

Site Characterization Report

Location:

NYSDOT Facility
30 West Main Street
Hornell NY

Prepared for:

NYSDOT

LaBella Project No. 2170285

December 2019



CERTIFICATION

I DANIEL P. NOLL certify that I am currently a NYS registered professional engineer and that this Site Characterization Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



081996

NYS Professional Engineer #

12/4/19

Date

D. P. Noll

Signature

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Abbreviations:

AOC	Area of Concern
ASP	Analytical Services Protocol
BCP	Brownfield Cleanup Program
BTEX	Benzene, toluene, ethylbenzene, xylenes
bgs	below ground surface
btr	below top of rock
CAS	Chemical Abstract Services
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CSEQG	Conditionally Exempt Small Quantity Generator
CORRACTS	Corrective Action Sites
CP	Commissioner Policy
CSIA	Compound Specific Isotope Analysis
CVOCs	Chlorinated Volatile Organic Compounds
DBW	Deep bedrock well
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
EDR	Environmental Data Resources
EDD	Electronic Data Deliverable
ELAP	Environmental Laboratory Accreditation Program
ERNS	Emergency Response and Notification System
ERP	Environmental Restoration Program
fmsl	feet above mean sea level
FOIL	Freedom of Information Law
Ft	Feet
GPS	Global Positioning System
IHWDS	Inactive Hazardous Waste Disposal Site
LQG	Large Quantity Generator
MW	Monitoring Well
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
NRC	National Response Center
NYCRR	New York Code of Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
ORP	Oxidation Reduction Potential
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene, tetrachloroethylene
PID	photoionization detector
PFCs	Perfluorinated Compounds
ppb	parts per billion
ppm	Parts per million
ppt	parts per trillion
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act

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RPSCOs	Remedial Program Soil Cleanup Objectives
SB	Soil Boring
SC	Site Characterization
SCGs	Standards, Criteria and Guidelines
SQG	Small Quantity Generators
SS	Surface Soil
SVOCs	Semi-Volatile Organic Compounds
SWL	static water level
SWIMS	Solid Waste Facilities and Landfills
TCE	Trichloroethene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
TSD	Treatment, Storage and Disposal
USEPA	United State Environmental Protection Agency
USGS	United States Geological Survey
VCP	Voluntary Cleanup Program
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

This Site Characterization (SC) Report is for 30 West Main Street in the City of Hornell, New York, hereinafter referred to as the “Site”. The work requested by New York State Department of Transportation (NYSDOT) was performed under the terms and conditions of Hazardous Material Assessment and Remediation Design Contract DO31373. The location of the Site is shown on Figure 1.

1.1 *Special Terms & Conditions*

The findings of this SC are based on the scope of work and project objectives as stated in LaBella Proposal number 2170285.6806.52 dated January 10, 2019.

1.2 *Limitations & Exceptions*

Work associated with this SC was performed in accordance with the New York State Department of Environmental Conservation’s (NYSDEC) DER-10 / Technical Guidance for Site Investigation and Remediation document. LaBella Associates, D.P.C. (LaBella), makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports.

In addition, LaBella cannot provide guarantees, certifications or warranties that the property is or is not free of environmental impairment or other regulated solid wastes. The Client shall be aware that the data and representative samples from any given soil sampling point or monitoring well may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

2.0 SITE DESCRIPTION AND HISTORY

The Site consists of approximately 8.19-acres of land owned by the State of New York (Refer to Figure 2). The Site is occupied by the NYSDOT and has been utilized as a fleet vehicle maintenance facility, paint stripping training and general storage of materials and equipment. Information on the history of the Site is detailed in Section 5.0.

The Site use currently includes office uses, soils lab, equipment maintenance areas, storage, exterior paint stripping practice area and exterior above ground petroleum storage tanks. The Site includes three (3) brick buildings which include office, storage and soils/geotechnical spaces, and seven (7) out-buildings primarily used for storage. The majority of the Site is asphalt paved. Refer to Figure 1 for a project location map. Figure 2 illustrates the property boundary of the Site.



The Site is bordered by the following properties:

Direction	Use
North	West Main Street with Commercial and Residential Properties Beyond
East	Vacant Former Industrial Facility
South	Wooded Creek Bank with Canacadea Creek Beyond
West	Canacadea Creek and a Vegetated Field (possibly agricultural use)

The SC consisted of a records search followed by a detailed evaluation of sewers, collection of sixteen (16) surface soil samples, advancement of thirty-seven (37) soil borings, installation of nine (9) overburden groundwater monitoring wells, and collection and analysis of associated, sub-surface soil and groundwater samples. Figures 3 illustrates the location of the testing completed.

3.0 STANDARDS, CRITERIA AND GUIDELINES

This section identifies the Standards, Criteria and Guidelines (SCGs) for the Site. The SCGs identified are used in order to quantify the extent of contamination at the Site that may require additional investigation and/or remedial work.

The SCGs for soil and groundwater are provided below.

Soil SCGs

The SCGs for soil used in this SC are:

- NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (RPSCOs) for Unrestricted Use
- NYCRR Subpart 375-6 RPSCOs for the Protection of Groundwater
- NYCRR Subpart 375-6 RPSCOs for the Protection of Public Health – Industrial Use

It should be noted that the above-listed SCOs are for comparison purposes and do not reflect the cleanup goals since the Site is not currently enrolled in a NYSDEC program that utilizes these criteria.

Groundwater SCGs

The SCGs for groundwater used in this SC are:

- NYSDEC Part 703 Groundwater Standards
- Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Standards and Guidance Values



4.0 OBJECTIVES AND RATIONALE

The objective of the SC was to assess the surface soil, subsurface soil and groundwater for potential areas of concern that may require additional investigation and/or remediation. The work was completed to generally satisfy the requirements of a Site Characterization as identified in NYSDEC DER-10.

5.0 RECORDS SEARCH

The records search included review of the following federal, state, and local environmental records and databases to aid in the identification of conditions at or related to the Site:

1. Regulatory Listings:
 - a. USEPA National Priority List (NPL)
 - b. USEPA Delisted NPL
 - c. USEPA Superfund Enterprise Management System (SEMS) and SEMS Archived Sites
 - d. USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
 - e. USEPA CECRCLIS No Further Remedial Action Planned (NFRAP)
 - f. USEPA Resource Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS)
 - g. USEPA RCRA non-CORRACTS Treatment, Storage, and Disposal Facility List (TSD) Facilities
 - h. USEPA RCRA Large Quantity Generator (LQG), Small Quantity Generators (SQG), and Conditionally Exempt Small Quantity Generator (CESQG) Listing
 - i. National Response Center (NRC) Emergency Response and Notification System Listing (ERNS)
 - j. Federal, state, and local Institutional Controls/Engineering Controls and Land Use Restrictions
 - k. NYSDEC Listed Facilities with Institutional Controls and/or Engineering Controls
 - l. NYSDEC Registry of Inactive Hazardous Waste Disposal Sites (IHWDS) (state equivalent of NPL Sites)
 - m. NYSDEC Registry of Brownfield Cleanup Program (BCP), Voluntary Cleanup Program (VCP), Environmental Restoration Program (ERP), Sites
 - n. NYSDEC Hazardous Substance Waste Disposal Sites (state equivalent of SEMS Sites)
 - o. NYSDEC Solid Waste Facilities and Landfills (SWIMS)
 - a. NYSDEC Inventory of Hazardous Substance Waste Disposal Sites
 - b. NYSDEC Listing of Spills and Leaking Storage Tanks



2. Historic Sources:

- a. Sanborn Fire Insurance Maps
- b. Aerial photographs of the area
- c. Historical atlases
- d. Local street directories

5.1 Regulatory Listings

The regulatory databases that were reviewed are noted above. The Site was not listed in any of these databases with the exception of the following:

- USEPA RCRA Generator – Based on the USEPA EnviroMapper, the Site is a small quantity generator (SQG) of hazardous waste (Site #110004401077). This listing does not indicate a release to the environment but rather indicates that waste is generated at the Site.
- NYSDEC Spill Listings – Based on the NYSDEC database the following spills are associated with the Site:
 - Spill 8080815 – This spill was opened on 8/15/1980 and closed by NYSDEC on 8/18/1980. There was no information in the spill listing on material or quantity spilled.
 - Spill 8200943 – This spill was opened and closed on 8/27/1982. The spill listing indicated that 10 gallons of diesel fuel was spilled due to human error.
 - Spill 9204439 – This spill was opened on 7/15/1992 and closed by NYSDEC on 8/7/1995. The spill listing indicated that an unknown amount of kerosene was spilled due to a tank failure.
 - Spill 9708604 – This spill was opened on 10/23/1997 and closed by NYSDEC on 11/05/1999. The spill listing indicated an unknown amount of gasoline spilled due to a tank overfill.
 - Spill 1701090 – This spill was opened on 4/26/2017 and closed by NYSDEC on 9/26/17. The spill listing indicated that 5 gallons of gasoline was spilled on an impervious surface due to equipment failure.
 - Spill 1802850 – This spill was opened on June 13, 2018 and was closed by NYSDEC on July 20, 2018. The spill was due to 40 gal. of hydraulic oil released to soil.

There are no active NYSDEC Spills associated with the Site.



5.2 Historic Sources

Standard historical sources that LaBella reviewed are outlined in the table below.

Section	Historical Source	Date(s)	Source/Comments
5.2.1	Sanborn Fire Insurance Maps	1915, 1926, 1948, 1961	Environmental Data Resources (EDR)
5.2.2	Aerial Photographs	1952, 1957, 1963, 1981	United States Geological Survey (USGS)
5.2.3	Historical Atlases	1873	Hornell Public Library
5.2.4	Local Street Directories	1906-1907, 1914-1915, 1920-1921, 1925, 1931, 1937, 1942, 1945, 1953, 1965, 1970, 1975-1976, 1992, 1997, 2001, 2005, 2011, 2016	Hornell Public Library

5.2.1 Sanborn Fire Insurance Maps

The apparent historical use of the Site, as depicted by the Sanborn maps, is summarized in the table below.

Apparent Address	Date	Apparent Use(s)/Occupant(s)
Unaddressed	1915	The Site appears to have been developed with an Ice house, and a foundry on the eastern portion of the Site. Two storage garages appear to have been located on the north boundary of the Site. Additionally a large pond, used to harvest ice, covers a significant portion of the center of the Site.
Unaddressed	1926	The Site appears similar to the 1915 Sanborn map with an Ice house over the southern portion of the Site, a foundry on the eastern portion of the Site and a pond covering the central portion of the Site. In addition, a storage garage is on the on the north boundary of the Site.
Unaddressed	1948	The Site has significantly changed since 1926. The ice house, pond and foundry are no longer present. The Site is developed with six structures. Two of the structures appear to be the same as two of the current structures. On office building is located on the northern portion of the Site and two small storage buildings are located on the southern portion of the Site. The eastern portion of the Site has a small auto garage. The central portion of the Site has the two buildings that appear to be the same as the current structures. The central western building is identified as New York State Department of Public Works and utilized for road machine storage and repair and the central eastern building is identified as machine shops and auto repair. In addition, there is a gasoline tank identified off the eastern side of the machine shop building. It is unknown if this tank was an underground storage tank or above ground storage tank.
Unaddressed	1961	The Site is substantially the same as the 1948 Sanborn map with the exception that the eastern auto garage that was shown on the 1948 Sanborn map is no longer present and a larger garage is present on the eastern portion of the Site.



Copies of the Sanborn maps are included in Appendix 1.

5.2.2 Aerial Photography

The table below outlines observations of the Site and adjacent properties obtained from the review of aerial photographs.

Date	Observations
1952	The Site appears to be developed with the current structures on the Site and an additional building (former office building) is located along the northern portion of the Site. The north adjacent properties appear to be developed with residential structures. The east adjacent property appears to be developed with a commercial or industrial structure. The south adjacent property (beyond Canacaeda Creek) appears to be developed with a railroad and wooded forest. The west adjacent property appears to have some structures associated with the dam on Canacaeda Creek. Beyond this to the west appears to be agricultural land. There are apparent drive paths between the Site and the adjacent land to the west.
1957	The Site appears similar to the 1952 aerial with the exception that a drive lane appears to extend down the middle of the site, whereas this was not apparent in the 1952 aerial. The adjacent properties appear similar with the exception that the structure to the west is not apparent and there appears to be additional drive paths between the Site and the property to the west.
1963	The Site appears similar to the 1957 aerial with the exception that the central portion of the Site appears to have a parking area similar to the current configuration. The adjacent properties appear similar with the exception that there are not apparent/defined drive paths to the property to the west.
1981	The Site and adjacent properties appear similar to the 1963 aerial.

5.2.3 Historical Atlases

The table below outlines observations of the Site and adjacent properties obtained from the review of available historical atlases.

Date	Observations
1873	The Site appears to be occupied by Rawson & Thacher Mowing Machine Salt Company. There also appears to be a pond and creek running east to west across the Site. The north, east, south and west adjacent properties appear to be undeveloped.

Copies of the historical atlases are included in Appendix 1.



5.2.4 Local Street Directories

Listings identified associated with the Site in the Hornell Public Library Street directories are detailed in the table below.

Year	Historical Use
1942, 1945	The Site appears to be occupied by the NYSDOH, and the NYS Department of Public Works.
1965	The Site appears to be occupied by the NYS Department of Public Works, Overhead Drive-in, and R&C Overhead Sinclair
1975-1976	The Site appears to be occupied by the NYS Department of Transportation

Copies of the street directories are included in Appendix 1.

5.3 Government Records

5.3.1 Local Government

A FOIL request was submitted to the City of Hornell Clerk, Barbara Perrott on February 7, 2019 requesting copies of building department, assessment, and fire marshal records on file for the Site with the City of Hornell. An email response received from the City of Hornell on February 12, 2019 noted that the City of Hornell does not hold records for the State owned property.

Copies of the FOIL request and records obtained from the city of Hornell are included in Appendix 2.

5.3.2 New York State Department of Environmental Conservation

A FOIL request was submitted to the NYSDEC on February 7, 2019. A letter dated February 7, 2019, stated that the NYSDEC received LaBella's FOIL request and had initiated a records search. A letter from the NYSDEC stated that no records were on file for the Site. A copy of the FOIL request and response is included in Appendix 2. In addition, NYSDOT received a letter on October 23, 2019 from NYSDEC that indicated a former NYSDOT employee reported various areas of concern at the Site related to discharge of chemicals. A copy of the letter is included in Appendix 2. These areas of concern were also noted during the Site walk with NYSDOT, refer to Section 5.3.4 below.

5.3.3 New York State Department of Health

A FOIL request was submitted to the NYSDOH on February 7, 2019. A response was received from the NYSDOH on March 29, 2019. According to the NYSDOH, no health records were on file for the Site. Copies of the FOIL request and response are included in Appendix 2.

5.3.4 New York State Department of Transportation

NYSDOT provided available information from the Site which included the following:

1. Available record drawings of the facilities.
2. *Herbicide Manual* dated 1973 and prepared by Landscaping Bureau
3. Highway Maintenance Guidelines dated April 1, 1979



Information pertinent to the Site Characterization from each of these sources are summarized below:

Record Drawings

The record drawings of the facility were dated October 24, 1952. It should be noted that based on other available sources, it appears most of these structures were already present by 1952. These drawings included a plot plan, foundation plans and other architectural features. Pertinent information from these drawings includes:

- The Plot Plan provided the overall layout of the facility in 1952 which appears consistent with the other historical information. In addition, there are six 'test holes' shown on the figure with profiles. Each of the test holes notes foundry waste, cinders, ash, slag, and/or brick from the ground surface to varying depths.
- The Ground Floor Plan for Building No. 5 (eastern most building) illustrates a machine shop in the central portion of the Site and a Boiler Room to the south of the machine shop.
- The Foundation Plan for Building No. 5 illustrates a pump pit beneath a portion of the boiler room.

The record drawings are included in Appendix 3.

Herbicide Manual

The manual included information on application of herbicides to roadways. The manual included a summary of herbicides utilized which included:

- 2,4-D Low Volatile Ester (CAS # 1928-43-4 or 94-11-1)
- 2,4-D Soluble Amine (CAS # 94-75-7)
- 2,4,5-T Low Volatile Ester (CAS #93-76-5)
- Hyvar X – Bromacil Weed Killer (CAS # 314-40-9)
- Princep 80W (Simazine) (CAS #122-34-9)
- Karmex (Diuron) (CAS # 330-54-1)
- Amino Triazole (Amitrole) (CAS # 61-82-5)
- Dalapon (Dowpon, Radapon) (CAS # 75-99-0)
- Maleic Hydrazide (MH-30T) (CAS # 28382-15-2)
- Maintain CF-125 (CAS # 2536-31-4)

A copy of the Herbicide Manual is included in Appendix 4.

Highway Maintenance Guidelines

This document generally discussed the maintenance of highway rights of way. The chemicals discussed in this manual (and thus potentially stored/utilized at the Site) were the same as the above Herbicide Manual with the exception of the following:

- Tardon 101R (CAS #1918-02-1)
- Krenite (CAS#25954-13-6)
- Embark 2-S (CAS# 53780-34-0)



A copy of the Highway Maintenance Guidelines are included in Appendix 4.

Note, the CAS numbers listed above were not provided in the documentation. The CAS numbers are based the current formulas for these trade names. The actual chemical constituents may vary for the 1970s version and may include other chemicals. These CAS numbers were obtained for informational purposes.

Site Walk with NYSDOT

In addition to the above, LaBella completed a site visit with the NYSDOT to review the Site features and discuss historic uses and owner knowledge of the Site. The NYSDOT internally discussed the Site and historic uses and concern areas. Based on this site visit the following information/areas were discussed:

- An area of hazardous waste storage was identified on the southern central portion of the Site.
- Areas of potential exterior storage where discharges could have occurred which included:
 - An area of storage on the northwest portion of the Site.
 - An area of storage on the central portion of the Site.
 - An area of storage on the western portion of the Site.
 - An oil/water separator.

5.4 Records Search Summary and Findings

Based on the available records, the following summarizes the historic uses of the Site.

- The Site has been developed since at least 1873 when an apparent 'mowing machine factory' was present at the Site. Although detailed information on the use of the Site at this time are not available, it is presumed that this use could have included some use of oils for metal working. The use of the Site before 1873 is unknown.
- The next available information on the Site is from 1915 and the Site use has changed significantly to include a foundry and ice house. These former operations likely utilized oils (for machine shops) and the foundry likely would also have coal or oil use for powering the foundry and also have waste materials such as, cinders, slag, etc. The ice house and foundry appear to have been utilized through at least 1926.
- Based on street directories, it appears that the NYS Department of Public Works occupied the Site as early as 1942. It is unknown when the ice house and foundry were no longer occupying the Site but it appears that sometime between 1926 and 1942 the use changed. The NYS Public Works (and later NYSDOT) uses included storage areas, machine shops, and repair shop areas. In addition, at least one gasoline tank was documented at the Site. Based on this information, it is presumed that the uses included petroleum products (gasoline, diesel, oils, etc.), paints and potentially chlorinated solvents.



- Based on NYSDEC Spills database information, there have been some releases of petroleum products at the Site. Although there are no active NYSDEC Spills at the Site, it is possible for residual petroleum products to be present at the Site.
- There was no information on the Site provided by NYSDEC, NYSDOH or the local government.
- NYSDOT provided record drawings and available historical chemical use information. This facility was utilized to store chemicals used in weed control on roadways. The historic manuals that identified the chemicals in use were utilized to develop the list of parameters for laboratory testing as part of this Site Characterization.

6.0 SITE GEOLOGY AND HYDROGEOLOGY

6.1 *Geology*

The shallow overburden geology at the Site is based on the soil borings advanced as part of this Site Characterization. The overburden soils observed at the Site consists of shallow fill materials consisting of varying amounts of silt, sand, gravel, stone, brick, coal fragments, cinders, and glass generally located from beneath the surface treatments (asphalt, concrete or topsoil) to depths ranging between approximately three (3) and nine (9) feet below ground surface (bgs). It is noted that fill soils are thicker in the northwest portion of the Site in proximity to a pronounced hill. Beneath the fill material, native soils generally consist of glacial outwash and deltaic sands including varying amounts of silt, sand, gravel and cobbles. Soils observed in the saturated zone predominantly consist of sand, gravel and cobbles. It is noted that bedrock was not encountered during this SC.

6.2 *Hydrogeology*

One shallow overburden groundwater zone was identified during the SC. Groundwater was encountered at depths ranging between 1.5 and 20.5 feet bgs. The shallow depth of groundwater was identified in a well below the retaining wall and between the Site and Canacadea Creek. It is noted that the groundwater elevation in MW-09 (approximately 18.5 feet bgs) was significantly lower than that observed in nearby MW-01 (approximately 5.5 feet bgs). The ground surface elevation is approximately 7 feet higher at MW-09 than at MW-01 due to a concrete retaining wall. It is possible that the retaining wall structure may be influencing the groundwater surface elevation at MW-09. The average depth to water across a majority of the Site is approximately thirteen (13) feet bgs. It is noted that though the majority of the Site is generally flat, there is a significant elevation change from north to south, especially along the retaining wall located in close proximity to the southern property line. Groundwater flow direction at the Site was assessed in July 2019 and indicated groundwater generally flows to the south-southeast towards Canacadea Creek. Figure 8 illustrates the apparent groundwater flow pattern.

Each of the nine (9) monitoring wells installed (MW-01 through MW-09) were constructed in the uppermost water bearing zone. The wells were generally screened across the water table to an average depth of 20 feet bgs. A summary of the well construction details, including groundwater elevations collected in July 2019, are presented in Table 2.



7.0 SEWER EVALUATION

The initial phase of the work included completing a boundary survey of the Site to determine the property lines and also provide the locations of buildings, driveways and other pertinent site features (e.g., manholes and catch basins). Shumaker Consulting Engineering and Land Surveying D.P.C. (Shumaker) completed the survey work (see Figure 2) and provided the mapping in April 2019.

