Former Carriage Factory

MONROE COUNTY, NEW YORK

Site Management Plan

NYSDEC Site Number: C828184

Prepared for:

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Revisions to Final Approved Site Management Plan:

Revision #	Submitted Date	Summary of Revision	DEC Approval Date

DECEMBER 2014

CERTIFICATIONS

I, Peter Nielsen certify that I am currently a New York State-registered professional engineer and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Signature

12/4/14

Date

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1.0 Introduction and Description of Remedial Program

1.1 INTRODUCTION

This document is required as an element of the remedial program at the Former Carriage Factory Site (hereinafter referred to as the "Site") under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by New York State Department of Environmental Conservation (NYSDEC). The site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index#C828184-01-13, Site #C828184, which was executed on February 26, 2013.

1.1.1 General

Carriage Factory Special Needs Apartments, L.P. (CFSNA) entered into a BCA with the NYSDEC to remediate a 1.5± acre property located in Rochester, New York (Figure 1). This BCA required the Remedial Party, Carriage Factory Special Needs Apartments, L.P., to investigate and remediate contaminated media at the site. Figure 2 depicts the site location, boundaries and surrounding properties of this 1.5± -acre site. The boundaries of the site are more fully described in the metes and bounds site description that is part of the Environmental Easement (see copy of final recorded Easement and Final Survey, Appendix A).

After completion of the remedial work described in the Interim Remedial Action Work Plan, some contamination was left in the subsurface at this site, which is hereafter referred to as 'remaining contamination." This Site Management Plan (SMP) was prepared to manage remaining contamination at the site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. All reports associated with the site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State.

This SMP was prepared by Stantec Consulting Services, Inc, on behalf of CFSNA, in accordance with the requirements in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and the guidelines provided by NYSDEC. This SMP addresses the means for implementing the Institutional Controls (ICs) and Engineering Controls (ECs) that are required by the Environmental Easement for the site.

1.1.2 Purpose

The site contains contamination left after completion of Remedial Actions. Engineering Controls have been incorporated into the site remedy to control exposure to remaining contamination during the use of the site to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Monroe County Clerk, will require compliance with this SMP and all ECs and ICs placed on the site. The ICs place restrictions on site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs. This SMP specifies the methods necessary to ensure compliance with all ECs and ICs required by the Environmental Easement for contamination that remains at the site. This plan has been approved by the NYSDEC, and compliance with this plan is required

by the grantor of the Environmental Easement and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

This SMP provides a detailed description of procedures required to manage remaining contamination at the site after completion of the Remedial Action, including: (1) implementation and management of all Engineering and Institutional Controls; (2) media monitoring; (3) operation and maintenance of all treatment, collection, containment, or recovery systems; (4) performance of periodic inspections, certification of results, and submittal of Periodic Review Reports; and (5) defining criteria for termination of treatment system operations.

To address these needs, this SMP includes three plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; (2) a Monitoring Plan for implementation of Site Monitoring; (3) an Operation and Maintenance Plan for implementation of remedial collection, containment, treatment, and recovery systems (including, where appropriate, preparation of an Operation and Maintenance Manual for complex systems).

This plan also includes a description of Periodic Review Reports for the periodic submittal of data, information, recommendations, and certifications to NYSDEC.

It is important to note that:

- This SMP details the site-specific implementation procedures that are required by the Environmental Easement. Failure to properly implement the SMP is a violation of the environmental easement, which is grounds for revocation of the Certificate of Completion (COC);
- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6 New York Codes Rules and Regulations, Part 375 (6NYSCRR Part 375) and the BCA Index#C828184-01-13, Site #C828184 for the site, and thereby subject to applicable penalties.

1.1.3 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. In accordance with the Environmental Easement for the site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.2 SITE BACKGROUND

1.2.1 Site Location and Description

The Site is a 1.5±-acre parcel located at 33 Litchfield Street in the City of Rochester, Monroe County, New York (see Site Plan, Figure 2). The site is bounded by Wiley Street and DeVault Storage Services, Inc. to the north, a parking lot to the south, Litchfield Street and a warehouse to the east, and Clark Alley and residences to the west (see Figure 2). The boundaries of the site are more fully described in the Metes and Bounds description portion of the Environmental Easement in Appendix A .

