notes / Sketch Key:

Upwind Station	Downwind Station	Wind Direction	Intrusive Work Area
⊗	⊗	→	▭

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

SITE / CAMP PHOTOLOG

Site conditions before starting work	**Site conditions before starting work**
Site conditions after completing work	**Site conditions after completing work**

Photo Notes:

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

TRUCK EXPORT LOG (SOLIDS)

Truck ID / Manifest No.	Time On-Site	Time Off-Site	Material Type	Destination	Export Weight (tons)

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

TRUCK EXPORT LOG (LIQUIDS)

Truck ID / Manifest No.	Time On-Site	Time Off-Site	Material Type	Destination	Export Volume (gallons)

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

TRUCK IMPORT LOG

Truck ID / Manifest No.	Time On-Site	Time Off-Site	Material Type	Origin	Import Weight (tons)

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

DAILY SAMPLING LOG

Sample ID	Time	PID	Sample Type	Depth	QA / QC

Prior to cover system placement or remedial excavation backfilling ensure that survey data is collected, demarcation barrier is installed, and confirmatory soil samples have been collected.

Confirmed?	☐

Sampling Notes:

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

GREEN REMEDIATION TRACKING

Personnel Transportation

Personnel	Company	Vehicle Type	Fuel Type	Round Trip (mi)	No. Trips

Equipment Transportation (do not include if equipment was staged on-site)

Equipment	Company	Vehicle Type	Fuel Type	Round Trip (mi)	No. Trips

On-Site Equipment Emissions

Equipment Type	Fuel Type	Hours of Use	Time of Idling

On-Site VOC Emissions

Remediation System	Hours of Use	Flow Rate (cfm)	VOC Concentration (ug/m3)	VOC Discharge Rate (lbs/hour)	Total VOCs (lbs)

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

Total Waste Generated On-Site

Type of Material	Origin	Total Quantity (tons)	Exported?	On Truck Log?	Reused?

Solid Waste Reuse (Populates based on above - add reuse location)

Type of Material	Origin	Total Quantity (tons)	Reuse Location

Solid Waste Disposal (Populates based on above - add disposal details if not on truck log)

Type of Material	Origin	Total Quantity (tons)	On Truck Log?	Disposal Details (if not on Truck Log)

Imported Material Totals (Populates based on truck logs - add additional materials as needed)

Type of Material	Origin	Total Quantity (tons)	On Truck Log?	Import Details (if not on Truck Log)

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

Recycled / Bio-Based Products

Type of Material	Origin	$ Value	% Recycled Content	% Bio-Based Content

Energy Usage

Equipment Type	KWh	Hours Used	Provider
Total Electricity Usage:	**0**		

Water Usage (check water meter if available)

Water Type	Gallons	Reason for Use	Provider
Total Water Usage:	**0**		

Land / Ecosystem Tracking

Land Disturbance Type	Total Area	Land Restored Type	COC Type

Additional Comments:

DAILY WORK REPORT

Project Number:		**Project Name:**	
Client:		**Address:**	
Date:		**Start / Stop Time:**	

ESTIMATED PROJECT SCHEDULE		
Work To Be Completed	**Start Date**	**Finish Date**

SCHEDULE CHANGES		
Schedule Change and Reason for Revision	**Revised Start**	**Revised Finish**

COVER SYSTEM
ANNUAL INSPECTION CHECKLIST

Owner Name: 1153 Owner LLC
Site Name: 1153-69 West Fayette Street BCP Site (C734164)
Address: 1153-69 West Fayette Street, Syracuse, NY
Inspection Date / Time:
Inspector Name:
Inspector Company:
Weather:

Section	Inspection Item	Yes	No	N/A
Pre-Inspection	Maintenance personnel interviewed	☐	☐	☐
	Previous annual inspection forms reviewed	☐	☐	☐
	Comments / concerns regarding cover system over the past year	☐	☐	☐
	Any changes in the Site's physical characteristics over the past year	☐	☐	☐
	Any changes in the Site's operation / use over the past year	☐	☐	☐
	Any excavation or disturbance activities over the past year	☐	☐	☐
Building Inspection	Building modifications over the past year	☐	☐	☐
	New slab cracks or settlement in the floors	☐	☐	☐
	New sumps, drains, or preferential pathways observed	☐	☐	☐
	Building use consistent with conditions evaluated in during the last inspection	☐	☐	☐
Exterior Inspection	Signs of significant cracks, settlement or deterioration of impervious areas	☐	☐	☐
	Has any of the impervious material been removed	☐	☐	☐
	Have any structures been constructed on the pervious areas	☐	☐	☐
	Are there any signs of soil washing or erosion out onto impervious areas	☐	☐	☐
	Are there any signs of erosion, settlement, or deterioration of pervious areas	☐	☐	☐
	Are there any signs of intrusive activites (drilling, trenching, grading, etc.)	☐	☐	☐
Comments				

Section	Inspection Summary	Yes	No	N/A
Summary	Cover system operating as intended at time of inspection	☐	☐	☐
	Minor issues identified that do not affect cover system performance	☐	☐	☐
	Corrective actions required	☐	☐	☐
Required Corrective Actions				
Comments				
Inspector Signature:		Date:		

SUB-SLAB DEPRESSURIZATION SYSTEM
ANNUAL O&M INSPECTION CHECKLIST

Owner Name: 1153 Owner LLC
Site Name: 1153-69 West Fayette Street BCP Site (C734164)
Address: 1153-69 West Fayette Street, Syracuse, NY
Inspection Date / Time:
Inspector Name:
Inspector Company:
Weather:

Section	Inspection Item	Yes	No	N/A
System Operation	Fan operating continuously at time of inspection	☐	☐	☐
	Fan airflow direction correct	☐	☐	☐
	Excessive noise observed	☐	☐	☐
	Excessive vibration observed	☐	☐	☐
	Fan housing secure and in good condition	☐	☐	☐
	System operating under normal conditions	☐	☐	☐
	Extra mitigation fan in inventory	☐	☐	☐
Monitoring and Alarms	Manometer installed in a visible and accessible location	☐	☐	☐
	Manometer tubing intact and properly connected	☐	☐	☐
	Manometer reading indicates negative pressure beneath the slab	☐	☐	☐
	Manometer reading within normal operating range	☐	☐	☐
	Audible and/or visual alarm present	☐	☐	☐
	Alarm tested during inspection	☐	☐	☐
	Alarm functioning properly	☐	☐	☐
Manometer Readings:				
Piping and Seals	SSDS piping intact with no visible cracks, gaps, or damage	☐	☐	☐
	Pipe joints properly sealed and supported	☐	☐	☐
	Penetrations through slab or foundation remain sealed	☐	☐	☐
	Utility penetrations sealed where accessible	☐	☐	☐
	Evidence of air leakage observed	☐	☐	☐
Exhaust	Exhaust discharge point unobstructed	☐	☐	☐
	Exhaust piping securely attached and intact	☐	☐	☐
	Exhaust termination maintains required clearances from:			
	Windows	☐	☐	☐
	Doors	☐	☐	☐
	Air intakes	☐	☐	☐
	Adjacent structures	☐	☐	☐
	Evidence of re-entrainment pathways	☐	☐	☐
Electrical	Electrical connections intact and secure	☐	☐	☐
	Electrical conduit and wiring in good condition	☐	☐	☐
	Disconnect switch accessible and functional	☐	☐	☐
	Visible electrical deficiencies observed	☐	☐	☐
Labeling, Signage, and Owner Information	System piping labeled “Sub-Slab Depressurization System”	☐	☐	☐
	Fan labeled “Do Not Shut Off”	☐	☐	☐
	System purpose signage present and legible	☐	☐	☐
	Emergency contact information posted, if required	☐	☐	☐

SUB-SLAB DEPRESSURIZATION SYSTEM
ANNUAL O&M INSPECTION CHECKLIST

Section	Inspection Item	Yes	No	N/A
Building and Site Conditions	Building modifications since last inspection that could impact performance	☐	☐	☐
	New slab cracks observed that could affect vapor intrusion pathways	☐	☐	☐
	New sumps, drains, or preferential pathways observed	☐	☐	☐
	Building use consistent with conditions evaluated in SVI assessment	☐	☐	☐
Maintenance and Repairs	Maintenance activities since last inspection reviewed	☐	☐	☐
	Repairs required since last inspection documented	☐	☐	☐
	Repairs completed, if applicable	☐	☐	☐
	System continues to operate as intended	☐	☐	☐
Comments				

Section	Maintenance Personnel Interview	Yes	No	N/A
Interview	Maintenance personnel interviewed	☐	☐	☐
	Quarterly inspection forms reviewed	☐	☐	☐
	Annual inspection forms reviewed	☐	☐	☐
	Deficiencies noted on quarterly or annual inspection forms	☐	☐	☐
	Corrective actions required	☐	☐	☐
Required Corrective Actions				
Comments				

Section	Inspection Summary	Yes	No	N/A
Summary	System operating as intended at time of inspection	☐	☐	☐
	Minor issues identified that do not affect system performance	☐	☐	☐
	Corrective actions required	☐	☐	☐
Required Corrective Actions				
Inspector Signature:		Date:		

SUB-SLAB DEPRESSURIZATION SYSTEM
QUARTERLY O&M INSPECTION CHECKLIST

Owner Name: 1153 Owner LLC
Site Name: 1153-69 West Fayette Street BCP Site (C734164)
Address: 1153-69 West Fayette Street, Syracuse, NY
Inspection Date / Time:
Inspector Name:
Inspector Company:
Weather:

Section	Inspection Item	Yes	No	N/A
System Operation	Fan operating continuously at time of inspection	☐	☐	☐
	Excessive noise observed	☐	☐	☐
	Excessive vibration observed	☐	☐	☐
	Fan housing secure and in good condition	☐	☐	☐
	System operating under normal conditions	☐	☐	☐
	Extra mitigation fan in inventory	☐	☐	☐
Monitoring and Alarms	Manometer installed in a visible and accessible location	☐	☐	☐
	Manometer reading indicates negative pressure beneath the slab	☐	☐	☐
	Manometer reading within normal operating range	☐	☐	☐
	Audible and/or visual alarm present	☐	☐	☐
	Alarm tested during inspection	☐	☐	☐
	Alarm functioning properly	☐	☐	☐
Manometer Readings:				
Piping and Seals	Pipe joints properly sealed and supported	☐	☐	☐
	Penetrations through slab or foundation remain sealed	☐	☐	☐
	Evidence of air leakage observed	☐	☐	☐
Exhaust	Exhaust discharge point unobstructed	☐	☐	☐
	Exhaust piping securely attached and intact	☐	☐	☐
Maintenance and Repairs	Maintenance activities since last inspection reviewed	☐	☐	☐
	Repairs required since last inspection documented	☐	☐	☐
	Repairs completed, if applicable	☐	☐	☐
	System continues to operate as intended	☐	☐	☐
Comments				

Section	Inspection Summary	Yes	No	N/A
Summary	System operating as intended at time of inspection	☐	☐	☐
	Minor issues identified that do not affect system performance	☐	☐	☐
	Corrective actions required	☐	☐	☐
Required Corrective Actions				
Inspector Signature:		Date:		

Summary of Green Remediation Metrics for Site Management

Site Name: _____ Site Code: _____
Address: _____ City: _____
State: _____ Zip Code: _____ County: _____

Initial Report Period (Start Date of period covered by the Initial Report submittal)
Start Date: _____

Current Reporting Period
Reporting Period From: _____ To: _____

Contact Information
Preparer's Name: _____ Phone No.: _____
Preparer's Affiliation: _____

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	**Total to Date**
Fuel Type 1 (e.g. natural gas (cf))		
Fuel Type 2 (e.g. fuel oil, propane (gals))		
Electricity (kWh)		
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)		
Other energy sources (e.g. geothermal, solar thermal (Btu))		

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	**Total to Date (tons)**
Total waste generated on-site		
OM&M generated waste		
Of that total amount, provide quantity:		
Transported off-site to landfills		
Transported off-site to other disposal facilities		
Transported off-site for recycling/reuse		
Reused on-site		

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	**Total to Date (miles)**
Standby Engineer/Contractor		
Laboratory Courier/Delivery Service		
Waste Removal/Hauling		

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	**Total to Date (gallons)**
Total quantity of water used on-site		
Of that total amount, provide quantity:		
Public potable water supply usage		
Surface water usage		
On-site groundwater usage		
Collected or diverted storm water usage		

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	**Total to Date (acres)**
Land disturbed		
Land restored		

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage:
Waste Generation:
Transportation/Shipping:
Water usage:
Land Use and Ecosystems:
Other:

CERTIFICATION BY CONTRACTOR
I, _____ (**Name**) do hereby certify that I am _____ (**Title**) of the Company/Corporation herein referenced and contractor for the work described in the foregoing application for payment. According to my knowledge and belief, all items and amounts shown on the face of this application for payment are correct, all work has been performed and/or materials supplied, the foregoing is a true and correct statement of the contract account up to and including that last day of the period covered by this application. _____ **Date** **Contractor**

Appendix L

SSD System Operation, Maintenance, and Monitoring Manual

Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Manual

1153-69 West Fayette Street BCP Site

1153-69 West Fayette Street
City of Syracuse, Onondaga County, New York
BCP Site No. C734164

Prepared for:

1153 Owner LLC
PO Box 515
Syracuse, New York 13205

Prepared by:

C&S Engineers
499 Colonel Eileen Collins Blvd.
Syracuse, New York 13212

June 2026

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Attachments

Attachment A – SSD System As-Built Drawing Set
Attachment B – Inspection Forms
Attachment C – RadonAway Fan Installation Instructions

1.0 Introduction and Background

The property located at 1153-69 West Fayette Street in the City of Syracuse, Onondaga County, New York (Site) is a New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site. Implementation of this Operation, Maintenance and Monitoring (OM&M) Manual is mandatory as long as contaminants pose a threat to soil vapor intrusion. The system is designed to mitigate volatile organic vapors.