Subsequent to obtaining the boundary survey, LaBella retained AP Plumbing to assist with locating and assessing the condition and discharge location of floor drains and storm sewers at the Site. This work was completed in April and May 2019. Each accessible floor drain, manhole and catch basin at the Site was accessed in order to scope the drain to assess the location of piping, condition of piping and discharge location. The drains were cleaned as necessary with a high pressure water jet system as necessary to clean the piping and remove clogs in order to allow scoping with a camera. The findings of this work are summarized below:

1. **Eastern Building (Soils Building)** – Three floor drains were identified in this building. One floor drain was in the boiler room and the other two drains were located in garage portion of the building. It should be noted that there appear to be former drains in the garage portion that have been sealed with concrete. The three floor drains in this building are connected via piping and the piping extends to the west outside the building and then south where it discharges out the retaining wall along the southern property line at the Site within proximity of Canacadea Creek. Figure 3 illustrates the floor drains and the outfall at the retaining wall.
2. **Central Building (Maintenance/Bridge Office Building)** – This building was observed to have numerous roof drains that appear to discharge to the storm sewer system. At least one roof drain in the northeast corner of the building extends east to a manhole off the northeast corner of the building (see 5, d below for additional details) and then south where it appears to connect to other roof drains that convey stormwater to the east side of the building where a storm line extends south to the retaining wall where an outfall is located. It should be noted that immediately before this outfall, the piping is broken or displaced (refer to Figure 3, Photo #7). In addition, some roof drains convey stormwater to the north to an alcove area between portions of the building. This line consists of a 6-inch cast iron pipe and within the alcove area the line was broken and could not be traced further (refer to Figure 3, Photo #3). Since these lines are related to roof drains, the breaks in these lines are not considered an environmental concern but LaBella would recommend repairing these lines. This building also contained a trench drain and two floor drains. The trench drain and one floor drain were documented to be connected and extend to the west side of the building where they are piped west then north to the oil/water separator (refer to Figure 3). In addition, one floor drain in an apparent former repair bay area (current file storage room). This floor drain was noted to have a solid apparent concrete bottom but the drain may have been sealed with concrete at one time. The floor drain could not be accessed with scoping equipment.



3. **Western Building (Storage Building)** – Three floor drains were identified in this building. The floor drains appear to be associated with former service areas and were documented to be interconnected with two roof drains. The floor drains and roof drain discharge piping extended east outside the building and towards an exterior ‘floor drain’ that is set into a concrete pad located directly adjacent to the building. The piping appears to be in-line with the exterior drain; however, the piping was blocked with concrete debris and may be broken (refer to Figure 3, Photo #2). Attempts to clear this line were unsuccessful. NYSDOT attempted to remove a portion of the concrete in this area to facilitate excavation in order to assess the blockage; however, due to thick concrete this attempt was terminated.
4. **Oil/Water Separator** – The oil/water separator was reported to have utilized a pump to evacuate water that drained to the separator. The pumps were reportedly removed several years ago and the separator was not actively used since. In order to assess the discharge location of the oil/water separator, the separator outlet piping was accessed and scoped. After several attempts, the piping was determined to extend to the north of the separator approximately 75 ft. to where pea gravel was observed to be blocking the piping (refer to Figure 3, Photo #1). NYSDOT excavated this area to assess the piping and it was determined that the piping was broken. The piping extended to the east at this point and LaBella attempted to access the piping on the downgradient side to further scope the piping however, the piping was broken throughout the area. It was decided that further excavation may not locate in-tact piping and a storm sewer was located to the east which would limit the ability to excavate in this direction.
5. **Storm Sewers** – The storm sewer catch basins were accessed and assessed to determine the general layout of piping and the condition of this piping. The following pertinent findings are provided:
 - a. The storm sewer that drains the western portion of the Site near the main entrance to the Site has a break in an apparent 12-inch corrugated metal piping section (refer to Figure 3, Photo #8).
 - b. The storm sewer that extends through the central storage area just south of the western building had three significant deteriorated areas/breaks in the piping (refer to Figure 3, Photo #s 4., 5, & 6).
 - c. The storm sewer piping that takes roof drains from the central building and potentially some exterior catch basins has break/displacement in the piping in close proximity to where the piping ‘daylights’ at the retaining wall outfall, as noted in Item #2 above (refer to Figure 3, Photo #7).
 - d. A manhole off the northeast corner of the central building has at least one roof drain connected to this manhole, as noted in 2 above) which then flows south to the stormwater piping discussed in 5, c. above. However, this manhole also has a pipe that receives sanitary flow from at least one interior bathroom in the building. The sanitary pipe previously appears to have been enclosed; however, it appears as though it was accessed at some point and currently there is an open channel through the manhole for the sanitary flow before it flows northeast to another manhole and out to the sanitary system. Although the stormwater and sanitary lines are not directly connected, both are open in the manhole and in the event of significant flow and/or any blockage or obstruction, flow from one could enter the other.



8.0 POTENTIAL AREAS OF CONCERN

Based on the Records Search information and discussions with NYSDOT personnel, the following Potential Areas of Concern (PAOC) were identified at the Site:

1. Existing oil/water separator & sewer piping in this area – This includes the following:
 - a. oil/water separator
 - b. break in the discharge piping to the north of the separator
 - c. sewer piping that extends from the western building to the east toward the oil/water separator. The sewer piping is included in this AOC due to close proximity.
2. Former gasoline UST identified on 1948 and 1961 Sanborn maps
3. Area of former storage in central portion of the Site
4. Area of former storage on western portion of the Site
5. Area of former storage on northwestern portion of the Site
6. Former hazardous waste storage area
7. Wastewater/Drains and Discharge Areas – This includes the following:
 - a. Discharge location of the floor drains from the eastern most building (this is off-site)
 - b. Clogged floor drain in the central building – since this drain could not be accessed, it is unknown if this drain is piped to another location or if it could have been a drywell.
 - c. Breaks in the stormwater piping in the central storage area – although stormwater is not typically a significant concern/source for subsurface impacts, due to the storage/use of chemicals in this area, the area of breaks were assessed as potential locations for release to the subsurface.
 - d. Breaks in the stormwater piping in the northwestern storage area – although stormwater is not typically a significant concern/source for subsurface impacts, due to the storage/use of chemicals in this area, the area of the break in this infrastructure was assessed as a potential location for a release to the subsurface.

These areas are identified on Figure 3 (breaks in piping) and 4 (historic uses).

9.0 METHODOLOGY AND FINDINGS

The SC consisted of advancing soil borings, subsurface soil sampling, surface soil sampling, monitoring well installations, development of monitoring wells and sampling of monitoring wells. Specifically, the following was completed.

1. Prior to any drilling work, a *Dig Safely New York* stakeout was conducted at the Site to locate subsurface utilities in the areas where the subsurface investigation were conducted. Available and relevant utility drawings and/or other information regarding underground utilities was provided by the owner prior to implementation of subsurface work at the Site. In addition, LaBella retained On The Mark to locate utilities prior to drilling.



2. A direct push soil boring study (Geoprobe) was implemented at the Site. A total of thirty-seven (37) soil borings were advanced at the Site. Each soil boring was advanced into the water table or to a depth determined by the project geologist.
3. Soils from the borings were continuously assessed for visible or olfactory indications of impairment, and/or indication of detectable volatile organic compounds (VOCs) with a photo ionization detector (PID). Positive indications from any of these screening methods are collectively referred to as “evidence of impairment.”
4. Subsurface soil samples were collected based on evidence of impairment with samples being taken from worst case locations or from the apparent top of the water table in the absence of evidence of impairment. Soil samples were submitted for laboratory analysis for one or more of the following parameters:
 - United States Environmental Protection Agency (USEPA) Target Compound List (TCL) and New York State Department of Conservation (NYSDEC) Commissioner Policy 51 (CP-51) list volatile organic compounds (VOCs) using USEPA Method 8260, collected via USEPA Method 5035;
 - NYSDEC CP-51 list semi-volatile organic compounds (SVOCs) using USEPA Method 8260;
 - Target Analyte List (TAL) Metals (totals) using USEPA Method 6010 or 7471;
 - Polychlorinated Biphenyls (PCBs) using USEPA Method 8082;
 - Pesticides using USEPA Methods 8141B;
 - Herbicides using USEPA Method 8151A; and,
 - Pesticides using USEPA Method 8081.
5. In addition to the subsurface soil sampling, surface soil samples were also collected. Surface soil samples for this SC are defined as samples from the top 1-ft. below the initial vegetative layer. A total of eight (8) surface soil samples were collected for the following parameters:
 - United States Environmental Protection Agency (USEPA) Target Compound List (TCL) and New York State Department of Conservation (NYSDEC) Commissioner Policy 51 (CP-51) list volatile organic compounds (VOCs) using USEPA Method 8260, collected via USEPA Method 5035;
 - USEPA TCL and CP-51 list semi-volatile organic compounds (SVOCs) using USEPA Method 8270;
 - TAL Metals (totals) using USEPA Method 6010 or 7471;
 - Polychlorinated Biphenyls (PCBs) using USEPA Method 8082;
 - Pesticides using USEPA Methods 8141B;
 - Herbicides using USEPA Method 8151A; and
 - Pesticides using USEPA Method 8081.



6. Nine (9) temporary shallow overburden groundwater monitoring wells were installed at the Site. Each well was completed with ten (10) feet of 0.010-slot well screen connected to an appropriate length of solid PVC well riser to complete the well. Each annulus was sand packed with quartz sand to a nominal depth of two (2) feet above the screen section. The remaining annulus was bentonite-sealed to the ground surface. Well construction logs are included in Appendix 1.
7. Groundwater monitoring wells were developed to remove fines by purging water from each well and collecting groundwater quality readings (pH, conductivity, oxidation-reduction potential (ORP), dissolved oxygen, temperature and turbidity). Well development continued until readings stabilized and/or ten (10) well volumes were removed. Development logs are included in Appendix 1.
8. Approximately 2 weeks after development the wells were sampled (with the exception of MW-1 and MW-2 which were sampled approximately 3 days after development and then decommissioned). The wells were purged and sampled using modified USEPA low-flow methodologies, which included collecting water quality parameters approximately every 5-minutes until the following readings stabilized within the ranges specified:
 - Water level drawdown (<0.3')
 - Temperature (+/- 3%)
 - pH (+/- 0.1 unit)
 - Dissolved oxygen (+/- 10%)
 - Specific conductance (+/- 3%)
 - Oxidation reduction potential (+/- 10 millivolts)
 - Turbidity (+/- 10%, <50 NTU for metals)
9. Groundwater purging and sampling was completed utilizing USEPA low-flow methodologies. Once stabilization of groundwater quality parameters occurred, one (1) groundwater sample was collected from each well and analyzed for the following parameters:
 - USEPA TCL and NYSDEC CP-51 list VOCs using USEPA Method 8260;
 - USEPA TCL and CP-51 list SVOCs using USEPA Method 8270;
 - TAL Metals (totals) using USEPA Method 6010/7471;
 - PCBs using USEPA Method 8082;
 - Pesticides using USEPA Methods 8141B;
 - Herbicides using USEPA Method 8151A; and
 - Pesticides using USEPA Method 8081.
10. Groundwater monitoring wells installed to the south of the Site (MW-01 and MW-02) were removed/decommissioned in accordance with NYSDEC CP-43. The groundwater monitoring wells installed on Site were completed with flush-mount protective well casings or stick-up protective well casings, depending on location.



11. All samples were sent under standard Chain of Custody procedures to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory. Quality assurance/quality control (QA/QC) samples were collected. Analytical Services Protocol (ASP) Category B Deliverables and NYSDEC EQUIS Electronic Data Deliverable (EDDs) were obtained for all sample matrices. A data usability summary report (DUSR) has not been completed; however, this can be completed at a later date.
12. Exploration locations were located with a global positioning system (GPS) or tape measured from existing site features, as necessary.
13. Excess soil cuttings, disposal field materials, development and purge water were containerized in 55-gallon drums stored on-Site pending characterization and disposal by NYSDOT.

A LaBella representative was on-Site during all portions of the field investigation, sampling and well installation activities in order to evaluate surface and subsurface materials for evidence of impairment, and guide the contractor on the work. Soil screening was performed by use of a Photoionization Device (PID) that detects VOCs. All applicable work was done in compliance with the HASP. Work was completed in accordance with NYSDEC *Technical Guidance for Site Investigation and Remediation* (DER-10), dated May 2010. Soil boring logs, well construction logs, well development logs and well sampling logs are included as Appendix 1.

A summary of samples by matrix and results are included in the following table:

SOIL BORING	SAMPLE DEPTH (feet)	VOCs (8260)	SVOCs (8270)	TAL Metals (6010/7471)	PCBs (8082)	Pesticides (8141B)	Pesticides (8081)	Herbicides (8151A)
SB-02	2-5		X	X	X	X	X	X
SB-05	14	X						
SB-12	7.5	X						
SB-12	6.5-10		X	X	X	X	X	X
SB-13	6	X						
SB-14	1.5	X						
SB-14	14-19		X	X	X	X	X	X
SB-18	9	X						
SB-18	3.5-9.5		X	X	X	X	X	X
SB-19	13	X						
SB-19	13-18		X	X	X	X	X	X
SB-20	3	X						
SB-20	3-6		X	X	X	X	X	X
SB-21	13	X						
SB-21	8.5-13.5		X	X	X	X	X	X
SB-22	4	X						
SB-22	3-7		X	X	X	X	X	X



SOIL BORING	SAMPLE DEPTH (feet)	VOCs (8260)	SVOCs (8270)	TAL Metals (6010/7471)	PCBs (8082)	Pesticides (8141B)	Pesticides (8081)	Herbicides (8151A)
SB-25	5.5	X						
SB-25	5-9		X	X	X	X	X	X
SB-28	15	X						
SB-28	5.5-10		X	X	X	X	X	X
SB-30	5	X						
SB-30	0-5		X	X	X	X	X	X
SB-33	14	X						
SB-33	10-15		X	X	X	X	X	X
SB-34	8-12	X	X	X	X	X	X	X
SB-35	0-5	X	X	X	X	X	X	X
SB-36	10-15	X	X	X	X	X	X	X
SB-37	1-2	X						
SB-37	2-6		X	X	X	X	X	X
SS-01	0-1	X	X	X	X	X	X	X
SS-02	0-1	X	X	X	X	X	X	X
SS-03	0-1	X	X	X	X	X	X	X
SS-04	0-1	X	X	X	X	X	X	X
SS-05	0-1	X	X	X	X	X	X	X
SS-06	0-1	X	X	X	X	X	X	X
SS-07	0-1	X	X	X	X	X	X	X
SS-08	0-1	X	X	X	X	X	X	X
SS-09	0-1	X	X	X	X	X	X	X
SS-10	0-1	X	X	X	X	X	X	X
SS-11	0-1	X	X	X	X	X	X	X
SS-12	0-1	X	X	X	X	X	X	X
SS-13	0-1	X	X	X	X	X	X	X
SS-14	0-1	X	X	X	X	X	X	X
SS-15	0-1	X	X	X	X	X	X	X
SS-16	0-1	X	X	X	X	X	X	X
MW-01	9	X	X	X	X	X	X	X
MW-02	10	X	X	X	X	X	X	X
MW-03	15.5	X	X	X	X	X	X	X
MW-04	12	X	X	X	X	X	X	X
MW-05	16.5	X	X	X	X	X	X	X
MW-06	12.5	X	X	X	X	X	X	X
MW-07	12	X	X	X	X	X	X	X
MW-08	14	X	X	X	X	X	X	X
MW-09	22.5	X	X	X	X	X	X	X

Note: Soil borings not listed were not selected for laboratory analysis



A summary of the findings of analytical results for each media is provided in the following subsections. A more detailed discussion on the nature and extent of contaminants including mass calculations is included in Section 9.

9.1 Field Observations

During the SC, PID readings were continuously collected from each soil boring during the investigation and are summarized below. Each PID reading represents the highest reading observed within the specified depth interval. PID readings are presented in parts per million (ppm).

SOIL BORING	0-2ft	3-5 ft	6-8 ft	9-11ft	12-14ft	15-17 ft	18-20 ft	20-22 ft	23-25 ft
SB-01	0	0	0	0	0.2	0.4	0.3	0	0
SB-02	0.7	1.0	1.7	1.5	1.3	0.7	0.7	0	0
SB-03		1.2	1.9	0.6	0.7	1.0	0	0	0
SB-04	0.4	0.2	0	0	0	1.9	0.4	0	0
SB-05	0.1	2.0	1.0	0.5	16.0	2.0	0.5	0.5	0
SB-06	0.1	0.1	1.8	0.3	0.2	0	0	0.3	0
SB-07	0	0	0	0	0	0	0	0	0
SB-08	0	0	0	0	0	0	0	0	0
SB-09	0	0	0	0	0	0	0	0	0
SB-10	0	0	0.2	0	0	0	0	0	0
SB-11	0	0	0	0	0	0	0	0	0
SB-12	0.5	0	0	0	0	0	0	0	0
SB-13	1.4	0	12	6.3	3.4	1.6	2.1	0	0
SB-14	8	2.8	1.8	1.8	1.6	1.4	0.6	0	0
SB-15	.8	0.7	1.1	0.8	1.0	0.8	0	0	0
SB-16	2.1	2.0	1.7	1.0	0.8	0.6	0	0	0
SB-17	9.0	2.5	2.2	1.8	2.0	2.1	1.4	0	0
SB-18	1.2	2.0	1.4	13.6	0.2	0	0	0	0
SB-19	3.3	7.2	2.3	2.3	7.9	2.8	1.8	0	0
SB-20	5.3	18.0	11.2	1.7	0.8	0.6	0.9	0	0
SB-21	0.5	0.2	0	0.5	0	0	0	0	0
SB-22	0	0	0	0	0	0	0	0	0
SB-23	0	0	0	0	0	0	0	0	0
SB-24	0	3.9	0	0	0	0	0	0	0
SB-25	2.5	7.7	62	24.0	3.2	1.3	0	0	0
SB-26	0.8	0.8	0.3	1.0			0	0	0
SB-27	2.4	3.7	5.0	4.1	2.0	0.2	0	0	0
SB-28	2.5	2.8	2.3	0.5	0	0	0	0	0
SB-29	0	0	0	0	0	0	0	0	0
SB-30	0	0	0	0	0	0	0	0	0
SB-31	0	0	0	0	0	0	0	0	0
SB-32	0	0	0	0	0	0	0	0	0
SB-33	0	0	0	0	0.3	0	0	0	0
SB-34	0	0	267	282	25.5	32.0	2.0	0	0



SOIL BORING	0-2ft	3-5 ft	6-8 ft	9-11ft	12-14ft	15-17 ft	18-20 ft	20-22 ft	23-25 ft
SB-35	2.2	2.0	0.1	0	0	0.1	1.2	0	0
SB-36	1.0	2.4	3.7	3.6	0.2	0	0	0	0
SB-37	200.2	15.3	10.4	4.4	9.7	0	0	0	0

In addition, field observations were also made throughout the SC fieldwork. The following observations were made:

1. Fill material was observed in each soil boring. Fill materials were observed from the ground surface to depths ranging from approximately three (3) to nine (9) feet in depth with an average thickness of six (6) feet.
2. Staining and/or odors were observed in the following borings at the listed depths below ground surface (bgs):

Staining and/or petroleum-type odors:

- SB-04 (light grey staining from 5-6 feet; no odor)
- SB-06 (grey-black staining from 6-6.5 feet; no odor)
- SB-07 (grey staining from 4-4.5 feet; no odor)
- SB-09 (grey staining from 3.5-5.5 feet; no odor)
- SB-12 (grey-black fill with yellow paint chips from 5-7 feet; no odor)
- SB-13 (black fill with faint sweet odor from 1.3-1.5 feet)
- SB-13 (grey-black fill from 5-7 feet; no odor)
- SB-14 (oily film, oil droplets at 14+ feet, faint petroleum-type odor)
- SB-17 (dark brown fill with green, yellow & red primer paint chips from 1-2.2 feet, no odor)
- SB-18 (grey-black staining from 8.5-10 feet, some slag, no odor)
- SB-19 (black staining from 12.5-14 feet, petroleum-type odor)
- SB-20 (black discolored fill materials including cinders, coal from 3-8.5 feet, no odor)
- SB-21 (black discolored fill material including likely coal from 7-7.5 feet, no odor)
- SB-23 (grey-black silt, sand and cinder-like material from 0.25-1 foot, no odor)
- SB-24 (dark brown to black silt, cinder and coal-like fill materials from 3.75-5 feet, no odors)
- SB-25 (dark grey to black staining in fill materials from 4.5-9.25 feet, petroleum-type odors)
- SB-27 (grey staining in fill materials from 3.5-5.25 feet, no odors)
- SB-28 (grey-black fill including cinder and slag-like material, no odors)
- SB-34 (black staining from 8-12 feet, petroleum-type odors)
- SB-35 (brown-black sand and fill material from 3.5-4 feet, no odors)
- SB-36 (black stained fill materials from 8-10 feet, no odor)
- SB-37 (brown-black shallow fill from 0.5-3 feet, light odor)



It is noted that borings not listed above did not reveal significant evidence of staining or odor. Other than the petroleum-type odors noted above, no unusual chemical odors were observed in surface soils or subsurface soils.

3. Significant odors and/or a sheen were not observed on groundwater during monitoring well development, purging or sampling.

9.2 Surface Soil Sampling Results

A summary of the surface soil sampling results is provided below:

VOCs

A total of sixteen (16) surface soil samples were analyzed for VOCs. Of these samples, fifteen (15) samples had detected VOCs, though most detections were at estimated concentrations. Of the fifteen (15) samples with detected VOCs only three (3) of the samples exceeded the NYSDEC Part 375-6.8(a) Unrestricted Use SCOs and none of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs. It is noted that the three (3) detections above NYSDEC Part 375-6.8(a) Unrestricted Use SCO were of acetone, a common laboratory artifact due to its frequent use as a system monitoring compound.