Site redevelopment was completed in November 2014. The development consisted of converting the existing building into the Carriage Factory Apartments. This mixed-use residential development includes apartments for clients with special needs and affordable housing units. There is no commercial space. The total square footage of the building is approximately 71,600 square feet.

Access to the Site is from Litchfield Street and access to the building entrance is from a surface parking area south of the building. The completed project includes approximately 52 parking spaces. The site development incorporates six-foot high ornamental perimeter fences with decorative brick piers along the Litchfield Street side of the site. The facility utilities include water, sewer, power, telephone and natural gas connections.

1.2.2 Site History

The property was formerly occupied by a vacant, 5-story brick building (including a basement). The building was originally built in 1900 for the production of horse-drawn carriages, and was one of the oldest manufacturing plants in Rochester. Prior to the construction of the facility the area was primarily residential. The manufacturing process included rough stock handling, a machine shop and spray painting operations in the basement of the facility. The first floor presumably housed the product machining operations; the second floor contained assembly and tool rooms; the third floor operated as finish stock; and the fourth floor contained the pattern shop and experimental department operations.

A variety of commercial and industrial tenants occupied the building between 1962 and 1993; these operations reportedly included manufacture of wood trim/accent-related products for the automotive industry, other automotive parts, and clothing washers and dryers. A 1971 Sanborn maps indicates the first floor of the facility was occupied by Statewide Machinery, Inc., manufacturers of washers and dryers. There was a spray booth reportedly in the southwestern corner of the facility.

Operations at the Site ceased in approximately 1993 and the site was essentially vacant between then and the time when site redevelopment construction commenced in March 2013.

1.2.3 Previous Environmental Investigations

The Site was the subject of several phases of pre-BCP environmental investigation by Development and Environmental Consultants, Inc. (DECI) related to the potential purchase of the property by CFSNA. The following is a listing of the written reports provided to Stantec for review and a summary of the primary environmental findings from each report. Copies of each of the discussed reports are included in Appendix A of the Remedial Investigation Work Plan (RIWP) dated April 2013.

***Phase I Environmental Site Assessment (ESA),* dated September 2010 by Development & Environmental Consultants, Inc. (DECI).**

The Phase I ESA determined that historical Site operations included manufacture of wood trim/accent-related products for the automotive industry, other automotive parts, and clothing washers and dryers. Several potential "Recognized Environmental Conditions" (RECS, as defined by the ASTM Standard E1527-05) were identified that warranted further investigation. These included: floor drains with unknown discharge points; abandoned and potentially leaking drums in the basement and on the third floor; and apparent petroleum staining near the loading dock and in the southern portion of the Site. Other environmental concerns were identified that do not necessarily constitute RECs, such as the potential presence of Asbestos-Containing Building Materials (ACM), Lead-Based Paint, and polychlorinated biphenyl (PCB)-containing light ballasts. Excessive bird excrement was also observed in the building.

***Phase II, Limited Subsurface Investigation, Carriage Factory Special Needs Apartments,* dated February 2011, by DECI.**

This investigation consisted of nine soil test borings performed in December 2010. Six borings were performed at exterior locations and three were located in the basement of the building. A total of 16 soil samples were submitted for laboratory analysis for Target Analyte List (TAL) metals, PCBs, Pesticides, and Target Compound List (TCL) volatile organic compounds (VOCs) and Semivolatile Organic Compounds (SVOCs). Not all samples were analyzed for all compound classes.

Fill soils were encountered at each exterior test boring location. The estimated fill thickness ranged from approximately 1.8 to 4.4 ft, with an average of 2.9 feet The fill typically consisted of a mixture of materials described as ash, slag, cinders, bricks, concrete and variable amounts of silt, sand and gravel. Organic materials were often noted. These soil conditions represent typical urban fill. Most exterior locations were covered by asphalt.

Refusal on suspected bedrock was experienced at the three interior basement borings (B-7 through B-9) at depths ranging from 2.3 to 3.5 feet

The soil analytical results indicated the following:

- PCBs were not present at or above the detection limits. Three Pesticide compounds were detected at low levels in the three interior basement soil samples but the levels were well below the NYSDEC Soil Cleanup Objectives (SCOs) for both Restricted Residential (RR) Use and for Protection of Groundwater (POGW).