The Site consists of an 85,800 square foot, six-story building (Main Building) with an adjoining 6,800 square foot single-story building addition (Annex), and an adjoining 9,300 square foot single-story building addition (Barn). There is a large parking lot to the east, a small parking lot to the west, and limited green space along the western and southern boundaries. The original buildings were constructed around 1920 and a single-story addition was constructed sometime between 1956 and 1960. The buildings were in poor condition for many years but recently underwent historic rehabilitation. The six-story Main Building has a crawl space foundation while the single-story Annex and Barn are slab-on-grade construction. The renovated building will serve as the new Syracuse Public Safety Building (PSB). The redeveloped Site will be a mix of office space, training space, storage space, and public engagement areas.

C&S Engineers, Inc. (C&S) performed a Remedial Investigation (RI) of the Site between 2024 and 2025. During the RI, three sub-slab soil vapor samples, two crawl space air samples, five indoor air samples, seven soil vapor samples, and one outdoor air sample were collected. Comparison of the data to the New York State Department of Health (NYSDOH) decision matrices indicated that no further action was necessary regarding vapor intrusion with the exception of carbon tetrachloride in the northwestern portion of the single-story building. As a result, an additional assessment was conducted using passive soil gas samplers to identify the source of carbon tetrachloride in soil vapor and delineate the extent of impacts. Fifteen additional sub-slab soil vapor samples were collected as a part of this assessment.

The results of the initial and additional soil vapor intrusion (SVI) assessment indicated that concentrations of carbon tetrachloride in sub-slab vapor in this area ranged from 82.6 to 2230 micrograms per cubic meter ($\mu g/m^3$), with the highest concentration occurring at PSG-104. The accompanying indoor air sample from this area had a carbon tetrachloride concentration of 0.472 $\mu g/m^3$, which was comparable to other indoor air locations and the ambient air sample. The impacts appeared to be limited to an approximate 500 square foot area.

Carbon tetrachloride was not identified in nearby sub-surface soil or groundwater. SB-105 was advanced approximately four feet southwest of PSG-104 and carbon tetrachloride was not detected in the HFM or native soil sample. This indicated that the impacts were limited to soil vapor. To remediate the soil vapor carbon tetrachloride impacts observed during the RI, an interim remedial measure (IRM) was proposed to NYSDEC which included the installation and operation of a soil vapor extraction (SVE) system. The SVE system was installed between July 10 and 11, 2025.

The SVE system was operational from July to September 2025. While significant reductions in carbon tetrachloride concentrations were observed, sub-slab concentrations did not remain below 6 µg/m^3 for three consecutive sampling events, as required by the IRM Work Plan. Due to building occupancy constraints and construction timelines, the IRM was terminated, and a long-term sub-slab depressurization (SSD) system was installed in the Annex as part of the final Site remedy.

Following installation and activation of the SSD system, C&S collected indoor air samples from the Annex. During the same sampling event, C&S conducted a soil vapor intrusion (SVI) assessment in the adjoining Main Building and Barn. This pre-occupancy sampling was performed consistent with NYSDOH guidelines; during the heating season, when HVAC systems were fully functional, and when the building envelope was complete.

The analytical data indicated that indoor air quality was not adversely impacted and that no significant SVI condition was present at the time of sampling. No detected indoor air concentrations exceeded applicable NYSDOH AGVs and carbon tetrachloride concentrations across the Main Building, Annex, and Barn were below 1 µg/m^3, consistent with typical background levels identified by NYSDOH and comparable to outdoor air concentrations. Application of the NYSDOH Soil Vapor Intrusion Decision Matrices to co-located sample pairs in the Barn and Main Building indicated that no locations meet criteria for mitigation, with all VOCs categorized as "No Further Action" or "Identify source(s) and resample." Elevated cyclohexane and isooctane were detected in select indoor air samples (IA-204 and IA-209) but were not consistent with an SVI pattern and instead suggested indoor sources, likely related to recent construction activities, use of petroleum-based products, and prior storage or operation of gasoline-powered equipment.

The sampling results were provided to NYSDEC and NYSDOH under a separate cover, *Soil Vapor Intrusion Assessment Report, February 2026*.

This document establishes provisions for routine maintenance and periodic monitoring of the SSD system, with the intent of ensuring proper and continuous operation and maintenance of the system.

This Manual has been prepared to identify the nature and configuration of the system, identify parties responsible for the implementation of this Manual, provide contact information for occupants in the case of an issue with the system, establish a schedule for periodic inspection of the system components, and to compile copies of pertinent information, including product manuals and system as-built drawings, for future reference.

A copy of this Manual should be maintained on site and in the property manager's offices. Original inspection forms should be maintained at the office of the owner, 1153 Owner LLC.

2.0 Nature of Sub-Slab Depressurization System

A description of the SSD system in the Annex is as follows:

- The system was designed to maintain adequate negative pressure beneath all areas of the Annex to prevent SVI.

- Two sub-slab perforated pipe networks were installed across the Annex. Each network was installed by excavating trenches, placing perforated piping within the trenches, and backfilling the trenches with coarse stone to enhance communication across the slab. The top of the trenches were sealed with concrete.

- Each sub-slab perforated piping network was connected to a riser that penetrated the exterior Annex wall. Appropriately sized fans were mounted on the riser pipe outside of the Annex wall and discharge air vertically above the roof line.

- Discharge points are located at least 20 feet away from air intakes or other openings to the building (e.g. doors and windows). No new air intakes or building envelope openings shall be created within 20 feet of the discharge points.

- All foundation and exterior wall penetrations were sealed in an air-tight manner. The Annex slab was finished with gypcrete to seal any floor cracks or penetrations.

- Manometers and alarms were installed on each riser to monitor pressure differential and system status.

- Within one week of system activation, C&S performed PFE testing to verify a negative pressure of at least 0.004 inches of water column (inWC) below the building footprint, compared to the pressure above the slab. Based on the results of the PFE testing, the SSD system is functioning adequately.

As-built drawings, signed and sealed by a Professional Engineer (PE) who is licensed and registered in New York State, are provided in **Attachment A**.

3.0 Operation, Maintenance and Monitoring of Mitigation System

The systems are constructed to operate continuously with minimal maintenance required. The systems are constructed of glued-joint Schedule 40 PVC piping, other than where flexible rubber fittings exists to connect the fan unit to the piping. The glued-joint PVC piping minimizes the potential for air leakage, and the flexible rubber fan connections minimize vibration in the system and provide for easy fan replacement in the event of failure. Each vertical extraction point is equipped with a manometer, to ensure the systems are operating through easy visual observation.

OM&M activities for the system shall include a combination of routine checks of the system for evidence of improper operation or failure; maintenance / repair / replacement of system components in the event of failure, wear, cracking, air leakage or other deficiency; and comprehensive annual inspection and testing, as detailed below.

3.1. Routine Operation Monitoring

The following routine system monitoring shall be performed and documented by facility management and maintenance staff ***on a quarterly basis.*** It is remedial party / owner's responsibility to ensure that quarterly inspections are conducted and documented.

- Inspect the manometer associated with each extraction point (2 total, located on vertical riser pipes), to visually confirm that the system is maintaining a negative air pressure within the sub-floor space. The manometer should indicate a variance in liquid level between the two legs of the manometer. Ensure the manometer is within normal operating range and is less than the maximum recommended operating pressure.

- Inspect the fan units and associated piping for excessive vibration or noise, air leakage, cracks, weathering of flexible connectors, discoloration or heat damage, excessive condensation, or loss of fan operation. Ensure that the fans are running. There should be a consistent, low humming of the fan motor. There should be no high-pitched noise or vibration. The fan housing should not be hot to the touch. If these conditions are encountered, the fan should be replaced.

- Confirm the alarm device is functioning properly (located on each vertical riser pipe). Turn off the fan and ensure the alarm sounds. Once confirmed, turn the fan back on and ensure the alarm is resolved.

- Inspect all accessible PVC connections and foundation penetrations to ensure they are tight and leak free. Ensure there are no significant foundation penetrations since the last inspection.

- Inspect the discharge points from ground level for evidence of obstruction.

- During each inspection, complete the Quarterly Inspection Form included in **Attachment B.** Records of each quarterly inspection shall be maintained at the site by facility management until such time as the system operation may be terminated.

- Maintain an extra mitigation fan in inventory to allow rapid replacement of a fan unit in the event of failure. The manufacturer's installation instructions are included in **Attachment C**.

If system deficiencies are observed or identified during routine monitoring, facility management shall immediately coordinate for appropriate and necessary repairs to occur.

3.2. Annual Inspection

The SSD system shall be completely inspected ***on an annual basis*** by a qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in NYS, or a qualified person who directly reports to a PE who is licensed and registered in NYS to confirm proper operation, to identify areas / items in need of repair or replacement, and to review facility and site conditions that could affect the operation and effectiveness of the system. It is the remedial party / owner's responsibility to ensure that annual inspections are conducted and documented. The annual inspections of the mitigation systems shall include:

- Inspect the manometer associated with each extraction point (located on vertical riser pipe), to visually confirm that the system is maintaining a negative air pressure within the sub-floor space. The manometer should indicate a variance in liquid level between the two legs of the manometer. Ensure the manometer is within normal operating range and is less than the maximum recommended operating pressure.

- Inspect the fan units and associated piping for excessive vibration or noise, air leakage, cracks, weathering of flexible connectors, excessive condensation, or loss of fan operation. Ensure that the fans are running. There should be a consistent, low humming of the fan motor. There should be no high-pitched noise or vibration. The fan housing should not be hot to the touch. If these conditions are encountered, the fan should be replaced.

- Confirm the alarm device is functioning properly (located on vertical riser pipe). Turn off the fan and ensure the alarm sounds. Once confirmed, turn the fan back on and ensure the alarm is resolved.

- Inspect all accessible PVC connections and foundation penetrations to ensure they are tight and leak free. Ensure there are no significant foundation penetrations since the last inspection.

- Inspect the discharge points from roof level for evidence of obstruction and to verify that no air intakes have been located nearby.

- Inspect the complete systems (e.g., vent fan, piping, wiring, labeling on systems, etc.) for evidence of wear, heat stress, cracks, or degradation.

- Inspect all foundation slabs and walls to which vacuum is applied for evidence of new or unsealed penetrations.

- Identify, document, and repair any leaks.

- Interview facility maintenance personnel seeking comments and observations regarding the operation of the system.

- During each inspection, complete the Annual Inspection Form included in **Attachment B.** Records of each annual inspection shall be maintained at the site by facility management until such time as the system operation may be terminated.

If system deficiencies are observed or identified during routine monitoring, facility management shall immediately coordinate for appropriate and necessary repairs to occur.

3.3. Non-Routine Maintenance

Non-routine maintenance may become necessary and appropriate to correct deficiencies or facilitate repair of the mitigation systems. Examples of such situations include the following:

- Facility maintenance staff or occupants report that the alarm system indicates the mitigation system is not operating properly;

- The mitigation system or its alarm system becomes damaged;

- The foundation of the facility develops cracks or other avenues for short-circuiting of the sub-slab negative pressure field;

- The building has undergone renovations that may reduce the effectiveness of the mitigation system;

- Changes to the facility heating, ventilation, and air conditioning units occur;

- Changes to the surrounding area occur that could present potential for additional receptors that could be affected by the system discharge/exhaust; or

- Findings of the inspections or other system evaluations indicate that the system is not operating sufficiently to mitigate potential vapor intrusion.

3.4. Termination of Mitigation System Operations

The SSD system shall remain in place and operational until it is no longer needed to address current or potential exposures related to soil vapor intrusion, and a proposal for termination has been submitted to and approved by NYSDOH and NYSDEC.