SVOCs

A total of sixteen (16) surface soil samples were analyzed for SVOCs. Of these samples, nine (9) samples had detected SVOCs. Of the nine (9) samples with detected SVOCs only two (2) of the samples exceeded the NYSDEC Part 375-6.8(a) Unrestricted Use SCOs and none of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs.

Metals

A total of sixteen (16) surface soil samples were analyzed for metals. Of these samples, sixteen (16) samples had detected metals. Of the sixteen (16) samples with detected metals ten (10) of the samples exceeded the NYSDEC Part 375-6.6(a) Unrestricted Use SCOs and none of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs.

PCBs

A total of sixteen (16) surface soil samples were analyzed for PCBs. Of these samples, one (1) sample had an estimated PCB detection. The estimated PCB detection in sample SS-16 did not exceed the NYSDEC Part 375-6.8(a) Unrestricted Use SCO. None of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs.

Pesticides/Herbicides

A total of sixteen (16) surface soil samples were analyzed for Pesticides and Herbicides. No pesticides or herbicides were detected in these sixteen (16) samples. None of the samples exceeded the NYSDEC Part 375-6.8(a) Unrestricted Use SCOs and none of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs. It should be noted that many of the pesticides and herbicides tested for do not have NYSDEC Part 375-6 SCOs.



9.3 Subsurface Soil Sampling Results

A summary of the subsurface soil sampling results is provided below:

VOCs

A total of sixteen (16) subsurface soil samples were analyzed for VOCs. Of these samples, fifteen (15) samples had detected VOCs, including estimated detections. Of the fifteen (15) samples with detected VOCs six (6) of the samples exceeded the NYSDEC Part 375-6.8(a) Unrestricted Use SCOs and none of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs. It is noted that four (4) of the VOC detections were of the compound acetone, a common laboratory artifact due to its frequent use as a system monitoring compound.

SVOCs

A total of sixteen (16) subsurface soil samples were analyzed for SVOCs. Of these sixteen (16) samples, nine (9) samples had detected SVOCs. Of the nine (9) samples with detected SVOCs, only two (2) samples exceeded the NYSDEC Part 375-6.8(a) Unrestricted Use SCOs. None of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs.

Metals

A total of sixteen (16) subsurface soil samples were analyzed for metals. Of these samples, sixteen (16) samples had detected metals. Of the (16) samples with detected metals, eight (8) of the samples exceeded the NYSDEC Part 375-6.8(a) Unrestricted Use SCOs and only one (1) sample exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs for zinc (SB-25).

PCBs

A total of sixteen (16) subsurface soil samples were analyzed for PCBs. Of these samples, one (1) sample (SB-14) had an estimated detection of PCBs. The estimated PCB detection did not exceed the NYSDEC Part 375-6.8(a) Unrestricted Use SCO. None of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCO.

Pesticides/Herbicides

A total of seventeen (17) subsurface soil samples were analyzed for Pesticides and Herbicides. Of these samples, one (1) sample had detected pesticides (SB-36). This sample exceeded the NYSDEC Part 375-6.8(a) Unrestricted Use SCOs for pesticides. None of the samples exceeded the NYSDEC Part 375-6.8(b) Industrial Use SCOs. It should be noted that many of the pesticides and herbicides tested for do not have NYSDEC Part 375-6 SCOs. No herbicides were detected in these samples.

9.4 Groundwater Sampling Results

A summary of the groundwater sampling results is provided below:

VOCs

A total of nine (9) groundwater samples were analyzed for VOCs. Nine (9) of these samples had detected VOCs. None of the nine (9) samples exceeded the NYSDEC 6 NYCRR Part 703 Groundwater Quality Standards for Class GA groundwater for VOCs. It is noted the majority of VOC



detections in groundwater were estimated concentrations, four (4) of which were of the compound acetone, a common laboratory artifact due to its frequent use as a system monitoring compound.

SVOCs

A total of nine (9) groundwater samples were analyzed for SVOCs. SVOCs were not detected in any of the nine (9) groundwater samples. Therefore none of the samples exceeded the NYSDEC 6 NYCRR Part 703 Groundwater Quality Standards for Class GA groundwater for SVOCs.

Metals

A total of nine (9) groundwater samples were analyzed for metals. Metals were detected in all nine (9) samples. Of the nine (9) samples with metals detections, nine (9) of these samples exceeded the NYSDEC 6 NYCRR Part 703 Groundwater Quality Standards for Class GA groundwater.

PCBs

A total nine (9) groundwater samples were analyzed for PCBs. PCBs were not detected in any of the nine (9) groundwater samples. Therefore none of the samples exceeded the NYSDEC 6 NYCRR Part 703 Groundwater Quality Standards for Class GA groundwater for PCBs.

Pesticides/Herbicides

A total nine (9) groundwater samples were analyzed for pesticides and herbicides. Pesticides and herbicides were not detected in any of the nine (9) groundwater samples. Therefore none of the samples exceeded the NYSDEC 6 NYCRR Part 703 Groundwater Quality Standards for Class GA groundwater for pesticides or herbicides. It is noted that organophosphorus compounds were also not detected in the groundwater samples.

9.5 Quality Assurance/Quality Control

Quality Assurance/Quality Control (QA/QC) sampling was completed throughout the project. QA/QC sampling included completing duplicate samples and Matrix Spike/Matrix Spike Duplicate samples. Although a 3rd party data usability summary report (DUSR) was not completed for the laboratory reports, all laboratory reports were provided as an ASP Category B deliverable and a DUSR can be completed at a later date. LaBella assessed the laboratory data for accuracy and the duplicate samples for data repeatability and the data appears to be reliable and accurate for use in the SC.

9.6 Investigation Derived Waste

Investigation derived waste was placed in 55-gallon drums and staged at the Site for disposal by NYSDOT.

9.7 Fish and Wildlife Resources Impact Analysis

The nearest body of water to the Site is Canacadea Creek. A Fish and Wildlife Resources Impact Analysis (FWRIA) was not completed during the SC since the type and extent of any impacts were not known. Based on the work completed, it does not appear that the Site has any significant contaminant plumes emanating from the Site and thus conducting a FWRIA does not appear necessary in relation to impacts emanating from the Site. However, it is noted that some floor drains have been documented to discharge to the south in close proximity to Canacadea Creek and any historic discharges are unknown.



10.0 SUMMARY OF FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

Based on the work completed the following summarizes the findings and provides conclusions and recommendations for each Potential Area of Concern that was identified for the Site:

1. **Existing Oil/Water Separator and Sewer Piping**

Boring SB-34 was advanced adjacent to the west side of the oil/water separator and directly south of the broken drain piping extending from the western building. Boring SB-34 was also converted into a well (MW-8). In addition, boring SB-35 was advanced at the location of the break in the oil/water discharge pipe approximately 75 ft. north of the oil/water separator. Boring SB-35 did not identify impacts during field observations and a soil sample from this area did not identify VOCs, SVOCs, Metals, Pesticides or PCBs above SCGs. Boring SB-34 identified some petroleum impacts during advancement of the soil boring (odors and PID readings) and a sample from this location identified two petroleum related VOCs above the SCGs. However, a groundwater sample from this location did not identify VOCs above SCGs.

Conclusions:

Based on the work completed, a release of petroleum products has occurred in the area of SB-34. The release may be due to the broken sewer pipe extending from the western building which historically conveyed floor drain discharges or the oil/water separator. The impacts include petroleum related VOCs; however, a groundwater sample from this location did not identify concentrations of concern. Based on this, it appears that the release is limited in extent.

Recommendations:

Based on discussions with NYSDOT, the oil/water separator is being planned for replacement. It is recommended that:

- a. At the time the oil/water separator is replaced, impacted soil (and potentially groundwater) be removed. The impacted soil should be replaced with clean fill.
- b. The broken sewer piping extending east from the western building should be located and the discharge location determined. In the event the piping is determined to go to the storm sewer, the interior floor drains should be permanently sealed to prevent discharges to the storm sewer. The discharge location of this piping may warrant further evaluation if it is not located in an area previously assessed.

2. **Former gasoline UST identified on 1948 and 1961 Sanborn maps**

A soil boring (SB-20) was advanced in proximity to this former UST and evidence of impairment was not identified in the soil boring. A soil sample for VOCs, SVOCs, Metals, PCBs and Pesticides/Herbicides did not identify any constituents at concentrations above the SCGs.

Conclusions:

Based on the work completed, there does not appear to be a release of petroleum compounds of significance.

Recommendations:

No further work is recommended for this area.



3. **Area of former storage in central portion of the Site**

The evaluation of this area included eight (8) soil borings (SB-6B, SB-7 through SB-12 and SB-22), one monitoring well (MW-6) and two surface soil samples (SS-13 and SS-15). With the exception of the fill materials, staining and paint chips, there were no field observations of significance related to evidence of impairment. Two (2) subsurface soil samples were collected with one analyzed for VOCs and one analyzed for SVOCs, Metals, PCBs and Pesticides. The subsurface soil samples did not identify constituents of concern with the exception of some metals above SCGs. It should be noted that acetone was detected above SCGs in the subsurface VOC sample from this location; however, it is anticipated that this is a lab contaminant and not representative of subsurface conditions. The two (2) surface soil samples did not detect constituents above SCGs. The groundwater sample from this area did not detect constituents above SCGs with the exception of sodium.

Conclusions:

Based on the work completed, some impacts to the subsurface for metals are present in the area of one of the breaks in the stormwater piping. Although above the more stringent SCGs, the impacts identified are in subsurface soils and not an exposure concern (except in the event of subsurface excavation). Based on the impacts identified, this area does not appear to represent a significant remedial concern, rather these impacts could be managed in-place.

Recommendations:

It is recommended that a Site Management Plan be developed and this area be included. In addition, it is recommended that the storm sewer piping be replaced throughout this area due to the numerous breaks in the piping. During the replacement of the piping any areas of impacts that do not appear consistent with the information obtained to date could be addressed at that time.

4. **Area of former storage on western portion of the Site -**

The evaluation of this area included nine (9) soil borings (SB-16, SB-17, SB-18, SB-24 through SB-29), two (2) monitoring wells (MW-3 and MW-4) and four (4) surface soil samples (SS-06, SS-07, SS-08 and SS-11). Fill materials were observed in each of these borings and a petroleum odor was observed in SB-25 as well as a sheen in this boring. Six (6) subsurface soil samples were collected with three (3) analyzed for VOCs and three (3) analyzed for SVOCs, Metals, PCBs and Pesticides. The subsurface soil samples did not identify constituents of concern with the exception of some SVOCs and metals above SCGs. The four (4) surface soil samples did not detect constituents above SCGs with the exception of zinc in one sample. The groundwater samples from this area detected sodium in both samples and aluminum in one sample above SCGs.

Conclusions:

Based on the work completed, there are impacts to the subsurface for metals and petroleum in this area. The concentrations of some metals are significantly elevated in comparison to other samples at the Site. Specifically zinc (SB-25 (5-9') at 36,200 ppm), lead (SB-17 (1-4') at 1,530 ppm) and cadmium (SB-25 (5-9') at 7.36 ppm). The petroleum impacts in this area do not appear to be impacting groundwater and thus appear relatively limited in extent.



Recommendations:

It is recommended that a Site Management Plan be developed and this are be included in order to manage future excavations in this area of the Site.

5. Area of former storage on northwestern portion of the Site

The evaluation of this area included six (6) soil borings (SB-1 through SB-6), one monitoring well (MW-5) and two surface soil samples (SS-09 and SS-10). With the exception of fill materials and some limited staining, there were no field observations of significance related to evidence of impairment. Two (2) subsurface soil samples were collected with one analyzed for VOCs and one analyzed for SVOCs, Metals, PCBs and Pesticides. The subsurface soil samples did not identify constituents of concern with the exception of lead in one sample slightly above SCGs. It should be noted that trichloroethylene (TCE) was detected in sample SB-05 (14'); however, the concentration is below the SCGs. The two (2) surface soil samples did not detect constituents above SCGs with the exception of some metals. The groundwater sample from this area did not detect constituents above SCGs with the exception of sodium.

Conclusions:

Based on the work completed, there are impacts to the subsurface for lead in this area. Although TCE detections are not above the SCGs, it is possible that other locations in this area could have slightly higher concentrations.

Recommendations:

It is recommended that a Site Management Plan be developed and this are be included in order to manage future excavations in this area of the Site.

6. Former hazardous waste storage area

The evaluation of this area included one (1) soil boring (SB-14), one monitoring well (MW-7) and one surface soil sample (SS-14). Some fill materials were observed in this soil boring and some oil was observed on soil at the apparent top of the water table. Two (2) subsurface soil samples were collected with one analyzed for VOCs and one analyzed for SVOCs, Metals, PCBs and Pesticides. The subsurface soil samples did not identify constituents of concern above SCGs. It should be noted that tetrachloroethylene (PCE) and PCBs were detected in the subsurface samples; however, the concentrations were below the SCGs. The surface soil sample did not detect constituents above SCGs with the exception of acetone slightly above the SCGs; however, the acetone detection is likely not representative of subsurface conditions. The groundwater sample from this area did not detect constituents above SCGs with the exception of sodium.

Conclusions:

Based on the work completed, there are petroleum impacts to the subsurface in this area. The concentrations of soil and groundwater samples in this area did not identify concentrations of VOCs/SVOCs or other constituents at concentrations of concern; however, field observations noted an oily film with some droplets of oil.



Recommendations:

It is recommended that a Site Management Plan be developed and this are be included in order to manage future excavations in this area of the Site. In addition, some limited additional testing may be warranted in this area to confirm that any impacts are limited in extent.

7. Discharges from Wastewater/Drains and Miscellaneous Areas

The evaluation of wastewater/drains and associated discharge areas are included in the above items with the exception of:

- a. Discharge location of the floor drains from the eastern building. The assessment of this area included collecting a surface soil sample from the discharge location below the retaining wall which was analyzed for VOCs, SVOCs, Metals, Pesticides/Herbicides and PCBs. This sample did not detect constituents above SCGs.

Conclusions:

The discharges from these floor drains do not appear to have significantly impacted surface soils at the location of discharge.

Recommendations:

Although there does not appear to be a remedial concern at the surface at the point of discharge, the floor drains should be permanently closed or re-routed to the sanitary sewer.

- b. Discharge location of storm sewer from central portion of the Site. Due to an outfall at the retaining wall and the potential for sanitary sewer to enter this storm line, a surface soil sample (SS-3) was collected from this outfall area. This sample identified elevated metals in the surface soil. In particular, cadmium was detected at an elevated concentration.

Conclusions:

The manhole off the northeast corner of the central building receives both sanitary and stormwater and under certain conditions stormwater could go to sanitary and sanitary could go to storm. Historic discharges to this outfall have resulted in some impacts to the surface soil at this location.

Recommendations:

It is recommended that the manhole with both storm and sanitary be removed and replaced with two separate manholes. One manhole should be utilized for conveying sanitary sewer and one for stormwater. In addition, some removal of surficial impacts at the discharge location should be completed. In addition, the break in the stormwater piping directly north of the retaining wall should be repaired. During repair of this piping, a sample of the soil from this area should also be collected to determine if it is impacted.



- c. Discharge location of stormwater from the central portion of the Site to the two outfalls below the retaining wall. SS-04 and SS-05 were collected from these locations. It should be noted that the one outfall includes a large (approximate 36-inch) outfall that appears to be from the City of Hornell and conveys storm water from upgradient of the Site in addition to at least one catch basin on-site. Metals were identified in soil at concentrations above SCGs from these samples.

Conclusions:

Historic discharges to these outfalls have resulted in some impacts to the surface soils at this location. The concentrations exceed the most stringent SCGs but are below restricted use SCGs.

Recommendations:

It is recommended that some removal of surficial impacts at the discharge location be completed.

- d. Discharge location of stormwater from the western portion of the Site to an outfall below the retaining wall. SB-30 was advanced and a soil sample collected from this location. Metals were identified in soil at concentrations above SCGs from a sample from 0-5 ft. bgs from this location.

Conclusions:

Historic discharges to this outfall appear to have resulted in some impacts to the surface soils at this location. The concentrations exceed the most stringent SCGs but are below restricted use SCGs.

Recommendations:

Since the exceedences are only slightly above the most stringent SCGs and the sample was from 0-5 ft. bgs, remedial work does not appear warranted in this area.

- e. Floor drain within the central building. The discharge location could not be determined and due to the potential for the floor drain to be a dry well, SB-37 was advanced directly adjacent to this drain. A soil sample was not obtained from this location since there was no evidence of impairment observed in the boring. It should be noted that the PID indicated some elevated readings but this appeared to be due to moisture and not evidence of impairment.

Conclusions:

A release to the subsurface in proximity to the floor drain does not appear to be a concern.

Recommendations:

No further work is recommended for this location.



- f. In addition to the above, additional borings/wells were completed to assess the overall site. Two borings, one wells and a surface soil sample were completed downgradient of the eastern building. A subsurface soil sample from SB-19 identified a petroleum related VOC (ethylbenzene) s in SB-19 above SCGs and a boring below the retaining wall (off-site), SB-36, identified pesticides above SCGs at a sample 10-15 ft. bgs.

Conclusions:

Based on the work completed, there are some petroleum impacts to the subsurface south of the eastern building. This area appears to have a former fuel tank/dispenser and an apparent waste oil tank also. One VOC (SB-19 at 13') exceeds SCGs and some petroleum odors but these appear to be at depth and a groundwater sample from this location did not identify impacts above SCGs.

Recommendations:

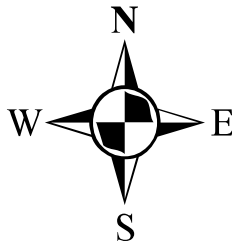
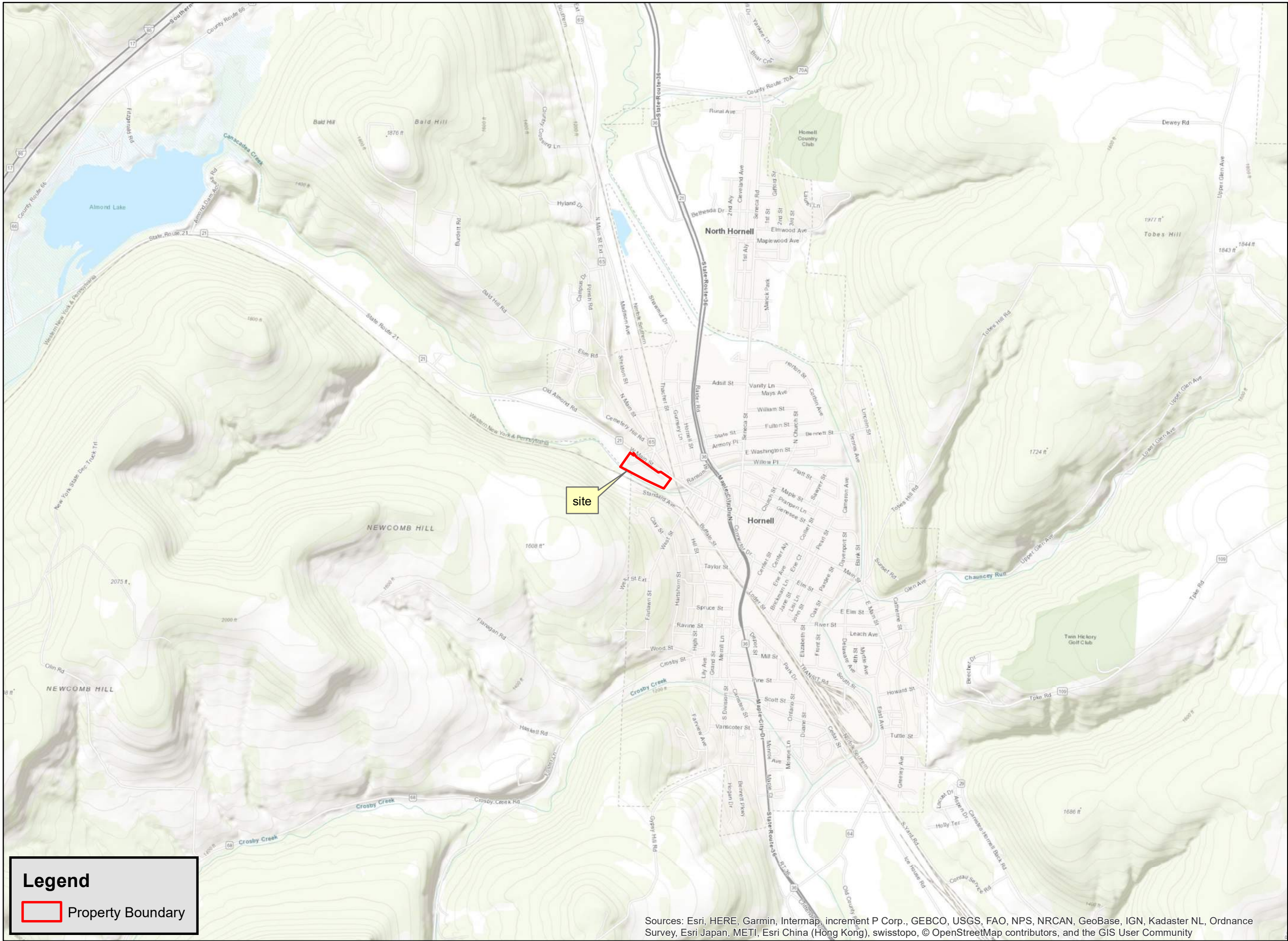
A limited removal of soil from this area may be possible; however, due to utilities, building foundation and the retaining wall, it is likely that any removal will be limited in extent. It is recommended that the apparent waste oil UST and the former fuel dispense be removed if no long utilized and during removal of these features an assessment of soil underlying these features be completed. In the event that impacts are apparent in these areas removal of impacts to the extent feasible is recommended. In the event that these features do not appear to have impacted the subsurface, then management of the deeper impacts identified in this SC are recommended through a Site Management Plan.