- Several SVOC compounds were detected in several soil samples; however, the detections were below SCOs, with one exception. The shallow (0-4 ft below ground surface) sample in Test Boring B-5 (located exterior in close proximity to the south side of the building) contained several compounds at levels in excess of either the RR or POGW SCOs, or both.

- Multiple chlorinated VOC compounds (CVOCs) were detected in several soil samples, including samples obtained in the basement of the building; however, only one sample

(the shallow [0-4 ft bgs] sample from Test Boring B-5) exhibited an SCO exceedence: trichloroethene (TCE) was present at 1,110 micrograms per kilogram (ug/kg; equivalent to parts per billion, or *ppb*). This does not exceed the RR SCO but does exceed the POGW SCO of 470 ug/kg. TCE and tetrachloroethene (PCE) were the primary VOCs present in the samples, with apparent "daughter" products of these compounds which typically result from their natural degradation, such as cis-1,2-dichloroethylene (cis-1,2-DCE) and trans-1-2-dichloroethylene (trans-1,2-DCE).

- Several metals compounds were detected in several samples at concentrations above the SCOs, including aluminum, calcium, copper, iron, magnesium, manganese, lead, mercury and zinc. These results are considered typical for either naturally-occurring soils in this region or the urban fill soils observed in the test borings including ash, cinders, slag, concrete, etc.

***Phase II, Site Qualification Investigation, Carriage Factory Special Needs Apartments*, dated (revised) November 2011, by DECI;**

This investigation included eight additional exterior test borings and associated soil sampling and analysis, performed to further characterize soil conditions at the Site. In addition, eleven basement sub-slab vapor samples were obtained and analyzed for VOCs using USEPA Method TO-15, due to previous soil sampling efforts that indicated the presence of VOCs in soil beneath the building's basement slab.

Soil Results: A total of 13 soil samples were submitted for analysis for TCL SVOCs and VOCs or Pesticides. Not all soil samples were analyzed for all analyte groups. The soil analytical results indicated the following:

- Two pesticide compounds were detected in three samples; however the concentrations were well below RR or POGW SCOs.

- SVOCs were not detected in any samples.

- VOCs were not detected in any samples with the exception of acetone in one sample; this was attributed to lab contamination since acetone was detected in an associated laboratory blank.

Vapor Results: The sub-slab vapor results were compared to New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion* (October 2006). The sub-slab vapor analytical results indicated the following:

- Four of the samples indicated detected VOCs were present at levels below that which requires monitoring or mitigation;

- Two samples indicated VOC levels that require monitoring; and

- Five samples indicated levels that require mitigation.

***Phase II, Groundwater Sampling, Carriage Factory, Wells RW-1 through RW-3,* dated April 2012 by DECI;**

***Phase II, Groundwater Sampling Addendum, Wells RW-4, 5 & 6,* dated May 2012 by DECI; and**

***Phase II Groundwater Sampling Addendum, Wells RW-7, 8, 9, 11, 12 and 13,* dated June 2012 by DECI;**

These reports collectively summarize the installation and sampling of twelve groundwater monitoring wells (RW-1 through RW-9 and RW-11 through RW-13) at the Site in three separate investigation phases during the time period between March and June 2012. Three wells were installed in the basement of the building; nine additional wells were installed at exterior locations, including two additional onsite wells and five offsite wells installed in the adjacent street rights-of-way (ROWs). The wells were installed into bedrock to depths ranging from 12.7 to 14.0 ft below the basement floor slab (RW-1 through RW-3), and 17.6 to 23.3 ft below the existing grade for exterior locations (RW-4 through RW-13; note: no boring or well was installed at the RW-10 location). Apparent top of bedrock was encountered in the interior locations at depths of approximately 2.0 to 3.3 ft below the floor slab.

Bedrock was encountered in each well boring and it was generally described as gray dolostone, with variable frequency and orientations of fractures, with occasional pits and vugs.

Measurements were taken for the presence of non-aqueous phase liquids (NAPL) in each well; no evidence of NAPL was observed. Groundwater levels obtained on June 17, 2012 for the entire set of wells indicated overall groundwater flow to be toward the northeast and east. The water table on that date ranged from up to 1.6 ft above the top of bedrock to 2.1 ft below the top of bedrock.