4.0 Responsibilities

4.1. Remedial Party / Owner

The remedial party / owner will be responsible for the following:

- Reviewing and becoming familiar with the contents and requirements of this Manual and the location of SSD system components;
- Advising facility maintenance personnel of the presence and purpose of the SSD system, the requirements set forth in this Manual, the requirements for and methods of inspections and related documentation, and administrative procedures to be followed in the event of needed repairs or replacement;
- Ensuring that facility maintenance staff fulfill their responsibilities outlined herein;
- Maintaining copies of this Manual, as well as any records relating to periodic inspection, sampling and analysis, system repairs, or other events relating to the operation and maintenance of the system, so that such information is readily available for reference by maintenance staff;
- Coordinating quarterly and annual inspections of the complete system, consistent with the manufacturer's recommendations and the provisions of this Manual;
- Ensuring that an extra mitigation fan remains in inventory (and is replaced in the event of use) at all times to ensure rapid replacement in the event of fan failure; and
- Informing the qualified environmental professional immediately of any deficiency or damage observed.

The remedial party / owner may coordinate with on-site facility management to ensure that the above responsibilities are met.

4.2. Facility Management and Maintenance Personnel

Facility management and maintenance personnel will be responsible for the following:

- Reviewing and becoming familiar with the contents and requirements of this Manual and the location of SSD system components;
- Performing quarterly inspections in accordance with Section 3.1;
- Advising the remedial party / owner when observations or system conditions indicate that maintenance or repair work becomes necessary, prior to undertaking such work;

- Communicating any and all observation regarding potential system deficiency, in-operation, or failure to the remedial party / owner immediately upon such discovery; and

- Ensuring that the systems do not lose power supply to the mitigation fans.

5.0 Documentation and Recordkeeping

Facility management will maintain records of all activities related to the operation, repair, maintenance, and monitoring of the SSD system until approval for termination of system operation is granted from NYSDOH and NYSDEC. Such records will include:

- This OM&M Program and any subsequent revisions and / or updates;
- Quarterly and annual inspection records;
- Maintenance and repair activity records;
- Documentation of indoor sampling events conducted at the facility (if any); and
- Correspondence or other communications relative the system.

Attachment A

SSD System As-Built Drawing Set

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

C&S COMPANIES®

CONTRACT DRAWINGS FOR THE CONSTRUCTION OF

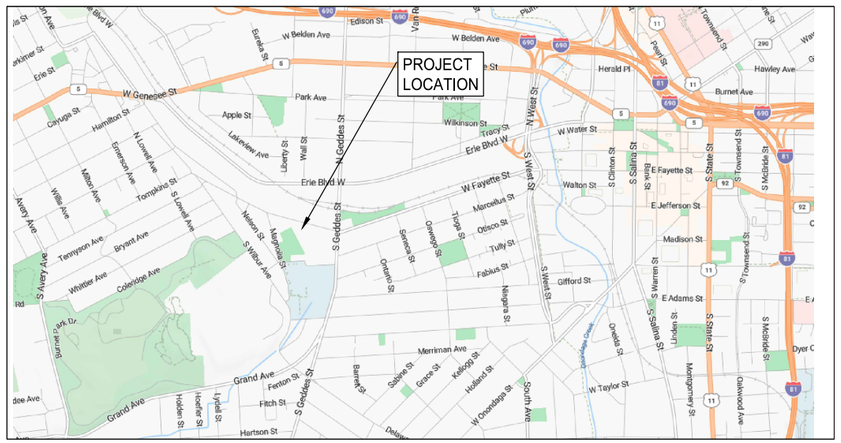
SUB-SLAB DEPRESSURIZATION SYSTEM

1153 OWNER LLC

1153-69 WEST FAYETTE STREET BCP SITE (NO. C734164)

1153-69 WEST FAYETTE STREET, SYRACUSE, NEW YORK 13204

NORTH



LOCATION MAP

DRAWING LIST	
SHEET NO.	**SHEET NAME**
G-100	TITLE SHEET
G-101	NOTE SHEET
SV-100	PRE-DESIGN INVESTIGATION - ANNEX FIRST FLOOR PLAN
SV-101	SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX FIRST FLOOR PLAN
SV-102	SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX ROOF PLAN
SV-103	POST-INSTALLATION PFE TESTING - ANNEX FIRST FLOOR PLAN
SV-104	DETAIL SHEET

C&S PROJECT: AB2.002.005

JUNE 2026

AS-BUILT DRAWING SET

C. DelFatti

NRPP ID 114118-RMS
CLAIRE DEL FATTI

STATE OF NEW YORK — NEVIN BRADFORD — 086008 — PROFESSIONAL ENGINEER

Registration Expires: 04.30.2029

NEVIN BRADFORD P.E.

TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN COMPLIANCE WITH THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE AND THE BUILDING CODE OF NEW YORK STATE

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

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GENERAL NOTES:

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR, EQUIPMENT AND MATERIALS TO COMPLETE THE SUB-SLAB TRENCHES, PIPING, MANIFOLDS, EQUIPMENT STAGING, REMEDIAL EQUIPMENT CONNECTIONS, AND CONCRETE SLAB REPAIR AND RESTORATION ACCORDING TO THE PLANS AND SPECIFICATIONS HEREIN.
2. ALL WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL STANDARDS AND REGULATIONS. IF THERE SHOULD ARISE ANY CONFLICT BETWEEN ANY NOTES AND / OR DETAILS ON THE APPROVED DRAWINGS OR SPECIFICATIONS FOR THE PROJECT, THIS NOTE WILL SUPERSEDE AND GOVERN UNLESS THERE IS A WRITTEN SIGNED DOCUMENT FROM THE ENGINEER STATING OTHERWISE.
3. EACH CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. EACH CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF EACH CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.
4. THESE DRAWINGS WERE PRODUCED FROM MAPS, DRAWINGS AND RECORDS COLLECTED FROM THE OWNER.
5. EACH CONTRACTOR WILL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, PROCEDURES OR TECHNIQUES.
6. EACH CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND GOVERNMENT FEES, LICENSES AND INSPECTIONS ASSOCIATED WITH THE IMPROVEMENTS UNDER THEIR RESPONSIBILITY.
7. ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE OWNER AND ENGINEER.
8. SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO DEWATER ACCUMULATED WATER WITHIN EXCAVATION AREAS. AREAS SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BACKFILL IS MADE IN AN AREA FREE OF STANDING WATER. THE CONTRACTOR SHALL PROPERLY CONTAINERIZE, CHARACTERIZE AND DISPOSE OF WATER IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL RULES AND REGULATIONS. THE CONTRACTOR SHALL CONSULT THE OWNER AND ENGINEER TO DETERMINE SUITABLE WATER AND SOIL CHARACTERIZATION AND DISPOSAL METHODS.
9. THESE PLANS HAVE BEEN PREPARED USING THE MOST ACCURATE INFORMATION AND DATA AVAILABLE AT THE TIME OF PREPARATION. FIELD CONDITIONS MAY BE ENCOUNTERED WHICH VARY FROM THOSE DEPICTED HEREIN. AS SUCH, THESE PLANS SHOULD BE USED AS A CONSTRUCTION CONTROL REFERENCE, NOT A PRECISE CONSTRUCTION DOCUMENT. MODIFICATIONS TO THE DESIGN AS SHOWN MAY BE REQUIRED BASED ON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. IN ANY EVENT, THE ENGINEERING OBJECTIVES OF THE DESIGN SHALL BE MET.
10. EACH CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE AND SHALL NOT TRESPASS UPON OTHER PROPERTIES OR DISRUPT THE OPERATIONS OF ADJACENT PROPERTY OWNERS WITHOUT THE WRITTEN PERMISSION OF THOSE OWNERS.
11. HORIZONTAL AND VERTICAL CONTROL WILL BE ESTABLISHED BY EACH CONTRACTOR FOR THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SURVEYS TO COMPLETE THE PROJECT INCLUDING REESTABLISHMENT OF CONTROL POINTS AND PROJECT LAYOUT.
12. FLOW IN EXISTING STORM AND SANITARY SEWERS SHALL BE MAINTAINED AT ALL TIMES DURING EXECUTION OF THE WORK FOR THIS PROJECT. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SEWERS RESULTING FROM THEIR OPERATIONS OR NEGLIGENCE.
13. SUITABLE BACKFILL MATERIALS MAY BE STOCKPILED ON-SITE BUT MUST BE POSITIONED SO AS NOT TO COMINGLE WITH EXCAVATED SOILS.
14. THE TRACKING OR SPILLAGE OF MUD, DIRT, CONCRETE, OR DEBRIS UPON STATE, COUNTY, TOWNSHIP, PRIVATE, OR CITY STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.
15. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT THE ENTIRE SITE. SAW-CUTTING SHALL BE PERFORMED USING A WET SAW TO MINIMIZE DUST.
16. EACH CONTRACTOR SHALL MAINTAIN WORK AREA FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION. CONTRACTOR IS RESPONSIBLE FOR COLLECTING AND REMOVING WASTE MATERIALS, DEBRIS AND RUBBISH FROM THE SITE AND DISPOSING OF OFF-SITE.
17. FACILITY INTERIOR WORK AREAS MUST BE LEFT FREE OF DEBRIS AND MATERIALS AT THE COMPLETION OF EACH WORK PERIOD. ANY FLOOR SPACE AND / OR EQUIPMENT WITHIN THE WORK AREA AND IMMEDIATE VICINITY MUST BE MOPPED AND WIPED CLEAN OF DIRT, MUD, DEBRIS AND DUST PRIOR TO COMPLETION OF WORK.
18. MAINTAIN DRIVEWAYS AND PEDESTRIAN ACCESS IN A SAFE AND CLEAN CONDITION. COOPERATE WITH THE OWNER IN EVERY WAY PRACTICAL IN ORDER TO MINIMIZE DISRUPTION TO THEIR OPERATIONS.
19. EACH CONTRACTOR SHALL REPAIR AND REPLACE ANY AND ALL EXISTING EQUIPMENT, SITE FEATURES OR WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS PROJECT AT HIS OWN EXPENSE. ALL SAID WORK SHALL BE TO THE SATISFACTION OF THE OWNER.
20. PRESSURE FIELD EXTENSION (PFE) TESTING WILL BE COMPLETED WITHIN ONE WEEK OF SYSTEM OPERATION AND RESULTS WILL BE SUBMITTED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AND THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) FOR APPROVAL. PLEASE REFER TO SV-103 FOR ADDITIONAL DETAILS.

HEALTH AND SAFETY:

1. EACH CONTRACTOR SHALL COMPLY WITH 40 CFR 1910.120 (OSHA HAZWOPER).
2. EACH CONTRACTOR SHALL COMPLY WITH BASIC PROVISIONS OF OSHA HEALTH AND SAFETY STANDARDS 29 CFR 1910 AND GENERAL CONSTRUCTION STANDARDS 29 CFR 1926, AS APPROPRIATE TO THIS CONSTRUCTION AND SITE ACTIVITY.
3. EACH CONTRACTOR SHALL ADHERE TO OSHA EXCAVATION REGULATIONS 29 CFR SECTIONS 1926.650, 1926.651, AND 1926.652.
4. EACH CONTRACTOR SHALL ENSURE THAT ALL PERSONNEL ON SITE AND ALL ACTIVITIES CONTAINED THEREIN COMPLY WITH APPLICABLE LAWS AND REGULATIONS OF THE PUBLIC BODY HAVING JURISDICTION FOR SAFETY OF PERSONS OR PROPERTY.
5. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION AND ENFORCEMENT OF THEIR HEALTH AND SAFETY PLAN, AND TAKE THE NECESSARY PRECAUTIONS AND PROVIDE PROTECTION FOR:
   a. PERSONNEL WORKING ON OR VISITING THE PROJECT SITE (IRRESPECTIVE OF EMPLOYED BY THE CONTRACTOR);
   b. WORK MATERIAL(S) TO BE INCORPORATED INTO THE WORK AREA ON OR OFF SITE;
   c. OTHER PROPERTY AT OR ADJACENT TO THE PROJECT SITE; AND
   d. MEMBERS OF THE PUBLIC POTENTIALLY EXPOSED TO JOB RELATED ACTIVITY.

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

UTILITIES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECTS ON THE PROPOSED CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY THE U DIG NY AT LEAST 7 DAYS PRIOR TO THE START OF CONSTRUCTION.
3. WHERE POTENTIAL CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONSULT THE ENGINEER TO DETERMINE THE EXACT UTILITY LOCATION AND MAKE ANY NECESSARY ADJUSTMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXERCISING REASONABLE CARE IN OPERATING EQUIPMENT IN THE VICINITY OF UTILITIES, WHETHER OVERHEAD, AT GROUND LEVEL, OR BURIED, AND SHALL SAVE AND HOLD HARMLESS C&S ENGINEERS, INC., THE OWNER AND ANY OF THEIR DESIGNATED AGENTS FROM AND AGAINST ANY AND ALL CLAIMS AND DAMAGES OF ANY KIND OF INJURY TO, OR DEATH TO, ANY PERSON OR PERSONS AND FROM DAMAGE TO OR LOSS OF PROPERTY, ARISING OUT OF, OR ATTRIBUTED TO THE NEGLIGENCE OF CONTRACTOR'S OPERATIONS.