J:\NYSDOT\2170285 - HAZARDOUS MAT. ASSESSMENT\REPORTS - PINS\6806.52.401 - HORNELL - 30 WEST MAIN STREET\SITE CHARACTERIZATION REPORT\RPT.2019.12.03 - 30 WEST MAIN SITE CHARACTERIZATION - PIN 6806.52.401 REV 1.DOCX





FIGURES



0 1,000 2,000 Feet


1 inch = 2,000 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:



Site Characterization
Report
30 West Main Street
Hornell, New York

DRAWING NAME:

SITE LOCATION MAP

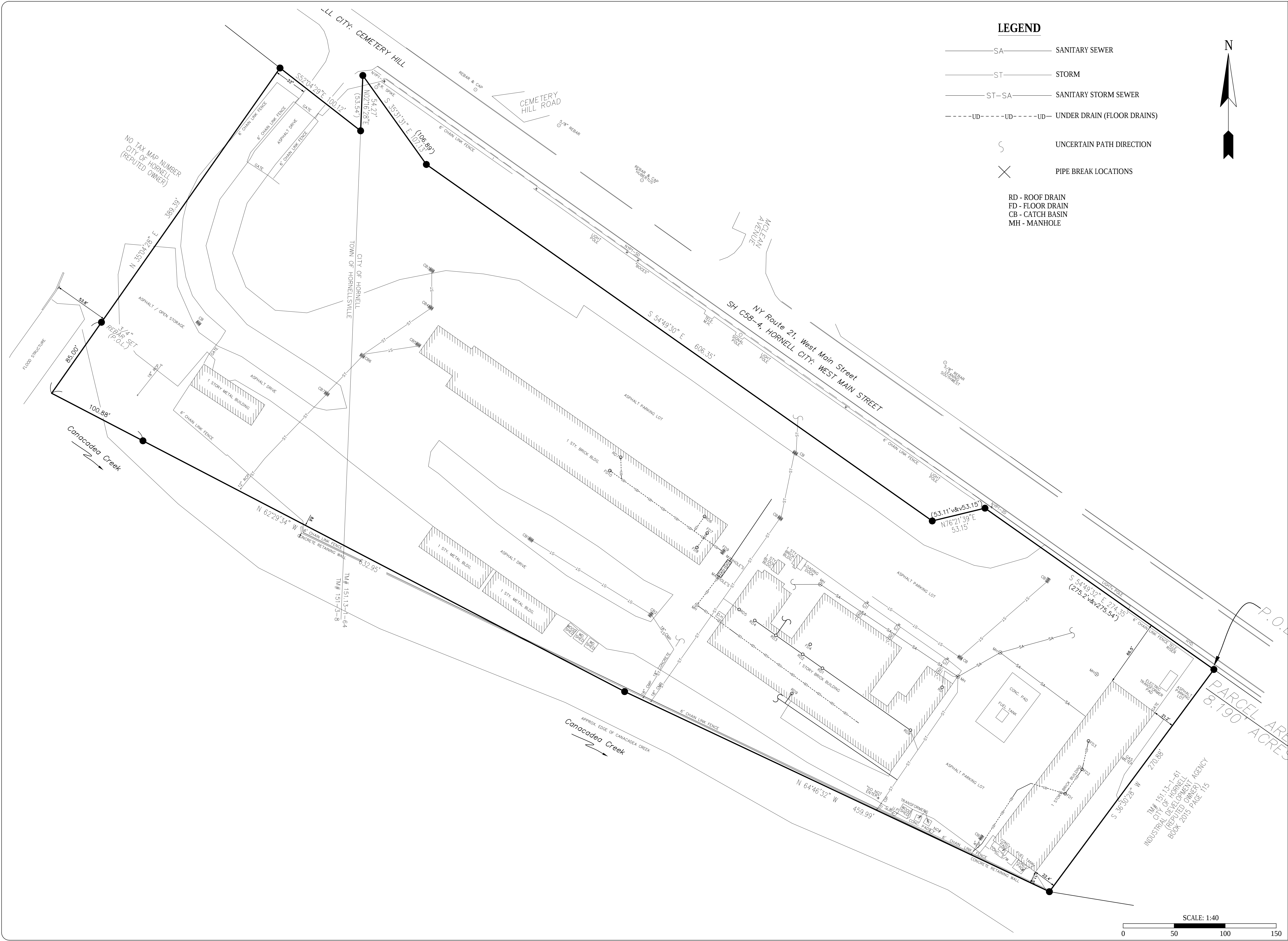
PROJECT #/DRAWING #/ DATE

2170285

FIGURE 1

9/30/2019

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community



LEGEND

- SA SANITARY SEWER
- ST STORM
- ST-SA SANITARY STORM SEWER
- UD UNDER DRAIN (FLOOR DRAINS)
- UNCERTAIN PATH DIRECTION
- PIPE BREAK LOCATIONS
- RD - ROOF DRAIN
- FD - FLOOR DRAIN
- CB - CATCH BASIN
- MH - MANHOLE



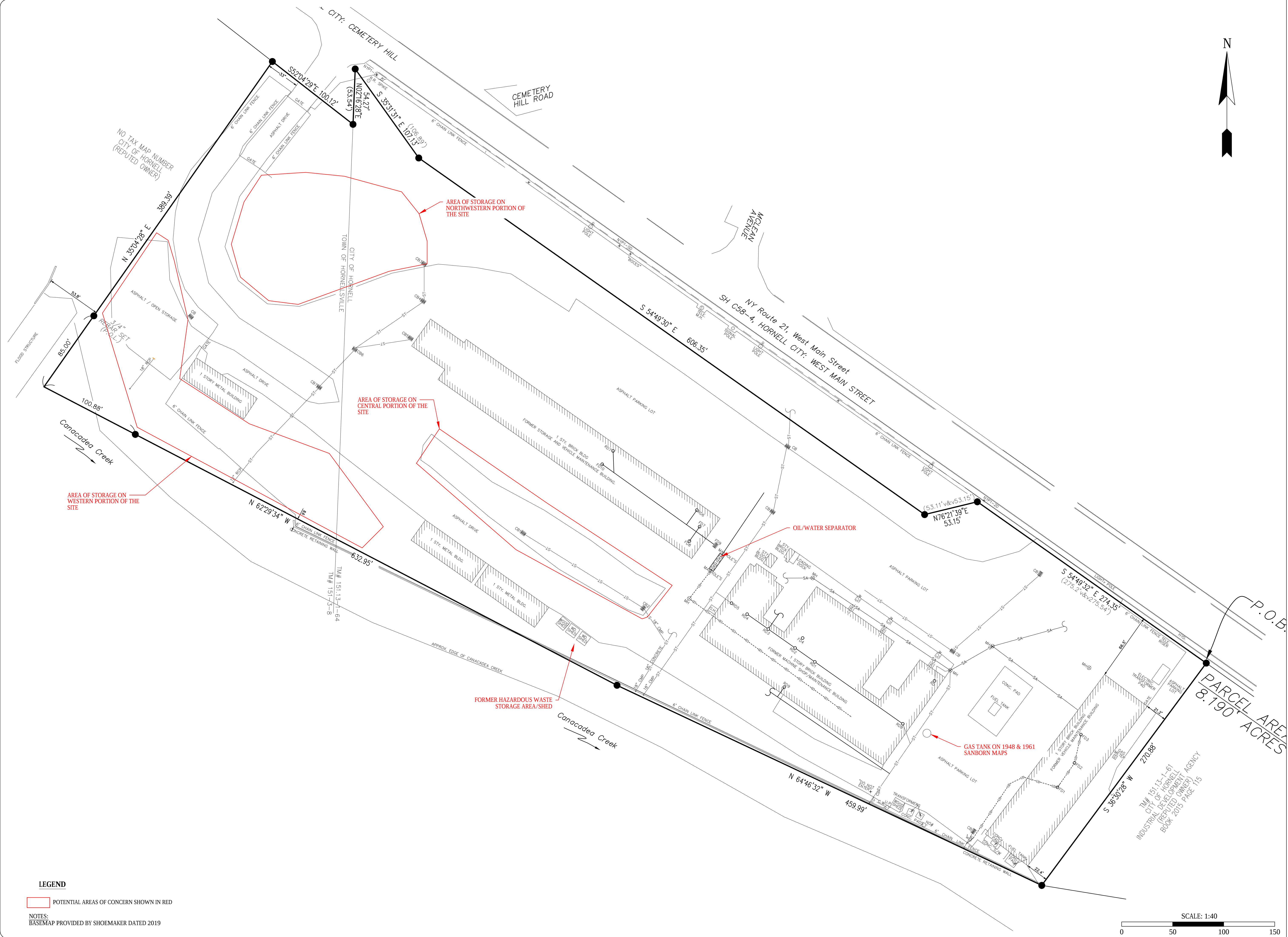
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PROJECT CLIENT
LIMITED SITE CHARACTERIZATION
30 WEST MAIN STREET
HORNELL, NEW YORK
NYS DOT MAINTENANCE FACILITY

DRAWING TITLE	DESIGNED BY:	ED
SITE BOUNDARY		DRP
ISSUED FOR	DRAWN BY:	ED
DATE: SEPTEMBER 2019		
REVIEWED BY:		

PROJECT/DRAWING NUMBER
2170285
FIGURE 2



LEGEND

POTENTIAL AREAS OF CONCERN SHOWN IN RED

NOTES:
BASEMAP PROVIDED BY SHOEMAKER DATED 2019

NO.	REVISION	BY	DATE
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PROJECT/CLIENT

LIMITED SITE CHARACTERIZATION
30 WEST MAIN STREET
HORNELL, NEW YORK
NYS DOT MAINTENANCE FACILITY

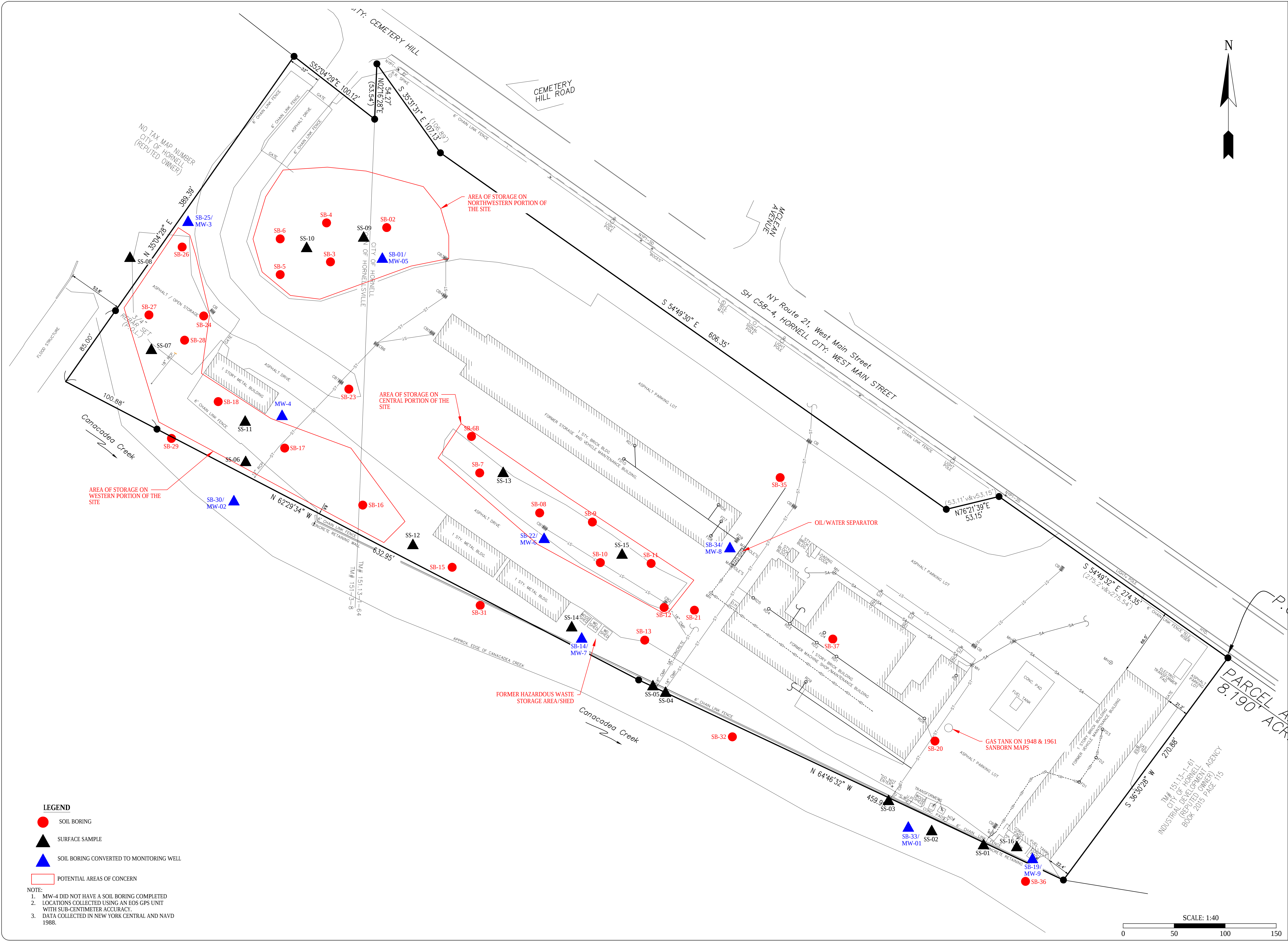
LaBella

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DRAWING TITLE	DESIGNED BY:	---
POTENTIAL AREAS OF CONCERN	DRAWN BY:	DRP
	DATE:	MAY 2019
	REVIEWED BY:	---

ISSUED FOR	PROJECT/DRAWING NUMBER
	2170285
	FIGURE 2A

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LEGEND

- SOIL BORING
- ▲ SURFACE SAMPLE
- ▲ SOIL BORING CONVERTED TO MONITORING WELL
- POTENTIAL AREAS OF CONCERN

NOTE:

1. MW-4 DID NOT HAVE A SOIL BORING COMPLETED
2. LOCATIONS COLLECTED USING AN EOS GPS UNIT WITH SUB-CENTIMETER ACCURACY.
3. DATA COLLECTED IN NEW YORK CENTRAL AND NAVD 1988.

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PROJECT/CLIENT

LIMITED SITE CHARACTERIZATION
30 WEST MAIN STREET
HORNELL, NEW YORK
NYS DOT MAINTENANCE FACILITY

LaBella

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DRAWING TITLE

SITE CHARACTERIZATION TESTING
LOCATIONS

ISSUED FOR

DESIGNED BY: _____

DRAWN BY: _____

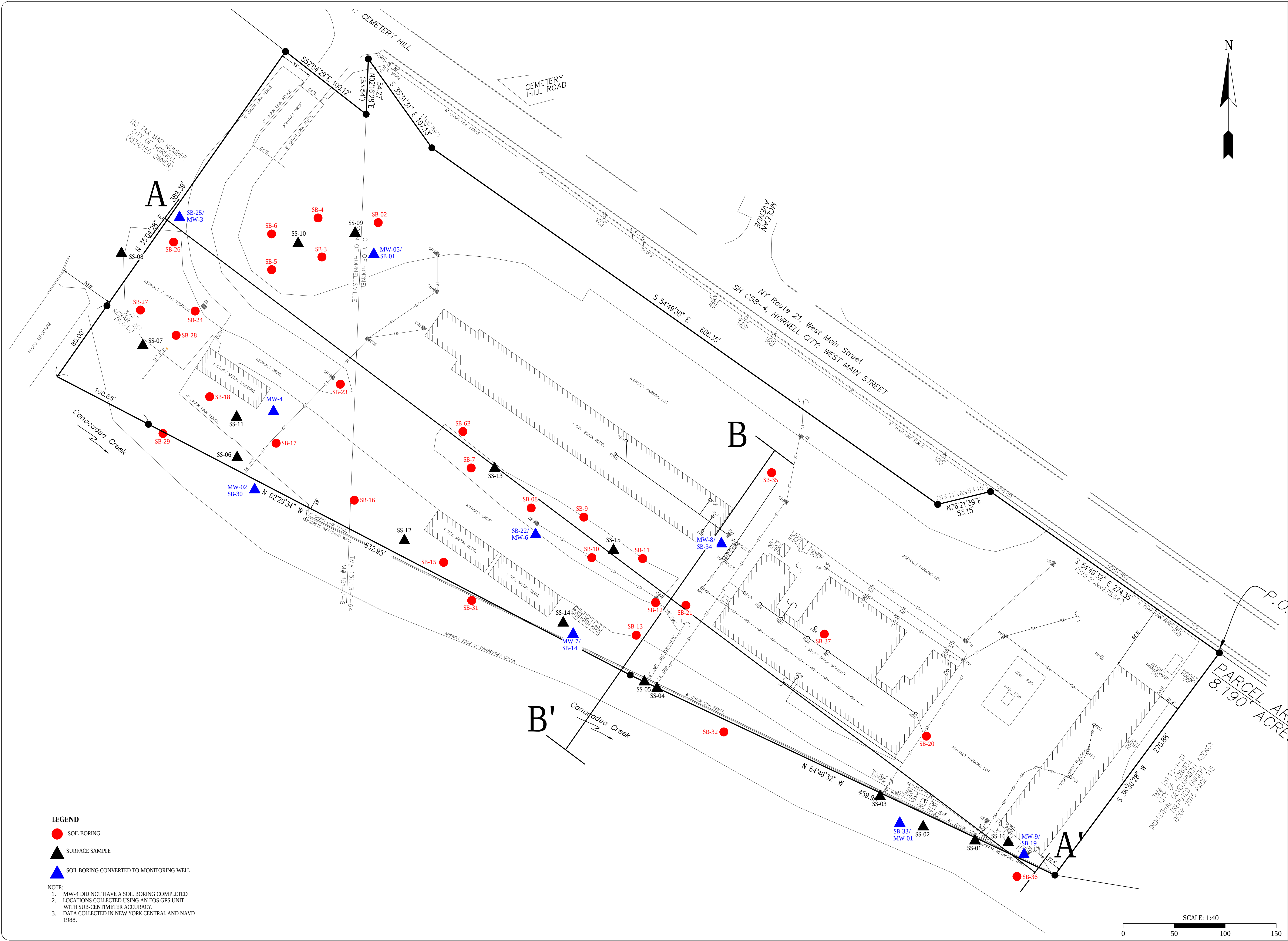
DATE: MAY 2019

REVIEWED BY: _____

PROJECT/DRAWING NUMBER

2170285

FIGURE 4



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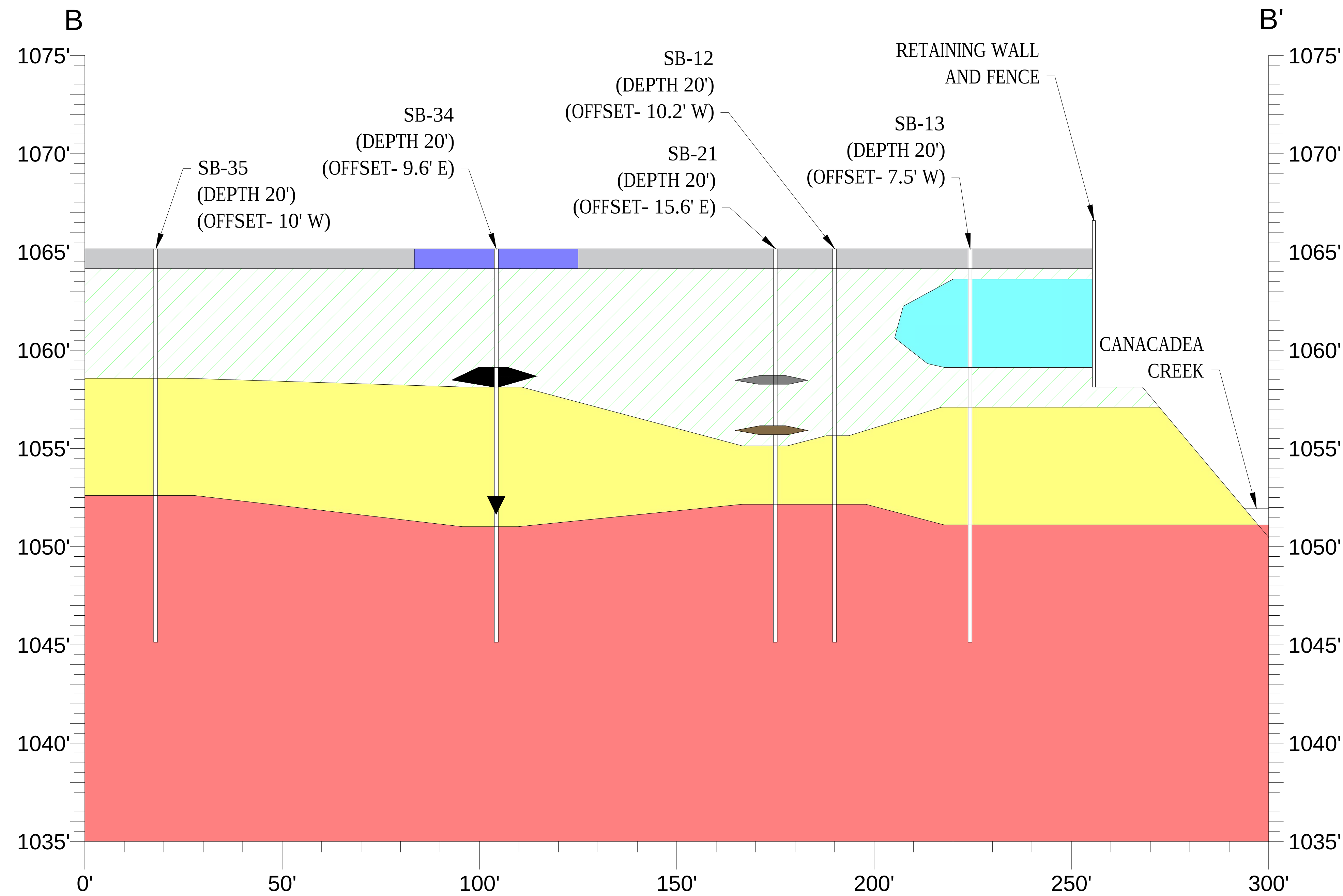
LIMITED SITE CHARACTERIZATION
30 WEST MAIN STREET
HORNELL, NEW YORK
NYS DOT MAINTENANCE FACILITY

ISSUED FOR	DESIGNED BY	DRAWN BY	DRP

PROJECT/DRAWING NUMBER

2170285

FIGURE 5

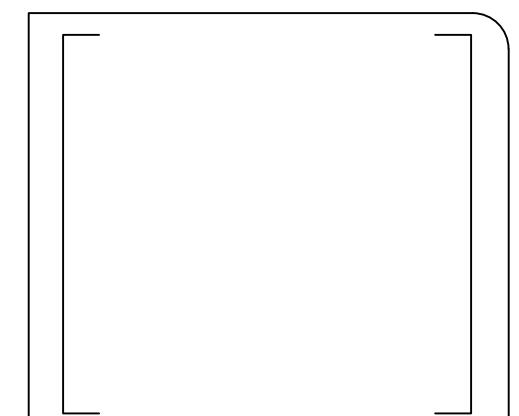


- | | | | |
|--|--|--|--|
| | ASPHALT/GRAVEL BASE | | BROWN SILT AND CMF SAND, SOME CMF GRAVEL, LITTLE TO SOME ROCK FRAGMENTS (BROKEN COBBLES) |
| | CONCRETE/GRAVEL BASE | | BROWN CMF SAND AND CMF GRAVEL, LITTLE TO SOME SILT, LITTLE ROCK FRAGMENTS (BROKEN COBBLES) |
| | BROWN SILT, LITTLE TO SOME SAND, LITTLE TO SOME CMF GRAVEL, FILL | | CMF GRAVEL FILL |
| | BLACK SILT AND VF SAND MIX, LITTLE MF GRAVEL, LITTLE CINDER, COAL, TRACE BRICK FRAGMENTS, FILL | | BROWN SILT, SOME COAL FRAGMENTS, LITTLE F SAND, LITTLE MF GRAVEL, FILL |
| | WOOD, FILL | | GROUNDWATER |

- NOTES:**
- VERTICAL AND HORIZONTAL SUB-SURFACE SOIL CLASSIFICATION BOUNDARIES ARE APPROXIMATE.
 - ELEVATION OF CANACADEA CREEK WAS NOT SURVEYED AND ELEVATION IS CONSIDERED APPROXIMATE AND FOR GENERAL REFERENCE ONLY.
 - DATA COLLECTED USING EOS GPS UNIT WITH SUB-CENTIMETER ACCURACY IN NEW YORK CENTRAL ZONE AND NAVD 1988.