Groundwater quality sampling was performed on March 23, April 25, and June 12, 2012. SVOCs were not detected in the samples. CVOCs were detected at levels in excess of NYSDEC's groundwater standards in 9 of the 12 monitoring wells. The compounds included PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride. Not all compounds were detected in each sample. The highest concentrations were observed in well RW-6 (Total CVOCs 888 micrograms per liter, or ug/l; equivalent to parts per billion, or *ppb*), an offsite well located north of the site on the north side of Wiley Street. The well exhibiting the highest onsite concentrations was RW-3 (224 ug/L), located near the center of the building footprint.

The soil and groundwater data obtained indicated a source for at least a portion of the CVOCs observed in groundwater may exist on the Site since similar compounds were observed in both soil and groundwater. However, the distribution of CVOC concentrations are such that TCE is the primary CVOC in the onsite wells but PCE is the primary contaminant in the offsite, downgradient well RW-6 located north of the Site. This is strongly suggestive of a separate, offsite VOC source to the north of the Site.

***Letter to The DePaul Group, Basement Sub-slab Soil Sampling*, dated August 17, 2012, by DECI.**

A total of nine soil samples were obtained from beneath the concrete basement floor slab as it was removed in June 2012. Composite samples were obtained from multiple locations within four distinct work areas in June 2012. Visual observations and photoionization detector (PID) screening of the soils reportedly did not indicate the presence of contaminants. The samples were submitted for laboratory analysis for CVOCs using USEPA Method 8260B.

Trace levels of one or more CVOCs were detected in each sample. Compounds included PCE, TCE, cis-1,2-DCE and trans-1,2-DCE. All concentrations were below the Unrestricted Use SCOs, and the report concluded that remedial action was therefore not required.

***Letter to the DePaul Group, Basement Sump Sampling Results*, dated August 17, 2012, by DECI.**

Sediment, water and soil samples were obtained on August 2, 2012 in and surrounding a sump discovered in the basement during the floor slab removal activities. The sump was a "poured concrete" structure approximately 6 x 8 ft in lateral dimension, with two base levels at approximately 3 and 3.5 ft below grade. The sump appeared to be constructed directly on bedrock, with the deepest portion at an approximate elevation of 513.2 ft amsl.

The sump walls were exposed through excavation of a trench around the outside of the structure, and soil samples were obtained from each of the four exposed soil sidewalls for laboratory analysis for TCL VOCs and SVOCs, and TAL metals.

Water in the sump was noted to be "brackish," and the sediments "appeared black as if oil-impacted." Samples of the water and sediment contained in the sump were obtained for laboratory analysis for TCL VOCs and SVOCs and TAL metals.

The DECI report incorrectly indicated no VOCs or SVOCs were detected in any of the samples. In fact, the lab report indicates two SVOC compounds (phenanthrene and pyrene) and two VOC compounds (m,p- and o-xylene) were detected in the sump sediment sample; however, the concentrations were below the respective RR SCOs. Acetone was also present in some samples but was attributed to laboratory contamination due to its presence in a lab blank. VOCs and SVOCs were not detected in the water samples.

Several metals compounds were detected in the soil and sediment samples; however, only calcium, iron and magnesium were detected at levels in excess of the RR SCOs. These metals occur naturally in soils in this region and their presence is not considered to be indicative of Site-related impacts. Several metals were detected in the water sample at concentrations above the NYSDEC groundwater standards (*TOGS 1.1.1, June 1998 and addenda*), including iron, lead, magnesium, manganese, nickel and sodium. The water sample was not reported to have been filtered, however, and therefore, these results were likely a function of suspended solids in the sample and not representative of dissolved metals concentrations.

1.2.4 Geologic and Hydrogeologic Conditions

The following description of geology and hydrogeology is adapted from the August 2014 Remedial Investigation (RI) report described in Section 1.3.

Geologic Conditions

The general subsurface profile observed across the Site consists of the following deposits, in order of increasing depth:

- Fill materials,
- Glacial till, and
- Dolostone bedrock (Eramosa Dolomite formation).

Surface Materials and Fill - Surface materials (0-1 ft bgs) at the investigation locations across the Site were typically topsoil, sand/silt/gravel mixtures, or intact to weathered asphalt.