TRENCHING:

1. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE TRENCHES AND SHOULD SHORE, SLOPE OR BENCH THE SIDES OF TRENCHES AS REQUIRED TO MAINTAIN STABILITY OF BOTH EXCAVATION SIDES AND BOTTOM. ALL EXCAVATIONS SHOULD COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS INCLUDING THE CURRENT OSHA EXCAVATION AND TRENCH SAFETY STANDARDS (29 CFR PART 1926).
2. EXACT LOCATIONS OF TRENCHES SHALL BE COORDINATED IN THE FIELD. INTENDED LOCATIONS ARE SHOWN ON THE MITIGATION SYSTEM FLOOR PLANS.
3. TRENCHES SHALL BE EXCAVATED TO A DEPTH AND WIDTH THAT ALLOWS FOR A MINIMUM 2-INCHES OF BACKFILL AROUND ALL SIDES OF THE PERFORATED PIPE.
4. ALL TRENCHES SHALL BE SECURELY PLATED DURING NON-WORKING HOURS.

PIPING:

1. SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM PIPING AND FITTINGS SHALL CONFORM TO THE FOLLOWING, EXCEPT WHERE OTHERWISE NOTED:
   a. PIPING SHALL BE THE SIZE INDICATED ON THE PLANS AND BE SCHEDULE 40 POLYVINYL CHLORIDE (PVC) PRESSURE PIPE MADE FROM CLASS 12454 MATERIALS IN ACCORDANCE WITH ASTM D1784, UNLESS NOTED OTHERWISE. PIPE DIMENSIONS SHALL CONFORM TO ASTM D1785.
   b. PERFORATED PIPE SHALL BE THE SIZE INDICATED ON THE PLANS AND SHALL PROVIDE NO LESS THAN 1.0 IN^2/FT OF UNOBSTRUCTED INLET OPENINGS TO AGGREGATE IN A CONTINOUS MANNER ACROSS THE LENGTH OF THE PERFORATED PIPE.
   c. PVC FITTINGS SHALL BE SCHEDULE 40 PVC SOCKET STYLE IN ACCORDANCE WITH ASTM D1784.
   d. FANS SHALL BE INSTALLED WITH FLEXIBLE CONNECTORS. ALL OTHER PVC PIPE SHALL BE SOLVENT WELDED USING LOW VOC PRIMER AND LOW VOC PVC CEMENT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
2. THE CONTRACTOR SHALL COORDINATE ALL SSD SYSTEM PIPING ROUTES WITH ALL GENERAL, MECHANICAL, ELECTRICAL & PLUMBING WORK. NO ELBOWS SHALL BE ADDED WITHOUT THE APPROVAL OF THE OWNER AND ENGINEER.
3. VERTICAL PIPES SHALL BE SUPPORTED AND SECURED AT LEAST EVERY 10 FEET AND 1 FOOT ABOVE AND BELOW THE MITIGATION FANS. HORIZONTAL PIPES SHALL BE SUPPORTED AND SECURED AT LEAST EVERY 4 FEET.
4. HORIZONTAL PIPES SHALL BE SLOPED TO PROMOTE DRAINAGE OF CONDENSATION / WATER DOWNWARD TO EXTRACTION POINT.
5. ALL FASTENERS USED IN OUTDOOR APPLICATIONS SHALL BE MADE OF HOT-DIPPED GALVANIZED STEEL OR AN EQUIVALENT WEATHER-RATED MATERIAL.
6. ALL ABOVE-GROUND DUCT PIPING SHALL HAVE A CONTINUOUS DOWNWARD SLOPE TOWARD THE SUCTION POINT OF NOT LESS THAN 1/8 INCH PER FOOT TO ALLOW CONDENSATION OR RAINWATER WITHIN THE PIPES TO DRAIN DOWNWARD INTO THE GROUND BELOW THE SLAB.
7. EXHAUST PIPES SHALL EXTEND VERTICALLY A MINIMUM OF 18 INCHES ABOVE THE ROOF EDGE. EXHAUST POINTS SHALL BE AT LEAST 4 FEET ABOVE OR 20 FEET HORIZONTALLY AWAY FROM ANY OPERABLE WINDOW, DOOR, AIR INTAKES, OR OTHER OPENING INTO CONDITIONED / OCCUPIED BUILDING SPACE AND 20 FEET OR MORE AWAY FROM SIMILAR OPENINGS OF ADJACENT BUILDINGS.
8. THE EXHAUST POINT SHALL BE DIRECTED VERTICALLY UPWARD ABOVE THE ROOF AND FITTED WITH A 1/4-INCH MESH BIRD SCREEN THAT DOES NOT IMPEDE THE VERTICAL EXHAUST TRAJECTORY. THE BIRD SCREEN SHALL BE RADON AWAY PIPE GUARD FOR 4" SCHEDULE 40 OR AN ENGINEER APPROVED EQUIVALENT.

BACKFILL:

1. A MINIMUM OF 2-INCHES OF BACKFILL SHALL BE PLACED AROUND ALL SIDES OF THE PERFORATED PIPE WITHIN THE TRENCH.
2. ALL BACKFILL MATERIAL WILL BE APPROVED BY NYSDEC PRIOR TO IMPORT. A "REQUEST TO IMPORT/REUSE FILL MATERIAL" FORM WILL BE FILED WITH THE NYSDEC PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO IMPORT TO THE SITE."
3. BEDDING MATERIAL AND TRENCH BACKFILL MATERIAL SHALL BE WASHED CLEAN COARSE STONE OF ONE OF THE FOLLOWING SIZES.

BACKFILL MATERIAL FOR THIS PROJECT CONSISTED OF NO. 57 STONE APPROVED FOR IMPORT BY NYSDEC ON OCTOBER 20, 2025.

ASTM Aggregate Size	Sieve Size	Percent Passing
5	1 ½" (37.5 mm)	100
	1" (25 mm)	90-100
	¾" (19 mm)	20-55
	½" (12.5 mm)	1-10
	3/8" (9.5 mm)	0-5
56	1 ½" (37.5 mm)	100
	1" (25 mm)	90-100
	¾" (19 mm)	40-85
	½" (12.5 mm)	10-40
	3/8" (9.5 mm)	0-15
	#4 (4.75 mm)	0-5
57	1 ½" (37.5 mm)	100
	1" (25 mm)	95-100
	½" (12.5 mm)	25-60
	#4 (4.75 mm)	0-10
	#8 (2.36 mm)	0-5
6	1" (25 mm)	100
	¾" (19 mm)	90-100
	½" (12.5 mm)	20-55
	3/8" (9.5 mm)	0-15
	#4 (4.75 mm)	0-5

FANS:

1. MITIGATION FANS SHALL BE RADON AWAY GX5A (OR AN ENGINEER APPROVED EQUIVALENT); 115 VOLT, SINGLE-PHASE, 3000 RPM, 1.5 MAXIMUM AMP; 150 CFM AT 1.0 INCHES OF WATER COLUMN WITH A 4-INCH DUCT CONNECTION.
2. FANS SHALL BE INSTALLED WITH FLEXIBLE CONNECTORS. ALL PVC PIPE SHALL BE SOLVENT WELDED USING LOW VOC PRIMER AND LOW VOC PVC CEMENT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
3. FANS SUBJECTED TO EXTREME CLIMATE CONDITIONS SHALL BE PROTECTED WITH THERMAL INSULATION, AS NEEDED.
4. FANS SHALL BE PROTECTED WITH A RADONAWAY FAN COVER OR ENGINEER APPROVED EQUIVALENT.

CONCRETE & SEALING:

1. CONCRETE SHALL BE 4,000 PSI (28-DAY) MINIMUM COMPRESSIVE STRENGTH.
2. ALL INTERIOR CONCRETE WORK SHALL BE COMPLETED IN ACCORDANCE WITH ACI 301, ACI 315, AND ACI 318.
3. ALL CRACKS, PERFORATIONS, HOLES, AND PIPE PENETRATIONS THROUGH THE CONCRETE FOUNDATION SHALL BE THOROUGHLY SEALED WITH A COMPATIBLE SEALANT OR CAULK COMPLYING WITH ASTM C920 CLASS 25 OR GREATER. THIS INCLUDES FLOORS AND OUTER WALLS.

SITE RESTORATION:

1. REPAIR AND / OR REPLACE ANY FLOORING, STAIRWAYS, DRIVEWAYS, CONCRETE SIDEWALKS, CONCRETE APRONS, LANDSCAPING, ETC. DAMAGED OR REMOVED DURING CONSTRUCTION ACTIVITIES.

SYSTEM MONITORS:

1. EACH VERTICAL RISER SHALL BE EQUIPPED WITH A MANOMETER IN A CONSPICUOUS LOCATION TO ALLOW VISUAL CONFIRMATION OF SYSTEM OPERATION AND ADEQUATE NEGATIVE PRESSURE. THE CONNECTION INTO THE RISER SHALL BE AIR-TIGHT.
   a. MANOMETERS SHALL BE RADON AWAY EASY READ MANOMETER 6.5" OR AN ENGINEER APPROVED EQUIVALENT.
   b. EACH MANOMETER SHALL BE CLEARLY MARKED OR LABELED TO INDICATE THE MEASURED PRESSURE, AIRFLOW VOLUME, OR AMPERAGE READINGS THAT EXISTED AT THE TIME MITIGATION GOALS WERE ACHIEVED.
2. EACH VERTICAL RISER SHALL BE EQUIPPED WITH A MONITORING MECHANISM THAT ACTIVELY ALERTS DESIGNATED SITE REPRESENTATIVES IN THE EVENT OF FAN OR MECHANICAL FAILURE.
   a. MONITORING MECHANISMS SHALL BE RADON AWAY CHECKPOINT IIA MITIGATION SYSTEM ALARM OR AN ENGINEER APPROVED EQUIVALENT, CAPABLE OF VISUALLY AND AUDIBLY ALERTING SITE TENANTS IN THE EVENT OF FAN OR MECHANICAL FAILURE.
   b. MONITORING MECHANISMS SHALL BE ON NON-SWITCHED CIRCUITS AND DESIGNED TO RESET AUTOMATICALLY WHEN POWER IS RESTORED AFTER POWER SUPPLY INTERRUPTIONS.
   c. MONITORING MECHANISMS SHALL NOT BE POWERED BY THE SAME BRANCH CIRCUIT AS THE MITIGATION SYSTEM FANS.
3. ALL SYSTEM MONITORS SHALL BE READILY ACCESSIBLE TO INDIVIDUALS RESPONSIBLE FOR SYSTEM MAINTENANCE WITHOUT DISSASSEMBLY OF BUILDING COMPONENTS.
4. ALL SYSTEM MONITORS SHALL BE PROTECTED FROM THE ELEMENTS AND DURABLE FOR THE AMBIENT ENVIRONMENTAL CONDITIONS.

ELECTRICAL:

1. ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL ELECTRICAL CODES, REGULATIONS AND REQUIREMENTS.
2. FOR EACH MITIGATION FAN, A MEANS OF ELECTRICAL DISCONNECT SHALL BE PROVIDED IN THE LINE OF SIGHT AND WITHIN 6 FEET OF THE MITIGATION SYSTEM FAN.
3. ALL OUTDOOR WIRING FOR FANS SHALL BE PROTECTED IN CONDUIT.

LABELING:

1. ALL LABELS SHALL BE MADE OF DURABLE MATERIALS AND LABEL LETTERING SHALL BE OF A COLOR IN CONTRAST TO THE COLOR OF THE BACKGROUND ON WHICH THE LETTERING IS APPLIED. LABEL TITLES SHALL BE WITH LETTERING NOT LESS THAN 1/4-INCH IN HEIGHT AND ADDITIONAL INFORMATION TEST SHALL BE WITH LETTERING NOT LESS THAN 1/8 INCH IN HEIGHT.
2. A SYSTEM DESCRIPTION LABEL SHALL BE PLACED ON A PRIMARY COMPONENT OF EACH SYSTEM SUCH AS DUCT PIPING NEAR THE FAN MONITOR, WITHIN 12 INCHES OF THE ELECTRICAL SERVICE PANEL, OR OTHER PROMINENT LOCATION. THE PRIMARY LABEL SHALL INCLUDE:
   a. A TITLE THAT READS: SOIL VAPOR MITIGATION SYSTEM.
   b. A DESCRIPTION OF THE SYSTEM MONITORS AND ACTIONS TO TAKE IF THE SYSTEM MONITORS INDICATE DEGRADATION OR FAILURE.
   c. THE NAME AND CONTACT INFORMATION OF THE PARTY RESPONSIBLE FOR MAINTENANCE AND REPAIRS.
3. ALL SYSTEM MONITORS SHALL BE LABELED WITH INFORMATION ON HOW TO INTERPRET THE MONITOR AND WHAT TO DO IF A MONITOR INDICATES DEGRADATION OR FAILURE.
4. ALL FANS SHALL BE LABELED WITH A TITLE THAT PORTRAYS THE SYSTEM PURPOSE.
5. ALL EXPOSED / VISIBLE / ACCESSIBLE INTERIOR PIPING HAVING TO DO WITH THE MITIGATION SYSTEM SHALL BE LABELED WITH A LABEL THAT READS: SOIL VAPOR MITIGATION SYSTEM.
6. DISCONNECTS FOR TURNING OFF MITIGATION SYSTEM FANS SHALL BE LABELED WITH A LABEL THAT READS:" THIS IS A COMPONENT OF AN ASD ACTIVE SUBSLAB DEPRESSURIZATION SYSTEM. DO NOT TAMPER WITH, ALTER, OR DISCONNECT". THIS LABEL SHALL BE PLACED AT THE DISCONNECT SWITCH, THE CIRCUIT BREAKER IN THE ELECTRICAL PANEL, AND THE OUTLET WHERE THE FAN IS ENERGIZED.