NO.	REVISION	BY	DATE
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It is a violation of New York Education Law Article 14B, Sec. 2000, for any person, acting in the direction of a licensed architect, professional engineer, or land surveyor, to prepare, or cause to be prepared, any drawing, specification, or report, or any part thereof, for use in connection with any project, unless the person is duly licensed and the drawing, specification, or report is signed and sealed by the person, and the seal and expiration date of the seal are shown on the drawing, specification, or report.



PROJECT/CLIENT

SITE CHARACTERIZATION REPORT

NYS DOT - 30 WEST MAIN ST MAINTENANCE FACILITY SITE CHARACTERIZATION

DRAWING TITLE	CROSS SECTION B-B'	DESIGNED BY:	DRP
		DRAWN BY:	ED
ISSUED FOR:	FINAL	DATE:	SEPTEMBER, 2019
REVIEWED BY:			

PROJECT/DRAWING NUMBER	2170285
------------------------	---------

FIGURE 7



TABLES

Table 1
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Testing Locations
LaBella Project # 2170285

Location ID	GPS Latitude	GPS Longitude
SB-01 / MW-05	-77.67015	42.330856
SB-02	-77.67013	42.330941
SB-03	-77.67034	42.330848
SB-04	-77.67035	42.330952
SB-05	-77.67052	42.330812
SB-06	-77.67052	42.330907
SB-6B	-77.66983	42.330385
SB-07	-77.66979	42.33029
SB-08	-77.66957	42.330183
SB-09	-77.66939	42.330162
SB-10	-77.66936	42.330052
SB-11	-77.66918	42.330054
SB-12	-77.66913	42.329936
SB-13	-77.6692	42.329848
SB-14 / MW-07	-77.66942	42.329852
SB-15	-77.66989	42.330037
SB-16	-77.67021	42.3302
SB-17	-77.67049	42.330353
SB-18	-77.67073	42.330472
SB-19 / MW-09	-77.6678	42.329273
SB-20	-77.66815	42.329586
SB-21	-77.66902	42.329927
SB-22 / MW-06	-77.66956	42.330115
SB-23	-77.67027	42.33051
SB-24	-77.67079	42.3307
SB-25 / MW-03	-77.67085	42.330949
SB-26	-77.67087	42.330885
SB-27	-77.67099	42.330702
SB-28	-77.67086	42.330636
SB-29	-77.6709	42.330374
SB-30 / MW-02	-77.67068	42.330208
SB-31	-77.66979	42.329939
SB-32	-77.66888	42.329592
SB-33 / MW-01	-77.66825	42.329356
SB-34 / MW-08	-77.66889	42.330094
SB-35	-77.66872	42.330284
SB-36	-77.66782	42.329214
SB-37	-77.66852	42.329854
MW-04	-77.6705	42.330433
SS-01	-77.66797	42.329312
SS-02	-77.66816	42.329344
SS-03	-77.66832	42.329428
SS-04	-77.66912	42.329706
SS-05	-77.66917	42.329723
SS-06	-77.67064	42.330311
SS-07	-77.67097	42.330606
SS-08	-77.67106	42.330852
SS-09	-77.67022	42.330911
SS-10	-77.67042	42.330882
SS-11	-77.67064	42.330419
SS-12	-77.67003	42.330095
SS-13	-77.66971	42.330287
SS-14	-77.66946	42.32988
SS-15	-77.66928	42.330073
SS-16	-77.66786	42.329307

Table 2
Site Characterization Report
30 W Main St, Hornell, New York
Monitoring Well Details and Groundwater Elevations
LaBella Project # 2170285

Well ID	Well Surface Elevation (ft)	Groundwater Elevation (ft) (6/26/19)	GPS Latitude	GPS Longitude	Well Total Depth (ft)	Screened Interval (ft bgs)	Sandpack (ft bgs)	Bentonite Seal (ft bgs)
MW-01	1060.71	1054.99	-77.66831	42.329406	15	5-15	2-15	0-2
MW-02	1056.66	1049.51	-77.67064	42.330241	15	5-15	2-15	0-2
MW-03	1067.92	1051.71	-77.67089	42.330919	20	10-20	2-20	0-2
MW-04	1065.48	1055.57	-77.67055	42.330407	20	10-20	2-20	0-2
MW-05	1067.01	1056.27	-77.67017	42.330849	20	10-20	2-20	0-2
MW-06	1065.56	1053.69	-77.6695	42.330094	20	10-20	2-20	0-2
MW-07	1065.16	1052.88	-77.66943	42.329838	19	9-19	2-19	0-2
MW-08	1065.12	1052.12	-77.66884	42.330094	20	10-20	2-20	0-2
MW-09	1068.25	1047.08	-77.66782	42.329276	20	10-20	2-20	0-2

Table 3
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Volatile Organic Compounds in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SS-15	SS-16	BD-01	BD-02	BD-03
Sample Depth (ft bgs)				0-1	0-1			
Sample Date				6/13/2019	6/13/2019	6/11/2019	6/13/2019	6/14/2019
Sample Matrix				Soil	Soil	Soil	Soil	Soil
1,+A12:A471,1-Trichloroethane	0.68	1000	0.68	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,1,2,2-Tetrachloroethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,1,2-Trichloroethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,1-Dichloroethane	0.27	480	0.27	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,1-Dichloroethene	0.33	1000	0.33	0.00034 U	0.00028 U	0.023 U	0.00026 U	0.0003 U
1,2,3-Trichlorobenzene	NL	NL	NL	0.00061 U	0.0005 U	0.04 U	0.00046 U	0.00053 U
1,2,4-Trichlorobenzene	NL	NL	NL	0.00049 U	0.00041 U	0.033 U	0.00037 U	0.00043 U
1,2,4-Trimethylbenzene	3.6	380	3.6	0.00024 U	0.0002 U	1.3	0.00018 U	0.00021 U
1,2-Dibromo-3-Chloropropane	NL	NL	NL	0.00034 U	0.00028 U	0.023 U	0.00026 U	0.0003 U
1,2-Dibromoethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,2-Dichlorobenzene	1.1	1000	1.1	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,2-Dichloroethane	0.02	60	0.02	0.00024 U	0.0002 U	0.042 J	0.00018 U	0.00021 U
1,2-Dichloropropane	NL	NL	NL	0.00024 U	0.0002 U	16 U	0.00018 U	0.00021 U
1,3,5-Trimethylbenzene	8.4	380	8.4	0.00024 U	0.0002 U	1.7	0.00018 U	0.00021 U
1,3-Dichlorobenzene	2.4	560	2.4	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
1,4-Dichlorobenzene	1.8	250	1.8	0.00026 U	0.00022 U	0.017 U	0.0002 U	0.00023 U
1,4-Dioxane	0.1	250	0.1	0.024 U	0.02 U	1.6 U	0.018 U	0.021 U
2-Butanone (MEK)	0.12	1000	0.12	0.0048 J	0.002 U	0.16 U	0.0022 J	0.0032 J
2-Hexanone	NL	NL	NL	0.00042 U	0.00035 U	0.028 U	0.00032 U	0.00037 U
4-Isopropyltoluene	NL	NL	NL	0.00024 U	0.0002 U	0.49	0.00018 U	0.00021 U
4-Methyl-2-Pentanone (MIBK)	NL	NL	NL	0.00027 U	0.00023 U	0.018 U	0.00021 U	0.00024 U
Acetone	0.05	1000	0.05	0.14	0.0046 U	0.46	0.023	0.082
Benzene	0.06	89	0.06	0.00024 U	0.0002 U	0.3 J	0.00018 U	0.00021 U
Bromochloromethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
Bromodichloromethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
Bromoform	NL	NL	NL	0.00058 U	0.00048 U	0.039 U	0.00044 U	0.00051 U
Bromomethane	NL	NL	NL	0.0025 U	0.0021 U	0.17 U	0.0019 U	0.0022 U
Carbon Disulfide	NL	NL	NL	0.00034 U	0.00028 U	0.023 U	0.00026 U	0.0003 U
Carbon tetrachloride	0.76	44	0.76	0.00031 U	0.00025 U	0.02 U	0.00023 U	0.00027 U
Chlorobenzene	1.1	1000	1.1	0.00024 U	0.0002 U	.024 J	0.00018 U	0.00021 U
Chloroethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
Chloroform	0.37	700	0.37	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
Chloromethane	NL	NL	NL	0.0017 U	0.0014 U	0.11 U	0.0013 U	0.0015 U
cis -1,2-Dichloroethene	0.25	1000	0.25	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
cis-1,3-dichloropropene	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
Cyclohexane	NL	NL	NL	0.00031 U	0.00025 U	0.029 J	0.00023 U	0.00029 J
Dibromochloromethane	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
Dichlorodifluoromethane (CFC 12)	NL	NL	NL	0.00039 U	0.00032 U	0.026 U	0.00029 U	0.00034 U
Dichloromethane	NL	NL	NL	0.0033 U	0.0027 U	0.22 U	0.0025 U	0.0029 U
Ethylbenzene	1	780	1	0.00024 U	0.0002 U	0.35 J	0.00018 U	0.00021 U
Isopropylbenzene	NL	NL	NL	0.00024 U	0.0002 U	0.12 J	0.00018 U	0.00021 U
m,p-xylenes	1.60	1000	1.60	0.00043 U	0.00036 U	1.5	0.00033 U	0.00038 U
Methyl Acetate	NL	NL	NL	0.0049 J	0.00081 U	0.29 J	0.00074 U	0.003 J
Methyl tert-butyl ether	NL	1000	NL	0.00029 J	0.0002 U	0.016 U	0.00018 U	0.00022 J
Methylcyclohexane	0.93	NL	0.93	0.00036 U	0.0003 U	0.11 J	0.00028 U	0.00032 U
Naphthalene	3.9	NL	3.9	0.00064 U	0.00053 U	0.6	0.00049 U	0.00056 U
n-Butylbenzene	NL	1000	NL	0.00024 U	0.0002 U	0.7	0.00033 U	0.00021 U
n-Propylbenzene	12	1000	12	0.00024 U	0.0002 U	0.14 J	0.00033 U	0.00021 U
o-Xylene	1.60	1000	1.600	0.00024 U	0.0002 U	1	0.00033 U	0.00021 U
sec-Butylbenzene	11	1000	11	0.00024 U	0.0002 U	0.067 J	0.00033 U	0.00021 U
Styrene	NL	NL	NL	0.00024 U	0.0002 U	0.016 U	0.00018 U	0.00021 U
tert-Butylbenzene	5.9	1000	5.9	0.00024 U	0.0002 U	0.23 J	0.00033 U	0.00021 U
Tetrachloroethene (PCE)	1.3	300	1.3	0.00027 U	0.00023 U	0.018 U	0.00021 U	0.00024 U
Toluene	0.7	1000	0.7	0.00042 J	0.0002 J	0.6	0.00018 U	0.00036 J
trans-1,2-Dichloroethene	0.19	1000	0.19	0.00024 U	0.0002 J	0.016 U	0.00018 U	0.00021 U
trans-1,3-dichloropropene	NL	NL	NL	0.00024 U	0.0002 J	0.016 U	0.00018 U	0.00021 U
Trichloroethene (TCE)	0.47	400	0.47	0.00026 U	0.00042 J	0.044 J	0.0002 U	0.00023 U
Trichlorofluoromethane (CFC 11)	NL	NL	NL	0.00031 U	0.00025 U	0.02 U	0.00023 U	0.00027 U
Vinyl chloride	0.02	27	0.02	0.00054 U	0.00045 U	0.036 U	0.00041 U	0.00047 U

NOTES:

1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).

2. Bold font indicates that the compound was detected above its respective laboratory Me

3. Red font indicates that the compound was detected at a concentration above its respec

4. Yellow highlight indicates that the compound was detected at a concentration above its re

5. Underlined font indicates that the compound was detected at a concentration above its re

6. VOCs analyzed by USEPA Method 8260.

7. NL indicates Not Listed.

8. U indicates compound not detected above laboratory Method Detection Limit (MDL).

9. J indicates an estimated value.

Table 4
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Semi-Volatile Organic Compounds in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-02	SB-12	SB-14	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-25	SB-28	SB-30	SB-33	SB-34	SB-35	SB-36	SS-01			
Sample Depth (ft bgs)				2-5	6.5-10	14-19	1-4	3.5-9.5	13-18	3-6	8.5-13.5	3-7	5-9	5.5-10	0-5	10-15	8-12	0-5	10-15	0-1			
Sample Date				6/5/2019	6/6/2019	6/6/2019	7/15/2019	6/6/2019	6/7/2019	6/15/2019	6/7/2019	6/7/2019	6/11/2019	6/11/2019	6/11/2019	6/12/2019	6/12/2019	6/13/2019	6/14/2019	6/12/2019			
				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
1,2,4,5-Tetrachlorobenzene	NL	NL	NL	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U	110	U	0.32	U
2,3,4,6-Tetrachlorophenol	NL	NL	NL	0.091	U	0.094	U	0.093	U	0.095	U	0.091	U	0.089	U	0.094	U	0.091	U	93	U	0.27	U
2,4,5-Trichlorophenol	NL	NL	NL	0.092	U	0.095	U	0.094	U	0.096	U	0.091	U	0.096	U	0.095	U	0.092	U	94	U	0.28	U
2,4,6-Trichlorophenol	NL	NL	NL	0.096	U	0.099	U	0.098	U	0.099	U	0.095	U	0.093	U	0.098	U	0.1	U	0.095	U	0.097	U
2,4-Dichlorophenol	NL	NL	NL	0.076	U	0.079	U	0.078	U	0.076	U	0.079	U	0.076	U	0.074	U	0.078	U	0.08	U	0.23	U
2,4-Dimethylphenol	NL	NL	NL	0.071	U	0.073	U	0.072	U	0.07	U	0.073	U	0.07	U	0.069	U	0.073	U	0.074	U	0.21	U
2,4-Dinitrophenol	NL	NL	NL	0.069	U	0.072	U	0.071	U	0.069	U	0.072	U	0.069	U	0.067	U	0.071	U	0.072	U	0.21	U
2,4-Dinitrotoluene	NL	NL	NL	0.096	U	0.1	U	0.098	U	0.095	U	0.1	U	0.096	U	0.94	U	0.099	U	0.11	U	0.29	U
2,6-Dinitrotoluene	NL	NL	NL	0.13	U	0.14	U	0.014	U	0.13	U	0.14	U	0.013	U	0.13	U	0.14	U	0.14	U	0.39	U
2-Chloronaphthalene	NL	NL	NL	0.082	U	0.085	U	0.083	U	0.081	U	0.085	U	0.081	U	0.08	U	0.084	U	0.086	U	0.25	U
2-Chlorophenol	NL	NL	NL	0.09	U	0.093	U	0.092	U	0.089	U	0.093	U	0.089	U	0.087	U	0.093	U	0.094	U	0.27	U
2-Methylnaphthalene	NL	NL	NL	0.083	U	0.086	U	0.085	U	0.082	U	0.086	U	0.082	U	0.081	U	0.086	U	1.3	J	0.25	U
2-Methylphenol (o-cresol)	0.33	1000	0.33	0.09	U	0.093	U	0.092	U	0.089	U	0.093	U	0.089	U	0.087	U	0.092	U	0.094	U	0.27	U
2-Nitroaniline	NL	NL	NL	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.53	U	0.11	U	0.32	U
2-Nitrophenol	NL	NL	NL	0.084	U	0.087	U	0.086	U	0.083	U	0.087	U	0.084	U	0.082	U	0.088	U	0.087	U	0.25	U
3,3-Dichlorobenzidine	NL	NL	NL	0.093	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.34	U
3- and 4-Methylphenol Coelution	NL	NL	NL	0.12	U	0.096	U	0.095	U	0.092	U	0.097	U	0.092	U	0.091	U	0.096	U	0.097	U	0.28	U
3-Nitroaniline	NL	NL	NL	0.08	U	0.083	U	0.082	U	0.079	U	0.083	U	0.078	U	0.083	U	0.084	U	0.4	U	0.24	U
4,6-Dinitro-2-Methylphenol	NL	NL	NL	0.08	U	0.083	U	0.082	U	0.079	U	0.083	U	0.08	U	0.078	U	0.083	U	0.084	U	0.24	U
4-Bromophenyl-phenyl ether	NL	NL	NL	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.53	U	0.11	U	0.31	U
4-Chloro-3-Methylphenol	NL	NL	NL	0.084	U	0.087	U	0.086	U	0.084	U	0.088	U	0.084	U	0.082	U	0.087	U	0.088	U	0.25	U
4-Chloroaniline	NL	NL	NL	0.044	U	0.046	U	0.045	U	0.044	U	0.046	U	0.044	U	0.043	U	0.046	U	0.046	U	0.14	U
4-Chlorophenyl-Phenylether	NL	NL	NL	0.088	U	0.091	U	.090	U	0.087	U	0.092	U	0.087	U	0.086	U	0.091	U	0.092	U	0.26	U
4-Nitroaniline	NL	NL	NL	0.082	U	0.084	U	0.083	U	0.081	U	0.085	U	0.081	U	0.079	U	0.084	U	0.085	U	0.25	U
4-Nitrophenol	NL	NL	NL	0.22	U	0.23	U	0.22	U	0.23	U	0.22	U	0.21	U	0.23	U	0.23	U	1.1	U	0.64	U
Acenaphthene	20	1000	98	0.082	U	0.084	U	0.083	U	0.16	J	0.085	U	0.081	U	0.079	U	0.084	U	0.085	U	0.25	U
Acenaphthylene	100	1000	107	0.075	U	0.078	U	0.077	U	0.075	U	0.078	U	0.075	U	0.073	U	0.078	U	0.49	J	0.23	U
Acetophenone	NL	NL	NL	0.086	U	0.089	U	0.088	U	0.086	U	0.09	U	0.086	U	0.084	U	0.089	U	0.09	U	0.26	U
Anthracene	100	1000	1000	0.071	U	0.074	U	0.073	U	0.6		0.074	U	0.071	U	0.07	U	0.074	U	0.075	U	0.22	U
Atrazine	NL	NL	NL	0.1	U	0.11	U	0.11	U	0.099	U	0.11	U	0.099	U	0.097	U	0.11	U	0.11	U	0.3	U
Benz(a)anthracene	1	11	1	0.065	U	0.07	J	0.066	U	0.96		0.25	J	0.064	U	0.063	U	0.067	U	0.068	U	0.2	U
Benzaldehyde	NL	NL	NL	0.088	U	0.091	U	0.09	U	0.087	U	0.091	U	0.087	U	0.086	U	0.091	U	0.092	U	0.26	U
Benzo(a)pyrene	1	1.100	22	0.089	J	0.077	U	0.076	U	0.82		0.31	J	0.074	U	0.072	U	0.077	U	0.078	U	0.22	U
Benzo(b)fluoranthene	1	11	1.7	0.13	J	0.091	J	0.069	U	0.95		0.44		0.067	U	0.066	U	0.07	U	0.071	U	0.2	U
Benzo(g,h,i)perylene	100	1000	1000	0.12	J	0.087	U	0.086	U	0.59		0.33	J	0.084	U	0.082	U	0.087	U	0.088	U	0.25	U
Benzo(k)fluoranthene	0.8	110	1.7	0.083	U	0.086	U	0.085	U	0.35	J	0.17	J	0.082	U	0.081	U	0.086	U	0.087	U	0.25	U
Biphenyl	NL	NL	NL	0.086	U	0.089	U	0.088	U	0.086	U	0.09	U	0.086	U	0.084	U	0.089	U	0.09	U	0.26	U
2,2'-Oxybis(1-chloropropane)	NL	NL	NL		U	0.094	U	0.092	U	0.09	U	0.094	U	0.09	U	0.088	U	0.093	U	0.095	U	0.27	U
Bis(2-chlorethoxy)methane	NL	NL	NL	0.085	U	0.088	U	0.086	U	0.084	U	0.088	U	0.084	U	0.082	U	0.087	U	0.089	U	0.25	U
Bis(2-chloroethyl)ether	NL	NL	NL	0.067	U	0.07	U	0.069	U	0.067	U	0.07	U	0.067	U	0.066	U	0.069	U	0.07	U	0.2	U
Bis(2-ethylhexyl)phthalate	NL	NL	NL	0.52	U	0.53	U	0.053	U	0.51	U	0.54	U	0.5	U	0.53	U	0.54	U	2.6	U	1.6	U
Butyl Benzyl Phthalate	NL	NL	NL	0.071	U	0.073	U	0.072	U	0.07	U	0.073	U	0.07	U	0.069	U	0.073	U	0.074	U	0.21	U
Caprolactam	NL	NL	NL	0.082	U	0.085	U	0.084	U	0.082	U	0.085	U	0.082	U	0.08	U	0.085	U	0.086	U		