Fill materials beneath the surface materials varied in composition, but typically consisted of silt/sand/gravel mixtures, with varying amounts of ash, cinder, and brick. The fill deposit extended in depth to approximately 2 to 4 ft bgs at the exploration locations and is deeper adjacent to building foundation walls. Fill materials encountered during trench and test pit excavation was primarily composed of urban fill consisting of ash, cinder, brick, construction debris (including large angular stone, rubble, and metal objects) and silt/sand/gravel mixtures.

Native Soils - Glacial till was encountered beneath the fill materials in test borings and test pits across the Site. The till is generally light brown and consists of a variable mixture of clay, silt and sand with variable amounts of gravel.

Bedrock - Bedrock was encountered at depths ranging from 2 to 13 ft bgs at the exploration locations. Rock was cored and characterized at those test boring locations which were converted into bedrock groundwater monitoring wells (B101-MW, B102-MW, B106-MW, and B108-MW). Bedrock at the site is the Eramosa Dolomite formation, and was characterized as light gray, hard, slightly-weathered, medium- to thick-bedded Dolostone. Dark gray shale seams, pits, vugs, and joints, including moderately weathered-bedding plane joints, were also observed at varying depths throughout the cores.

Hydrogeologic Conditions

Groundwater elevation measurements taken in completed monitoring wells at the site indicate the water table is typically at or near the top of bedrock. Figures 3A and 3B show groundwater contours based on water levels obtained on May 15, 2013 and February 1, 2014. The contours indicate a groundwater "high" exists beneath the northwest portion of the property in the vicinity of wells B108-MW, RW-3, RW-8, and RW-9, and groundwater flows radially away from this area. Although groundwater levels vary seasonally, the groundwater high appears to persist.

1.3 SUMMARY OF REMEDIAL INVESTIGATION FINDINGS

A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the site. The results of the RI are described in detail in the *Remedial Investigation Report, Brownfield Cleanup Program Site #C828184, Former Carriage Factory,*

33 Litchfield Street, Rochester, Monroe County, New York, dated August 2014, by Stantec. The RI report was accepted by NYSDEC and NYSDOH . Below is a generalized summary of the findings of the RI, which was performed between December 2012 and June 2013:

Passive Soil Gas Findings:

- Areas of elevated CVOC impacts were identified in soil gas beneath the west side of the building and adjacent to the loading dock on the south side of the building. (See Figure 4A). The primary compounds were TCE and PCE, which are common constituents of degreasing solvents likely used in historical operations at the Site.
- An area of elevated petroleum-related VOC soil gas concentrations was reported in the south-central portion of the basement, beneath the atrium (Figure 4B). Lesser impacts by petroleum-related compounds were also observed in interior and exterior areas.
- Elevated CVOCs were also observed in offsite areas north of the Site limits, in the Wiley Street ROW; however, these compounds appear to be at least in part from offsite sources.

Soil Findings:

- *Geophysical survey*: An EM-61 survey identified four exterior locations south of the building where anomalous results indicated the potential presence of buried metallic objects. Test pits excavated at these locations found miscellaneous metallic objects but no evidence of underground tanks. Survey results inside the building indicated numerous buried pipe runs. Most, but not all of the pipes were related to roof drainage (as determined by subsequent excavation and removal during the IRM program).
- *Surface soil sampling results (Table 1)*: Surface soil samples exhibited concentrations of several metals, including lead, mercury, arsenic and barium at levels in excess of NYSDEC RR Use and/or POGW SCOs. Subsequent sampling during the IRM identified more significant metals concentrations. PCBs were also present in the samples at low concentrations, below RR SCOs. The urban fill appeared to be generally less than 4 ft in thickness.
- *Subsurface soil sampling results (Table 1)*: Relatively low levels of petroleum-related compounds were detected in basement soil samples. The results were indicative of highly-weathered petroleum products. CVOC presence in RI soil samples for both interior and exterior areas was generally at low levels and not in excess of SCOs, except for one location, test boring B-108, where cis-1,2-DCE was reported above the POGW SCO. Subsequent sampling during IRM activities revealed more significant VOC presence.