CONTAMINATED SOIL AND GROUNDWATER ENCOUNTERED DURING CONSTRUCTION:

1. THE SITE CONTAINS IMPACTED SOIL AND GROUNDWATER. IF ENCOUNTERED, CONTAMINATED SOILS AND GROUNDWATER MUST BE MANAGED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.
2. ALL ACTIVITIES RELATED TO THE DISTURBANCE OF SOILS AND / OR GROUNDWATER AT THE SITE SHALL BE CONDUCTED IN ACCORDANCE WITH AN ADEQUATE HEALTH AND SAFETY PLAN IN ACCORDANCE WITH OSHA REQUIREMENTS. EACH CONTRACTOR MUST HAVE ITS OWN HEALTH AND SAFETY PLAN.
3. SOILS SHALL NOT BE TRANSPORTED OFF SITE UNTIL THEY ARE CHARACTERIZED TO DETERMINE PROPER DISPOSAL REQUIREMENTS AND APPLICABLE PERMITS OR REGULATORY APPROVAL IS OBTAINED.
4. SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO DEWATER ACCUMULATED WATER WITHIN EXCAVATION AREAS. AREAS SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BACKFILL IS MADE IN AN AREA FREE OF STANDING WATER. THE CONTRACTOR SHALL PROPERLY CONTAINERIZE, CHARACTERIZE AND DISPOSE OF WATER IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL RULES AND REGULATIONS. THE CONTRACTOR SHALL CONSULT THE OWNER AND ENGINEER TO DETERMINE SUITABLE WATER AND SOIL CHARACTERIZATION AND DISPOSAL METHODS.
5. SURFACE WATER OR GROUNDWATER SHALL NOT BE DISCHARGED TO A STORM OR SANITARY SEWER.
6. INFORMATION REGARDING THE CONTAMINANTS IDENTIFIED AT THIS SITE CAN BE OBTAINED FROM THE ENGINEER, IF NECESSARY.

EQUIPMENT LIST:

Part	Quantity	Manufacturer	Model	SKU	Link
Fan	2	Radon Away	GX5A	28536	https://www.radonaway.com/products/radon-fans/pro-series/gx-series/fan-gx5a-pro-series
Fan Cover	2	Radon Away	Complete Fan Cover Kit	28043	https://www.radonaway.com/products/radon-system-accessories/outdoor-fan-covers-accessories/radonaway-complete-fan-cover-kit-white
Manometer	2	Radon Away	Easy Read Manometer 6.5"	50036	https://www.radonaway.com/products/radon-system-accessories/dynameter-manometer/u-tube-manometer-0-6-5-radonaway
Alarm	2	Radon Away	Checkpoint IIA Mitigation System Alarm	28001-2	https://www.radonaway.com/products/radon-system-accessories/system-alarms/checkpoint-alarm-iia
Critter Guard	2	Radon Away	Pipe Guard for 4" Schedule 40	76041-2	https://www.radonaway.com/products/radon-system-accessories/pipe-accessories/vent-caps-pipe-guards-mufflers/guard-pipe-4-sched-40

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BCP SITE C734164
1153-69 WEST FAYETTE STREET
SYRACUSE, NEW YORK 13204
SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
DRAWN BY:	N. COULOMBE
DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

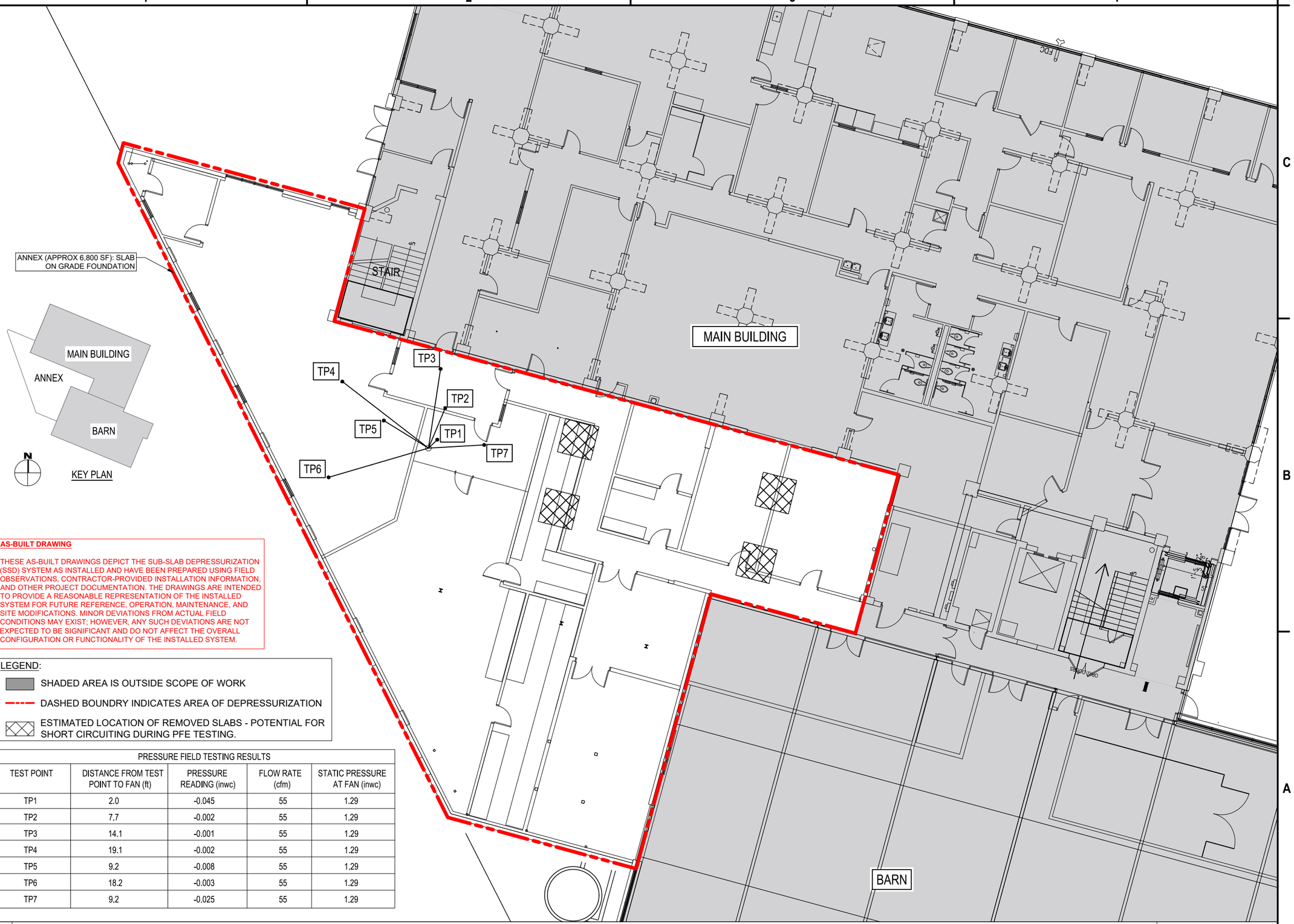
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NOTE SHEET

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A1 NOTES
NOT TO SCALE

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AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- ESTIMATED LOCATION OF REMOVED SLABS - POTENTIAL FOR SHORT CIRCUITING DURING PFE TESTING.

PRESSURE FIELD TESTING RESULTS

TEST POINT	DISTANCE FROM TEST POINT TO FAN (ft)	PRESSURE READING (inwc)	FLOW RATE (cfm)	STATIC PRESSURE AT FAN (inwc)
TP1	2.0	-0.045	55	1.29
TP2	7.7	-0.002	55	1.29
TP3	14.1	-0.001	55	1.29
TP4	19.1	-0.002	55	1.29
TP5	9.2	-0.008	55	1.29
TP6	18.2	-0.003	55	1.29
TP7	9.2	-0.025	55	1.29

A1 PRE-DESIGN INVESTIGATION - ANNEX FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
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DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

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PRE-DESIGN INVESTIGATION

ANNEX FIRST FLOOR PLAN

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4" PERFORATED PIPE TERMINATES 10' FROM EAST WALL, CENTERED EQUALLY BETWEEN THE EXTERIOR WEST WALL AND THE CORNER OF THE ANNEX AND MAIN BUILDING.

4" PERFORATED PIPE. TRENCH BACKFILLED WITH NUMBER 57 STONE. SEE DETAIL A3

5' OF SOLID 4" SCHEDULE 40 PVC PIPE BELOW SLAB; FROM RISER PENETRATION TO COMMENCEMENT OF PERFORATED PIPING SYSTEM. FIRST 2' OF TRENCH BACKFILLED WITH CONCRETE. SEE DETAIL C1

TRENCHES EXCAVATED TO A DEPTH AND WIDTH THAT WOULD ALLOW FOR A MINIMUM 2-INCHES OF BACKFILL AROUND ALL SIDES OF THE PERFORATED PIPE. SEE DETAIL A3

PIPING PENETRATES WALL APPROXIMATELY 4' ABOVE EXTERIOR GRADE AND TURN 90 DEGREES UPWARD TO CONNECT TO FAN. SEE DETAILS C1 AND A1

RISER AND FAN LOCATION ALTERED IN THE FIELD AS SHOWN TO AVOID PROPOSED OFFICE SPACE. RISER AND FAN LOCATION WAS ALTERED IN SUCH A WAY TO STILL BE ACCESSIBLE FROM THE EXTERIOR OF THE BUILDING AND TO MAINTAIN A 20 FOOT HORIZONTAL SEPARATION FROM OPERABLE WINDOWS, DOORS, AIR INTAKES, AND OTHER OPENINGS INTO CONDITIONED / OCCUPIED BUILDING SPACE.

PROPOSED RISER AND FAN LOCATION PER SSDS DESIGN PACKAGE.

MAIN BUILDING

4" PERFORATED PIPE. TRENCH BACKFILLED WITH NUMBER 57 STONE. SEE DETAIL A3

TRENCHES EXCAVATED TO A DEPTH AND WIDTH THAT WOULD ALLOW FOR A MINIMUM 2-INCHES OF BACKFILL AROUND ALL SIDES OF THE PERFORATED PIPE. SEE DETAIL A3

4" PERFORATED PIPE CENTERED EQUALLY BETWEEN NORTH AND SOUTH WALLS OF THE ANNEX.

TRENCH AND SUB-SLAB PIPING LAYOUT WAS ALTERED IN THE FIELD AS SHOWN TO AVOID NEWLY POURED FOUNDATIONS. LAYOUT WAS ALTERED IN SUCH A WAY TO MAINTAIN COVERAGE OF THE INTENDED AREA.

PROPOSED TRENCH AND SUB-SLAB PIPING LAYOUT PER SSDS DESIGN PACKAGE.

4" PERFORATED PIPE TERMINATES 10' FROM EAST WALL.

5' OF SOLID 4" SCHEDULE 40 PVC PIPE BELOW SLAB; FROM RISER PENETRATION TO COMMENCEMENT OF PERFORATED PIPING SYSTEM. FIRST 2' OF TRENCH BACKFILLED WITH CONCRETE. SEE DETAIL C1

ANNEX (APPROX 6,800SF): SLAB ON GRADE FOUNDATION

PIPING PENETRATES WALL APPROXIMATELY 4' ABOVE EXTERIOR GRADE AND TURN 90 DEGREES UPWARD TO CONNECT TO FAN. SEE DETAILS C1 AND A1

BARN

MAIN BUILDING

ANNEX

BARN

N

KEY PLAN

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- 4" PERFORATED SCHED. 40 PVC PIPING
- FLOOR TRENCH
- 4" SOLID WALL SCHED. 40 PVC PIPING
- (R) INTERIOR RISER LOCATION
- (F) MITIGATION FAN / EXTERIOR RISER LOCATION

A1 SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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www.cscos.com

BCP SITE C734164
1153-69 WEST FAYETTE STREET
SYRACUSE, NEW YORK 13204
SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
DRAWN BY:	N. COULOMBE
DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

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SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN ANNEX FIRST FLOOR PLAN

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ANNEX ROOF AREA

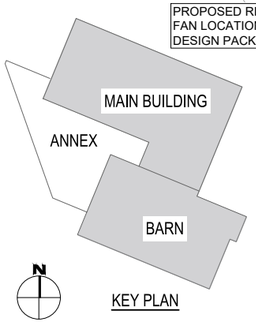
MAIN BUILDING

RISER AND FAN LOCATION ALTERED IN THE FIELD AS SHOWN TO AVOID PROPOSED OFFICE SPACE. RISER AND FAN LOCATION WAS ALTERED IN SUCH A WAY TO STILL BE ACCESSIBLE FROM THE EXTERIOR OF THE BUILDING AND TO MAINTAIN A 20 FOOT HORIZONTAL SEPARATION FROM OPERABLE WINDOWS, DOORS, AIR INTAKES, AND OTHER OPENINGS INTO CONDITIONED / OCCUPIED BUILDING SPACE.