Table 5
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Metals in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-02	SB-12	SB-14	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-25	SB-28
Sample Depth (ft bgs)				2-5	6.5-10	14-19	1-4	3.5-9.5	13-18	3-6	8.5-13.5	3-7	5-9	5.5-10
Sample Date				6/5/2019	6/6/2019	6/6/2019	7/15/2019	6/6/2019	6/7/2019	6/15/2019	6/7/2019	6/7/2019	6/11/2019	6/11/2019
Sample Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals														
Aluminum	NL	NL	NL	8520	6860	5630	5040	5060	6950	2880	5390	10300	8420	5870
Antimony	NL	NL	NL	0.6 U	0.7 U	0.6 U	0.6 U	2.3 J	0.6	0.6 U	0.7 U U	0.6 U	10.2	0.7 U
Arsenic	13	16	16	7.3	7.8	7.5	5.4	18	9.8	3.3	8.5	11.4	9.2	8.6
Barium	350	10,000	820	75	94.1	60.6	52.8	88.3	69.1	17.5	43.8	121	3290	128
Beryllium	7.2	2,700	47	0.44	0.57	0.29 J	0.26 BJ	0.27 J	0.32	0.15 J	0.27 J	0.69	0.34	0.37
Cadmium	2.5	60	7.5	0.4 J	0.37 J	0.23 J	0.28 BJ	0.87	0.34 J	0.29 J	0.25 J	0.31 J	7.36	1.27
Calcium	NL	NL	NL	24500	2940	3170	75400	28300	8190	20400	2160	28100	31700	18200
Chromium, trivalent	30	6,800	NL	18.8	11.9	8.1	37.3	15.4	10.3	6	7.2	8.5	52.3	17.5
Cobalt	NL	NL	NL	6.6	6.1	4.5 J	3.6 BJ	6.7	5.6	2.5 J	4.6 J	5.8	7.8	5.2 J
Copper	50	10,000	1,720	23.4	18.8	12.6	17.2	128	17.2	18.3	11.4	12.9	51800	89
Iron	NL	NL	NL	18900	17600	13700	13600	36000	21400	15100	15500	21100	43400	75300
Lead	63	3,900	450	69.9	45.1	13.8	1530	419	19.1	22.6	24.4	15.2	3590	209
Magnesium	NL	NL	NL	9630	2550	2900	5560	5040	2960	3030	1990	3350	6350	2780
Manganese	1,600	10,000	2,000	367	454	636	281	455	740	235	269	1070	505	594
Mercury	0.18	5.7	0.73	0.047	0.361	0.015 J	0.083	0.192	0.023 J	0.044	0.036 J	0.036 J	0.048 B	0.232
Nickel	30	10000	130	15.4	14.4	12.8	5.8	15.4	13.2	4.6	10.3	12.6	40 U	13
Potassium	NL	NL	NL	1200	1030	680	620	880	850	470	700	890	900	720
Selenium	3.9	6,800	4	0.6 U	0.7 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.7 U U	0.6 U	6 U	7 U
Silver	2	6,800	8	0.08 U	0.09 J	0.08 U	0.08 U	0.09 U	0.08 U	0.08 U	0.08 U U	0.6 U	2.1	0.1 J
Sodium	NL	NL	NL	340	1370	70 J	140	130	70 J	310	900	1570	460	340
Thallium	NL	NL	NL	0.7 U	0.8 U	0.7 U	2.1	0.8 U	0.7 U	0.7 U	0.8 U U	0.8 U	0.7 U	0.8 U
Vanadium	NL	NL	NL	14.6	12	7.9	9.5	23	11.1	10.8	9.2	12.3	15.6	21.6
Zinc	109	10,000	2,480	89	166	59.3	60.7	186	61	33.5	45.6	62.4	36,200	272

- NOTES:
- All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 - Bold font indicates that the compound was detected above its respective laboratory Method Detection Limit (MDL)**
 - Red font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO).**
 - Yellow highlight indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Industrial Use SCO.**
 - Underlined font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Protection of Groundwater SCO.**
 - Metals analyzed by USEPA Methods 6010/7471
 - NL indicates Not Listed.
 - U indicates compound not detected above laboratory Method Detection Limit (MDL).
 - J indicates an estimated value.
 - "B" indicates that the analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.



Table 5
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Metals in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-30	SB-33	SB-34	SB-35	SB-36	SS-01	SS-02	SS-03	SS-04	SS-05
Sample Depth (ft bgs)				0-5	10-15	8-12	0-5	10-15	0-1	0-1	0-1	0-1	
Sample Date				6/11/2019	6/12/2019	6/12/2019	6/13/2019	6/14/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	
Sample Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Metals													
Aluminum	NL	NL	NL	6120	5990	5990	8170	7360	5280	4280	6450	4070	6050
Antimony	NL	NL	NL	0.6 U U	0.6 U	0.6 U	0.6 U U	0.6 U	4.1 J	0.6 U	0.7 U	0.6 U	0.6 U
Arsenic	13	16	16	6.4	7.6	6.2	7.9	9.6	3.77	3.9	9.4	3.5	4.3
Barium	350	10,000	820	46	57.6	53	90.9	66.2	19.4	27.2	29.8	34.9	39.7
Beryllium	7.2	2,700	47	0.56	0.3 J	0.27 J	0.51 B	0.39 B	0.23 J	0.2 J	0.34 J	0.18 J	0.27
Cadmium	2.5	60	7.5	0.41 J	0.15 J	0.68	0.18 BJ	0.21 BJ	1.34	0.79	8.21	0.26 J	0.83
Calcium	NL	NL	NL	20600	21600	32100	3970	2210	64400	80200	14000	65400	22400
Chromium, trivalent	30	6,800	NL	74.6	12	18.7	10.6	12.5	12.8	14.6	19.2	15.7	48.1
Cobalt	NL	NL	NL	6.9	4.7 J	4.3 J	7.2	6.6	4.1 J	4 J	5.8 J	4.3 J	5.5
Copper	50	10,000	1,720	78.5	17.6	22.9	17.6	24.6	34.2	25.7	142	19.2	37.6
Iron	NL	NL	NL	23100	18500	17500	20500	21300	16100	17300	20500	17500	29000
Lead	63	3,900	450	310	10.5	80.8	19.9	34	33	90.9	989	27.9	164
Magnesium	NL	NL	NL	6690	5200	6950	2640	3010	20600	7970	8810	10400	7360
Manganese	1,600	10,000	2,000	407	479	406	326	460	516	587	476	349	531
Mercury	0.18	5.7	0.73	0.025 BJ	0.007 U	0.067 B	0.705	0.075	0.117 B	0.011 BJ	0.045 B	0.007 U	0.007 BJ
Nickel	30	10000	130	32.2	12.2	9.8	15.6	15.7	13.6	11.3	15	10.4	16.2
Potassium	NL	NL	NL	810	810	760	960	860	600	620	750	560	680
Selenium	3.9	6,800	4	0.6 U	0.6 U	0.6 U	0.6 U	0.9 J	0.54 U	0.6 U	0.7 U	0.6 U	0.6 U
Silver	2	6,800	8	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.09 U	0.08 U	0.08 U
Sodium	NL	NL	NL	140	70 J	520	1530	80 J	100 J	80 J	70 U	150	110 J
Thallium	NL	NL	NL	0.8 U	0.8 U	0.8 J	0.7 U	0.7 U	1.9	1.9	0.8 U	8 U	0.8 U
Vanadium	NL	NL	NL	11.8	9	9.5	12.4	11.2	18.5	8.7	12.6	10.5	15
Zinc	109	10,000	2,480	288	56.6	60.2	54.7	57.8	369	144	829	175	499

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 2. Bold font indicates that the compound was detected above its respective laboratory Method Detection Limit (MDL).
 3. Red font indicates that the compound was detected at a concentration above its respective laboratory Method Detection Limit (MDL).
 4. Yellow highlight indicates that the compound was detected at a concentration above its respective laboratory Method Detection Limit (MDL).
 5. Underlined font indicates that the compound was detected at a concentration above its respective laboratory Method Detection Limit (MDL).
 6. Metals analyzed by USEPA Methods 6010/7471
 7. NL indicates Not Listed.
 8. U indicates compound not detected above laboratory Method Detection Limit (MDL)
 9. J indicates an estimated value.
 10. "B" indicates that the analyte was also detected in the associated method blank

Table 5
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Metals in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 <u>Protection of Groundwater</u> SCOs	SS-06	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	BD-02	BD-03
Sample Depth (ft bgs)				0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		
Sample Date				6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/14/2019
Sample Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals																
Aluminum	NL	NL	NL	4430	5670	7230	7040	7430	5020	6130	6260	5950	10100	6860	6310	7970
Antimony	NL	NL	NL	0.7 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.7 U
Arsenic	13	16	16	5.4	9	6.3	8.4	6.2	5.8	6.67	7.9	9.2	9.5	5.8	9	8.4
Barium	350	10,000	820	34.2	49.8	42.2	37.4	65.2	50.1	71	88.2	53.6	62.5	54.6	51.7	61.2
Beryllium	7.2	2,700	47	0.21 J	0.31	0.32 J	0.27 J	0.36 B B	0.32 B	0.3 B	0.33 B	0.32 BJ	0.54 B	0.33 B	0.29 BJ	0.4 B
Cadmium	2.5	60	7.5	0.3 J	0.16 J	0.18 J	0.32 J	0.42 BJ	0.27 BJ	1.02 B	0.27 BJ	0.19 BJ	0.2 BJ	1.34	0.24 BJ	0.2 BJ
Calcium	NL	NL	NL	35900	3370	43400	46500	25800	22300	34100	33600	1360	33100	63600	59700	6450
Chromium, trivalent	30	6,800	NL	8.9	8.5	10.1	14	40.8	7.1	19.3	11.3	8.6	13.1	26.7	15.2	15.5
Cobalt	NL	NL	NL	3.8 J	5.2	6.1	6	6.7	6.3	4.8 J	5.3 J	5.6	9.4 U	5.8	5.1	6.1
Copper	50	10,000	1,720	15.3	14.4	22.3	30.4	28.5	13.2	17	16.4	11.7	20.5	43.6	22.2	22.3
Iron	NL	NL	NL	12200	19000	18200	20000	22400	19200	19700	18400	19800	26400	24300	17100	23700
Lead	63	3,900	450	57.9	19.9	12.7	28.5	27.9	61.9	87.5	33.7	13	10.5	134	20	35.9
Magnesium	NL	NL	NL	7880	2810	8990	8430	8210	4440	14500	6710	2580	5470	19100	24700	3340
Manganese	1,600	10,000	2,000	349	333	370	583	596	384	393	340	364	524	388	429	487
Mercury	0.18	5.7	0.73	0.019 BJ	0.007 U	0.007 U	0.007 U	0.007 U	0.01 J	0.014 J	0.009 J	0.007 U	0.007 U	0.024 J	0.174	0.041
Nickel	30	10000	130	9	12.3	15.4	15.1	15.6	11.7	12.4	14	16.1	19.9 U	15.2	13.2	15.1
Potassium	NL	NL	NL	710	600	810	750	940	710	680	720	650	1030	830	820	820
Selenium	3.9	6,800	4	0.7 U	0.6 U	0.6 U	0.7 U	0.6 J	0.6 U	0.54 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.7 U
Silver	2	6,800	8	0.09 U	0.08 U	0.08 U	0.09 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.09 U
Sodium	NL	NL	NL	70 J	60 U	70 J	100 J	70 J	60 J	60 J	160	60 U	350	120	110	80 J
Thallium	NL	NL	NL	1.1 J	0.7 U	0.9 J	0.8 U	0.7 U	0.7 U	0.8 J	0.7 U	0.7 U	0.7 U	7 U	7	0.8 U
Vanadium	NL	NL	NL	8.3	9.5	11.7	12.9	17.2	11.7	11.2	13.6	9.3	16.8	13.4	15.3	12.5
Zinc	109	10,000	2,480	125	60.3	101	114	130	102	128	71.2	49.3	65.2	151	102	57.5

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 2. Bold font indicates that the compound was detected above its respective labor
 3. Red font indicates that the compound was detected at a concentration above its r
 4. Yellow highlight indicates that the compound was detected at a concentration abc
 5. Underlined font indicates that the compound was detected at a concentration abc
 6. Metals analyzed by USEPA Methods 6010/7471
 7. NL indicates Not Listed.
 8. U indicates compound not detected above laboratory Method Detection Limit (MD
 9. J indicates an estimated value.
 10. "B" indicates that the analyte was also detected in the associated method blank

Table 6
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Pesticides & Herbicides in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-02	SB-12	SB-14	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-25	SB-28	SB-30
Sample Depth (ft bgs)				2-5	6.5-10	14-19	1-4	3.5-9.5	13-18	3-6	8.5-13.5	3-7	5-9	5.5-10	0-5
Sample Date				6/5/2019	6/6/2019	6/6/2019	7/15/2019	6/6/2019	6/7/2019	6/15/2019	6/7/2019	6/7/2019	6/11/2019	6/11/2019	6/11/2019
Sample Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Pesticides															
4,4'-DDD	0.0033	180	14	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
4,4'-DDE	0.0033	120	17	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
4,4'-DDT	0.0033	94	136	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Aldrin	0.005	1.4	0.19	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
alpha-BHC	0.02	6.8	0.02	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
beta-BHC	0.036	14	0.09	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
alpha-Chlordane	0.094	47	2.9	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
delta-BHC	0.04	1000	0.25	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Dieldrin	0.005	2.8	0.1	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Endosulfan I	2.4	920	102	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Endosulfan II	2.4	920	102	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Endosulfan sulfate	2.4	920	1000	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Endrin	0.014	410	0.06	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Endrin Aldehyde	NL	NL	NL	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Endrin Ketone	NL	NL	NL	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
gamma-BHC (lindane)	0.1	23	0.1	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
gamma-Chlordane	NL	NL	NL	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Heptachlor	0.042	29	0.38	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Heptachlor Epoxide	NL	NL	NL	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Hexachlorobenzene	0.33	12	3.2	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Methoxychlor	NL	NL	NL	0.0093 U	0.0048 U	0.00094 U	0.0047 U	0.005 U	0.00093 U	0.00091 U	0.0048 U	0.00098 U	0.048 U	9.7 U	0.005 U
Toxaphene	NL	NL	NL	0.21 U	0.11 U	0.022 U	0.11 U	0.12 U	0.021 U	0.021 U	0.110 U	0.023 U	1.1 U	220 U	0.12 U
Herbicides															
2,4,5-T	NL	NL	NL	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.0043 U	0.041 U	0.022 U	0.043 U
2,4,5-TP	3.8	1000	3.8	0.0041 U	0.0042 U	0.0042 U	0.02 U	0.0042 U	0.004 U	0.0078 U	0.021 U	0.004 U	0.039 U	0.02 U	0.04 U
2,4-D	NL	NL	NL	0.0038 U	0.004 U	0.0039 U	0.019 U	0.004 U	0.0038 U	0.0073 U	.020 U	0.0066 U	0.064 U	0.033 U	0.066 U
Dicamba	NL	NL	NL	0.0041 U	0.0043 U	0.0042 U	0.021 U	0.043 U	0.0041 U	0.09 U	0.021 U	0.0043 U	0.042 U	0.022 U	0.043 U

- NOTES:
- All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 - Bold font indicates that the compound was detected above its respective laboratory Method Detection Limit (MDL)**
 - Red font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO).**
 - Yellow highlight indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Industrial Use SCO.**
 - Underlined font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Protection of Groundwater SCO.
 - Pesticides/Herbicides analyzed by USEPA Methods 8081/8151
 - NL indicates Not Listed.
 - U indicates compound not detected above laboratory Method Detection Limit (MDL).



Table 6
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Pesticdes & Herbicides in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-33	SB-34	SB-35	SB-36	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07
Sample Depth (ft bgs)				10-15	8-12	0-5	10-15	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Sample Date				6/12/2019	6/12/2019	6/13/2019	6/14/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019
Sample Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Pesticides														
4,4'-DDD	0.0033	180	14	0.00095 U	0.00096 U	0.00094 U	0.005	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
4,4'-DDE	0.0033	120	17	0.00095 U	0.00096 U	0.00094 U	0.021	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
4,4'-DDT	0.0033	94	136	0.00095 U	0.00096 U	0.00094 U	0.034	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Aldrin	0.005	1.4	0.19	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
alpha-BHC	0.02	6.8	0.02	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
beta-BHC	0.036	14	0.09	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
alpha-Chlordane	0.094	47	2.9	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
delta-BHC	0.04	1000	0.25	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Dieldrin	0.005	2.8	0.1	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Endosulfan I	2.4	920	102	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Endosulfan II	2.4	920	102	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Endosulfan sulfate	2.4	920	1000	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Endrin	0.014	410	0.06	0.00095 U	0.00096 U	0.00094 U	0.0056	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Endrin Aldehyde	NL	NL	NL	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Endrin Ketone	NL	NL	NL	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
gamma-BHC (lindane)	0.1	23	0.1	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
gamma-Chlordane	NL	NL	NL	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Heptachlor	0.042	29	0.38	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Heptachlor Epoxide	NL	NL	NL	0.00095 U	0.00096 U	0.00094 U	0.0056	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Hexachlorobenzene	0.33	12	3.2	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Methoxychlor	NL	NL	NL	0.00095 U	0.00096 U	0.00094 U	0.00095 U	0.0092 U	0.0095 U	0.011 U	0.0097 U	0.0096 U	0.011 U	0.0019 U
Toxaphene	NL	NL	NL	0.022 U	0.022 U	0.022 U	0.022 U	0.21 U	0.22 U	0.24 U	0.22 U	0.015 J	0.023 U	0.042 U
Herbicides														
2,4,5-T	NL	NL	NL	0.0082 U	0.021 U	0.0041 U	0.0042 U	0.08 U	0.021 U	0.023 U	0.042 U	0.042 U	0.044 U	0.021 U
2,4,5-TP	3.8	1000	3.8	0.0077 U	0.02 U	0.0039 U	0.0039 U	0.075 U	0.02 U	0.021 U	0.039 U	0.039 U	0.042 U	0.019 U
2,4-D	NL	NL	NL	0.013 U	0.032 U	0.0063 U	0.0064 U	0.13 U	0.032 U	0.035 U	0.065 U	0.064 U	0.069 U	0.032 U
Dicamba	NL	NL	NL	0.0083 U	0.021 U	0.0041 U	0.0042 U	0.08 U	0.021 U	0.023 U	0.042 U	0.042 U	0.045 U	0.021 U

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 2. **Bold font indicates that the compound was detected above its respective laboratory Method Detection Limit (MDL).**
 3. **Red font indicates that the compound was detected at a concentration above its respective regulatory threshold.**
 4. **Yellow highlight indicates that the compound was detected at a concentration above its regulatory threshold.**
 5. Underlined font indicates that the compound was detected at a concentration above its regulatory threshold.
 6. Pesticides/Herbicides analyzed by USEPA Methods 8081/8151.
 7. NL indicates Not Listed.
 8. U indicates compound not detected above laboratory Method Detection Limit (MDL).

Table 6
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Pesticides & Herbicides in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	BD-02	BD-03		
Sample Depth (ft bgs)				0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		NL	
Sample Date				6/12/2019	6/12/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/14/2019
Sample Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Pesticides																
4,4'-DDD	0.0033	180	14	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0032		
4,4'-DDE	0.0033	120	17	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.031		
4,4'-DDT	0.0033	94	136	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.031		
Aldrin	0.005	1.4	0.19	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
alpha-BHC	0.02	6.8	0.02	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
beta-BHC	0.036	14	0.09	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
alpha-Chlordane	0.094	47	2.9	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
delta-BHC	0.04	1000	0.25	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Dieldrin	0.005	2.8	0.1	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Endosulfan I	2.4	920	102	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Endosulfan II	2.4	920	102	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Endosulfan sulfate	2.4	920	1000	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Endrin	0.014	410	0.06	0.0093 U	0.0098 U	0.018 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0051		
Endrin Aldehyde	NL	NL	NL	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Endrin Ketone	NL	NL	NL	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
gamma-BHC (lindane)	0.1	23	0.1	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
gamma-Chlordane	NL	NL	NL	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Heptachlor	0.042	29	0.38	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Heptachlor Epoxide	NL	NL	NL	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Hexachlorobenzene	0.33	12	3.2	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Methoxychlor	NL	NL	NL	0.0093 U	0.0098 U	0.019 U	0.018 U	0.0019 U	0.0093 U	0.00096 U	0.0093 U	0.0096 U	0.019 U	0.0011 U		
Toxaphene	NL	NL	NL	0.21 U	0.23 U	0.42 U	0.41 U	0.042 U	0.22 U	0.00022 U	0.22 U	0.22 U	0.41 U	0.023 U		
Herbicides																
2,4,5-T	NL	NL	NL	0.02 U	0.043 U	0.02 U	0.02 U	0.0039 U	0.021 U	0.0042 U	0.02 U	0.021 U	0.039 U	0.0045 U		
2,4,5-TP	3.8	1000	3.8	0.019 U	0.04 U	0.019 U	0.018 U	0.0037 U	0.019 U	0.004 U	0.019 U	0.02 U	0.037 U	0.0042 U		
2,4-D	NL	NL	NL	0.031 U	0.066 U	0.031 U	0.03 U	0.057 U	0.032 U	0.0065 U	0.031 U	0.033 U	0.061 U	0.0069 U		
Dicamba	NL	NL	NL	0.02 U	0.043 U	0.02 U	0.02 U	0.004 U	0.021 U	0.0043 U	0.021 U	0.022 U	0.04 U	0.0045 U		

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 2. Bold font indicates that the compound was detected above its respective laboratory M
 3. Red font indicates that the compound was detected at a concentration above its respect
 4. Yellow highlight indicates that the compound was detected at a concentration above its r
 5. Underlined font indicates that the compound was detected at a concentration above its r
 6. Pesticides/Herbicides analyzed by USEPA Methods 8081/8151.
 7. NL indicates Not Listed.
 8. U indicates compound not detected above laboratory Method Detection Limit (MDL).



Table 7
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Organophosphorus Compounds in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-02		SB-12		SB-14		SB-17		SB-18		SB-19		SB-20		SB-21	
Sample Depth (ft bgs)				2-5		6.5-10		14-19		1-4		3.5-9.5		13-18		3-6		8.5-13.5	
Sample Date				7/15/2019		7/16/2019		7/16/2019		7/15/2019		7/16/2019		7/16/2019		7/15/2019		7/16/2019	
Sample Matrix				Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Organophosphorous Compounds																			
Azinphos-methyl	NL	NL	NL	0.18	U	0.2	U	0.019	U	0.018	U	0.17	U	0.019	U	0.018	U	0.018	U
Bolstar	NL	NL	NL	0.18	U	0.19	U	0.018	U	0.018	U	0.17	U	0.018	U	0.017	U	0.018	U
Chlorpyrifos	NL	NL	NL	0.18	U	0.19	U	0.019	U	0.018	U	0.17	U	0.018	U	0.017	U	0.018	U
Coumaphos	NL	NL	NL	0.19	U	0.21	U	0.02	U	0.019	U	0.18	U	0.019	U	0.018	U	0.019	U
Demeton-O + Demeton-S	NL	NL	NL	0.25	U	0.27	U	0.026	U	0.025	U	0.24	U	0.025	U	0.024	U	0.025	U
Diazinon	NL	NL	NL	0.15	U	0.17	U	0.016	U	0.015	U	0.15	U	0.016	U	0.015	U	0.015	U
Dichlorvos	NL	NL	NL	0.26	U	0.28	U	0.027	U	0.026	U	0.25	U	0.026	U	0.025	U	0.026	U
Dimethoate	NL	NL	NL	0.2	U	0.22	U	0.021	U	0.021	U	0.19	U	0.021	U	0.02	U	0.02	U
Disulfoton	NL	NL	NL	0.24	U	0.26	U	0.025	U	0.024	U	0.23	U	0.024	U	0.023	U	0.024	U
EPN	NL	NL	NL	0.25	U	0.28	U	0.027	U	0.026	U	0.24	U	0.026	U	0.024	U	0.025	U
Ethoprop	NL	NL	NL	0.11	U	0.12	U	0.012	U	0.011	U	0.11	U	0.011	U	0.011	U	0.011	U
Famphur	NL	NL	NL	0.19	U	0.21	U	0.02	U	0.02	U	0.18	U	0.02	U	0.019	U	0.019	U
Fensulfothion	NL	NL	NL	0.31	U	0.34	U	0.032	U	0.031	U	0.29	U	0.031	U	0.03	U	0.031	U
Fenthion	NL	NL	NL	0.15	U	0.17	U	0.016	U	0.015	U	0.15	U	0.016	U	0.015	U	0.015	U
Malathion	NL	NL	NL	0.22	U	0.24	U	0.023	U	0.022	U	0.21	U	0.022	U	0.021	U	0.022	U
Parathion (ethyl parathion)	NL	NL	NL	0.2	U	0.22	U	0.021	U	0.02	U	0.19	U	0.02	U	0.019	U	0.02	U
Methyl parathion	NL	NL	NL	0.21	U	0.23	U	0.022	U	0.021	U	0.2	U	0.021	U	0.02	U	0.021	U
Mevinphos	NL	NL	NL	0.15	U	0.16	U	0.016	U	0.015	U	0.14	U	0.015	U	0.014	U	0.015	U
Phorate	NL	NL	NL	0.12	U	0.13	U	0.013	U	0.012	U	0.12	U	0.012	U	0.012	U	0.012	U
Ronnel	NL	NL	NL	0.18	U	0.2	U	0.019	U	0.018	U	0.17	U	0.018	U	0.017	U	0.018	U
Stirophos	NL	NL	NL	0.19	U	0.21	U	0.02	U	0.019	U	0.18	U	0.019	U	0.018	U	0.019	U
Sulfotepp	NL	NL	NL	0.14	U	0.15	U	0.015	U	0.014	U	0.13	U	0.014	U	0.014	U	0.014	U
Thionazin	NL	NL	NL	0.15	U	0.17	U	0.016	U	0.015	U	0.15	U	0.016	U	0.015	U	0.015	U
Tokuthion	NL	NL	NL	0.04	U	0.044	U	0.0042	U	0.0041	U	0.038	U	0.0041	U	0.0039	U	0.0041	U
Trichloronate	NL	NL	NL	0.17	U	0.19	U	0.018	U	0.017	U	0.16	U	0.017	U	0.016	U	0.017	U

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 2. **Bold font indicates that the compound was detected above its respective laboratory Method Detection Limit (MDL)**
 3. **Red font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO).**
 4. **Yellow highlight indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Industrial Use SCO.**
 5. Underlined font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Protection of Groundwater SCO.
 6. Organophosphorous analyzed by USEPA Method 8141
 7. NL indicates Not Listed.
 8. U indicates compound not detected above laboratory Method Detection Limit (MDL).

Table 7
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Organophosphorus Compounds in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-22		SB-25		SB-28		SB-30		SB-33		SB-34		SB-35		SB-36	
Sample Depth (ft bgs)				3-7		5-9		5.5-10		0-5		10-15		8-12		0-5		10-15	
Sample Date				7/15/2019		7/16/2019		7/16/2019		7/16/2019		6/12/2019		6/12/2019		6/13/2019		6/14/2019	
Sample Matrix				Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Organophosphorous Compounds																			
Azinphos-methyl	NL	NL	NL	0.2	U	0.19	U	0.19	U	0.19	U	0.2	U	0.19	U	0.2	U	0.19	U
Bolstar	NL	NL	NL	0.19	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U
Chlorpyrifos	NL	NL	NL	0.19	U	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U
Coumaphos	NL	NL	NL	0.2	U	0.2	U	0.19	U	0.19	U	0.21	U	0.19	U	0.2	U	0.19	U
Demeton-O + Demeton-S	NL	NL	NL	0.27	U	0.26	U	0.25	U	0.26	U	0.28	U	0.25	U	0.27	U	0.26	U
Diazinon	NL	NL	NL	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U
Dichlorvos	NL	NL	NL	0.28	U	0.27	U	0.26	U	0.27	U	0.29	U	0.26	U	0.28	U	0.27	U
Dimethoate	NL	NL	NL	0.22	U	0.22	U	0.21	U	0.21	U	0.23	U	0.21	U	0.22	U	0.21	U
Disulfoton	NL	NL	NL	0.26	U	0.25	U	0.24	U	0.25	U	0.26	U	0.24	U	0.26	U	0.25	U
EPN	NL	NL	NL	0.27	U	0.27	U	0.26	U	0.26	U	0.28	U	0.26	U	0.27	U	0.26	U
Ethoprop	NL	NL	NL	0.12	U	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U
Famphur	NL	NL	NL	0.21	U	0.20	U	0.20	U	0.2	U	0.21	U	0.20	U	0.21	U	0.2	U
Fensulfothion	NL	NL	NL	0.33	U	0.33	U	0.32	U	0.32	U	0.34	U	0.31	U	0.33	U	0.32	U
Fenthion	NL	NL	NL	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U
Malathion	NL	NL	NL	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U	0.22	U	0.24	U	0.23	U
Parathion (ethyl parathion)	NL	NL	NL	0.21	U	0.21	U	0.2	U	0.21	U	0.22	U	0.20	U	0.22	U	0.21	U
Methyl parathion	NL	NL	NL	0.22	U	0.22	U	0.21	U	0.21	U	0.23	U	0.21	U	0.22	U	0.21	U
Mevinphos	NL	NL	NL	0.16	U	0.16	U	0.15	U	0.15	U	0.16	U	0.15	U	0.16	U	0.15	U
Phorate	NL	NL	NL	0.13	U	0.13	U	0.12	U	0.13	U	0.14	U	0.12	U	0.13	U	0.13	U
Ronnel	NL	NL	NL	0.19	U	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U
Stirophos	NL	NL	NL	0.2	U	0.2	U	0.19	U	0.2	U	0.21	U	0.19	U	0.21	U	0.2	U
Sulfotepp	NL	NL	NL	0.15	U	0.15	U	0.14	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U
Thionazin	NL	NL	NL	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U
Tokuthion	NL	NL	NL	0.043	U	0.043	U	0.041	U	0.042	U	0.045	U	0.041	U	0.044	U	0.042	U
Trichloronate	NL	NL	NL	0.18	U	0.18	U	0.17	U	0.17	U	0.19	U	0.17	U	0.18	U	0.18	U

NOTES:

1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
2. **Bold font indicates that the compound was detected above its respective laboratory Metho**
3. **Red font indicates that the compound was detected at a concentration above its respective N**
4. **Yellow highlight indicates that the compound was detected at a concentration above its respe**
5. Underlined font indicates that the compound was detected at a concentration above its respe
6. Organophosphorous analyzed by USEPA Method 8141
7. NL indicates Not Listed.
8. U indicates compound not detected above laboratory Method Detection Limit (MDL).

Table 7
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Organophosphorus Compounds in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-37		SS-01		SS-02		SS-03		SS-04		SS-05		SS-06		SS-07	
Sample Depth (ft bgs)				2-6		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
Sample Date				7/15/2019		6/12/2019		6/12/2019		6/12/2019		6/12/2019		6/12/2019		6/12/2019		6/12/2019	
Sample Matrix						Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Organophosphorous Compounds																			
Azinphos-methyl	NL	NL	NL	0.021	U	0.18	U	0.19	U	0.20	U	0.19	U	0.18	U	0.19	U	0.18	U
Bolstar	NL	NL	NL	0.021	U	0.17	U	0.18	U	0.19	U	0.18	U	0.17	U	0.18	U	0.18	U
Chlorpyrifos	NL	NL	NL	0.021	U	0.17	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Coumaphos	NL	NL	NL	0.022	U	0.18	U	0.19	U	0.21	U	0.19	U	0.19	U	0.20	U	0.19	U
Demeton-O + Demeton-S	NL	NL	NL	0.029	U	0.24	U	0.26	U	0.27	U	0.25	U	0.25	U	0.26	U	0.25	U
Diazinon	NL	NL	NL	0.018	U	0.15	U	0.16	U	0.17	U	0.16	U	0.15	U	0.16	U	0.15	U
Dichlorvos	NL	NL	NL	0.03	U	0.25	U	0.27	U	0.29	U	0.26	U	0.26	U	0.27	U	0.26	U
Dimethoate	NL	NL	NL	0.024	U	0.20	U	0.21	U	0.22	U	0.21	U	0.2	U	0.21	U	0.20	U
Disulfoton	NL	NL	NL	0.028	U	0.23	U	0.25	U	0.26	U	0.24	U	0.24	U	0.25	U	0.24	U
EPN	NL	NL	NL	0.03	U	0.25	U	0.26	U	0.28	U	0.26	U	0.25	U	0.26	U	0.25	U
Ethoprop	NL	NL	NL	0.013	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U
Famphur	NL	NL	NL	0.023	U	0.19	U	0.20	U	0.21	U	0.2	U	0.19	U	.20	U	0.19	U
Fensulfothion	NL	NL	NL	0.036	U	0.30	U	0.32	U	0.34	U	0.32	U	0.15	U	0.32	U	0.31	U
Fenthion	NL	NL	NL	0.018	U	0.15	U	0.16	U	0.17	U	0.16	U	0.15	U	0.16	U	0.15	U
Malathion	NL	NL	NL	0.026	U	0.21	U	0.22	U	0.24	U	0.22	U	0.22	U	0.23	U	0.22	U
Parathion (ethyl parathion)	NL	NL	NL	0.023	U	0.20	U	0.21	U	0.22	U	0.21	U	0.20	U	0.21	U	0.20	U
Methyl parathion	NL	NL	NL	0.024	U	0.20	U	0.21	U	0.23	U	0.21	U	0.21	U	0.22	U	0.21	U
Mevinphos	NL	NL	NL	0.017	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U
Phorate	NL	NL	NL	0.042	U	0.12	U	0.13	U	0.13	U	0.13	U	0.12	U	0.13	U	0.15	U
Ronnel	NL	NL	NL	0.021	U	0.17	U	0.18	U	0.20	U	0.18	U	0.18	U	0.19	U	0.18	U
Stirophos	NL	NL	NL	0.022	U	0.19	U	0.20	U	0.21	U	0.19	U	0.19	U	.20	U	0.19	U
Sulfotepp	NL	NL	NL	0.042	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U
Thionazin	NL	NL	NL	0.018	U	0.15	U	0.16	U	0.17	U	0.16	U	0.15	U	0.16	U	0.15	U
Tokuthion	NL	NL	NL	0.0047	U	0.04	U	0.042	U	0.045	U	0.041	U	0.04	U	0.042	U	0.041	U
Trichloronate	NL	NL	NL	0.02	U	0.17	U	0.17	U	0.19	U	0.17	U	0.17	U	0.18	U	0.17	U

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 2. **Bold font indicates that the compound was detected above its respective laboratory Metho**
 3. **Red font indicates that the compound was detected at a concentration above its respective N**
 4. **Yellow highlight indicates that the compound was detected at a concentration above its respe**
 5. **Underlined font indicates that the compound was detected at a concentration above its respe**
 6. Organophosphorous analyzed by USEPA Method 8141
 7. NL indicates Not Listed.
 8. U indicates compound not detected above laboratory Method Detection Limit (MDL).

Table 7
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Organophosphorus Compounds in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SS-08		SS-09		SS-10		SS-11		SS-12		SS-13		SS-14	
Sample Depth (ft bgs)				0-1		0-1		0-1		0-1		0-1		0-1		0-1	
Sample Date				6/12/2019		6/12/2019		6/13/2019		6/13/2019		6/13/2019		6/13/2019		6/13/2019	
Sample Matrix				Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Organophosphorous Compounds																	
Azinphos-methyl	NL	NL	NL	0.18	U	0.20	U	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U
Bolstar	NL	NL	NL	0.17	U	0.19	U	0.17	U	0.17	U	0.17	U	0.18	U	0.19	U
Chlorpyrifos	NL	NL	NL	0.18	U	0.20	U	0.18	U F1	0.17	U	0.17	U	0.18	U	0.19	U
Coumaphos	NL	NL	NL	0.19	U	0.21	U	0.19	U	0.18	U	0.18	U	0.19	U	0.20	U
Demeton-O + Demeton-S	NL	NL	NL	0.25	U	0.28	U	0.25	U	0.24	U	0.24	U	0.25	U	0.26	U
Diazinon	NL	NL	NL	0.15	U	0.17	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U
Dichlorvos	NL	NL	NL	0.26	U	0.29	U	0.29	U	0.25	U	0.25	U	0.26	U	0.28	U
Dimethoate	NL	NL	NL	0.2	U	0.23	U	0.20	U	0.20	U	0.20	U	0.21	U	0.22	U
Disulfoton	NL	NL	NL	0.24	U	0.26	U	0.24	U	0.23	U	0.23	U	0.24	U	0.25	U
EPN	NL	NL	NL	0.25	U	0.28	U	0.25	U	0.25	U	0.25	U	0.26	U	0.27	U
Ethoprop	NL	NL	NL	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U
Famphur	NL	NL	NL	0.36	U	0.17	U	0.19	U	0.19	U	0.19	U	0.20	U	0.21	U
Fensulfothion	NL	NL	NL	0.31	U	0.34	U	0.31	U	0.30	U	0.30	U	0.32	U	0.33	U
Fenthion	NL	NL	NL	0.15	U	0.17	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U
Malathion	NL	NL	NL	0.22	U	0.24	U	0.22	U F1	0.21	U	0.21	U	0.22	U	0.23	U
Parathion (ethyl parathion)	NL	NL	NL	0.2	U	0.22	U	0.20	U	0.20	U	0.20	U	0.20	U	0.21	U
Methyl parathion	NL	NL	NL	0.21	U	0.23	U	0.21	U	0.20	U	0.20	U	0.21	U	0.22	U
Mevinphos	NL	NL	NL	0.15	U	0.16	U	0.15	U	0.15	U	0.14	U	0.15	U	0.16	U
Phorate	NL	NL	NL	0.12	U	0.14	U	0.12	U F1	0.12	U	0.12	U	0.12	U	0.13	U
Ronnel	NL	NL	NL	0.18	U	0.20	U	0.18	U	0.17	U	0.17	U	0.18	U	0.19	U
Stirophos	NL	NL	NL	0.19	U	0.21	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U
Sulfotepp	NL	NL	NL	0.14	U	0.16	U	0.14	U F1	0.14	U	0.14	U	0.14	U	0.15	U
Thionazin	NL	NL	NL	0.15	U	0.17	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U
Tokuthion	NL	NL	NL	0.040	U	0.045	U	0.040	U F1	0.040	U	0.039	U	0.041	U	0.043	U
Trichloronate	NL	NL	NL	0.17	U	0.19	U	0.17	U F1	0.17	U	0.17	U	0.17	U	0.18	U

- NOTES:
- 1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 - 2. Bold font indicates that the compound was detected above its respective laboratory Method Detection Limit (MDL).
 - 3. Red font indicates that the compound was detected at a concentration above its respective background level.
 - 4. Yellow highlight indicates that the compound was detected at a concentration above its respective background level.
 - 5. Underlined font indicates that the compound was detected at a concentration above its respective background level.
 - 6. Organophosphorous analyzed by USEPA Method 8141.
 - 7. NL indicates Not Listed.
 - 8. U indicates compound not detected above laboratory Method Detection Limit (MDL).

Table 7
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Organophosphorus Compounds in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SS-15		SS-16		BLIND DUP-02		BLIND DUP-3		BLIND DUP-071519	
Sample Depth (ft bgs)				0-1		0-1							
Sample Date				6/13/2019		6/13/2019		6/13/2019		6/13/2019		7/15/2019	
Sample Matrix				Soil		Soil		Soil		Soil		Soil	
Organophosphorous Compounds													
Azinphos-methyl	NL	NL	NL	0.18	U	0.19	U	0.18	U	0.18	U	0.018	U
Bolstar	NL	NL	NL	0.18	U	0.18	U	0.18	U	0.18	U	0.018	U
Chlorpyrifos	NL	NL	NL	0.18	U	0.18	U	0.18	U	0.18	U	0.018	U
Coumaphos	NL	NL	NL	0.19	U	0.19	U	0.19	U	0.19	U	0.019	U
Demeton-O + Demeton-S	NL	NL	NL	0.25	U	0.26	U	0.25	U	0.25	U	0.025	U
Diazinon	NL	NL	NL	0.15	U	0.16	U	0.15	U	0.15	U	0.015	U
Dichlorvos	NL	NL	NL	0.26	U	0.27	U	0.26	U	0.26	U	0.026	U
Dimethoate	NL	NL	NL	0.20	U	0.21	U	0.20	U	0.20	U	0.021	U
Disulfoton	NL	NL	NL	0.24	U	0.25	U	0.24	U	0.24	U	0.024	U
EPN	NL	NL	NL	0.25	U	0.26	U	0.25	U	0.25	U	0.026	U
Ethoprop	NL	NL	NL	0.11	U	0.11	U	0.11	U	0.11	U	0.011	U
Famphur	NL	NL	NL	0.19	U	0.20	U	0.19	U	0.19	U	0.020	U
Fensulfothion	NL	NL	NL	0.31	U	0.32	U	0.31	U	0.31	U	0.031	U
Fenthion	NL	NL	NL	0.15	U	0.16	U	0.15	U	0.15	U	0.015	U
Malathion	NL	NL	NL	0.22	U	0.23	U	0.22	U	0.22	U	0.022	U
Parathion (ethyl parathion)	NL	NL	NL	0.20	U	0.21	U	0.20	U	0.20	U	0.020	U
Methyl parathion	NL	NL	NL	0.21	U	0.21	U	0.21	U	0.21	U	0.021	U
Mevinphos	NL	NL	NL	0.15	U	0.15	U	0.15	U	0.15	U	0.015	U
Phorate	NL	NL	NL	0.12	U	0.13	U	0.12	U	0.12	U	0.012	U
Ronnel	NL	NL	NL	0.18	U	0.18	U	0.18	U	0.18	U	0.018	U
Stirophos	NL	NL	NL	0.19	U	0.20	U	0.19	U	0.19	U	0.019	U
Sulfotepp	NL	NL	NL	0.14	U	0.15	U	0.14	U	0.14	U	0.014	U
Thionazin	NL	NL	NL	0.15	U	0.16	U	0.15	U	0.15	U	0.015	U
Tokuthion	NL	NL	NL	0.040	U	0.042	U	0.040	U	0.040	U	0.0041	U
Trichloronate	NL	NL	NL	0.17	U	0.18	U	0.17	U	0.17	U	0.017	U

NOTES:

1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
2. **Bold font indicates that the compound was detected above its respective laboratory Metho**
3. **Red font indicates that the compound was detected at a concentration above its respective N**
4. **Yellow highlight indicates that the compound was detected at a concentration above its respe**
5. Underlined font indicates that the compound was detected at a concentration above its respe
6. Organophosphorous analyzed by USEPA Method 8141
7. NL indicates Not Listed.
8. U indicates compound not detected above laboratory Method Detection Limit (MDL).