PROPOSED RISER AND FAN LOCATION PER SSDS DESIGN PACKAGE.

PIPING ANCHORED TO THE EXTERIOR UTILIZING HANGERS, AT A MINIMUM OF EVERY 10'. ANCHORS ARE HOT DIPPED GALVANIZED. EXHAUST PIPES EXTEND VERTICALLY A MINIMUM OF 18 INCHES ABOVE THE ROOF EDGE. EXHAUST POINTS ARE AT LEAST 4 FEET ABOVE OR 20 FEET HORIZONTALLY AWAY FROM ANY OPERABLE WINDOW, DOOR, AIR INTAKES, OR OTHER OPENING INTO CONDITIONED / OCCUPIED BUILDING SPACE AND 20 FEET OR MORE AWAY FROM SIMILAR OPENINGS OF ADJACENT BUILDINGS.

BARN



KEY PLAN

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- (F) MITIGATION FAN / EXTERIOR RISER LOCATION
- 20' RADIUS AROUND EXHAUST STACK

A1 SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN - ANNEX ROOF PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	AB2.002.005
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DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

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SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN ANNEX ROOF PLAN

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AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

MAIN BUILDING

ANNEX

BARN

KEY PLAN

STAIR

-0.004
-0.010
-0.041
-0.008
-0.010
-0.256
-0.005
-0.006
-0.049
-0.233
-0.004
-0.093
-0.072

RISER AND FAN LOCATION ALTERED IN THE FIELD AS SHOWN TO AVOID PROPOSED OFFICE SPACE. RISER AND FAN LOCATION WAS ALTERED IN SUCH A WAY TO STILL BE ACCESSIBLE FROM THE EXTERIOR OF THE BUILDING AND TO MAINTAIN A 20 FOOT HORIZONTAL SEPARATION FROM OPERABLE WINDOWS, DOORS, AIR INTAKES, AND OTHER OPENINGS INTO CONDITIONED / OCCUPIED BUILDING SPACE.

PROPOSED RISER AND FAN LOCATION PER SSDS DESIGN PACKAGE.

TRENCH AND SUB-SLAB PIPING LAYOUT WAS ALTERED IN THE FIELD AS SHOWN TO AVOID NEWLY POURED FOUNDATIONS. LAYOUT WAS ALTERED IN SUCH A WAY TO MAINTAIN COVERAGE OF THE INTENDED AREA.

PROPOSED TRENCH AND SUB-SLAB PIPING LAYOUT PER SSDS DESIGN PACKAGE.

ANNEX (APPROX 6,800SF): SLAB ON GRADE FOUNDATION

NOTES:

1. SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM FANS WERE ACTIVATED ON DECEMBER 12, 2025.
2. PRESSURE FIELD EXTENSION (PFE) TESTING WAS CONDUCTED ON DECEMBER 15 AND 16, 2025.
3. PFE TESTING WAS CONDUCTED TO CONFIRM THERE WAS ADEQUATE VACUUM BENEATH THE SLAB. MEASUREMENTS WERE MADE TO QUANTIFY AIR PRESSURE DIFFERENCE UNDER THE SLAB AT THE INDICATED TEST LOCATIONS RELATIVE TO THE INDOOR AIR. MEASUREMENTS WERE MADE WITH A DIGITAL MICROMANOMETER CAPABLE OF READING TO 0.001-INCH WATER COLUMN (inWC). A NEGATIVE PRESSURE DIFFERENCE OF 0.001 inWC IS REQUIRED AND A DIFFERENCE OF AT LEAST 0.004 inWC IS DESIRED.

LEGEND:

- SHADED AREA IS OUTSIDE SCOPE OF WORK
- DASHED BOUNDRY INDICATES AREA OF DEPRESSURIZATION
- 4" PERFORATED SCHED. 40 PVC PIPING
- FLOOR TRENCH
- 4" SOLID WALL SCHED. 40 PVC PIPING
- (R) INTERIOR RISER LOCATION
- (F) MITIGATION FAN / EXTERIOR RISER LOCATION
- (X) PFE TEST LOCATION - RESULTS DISPLAYED IN inWC
- REFUSAL UPON DRILLING
- APPROXIMATE HISTORIC TELEPHONE UTILITY
- AREA OF PRESUMED HISTORIC CONCRETE UTILITY CASING / CONCRETE FOOTER

A1 POST-INSTALLATION PFE TESTING - ANNEX FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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SYRACUSE, NEW YORK 13204
SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
DRAWN BY:	N. COULOMBE
DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

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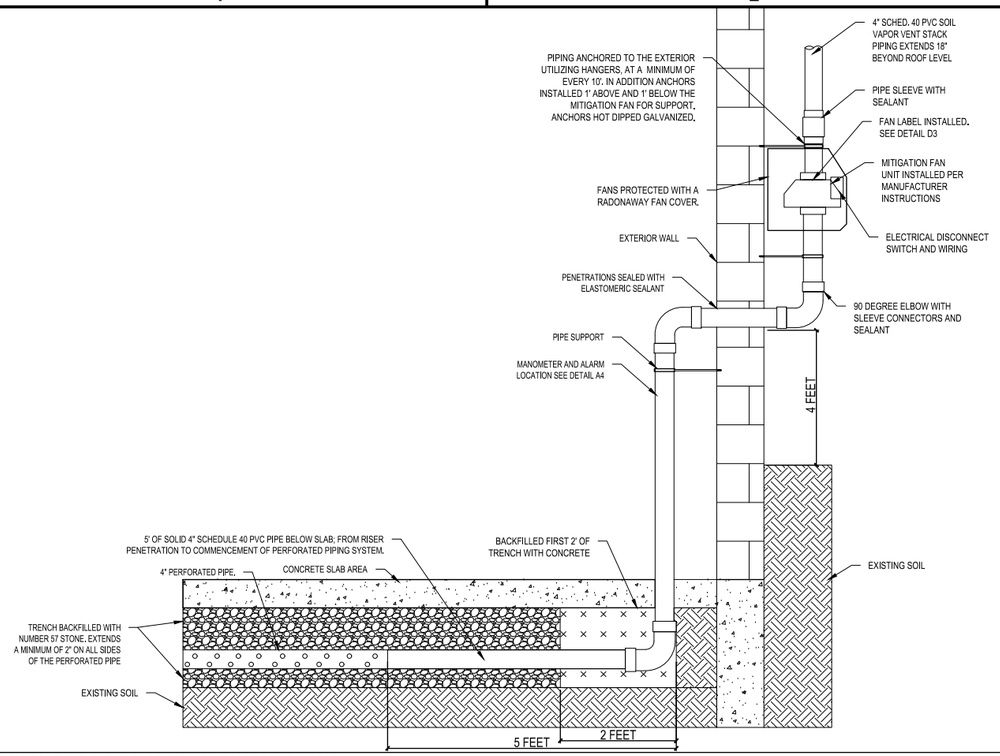
POST-INSTALLATION PFE TESTING

ANNEX FIRST FLOOR PLAN

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C1 SUB-SLAB PIPING AND VENT STACK DETAIL
NOT TO SCALE

CAUTION

THIS IS A COMPONENT OF AN ASD ACTIVE SUBSLAB DEPRESSURIZATION SYSTEM. DO NOT TAMPER WITH, ALTER, OR DISCONNECT.

D3 SOIL VAPOR COMPONENT LABEL DETAIL
NOT TO SCALE

AS-BUILT DRAWING

THESE AS-BUILT DRAWINGS DEPICT THE SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM AS INSTALLED AND HAVE BEEN PREPARED USING FIELD OBSERVATIONS, CONTRACTOR-PROVIDED INSTALLATION INFORMATION, AND OTHER PROJECT DOCUMENTATION. THE DRAWINGS ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF THE INSTALLED SYSTEM FOR FUTURE REFERENCE, OPERATION, MAINTENANCE, AND SITE MODIFICATIONS. MINOR DEVIATIONS FROM ACTUAL FIELD CONDITIONS MAY EXIST; HOWEVER, ANY SUCH DEVIATIONS ARE NOT EXPECTED TO BE SIGNIFICANT AND DO NOT AFFECT THE OVERALL CONFIGURATION OR FUNCTIONALITY OF THE INSTALLED SYSTEM.

D4 AS-BUILT DRAWING NOTE
NOT TO SCALE

SOIL VAPOR MITIGATION SYSTEM

System Fan Monitor

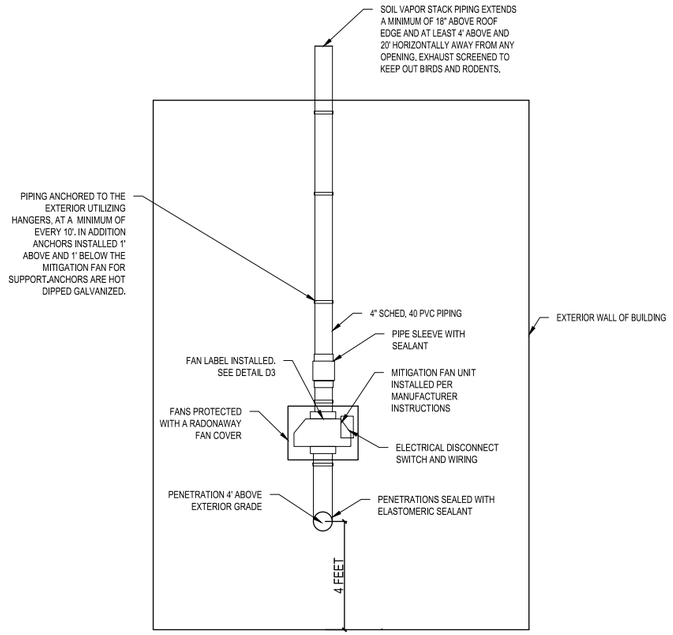
The system fan is active if oil level on the left is different from the right. Please call to report if the fan appears to be off.

This system is under the care of:
Name:_____
Number:_____

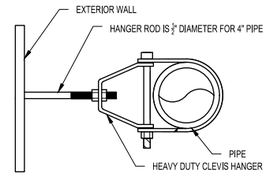
C3 SOIL VAPOR MITIGATION SYSTEM PRIMARY LABEL DETAIL
NOT TO SCALE

SOIL GAS VENT FLOW

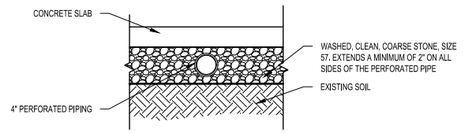
C4 SOIL VAPOR MITIGATION PIPING LABEL DETAIL
NOT TO SCALE



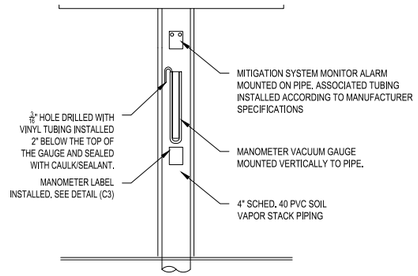
A1 FAN AND VENT STACK DETAIL (SIDE PROFILE)
NOT TO SCALE



B3 VERTICAL PIPE SUPPORT DETAIL
NOT TO SCALE



A3 SUB-SLAB PIPING DETAIL
NOT TO SCALE



A4 MANOMETER AND ALARM DETAIL
NOT TO SCALE

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SUB-SLAB DEPRESSURIZATION SYSTEM
AS-BUILT DRAWING SET

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REVISIONS

PROJECT NO:	AB2.002.005
DATE:	JUNE 2026
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DESIGNED BY:	C. DELFATTI
CHECKED BY:	N. BRADFORD P.E.

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DETAIL SHEET

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Attachment B

Inspection Forms

SUB-SLAB DEPRESSURIZATION SYSTEM
ANNUAL O&M INSPECTION CHECKLIST

Owner Name: 1153 Owner LLC
Site Name: 1153-69 West Fayette Street BCP Site (C734164)
Address: 1153-69 West Fayette Street, Syracuse, NY
Inspection Date / Time:
Inspector Name:
Inspector Company:
Weather:

Section	Inspection Item	Yes	No	N/A
System Operation	Fan operating continuously at time of inspection	☐	☐	☐
	Fan airflow direction correct	☐	☐	☐
	Excessive noise observed	☐	☐	☐
	Excessive vibration observed	☐	☐	☐
	Fan housing secure and in good condition	☐	☐	☐
	System operating under normal conditions	☐	☐	☐
	Extra mitigation fan in inventory	☐	☐	☐
Monitoring and Alarms	Manometer installed in a visible and accessible location	☐	☐	☐
	Manometer tubing intact and properly connected	☐	☐	☐
	Manometer reading indicates negative pressure beneath the slab	☐	☐	☐
	Manometer reading within normal operating range	☐	☐	☐
	Audible and/or visual alarm present	☐	☐	☐
	Alarm tested during inspection	☐	☐	☐
	Alarm functioning properly	☐	☐	☐
Manometer Readings:				
Piping and Seals	SSDS piping intact with no visible cracks, gaps, or damage	☐	☐	☐
	Pipe joints properly sealed and supported	☐	☐	☐
	Penetrations through slab or foundation remain sealed	☐	☐	☐
	Utility penetrations sealed where accessible	☐	☐	☐
	Evidence of air leakage observed	☐	☐	☐
Exhaust	Exhaust discharge point unobstructed	☐	☐	☐
	Exhaust piping securely attached and intact	☐	☐	☐
	Exhaust termination maintains required clearances from:			
	Windows	☐	☐	☐
	Doors	☐	☐	☐
	Air intakes	☐	☐	☐
	Adjacent structures	☐	☐	☐
	Evidence of re-entrainment pathways	☐	☐	☐
Electrical	Electrical connections intact and secure	☐	☐	☐
	Electrical conduit and wiring in good condition	☐	☐	☐
	Disconnect switch accessible and functional	☐	☐	☐
	Visible electrical deficiencies observed	☐	☐	☐
Labeling, Signage, and Owner Information	System piping labeled “Sub-Slab Depressurization System”	☐	☐	☐
	Fan labeled “Do Not Shut Off”	☐	☐	☐
	System purpose signage present and legible	☐	☐	☐
	Emergency contact information posted, if required	☐	☐	☐

SUB-SLAB DEPRESSURIZATION SYSTEM
ANNUAL O&M INSPECTION CHECKLIST

Section	Inspection Item	Yes	No	N/A
Building and Site Conditions	Building modifications since last inspection that could impact performance	☐	☐	☐
	New slab cracks observed that could affect vapor intrusion pathways	☐	☐	☐
	New sumps, drains, or preferential pathways observed	☐	☐	☐
	Building use consistent with conditions evaluated in SVI assessment	☐	☐	☐
Maintenance and Repairs	Maintenance activities since last inspection reviewed	☐	☐	☐
	Repairs required since last inspection documented	☐	☐	☐
	Repairs completed, if applicable	☐	☐	☐
	System continues to operate as intended	☐	☐	☐
Comments				

Section	Maintenance Personnel Interview	Yes	No	N/A
Interview	Maintenance personnel interviewed	☐	☐	☐
	Quarterly inspection forms reviewed	☐	☐	☐
	Annual inspection forms reviewed	☐	☐	☐
	Deficiencies noted on quarterly or annual inspection forms	☐	☐	☐
	Corrective actions required	☐	☐	☐
Required Corrective Actions				
Comments				

Section	Inspection Summary	Yes	No	N/A
Summary	System operating as intended at time of inspection	☐	☐	☐
	Minor issues identified that do not affect system performance	☐	☐	☐
	Corrective actions required	☐	☐	☐
Required Corrective Actions				
Inspector Signature:		Date:		

SUB-SLAB DEPRESSURIZATION SYSTEM
QUARTERLY O&M INSPECTION CHECKLIST

Owner Name: 1153 Owner LLC
Site Name: 1153-69 West Fayette Street BCP Site (C734164)
Address: 1153-69 West Fayette Street, Syracuse, NY
Inspection Date / Time:
Inspector Name:
Inspector Company:
Weather:

Section	Inspection Item	Yes	No	N/A
System Operation	Fan operating continuously at time of inspection	☐	☐	☐
	Excessive noise observed	☐	☐	☐
	Excessive vibration observed	☐	☐	☐
	Fan housing secure and in good condition	☐	☐	☐
	System operating under normal conditions	☐	☐	☐
	Extra mitigation fan in inventory	☐	☐	☐
Monitoring and Alarms	Manometer installed in a visible and accessible location	☐	☐	☐
	Manometer reading indicates negative pressure beneath the slab	☐	☐	☐
	Manometer reading within normal operating range	☐	☐	☐
	Audible and/or visual alarm present	☐	☐	☐
	Alarm tested during inspection	☐	☐	☐
	Alarm functioning properly	☐	☐	☐
Manometer Readings:				
Piping and Seals	Pipe joints properly sealed and supported	☐	☐	☐
	Penetrations through slab or foundation remain sealed	☐	☐	☐
	Evidence of air leakage observed	☐	☐	☐
Exhaust	Exhaust discharge point unobstructed	☐	☐	☐
	Exhaust piping securely attached and intact	☐	☐	☐
Maintenance and Repairs	Maintenance activities since last inspection reviewed	☐	☐	☐
	Repairs required since last inspection documented	☐	☐	☐
	Repairs completed, if applicable	☐	☐	☐
	System continues to operate as intended	☐	☐	☐
Comments				

Section	Inspection Summary	Yes	No	N/A
Summary	System operating as intended at time of inspection	☐	☐	☐
	Minor issues identified that do not affect system performance	☐	☐	☐
	Corrective actions required	☐	☐	☐
Required Corrective Actions				
Inspector Signature:		Date:		

Attachment C

RadonAway Fan Installation Instructions



GX Pro Series Fans
Installation Instructions

DO NOT CONNECT POWER SUPPLY UNTIL FAN IS COMPLETELY INSTALLED.
MAKE SURE ELECTRICAL SERVICE TO FAN IS LOCKED IN "OFF" POSITION.
DISCONNECT POWER BEFORE SERVICING FAN.

1. **WARNING!** For General Ventilating Use Only. Do Not Use to Exhaust Hazardous, Corrosive or Explosive Materials, Gases or Vapors. See Vapor Intrusion Application Note #AN001 for important information on VI Applications. RadonAway.com/vapor-intrusion

2. **NOTE:** Fan is suitable for use with solid state speed controls; however, use of speed controls is not generally recommended.

3. **WARNING!** Check voltage at the fan to insure it corresponds with nameplate.

4. **WARNING!** Normal operation of this device may affect the combustion airflow needed for safe operation of fuel burning equipment. Check for possible backdraft conditions on all combustion devices after installation.

5. **NOTICE!** There are no user serviceable parts located inside the fan unit.
Do NOT attempt to open. Return unit to the factory. (See Warranty, p. 8, for details.)

6. **WARNING!** Do not leave fan unit installed on system piping without electrical power for more than 48 hours. Fan failure could result from this non-operational storage.

7. **WARNING!** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:
    a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer. (See p. 8.)
    b) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
    c) Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire rated construction.
    d) Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturers' guidelines and safety standards such as those published by any National Fire Protection Association, and the American Society for Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), and the local code authorities.
    e) When cutting or drilling into a wall or ceiling, do not damage electrical wiring and other hidden utilities.
    f) Ducted fans must always be vented to outdoors.
    g) If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.
    h) Do not use replacement parts that have not been recommended by the manufacturer (e.g., parts made at home using a 3D printer.)

1.0 SYSTEM DESIGN CONSIDERATIONS

1.1 INTRODUCTION

The GX Pro Series Radon Fan is intended for use by trained, professional, certified/licensed radon mitigators. The purpose of these instructions is to provide additional guidance for the most effective use of GX Pro Series Radon Fans. These instructions should be considered supplemental to current industry standards and federal, state, county and local building codes and regulations. In the event of a conflict, those standards, codes, practices and regulations take precedence over these instructions.

1.2 FAN SEALING

The GX Pro Series Radon Fan is factory sealed; no additional caulk or other materials are required to inhibit air leakage.

1.3 ENVIRONMENTALS

The GX Pro Series Radon Fan is designed to perform year-round in all but the harshest climates without additional concern for temperature or weather. For installations in an area of severe cold weather, please contact RadonAway for assistance. When not in operation, the fan should be stored in an area where the temperature is never less than 32 degrees F or more than 100 degrees F.

1.4 ACOUSTICS

The GX Pro Series Radon Fan, when installed properly, operate with little or no noticeable noise to the building occupants. The velocity of the outgoing air should be considered in the overall system design. In some cases a "rushing" sound of the outlet air may be audible. In these instances, the use of a RadonAway Exhaust Muffler is recommended.

1.5 GROUND WATER

In the event that a temporary high water table results in water at or above slab level, water may be drawn into the riser pipes, thus blocking air flow to the GX Pro Series Radon Fan. The lack of cooling air may result in the fan cycling on and off as the internal temperature rises above the thermal cutoff. Should this condition arise, it is recommended that the fan be turned off until the water recedes, allowing for return to normal operation.

1.6 SLAB COVERAGE

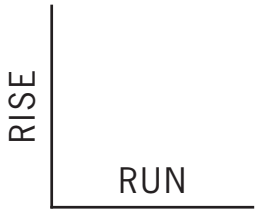
The GX Pro Series Radon Fan can provide coverage up to 2000+ sq. ft. per slab penetration. This will primarily depend on the sub-slab material in any particular installation. In general, the tighter the material, the smaller the area covered per penetration. Appropriate selection of the RadonAway Radon Fan best suited for the sub-slab material can improve the slab coverage. Additional suction points can be added as required. It is recommended that a small pit (5 to 10 gallons in size) be created below the slab at each suction hole.

1.7 CONDENSATION & DRAINAGE

Condensation is formed in the piping of a mitigation system when the air in the piping is chilled below its dew point. This can occur at points where the system piping goes through unheated space such as an attic, garage or outside. The system design must provide a means for water to drain back to a slab hole to remove the condensation. In order to allow for proper drainage, airflow should be kept below 90 CFM when using 3" pipe. The GX Pro Series Radon Fan MUST be mounted vertically plumb and level, with the outlet pointing up for proper drainage through the fan. Avoid mounting the fan in any orientation that will allow water to accumulate inside the fan housing. The GX Pro Series Radon Fan is NOT suitable for underground burial.

For GX Pro Series Radon Fan piping, the following table provides the minimum recommended pipe diameter and pitch under several system conditions.

Pipe Diameter	Minimum Rise per Ft of Run*		
	@25 CFM	@50 CFM	@100 CFM
4"	1/8"	1/4"	3/8"
3"	1/4"	3/8"	-



See p. 6-7 for detailed specifications.

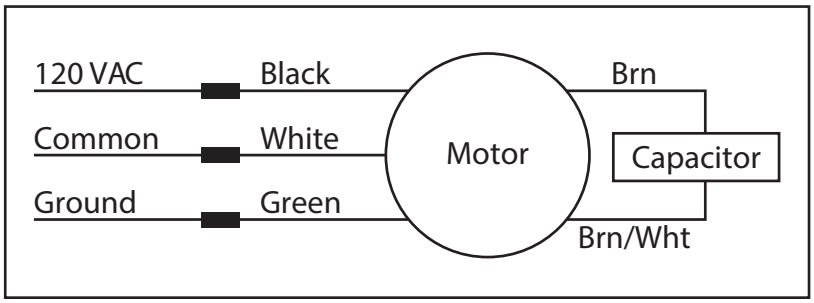
1.8 SYSTEM MONITOR & LABEL

As may be required, system monitors, alarms and labels are available for separate purchase. The GX3 Fan is compatible with a 4.5" U-Tube Manometer (such as P/N 50017) and the GX3, GX4, and GX5 Fans are compatible with a 6.5" U-Tube Manometer (such as P/N 50036). You may choose to also use an audible alarm (P/N 28001-2, 28001-4, 28421 or 28535). A System Label (provided with Manometers P/N 50017 and 50036) with instructions for contacting the installing contractor for service and identifying the necessity for periodic radon tests to be conducted by the building occupants, as may be required, can be conspicuously placed in a location where the occupants frequent and can see the label.

1.9 ELECTRICAL WIRING

The GX Pro Series Radon Fan operates on standard 120V, 60Hz AC. All wiring must be performed in accordance with National Fire Protection (NFPA) National Electrical Code, Standard #70, current edition, for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician. Outdoor installations require the use of a UL Listed watertight conduit. Ensure that all exterior electrical boxes are outdoor rated and properly sealed to prevent water penetration into the box. A means, such as a weep hole, recommended to drain the box.

GX Pro Series Radon Fans Wiring Diagram



2.0 INSTALLATION

The GX Pro Series Radon Fan can be mounted indoors or outdoors. (It is suggested that current industry standards and federal, state, county and local building codes and regulations be followed in choosing the fan location.) The GX Pro Series Radon Fan may be mounted directly on the system piping or fastened to a supporting structure by means of an optional mounting bracket.