Table 8
Site Characterization Report
30 W Main St, Hornell, New York
Summary of PCBs in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-02	SB-12	SB-14	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-25	SB-28	
Sample Depth (ft bgs)				2-5	6.5-10	14-19	1-4	3.5-9.5	13-18	3-6	8.5-13.5	3-7	5-9	5.5-10	
Sample Date				6/5/2019	6/6/2019	6/6/2019	7/15/2019	6/6/2019	6/7/2019	6/15/2019	6/7/2019	6/7/2019	6/7/2019	6/11/2019	6/11/2019
				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCBs															
PCB 1016	See Total	See Total	See Total	0.019 U	0.02 U	0.019 U	0.019 U	0.02 U	0.01 U	0.019 U	0.02 U	0.02 U	0.096 U	0.02 U	
PCB 1221				0.037 U	0.038 U	0.037 U	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.039 U	0.19 U	0.039 U	
PCB 1232				0.022 U	0.022 U	0.022 U	0.022 U	0.23 U	0.022 U	0.021 U	0.022 U	0.023 U	0.11 U	0.023 U	
PCB 1242				0.019 U	0.02 U	0.019 U	0.019 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U	0.096 U	0.02 U	
PCB 1248				0.029 U	0.03 U	0.029 U	0.029 U	0.03 U	0.029 U	0.028 U	0.029 U	0.03 U	0.15 U	0.03 U	
PCB 1254				0.02 U	0.021 U	0.021 U	0.02 U	0.022 U	0.02 U	0.02 U	0.021 U	0.021 U	0.11 U	0.029 U	
PCB 1260				0.019 U	0.02 U	0.02 J	0.019 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U	0.096 U	0.02 U	
Total PCBs	0.1	25	3.2	0.037 U	0.038 U	0.02 J	0.037 U	0.039 U	0.037 U	0.036 U	0.038 U	0.039 U	0.19 U	0.039 U	

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
 2. **Bold font indicates that the compound was detected above its respective laboratory Method Detection Limit (MDL)**
 3. **Red font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO).**
 4. **Yellow highlight indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Industrial Use SCO.**
 5. Underlined font indicates that the compound was detected at a concentration above its respective NYSDEC NYCRR Part 375-6.8(b) Protection of Groundwater SCO.
 6. PCBs analyzed by USEPA Method 8082
 7. U indicates compound not detected above laboratory Method Detection Limit (MDL).
 8. J indicates an estimated value.



Table 8
Site Characterization Report
30 W Main St, Hornell, New York
Summary of PCBs in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-30	SB-33	SB-34	SB-35	SB-36	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07
Sample Depth (ft bgs)				0-5	10-15	8-12	0-5	10-15	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Sample Date				6/11/2019	6/12/2019	6/12/2019	6/13/2019	6/14/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019
				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCBs															
PCB 1016	See Total	See Total	See Total	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.021 U	0.02 U	0.02 U	0.021 U	0.019 U
PCB 1221				0.039 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.041 U	0.038 U	0.038 U	0.04 U	0.037 U
PCB 1232				0.023 U	0.022 U	0.022 U	0.022 U	0.022 U	0.021 U	0.022 U	0.024 U	0.022 U	0.022 U	0.024 U	0.021 U
PCB 1242				0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.021 U	0.02 U	0.02 U	0.021 U	0.019 U
PCB 1248				0.031 U	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.029 U	0.032 U	0.03 U	0.03 U	0.031 U	0.029 U
PCB 1254				0.022 U	0.021 U	0.021 U	0.021 U	0.021 U	0.02 U	0.021 U	0.023 U	0.021 U	0.021 U	0.022 U	0.02 U
PCB 1260				0.02 U	0.02 U	0.031 U	0.02 U	0.02 U	0.019 U	0.02 U	0.059 U	0.09 U	0.22 U	0.021 U	0.019 U
Total PCBs	0.1	25	3.2	0.039 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.059 U	0.09 U	0.038 U	0.04 U	0.037 U

NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)
2. **Bold font indicates that the compound was detected above its respective lat**
3. **Red font indicates that the compound was detected at a concentration above its r**
4. **Yellow highlight indicates that the compound was detected at a concentration abc**
5. **Underlined font indicates that the compound was detected at a concentration abc**
6. PCBs analyzed by USEPA Method 8082
7. U indicates compound not detected above laboratory Method Detection Limit (MD
8. J indicates an estimated value.



Table 8
Site Characterization Report
30 W Main St, Hornell, New York
Summary of PCBs in Soil
LaBella Project # 2170285

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Industrial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	BD-02	BD-03
Sample Depth (ft bgs)				0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		
Sample Date				6/12/2019	6/12/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/13/2019	6/14/2019
				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCBs														
PCB 1016	See Total	See Total	See Total	0.019 U	0.02 U	0.019 U	0.018 U	0.019 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.021 U
PCB 1221				0.037 U	0.039 U	0.037 U	0.035 U	0.037 U	0.037 U	0.038 U	0.37 U	0.038 U	0.036 U	0.04 U
PCB 1232				0.021 U	0.023 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.022 U	0.022 U	0.021 U	0.024 U
PCB 1242				0.019 U	0.02 U	0.019 U	0.018 U	0.019 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.021 U
PCB 1248				0.029 U	0.03 U	0.029 U	0.028 U	0.028 U	0.029 U	0.03 U	0.029 U	0.03 U	0.028 U	0.031 U
PCB 1254				0.02 U	0.021 U	0.02 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.021 U	0.02 U	0.022 U
PCB 1260				0.019 U	0.02 U	0.019 U	0.018 U	0.019 U	0.019 U	0.02 U	0.019 U	0.02 J	0.019 U	0.021 U
Total PCBs	0.1	25	3.2	0.037 U	0.039 U	0.037 U	0.035 U	0.037 U	0.037 U	0.038 U	0.37 U	0.02 J	0.036 U	0.04 U

- NOTES:
1. All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)
 2. **Bold font indicates that the compound was detected above its respective lat**
 3. **Red font indicates that the compound was detected at a concentration above its r**
 4. **Yellow highlight indicates that the compound was detected at a concentration abc**
 5. **Underlined font indicates that the compound was detected at a concentration abc**
 6. PCBs analyzed by USEPA Method 8082
 7. U indicates compound not detected above laboratory Method Detection Limit (MD
 8. J indicates an estimated value.



Table 9
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Volatile Organic Compounds in Groundwater
LaBella Project # 2170285

Sample ID	NYCRR Part 703 Groundwater Quality Standards	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	Duplicate-01**	Duplicate-01***
Sample Date		6/24/2019	6/21/2019	7/10/2019	7/10/2019	7/11/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	6/21/2019	7/11/2019
1,1,1-Trichloroethane	5	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2,2-Tetrachloroethane	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
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	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
1,1,2-Trichloroethane	1	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
1,1-Dichloroethane	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
1,1-Dichloroethene	5	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2,3-Trichlorobenzene	NL	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
1,2,4-Trichlorobenzene	5	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2,4-Trimethylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-Chloropropane	0	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dibromoethane	NL	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
1,2-Dichlorobenzene	3	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
1,2-Dichloroethane	0.6	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
1,2-Dichloropropane	1	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
1,3,5-Trimethylbenzene	5.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.41 J	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	3	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
1,4-Dichlorobenzene	3	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
1,4-Dioxane	NL	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
2-Butanone (MEK)	NL	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
2-Hexanone	50*	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
4-Isopropyltoluene	NL	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.23 J	0.2 U	0.2 U	0.2 U
4-Methyl-2-Pentanone (MIBK)	NL	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
Acetone	50*	4.3 J	2.2 J	3.6 BJ	2.3 BJ	2.1 U	2.1 U	2.1 U	2.4 BJ	2.1 U	2.2 U	2.5 BJ
Benzene	1	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
Bromochloromethane	NL	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Bromodichloromethane	50*	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Bromoform	50*	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Bromomethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Carbon Disulfide	60*	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Carbon tetrachloride	5	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chlorobenzene	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
Chloroethane	5	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroform	7	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	NL	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.3 BJ	0.28 U	0.28 U
cis-1,2-Dichloroethene	5	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
cis-1,3-dichloropropene	0	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
Cyclohexane	NL	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Dibromochloromethane	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
Dichlorodifluoromethane (CFC 12)	5	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Dichloromethane	NL	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Ethylbenzene	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
Isopropylbenzene	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
m,p-xylenes	NL	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.26 J	0.2 U	0.2 U	0.2 U
Methyl Acetate	NL	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Methyl tert-butyl ether	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
Methylcyclohexane	NL	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.38 J	0.2 U	0.2 U	0.2 U
Naphthalene	10*	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.6 J	0.24 U	0.24 U	0.24 U
n-Butylbenzene	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
n-Propylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.26 J	0.2 U	0.2 U	0.2 U
o-Xylene	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
sec-Butylbenzene	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
Styrene	5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.2 U	0.2 U	0.2 U	0.24 U	0.2 U
tert-Butylbenzene	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
Tetrachloroethene (PCE)	5	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Toluene	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
trans-1,2-Dichloroethene	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
trans-1,3-dichloropropene	0	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Trichloroethene (TCE)	5	0.2 U	0.2 U	0.2 U	0.2 U	0.94 J	0.45 J	0.21 J	1.3	0.2 U	0.2 U	1.1
Trichlorofluoromethane (CFC 11)	5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Vinyl chloride	2	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

NOTES:

1. All values displayed in micrograms per liter (ug/L) or parts per billion (ppb).

2. Bold font indicates that the compound was detected above its respective laboratory MDL.

3. Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard.

4. * indicates no Part 703 Standard; TOGS 1.1.1 Guidance Value is listed.

5. ** indicates parent sample was MW-02

6. *** indicates parent sample was MW-05

7. NL indicates Not Listed.

8. U indicates the analyte is not detected above the laboratory's Method Detection Limit (MDL).

9. J indicates that the result is estimated.

10. BJ indicates the result was estimated due to detection in a Blank sample.

11. VOCs analyzed by USEPA Method 8260.

Table 10
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Semi-Volatile Organic Compounds in Groundwater
LaBella Project # 2170285

Sample ID	NYCRR Part 703 Groundwater Quality Standards	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	Duplicate-01**	Duplicate-01***
Sample Date		6/24/2019	6/21/2019	7/10/2019	7/10/2019	7/11/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	6/21/2019	7/11/2019
1,2,4,5-Tetrachlorobenzene	10*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,3,4,6-Tetrachlorophenol	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	1*	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4,6-Trichlorophenol	1*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dichlorophenol	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dimethylphenol	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dinitrophenol	10*	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
2,4-Dinitrotoluene	5	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
2,6-Dinitrotoluene	5	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
2-Chloronaphthalene	10*	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2-Chlorophenol	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Methylnaphthalene	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Methylphenol (o-cresol)	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline	5	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
2-Nitrophenol	1.0	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
3,3-Dichlorobenzidine	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
3- and 4-Methylphenol Coelution	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
3-Nitroaniline	5	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
4,6-Dinitro-2-Methylphenol	NL	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
4-Bromophenyl-phenyl ether	NL	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
4-Chloro-3-Methylphenol	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Chloroaniline	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl-Phenylether	NL	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
4-Nitroaniline	5	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Nitrophenol	NL	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Acenaphthene	20*	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Acenaphthylene	NL	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Acetophenone	NL	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Anthracene	50*	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
Atrazine	7.5	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Benz(a)anthracene	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzaldehyde	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Benzo(a)pyrene	NL	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Benzo(b)fluoranthene	0.002*	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Benzo(g,h,i)perylene	NL	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
Benzo(k)fluoranthene	0.002*	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
Biphenyl	NL	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2,2'-Oxybis(1-chloropropane)	NL	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
Bis(2-chlorethoxy)methane	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-chloroethyl)ether	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-ethylhexyl)phthalate	5	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U
Butyl Benzyl Phthalate	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Caprolactam	NL	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbozale	NL	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chrysene	0.002*	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
Di-n-butyl Phthalate	50	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Di-n-octyl Phthalate	50*	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dibenz(a,h)anthracene	NL	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
Dibenzofuran	NL	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Diethyl Phthalate	50*	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
Dimethyl Phthalate	50*	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
Fluoranthene	50*	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
Fluorene	50*	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexachlorobenzene	0	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
Hexachlorobutadiene	NL	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Hexachlorocyclopentadiene	5	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
Hexachloroethane	5	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
Indeno(1,2,3-cd)pyrene	0.002*	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
Isophorone	50*	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
N-Nitrosodi-n-propylamine	NL	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodiphenylamine	NL	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Naphthalene	10*	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Nitrobenzene	0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	1	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Phenanthrene	50*	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Phenol	1	1 U	1 U	1 U	1 U	3 U	3 U	3 U	3 U	3 U	1 U	3 U
Pyrene	50*	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U

NOTES:

1. All values displayed in micrograms per liter (ug/L) or parts per billion (ppb).

2. **Bold font indicates that the compound was detected above its respective laboratory MDL.**

3. Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard.

4. * indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed.

5. ** indicates parent sample was MW-02

6. *** indicates parent sample was MW-05

7. NL indicates Not Listed.

8. U indicates the analyte is not detected above the laboratory's Method Detection Limit (MDL).

9. J indicates that the result is estimated.

10. BJ indicates the result was estimated due to detection in a Blank sample.

11. SVOCs analyzed by USEPA Method 8270.

Table 11
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Metals in Groundwater
LaBella Project # 2170285

Sample ID	NYCRR Part 703 Groundwater Quality Standards	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	Duplicate-01**	Duplicate-01***
Sample Date		6/24/2019	6/21/2019	7/10/2019	7/10/2019	7/11/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	6/21/2019	7/11/2019
Aluminum	100*	23 U	109	23 U	101	89.5 J	37.7 J	24.8 J	37.7 J	31.5 J	120	56.6 J
Antimony	3	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Arsenic	25	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
Barium	1000	75.5	58.7	57.8	70.6	177	105	77.5	228	69.2	59.3	179
Beryllium	3*	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Cadmium	5	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Calcium	NL	60,700	54,400	46,200	56,700	139,000	90,300	64,300	140,000	54,200	55,500	142,000
Chromium, trivalent	50	0.59 U	0.59 U	0.59 U	0.59 U	4.8 J	0.59 U	0.59 U	0.59 U	0.59 U	0.7 J	3.1 J
Cobalt	5*	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U	0.89 U
Copper	200	3.9 U	3.9 U	3.9 U	16.6 J	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
Iron	300	18 U	120	22.8 J	112	131	29.8 J	18 U	130	49.6 J	120	87.8 J
Lead	25	2.1 U	2.1 U	2.1 U	2.1 U	50 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Magnesium	35,000*	11,100	10,600	9,160	11,400	23,600	15,800	12,400	21,300	10,100	10,600	24,000
Manganese	300	3.7 U	45.9	15.2	9.7 J	80.5	10.3	3.7 U	1,360	5.2 J	45.6	91.1
Mercury	0.7	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U	0.077 U
Nickel	100	2.6 U	2.6 U	2.6 U	2.6 U	10.3 J	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	12.8 J
Potassium	NL	2,180	2,190	2,330	2,290	4,130	2,820	2,310	6,670	2,350	2,260	4,200
Selenium	10	7.6 J	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
Silver	50	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Sodium	20,000	43,600	26,900	25,800	30,700	182,000	87,400	43,800	393,000	31,100	27,000	181,000
Thallium	0.5*	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Vanadium	NL	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Zinc	2,000*	9.4 U	9.4 U	9.4 U	10.7 J	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

- NOTES:
1. All values displayed in micrograms per liter (ug/L) or parts per billion (ppb).
 2. **Bold font indicates that the compound was detected above its respective laboratory MD**
 3. **Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard.**
 4. * indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed.
 5. ** indicates parent sample was MW-02
 6. *** indicates parent sample was MW-05
 7. NL indicates Not Listed.
 8. U indicates the analyte is not detected above the laboratory's Method Detection Limit (MDL)
 9. J indicates that the result is estimated.
 10. BJ indicates the result was estimated due to detection in a Blank sample.
 11. Metals analyzed by USEPA Method 6010/7471.

Table 12
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Pesticides & Herbicides in Groundwater
LaBella Project # 2170285

Sample ID	NYCRR Part 703 Groundwater Quality Standards	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	Duplicate-01**	Duplicate-01***
Sample Date		6/24/2019	6/21/2019	7/10/2019	7/10/2019	7/11/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	6/21/2019	7/11/2019
Pesticides												
4,4'-DDD	0.3	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'-DDE	0.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,4'-DDT	0.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Aldrin	NL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
alpha-BHC	0.01	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
beta-BHC	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
alpha-Chlordane	0.05	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
delta-BHC	NL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan I	0.004	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan II	NL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan sulfate	NL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	NL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	NL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
gamma-BHC (lindane)	5	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
gamma-Chlordane	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.03	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	NL	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	0.06	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	NL	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
Herbicides												
2,4,5-T	35	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
2,4,5-TP	0.026	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
2,4-D	50	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Dicamba	0.44	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

- NOTES:
1. All values displayed in micrograms per liter (ug/L) or parts per billion (ppb).
 2. **Bold font indicates that the compound was detected above its respective laboratory MDL.**
 3. Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard.
 4. * indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed.
 5. ** indicates parent sample was MW-02
 6. *** indicates parent sample was MW-05
 7. NL indicates Not Listed.
 8. U indicates the analyte was not detected above the laboratory's Method Detection Limit (MDL).
 9. Pestidices analyzed by USEPA Method 8081 and Herbicides analyzed by USEPA method 8151.

Table 13
Site Characterization Report
30 W Main St, Hornell, New York
Summary of Organophosphorus Compounds in Groundwater
LaBella Project # 2170285

Sample ID	NYCRR Part 703 Groundwater Quality Standards	MW-01		MW-02		MW-03		MW-04		MW-05		MW-06		MW-07		MW-08		MW-09		Duplicate-01**		Duplicate-01***	
Sample Date		6/24/2019		6/21/2019		7/10/2019		7/10/2019		7/11/2019		7/12/2019		7/12/2019		7/12/2019		7/12/2019		6/21/2019		7/11/2019	
Azinphos-methyl	NL	0.24	U	0.24	U	0.25	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
Bolstar	NL	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
Chlorpyrifos	NL	0.22	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
Coumaphos	NL	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U
Demeton-O + Demeton-S	NL	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Diazinon	NL	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Dichlorvos	NL	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Dimethoate	NL	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Disulfoton	NL	0.23	U	0.22	U	0.23	U	0.22	U	0.23	U	0.22	U	0.22	U	0.23	U	0.22	U	0.22	U	0.22	U
EPN	NL	0.24	U	0.24	U	0.25	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
Ethoprop	NL	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Fensulfothion	NL	0.27	U	0.26	U	0.27	U	0.26	U	0.27	U	0.26	U	0.26	U	0.27	U	0.26	U	0.26	U	0.26	U
Fenthion	NL	0.11	U	0.1	U	0.11	U	0.1	U	0.11	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
Malathion	NL	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
Parathion (ethyl parathion)	NL	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Methyl parathion	NL	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Mevinphos	NL	0.42	U	0.42	U	0.43	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
Phorate	NL	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Ronnel	NL	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Stirophos	NL	0.16	U	0.15	U	0.16	U	0.15	U	0.16	U	0.15	U	0.15	U	0.16	U	0.15	U	0.15	U	0.15	U
Sulfotepp	NL	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Tokuthion	NL	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Trichloronate	NL	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U

- NOTES:
1. All values displayed in micrograms per liter (ug/L) or parts per billion (ppb).
 2. **Bold font indicates that the compound was detected above its respective laboratory MDL.**
 3. Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard.
 4. * indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed.
 5. ** indicates parent sample was MW-02
 6. *** indicates parent sample was MW-05
 7. NL indicates Not Listed.
 8. U indicates the analyte is not detected above the laboratory's Method Detection Limit (MDL).
 9. Organophosphates analyzed by USEPA Method 8141.

Table 14
Site Characterization Report
30 W Main St, Hornell, New York
Summary of PCBs in Groundwater
LaBella Project # 2170285

Sample ID	NYCRR Part 703 Groundwater Quality Standards	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	Duplicate-01**	Duplicate-01***
Sample Date		6/24/2019	6/21/2019	7/10/2019	7/10/2019	7/11/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	6/21/2019	7/11/2019
PCB 1016	NL	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U
PCB 1221	NL	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
PCB 1232	NL	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
PCB 1242	NL	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
PCB 1248	NL	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U
PCB 1254	NL	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
PCB 1260	NL	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Total PCBs	0.09	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U

- NOTES:
- 1. All values displayed in micrograms per liter (ug/L) or parts per billion (ppb).
 - 2. **Bold font indicates that the compound was detected above its respective laboratory MDL.**
 - 3. Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard.
 - 4. * indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed.
 - 5. ** indicates parent sample was MW-02
 - 6. *** indicates parent sample was MW-05
 - 7. NL indicates Not Listed.
 - 8. U indicates the analyte is not detected above the laboratory Method Detection Limit (l
 - 9. PCBs analyzed by USEPA Method 8082.