The ducting from the fan to the outside of the building has a strong effect on noise and fan energy use. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated airflow.

2.1 MOUNTING

Mount the GX Pro Series Radon Fan vertically with outlet up, using flexible couplings to connect the fan to the pipe. Ensure the unit is plumb and level. When mounting directly on the system piping assure that the fan does not contact any building surface to avoid vibration noise. An optional mounting bracket (P/N 25007) is available, as are foam or rubber grommets and other items for vibration isolation.

2.2 SYSTEM PIPING

Complete piping run, as may be required by current industry standards and federal, state, county and local building codes and regulations, using flexible couplings as a means of disconnect for servicing the unit and for vibration isolation. As the fan is typically outside of the building thermal boundary and is venting to the outside, installation of insulation around the fan is not required. If desired, a vent muffler (such as P/N 24003 or 24007), available separately, may be installed at the end of the pipe.

2.3 ELECTRICAL CONNECTION

Connect wiring with wire nuts provided, observing proper connections (See Section 1.9). Note that the fan is not intended for connection to rigid metal conduit.

2.4 OPERATION CHECKS & ANNUAL SYSTEM MAINTENANCE

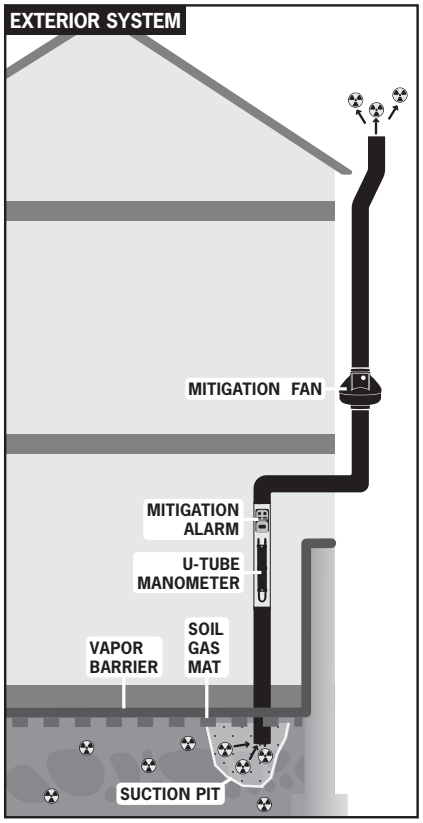
_____ **Verify** all connections are tight and **leak-free**.

_____ **Ensure** the GX Pro Series Radon Fan and all ducting are **secure and vibration-free**.

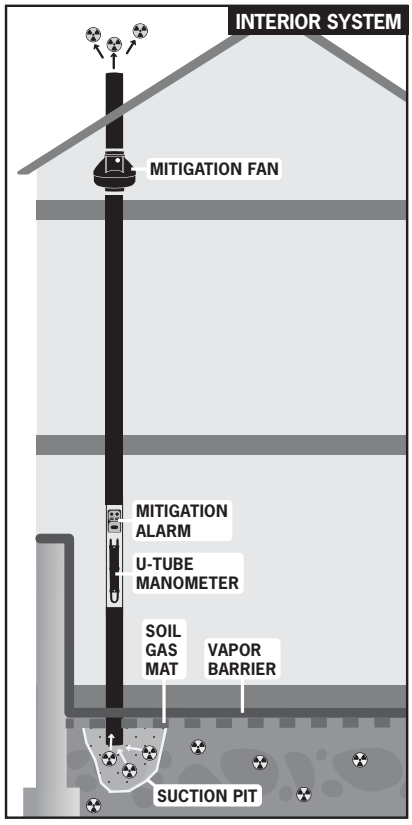
_____ **Verify system vacuum pressure** with manometer.
Ensure vacuum pressure is within normal operating range and **less than** the maximum recommended operating pressure.
(Based on sea-level operation, at higher altitudes reduce by about 4% per 1000 feet)
(Further reduce Maximum Operating Pressure by 10% for High Temperature environments.)
See Product Specifications. If this is exceeded, increase the number of suction points.

_____ **Verify Radon levels** by testing to applicable current industry standards.

TYPICAL GX OUTDOOR INSTALLATION



TYPICAL GX INDOOR INSTALLATION

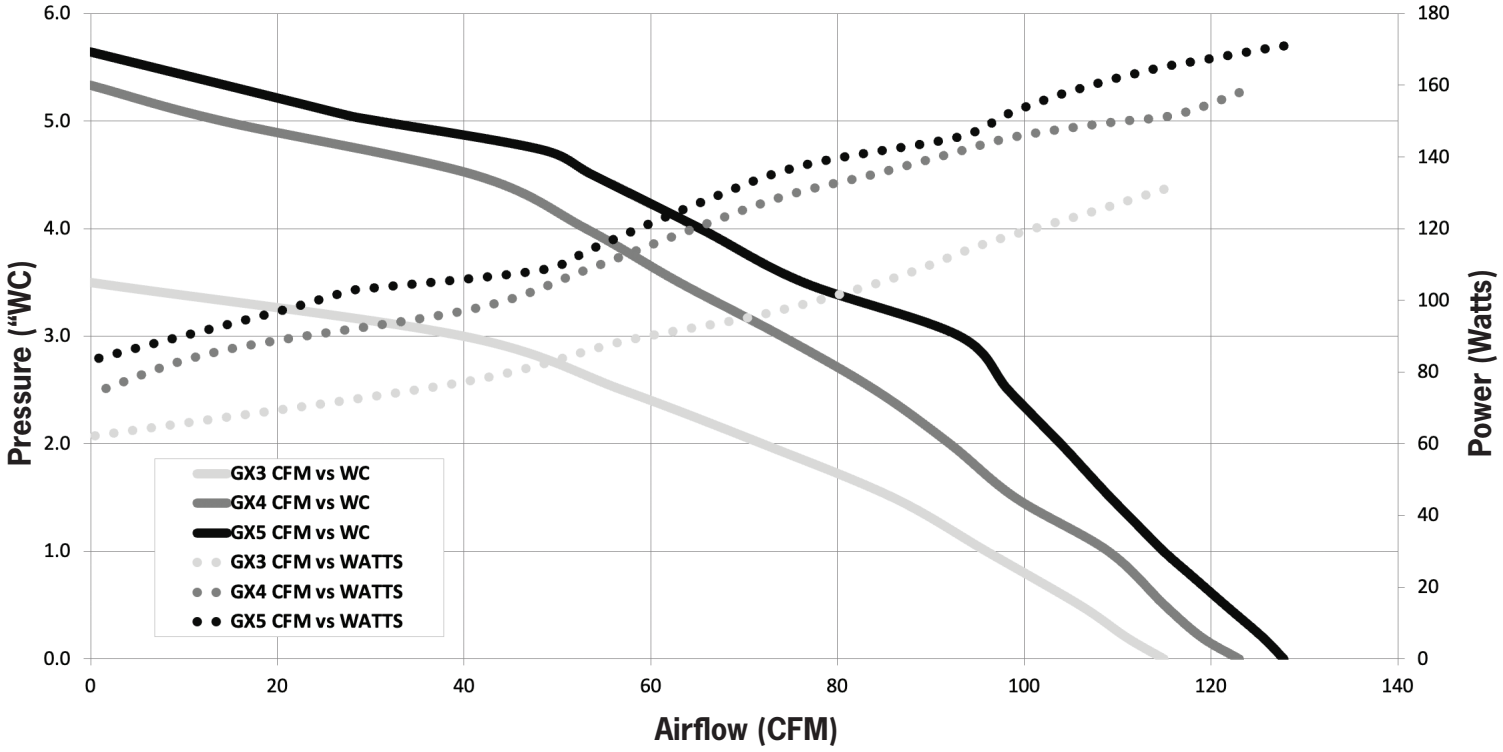


THE FOLLOWING CHARTS SHOW THE PERFORMANCE OF THE GX PRO SERIES RADON FANS

GX PRO SERIES RADON FANS PRODUCT SPECIFICATIONS

Typical CFM vs. Static Pressure "WC								
Model	**1.5"**	**2.0"**	**2.5"**	**3.0"**	**3.5"**	**4.0"**	**4.5"**	**5.0"**
GX3	86	72	57	40	-	-	-	-
GX4	-	-	84	74	63	53	41	-
GX5	-	-	98	93	76	65	54	31

GX PRO SERIES PERFORMANCE CURVES



THE FOLLOWING CHARTS SHOW THE PERFORMANCE OF THE GX PRO SERIES RADON FANS

GX PRO SERIES RADON FANS PRODUCT SPECIFICATIONS (CONTINUED)

Model	Power Consumption 120VAC, 60Hz, 1.8 Amp Maximum	Maximum Recommended Operation Pressure* (Sea Level Operation)**
GX3	60 - 135 watts	3.3" WC
GX4	74 - 158 watts	4.8" WC
GX5	75 - 180 watts	5.2" WC

**Reduce by 10% for High Temperature Operation. **Reduce by 4% per 1000 ft. of altitude.*

Model	Size	Weight	Inlet/Outlet
GX3	10.9"H x 11.9" Dia.	7 lbs 10 oz	3.5" OD (3.0" PVC Sched 40 size compatible)
GX4		8 lbs 1 oz	
GX5		8 lbs 15 oz	

GX PRO SERIES RADON FAN ADDITIONAL SPECIFICATIONS

Model	Recommended Ducting	Recommended PVC Pipe Mounting	Thermal Cutout	Insulation Class
GX3	3" or 4" PVC pipe	Inline pipe mount with flex couplings (optional bracket available)	120°C / 248°F	Class B Insulation
GX4				
GX5				

Continuous Duty
3000 RPM
Thermally Protected
Residential and Commercial
Rated for Indoor or Outdoor Use

LISTED
Electric Fan

Intertek
77728

Conforms to
UL STD. 507
Certified to
CAN/CSA STD.
C22.2 No.113

IMPORTANT INSTRUCTIONS TO INSTALLER

Inspect the RadonAway® GX Pro Series Radon Fan for shipping damage within 15 days of receipt. **Notify RadonAway® of any damages immediately.** RadonAway is not responsible for damages incurred during shipping. However, for your benefit, RadonAway does insure shipments.

There are no user serviceable parts inside the fan. **Do not attempt to open the housing.** Return unit to factory. (See Warranty below).

Install the GX Pro Series Radon Fan in accordance with all current industry standards and federal, state, county and local building codes and regulations.

Provide a copy of this instruction or comparable radon system and testing information to the building occupants after completing system installation.

Warranty

RadonAway® warrants that the GX Pro Series Radon Fan (the "Fan") will be free from defects in materials and workmanship for a of 12 months from the date of purchase or 18 months from the date of manufacture, whichever is sooner (the "Warranty Term").

RadonAway® will replace any fan which fails due to defects in materials or workmanship during the Warranty Term. This Warranty is contingent on installation of the Fan in accordance with the instructions provided. This Warranty does not apply where any repairs or alterations have been made or attempted by others, or if the unit has been abused or misused. Warranty does not cover damage in shipment unless the damage is due to the negligence of RadonAway®.

The Fan must be returned (at Owner's cost) to the RadonAway® factory. Any Fan returned to the factory will be discarded unless the Owner provides specific instructions along with the Fan when it is returned regardless of whether or not the Fan is actually replaced under this warranty. Proof of purchase must be supplied upon request for service under this Warranty.

5-YEAR EXTENDED WARRANTY WITH PROFESSIONAL INSTALLATION.

RadonAway® will extend the Warranty Term of the fan to 60 months (5 years) from date of purchase or 66 months from date of manufacture, whichever is sooner, provided that the fan is installed by a professional radon mitigation contractor. Proof of purchase and/or proof of professional installation may be required for service under this warranty. No extended warranty is offered outside the Continental United States and Canada beyond the standard 12 months from the date of purchase or 18 months from the date of manufacture, whichever is sooner.

RadonAway® is not responsible for installation, removal or delivery costs associated with this Warranty.

LIMITATION OF WARRANTY

EXCEPT AS STATED ABOVE, THE GX PRO SERIES RADON FAN IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL RADONAWAY® BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR RELATING TO, THE FAN OR THE PERFORMANCE THEREOF. RADONAWAY'S AGGREGATE LIABILITY HEREUNDER SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID PRODUCT. THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT, TO THE EXTENT THE SAME DOES NOT MEET WITH RADONAWAY'S WARRANTY AS PROVIDED ABOVE.

For service under this Warranty, contact RadonAway® for a Return Material Authorization (RMA) number and shipping information. No returns can be accepted without an RMA. If factory return is required, the customer assumes all shipping costs, including insurance, to and from factory.

RadonAway®
3 Saber Way, Ward Hill, MA 01835 USA
TEL (800) 767-3703
Email to: returns@radonaway.com

Record the following information for your records:

Serial Number:_____ Purchase Date:_____

Appendix M

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REMEDIAL SYSTEM OPTIMIZATION TABLE OF CONTENTS

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