Groundwater Findings:

- Groundwater levels were highest beneath the building and flow direction is radially away from this groundwater high.
- *Groundwater sampling results*: The sampling did not detect the presence of SVOCs, PCBs, or pesticides. Sodium and manganese were detected at levels in excess of NYSDEC

groundwater standards; however, these are naturally-occurring elements and are not indicative of a site contamination concern.

Samples from thirteen of the sixteen monitoring wells exceeded groundwater standards for one or more CVOC (primarily PCE and TCE). The greatest VOC concentrations on-Site were observed generally beneath the northern portion of the building; the highest overall concentrations were observed to the north of the property across Wiley Street. Figure 5A depicts the total CVOC concentrations detected in each well during the May 2013 RI sampling. Figure 5B shows CVOC concentrations observed in June 2014, after sodium lactate had been injected into groundwater to accelerate contaminant breakdown. This is discussed in greater detail below in Section 1.5.3.1.

Table 2 summarizes RI and IRM-related groundwater sampling results.

- The types and concentration distribution of CVOCs was indicative that reductive dechlorination of these contaminants is occurring. This naturally-occurring process results from biochemical activity by microorganisms that breaks down CVOCs into non-toxic by-products. Further, bench testing of soil and groundwater samples indicated that enhanced reductive dechlorination (ERD) would likely be an effective means of *in situ* remediation of groundwater, and sodium lactate was identified as the most effective amendment product to facilitate ERD.

Natural Resources:

- No significant natural resources, federal or state wetlands, or critical wildlife habitats of threatened or endangered species are known to be present within ½ mile of the property. In addition, the NYSDEC has indicated it has no records of rare or state-listed animals or plants, significant natural communities or other significant habitats on or in the immediate vicinity of the property, with the exception of the endangered peregrine falcon which was introduced to some of the taller buildings in the City of Rochester in 1994.

1.4 CONSTRUCTION MONITORING – ADDITIONAL IMPACTS

Site redevelopment construction began in April 2013 and was completed in November 2014. During excavation in both interior and exterior areas, petroleum-impacted and CVOC-impacted soils were encountered beyond those identified by the pre-RI and RI investigations. In addition, some of the urban fill soils were found to contain metals commonly found in these materials, such as lead and mercury. Some of these soils contained contaminant compounds at concentrations in excess of NYSDEC Part 375 RR SCOs.

In accordance with the NYSDEC-approved Interim Remedial Measures Work Plan (IRMWP; dated May 2013 and approved by letter dated August 30, 2013) the soils were removed, stockpiled on site, sampled and analyzed and ultimately disposed offsite as non-hazardous waste. Because of the presence of TCE and PCE (waste solvents) landfill disposal of these soils necessitated development of a Contained-In Demonstration Work Plan (CIDWP), which was submitted to the NYSDEC Central Office Division of Environmental Remediation in Albany on May 30, 2013, and approved by NYSDEC on June 3, 2013. Accordingly, waste soil sampling and disposal was performed in accordance with the CIDWP.

Removal and disposal of impacted soils is discussed in more detail in Section 1.5.1 below. Additional details on the excavation of impacted soils can be found in the Interim Remedial Measures Construction Completion Report (IRMCCR), dated December 2014.

1.5 SUMMARY OF REMEDIAL ACTIONS

The site was remediated in accordance with the NYSDEC-approved IRMWP dated May 24, 2013.

The following is a summary of the Remedial Actions performed at the site:

- Excavation of impacted soil and fill materials. The degree of contaminant impact to excavated soils varied. In many cases soil was excavated for the purpose of achieving site design grades, rather than the degree of contaminant presence. Accordingly, some excavated soils were not impacted at levels above restricted residential SCOs, but required landfill disposal because contaminants were present. Extensive sampling of interior and exterior soils was performed during the IRM program. Tables 3 through 5 summarize the results of IRM-related soil sampling.
- Construction and maintenance of a soil cover system to prevent human exposure to remaining contaminated soil/fill remaining at the site. The system consists of demarcation fabric and either 20 inches of crushed stone and asphalt for driveway and parking areas, or 2 feet of non-impacted onsite or imported soil and topsoil in landscaped areas. In the southern end of the Site a Geogrid material was placed at depth to improve the strength of the subgrade in a portion of the proposed paved parking area, due to the nature of fill materials there; this Geogrid material serves as the demarcation layer for that portion of the Site;
- Installation of a sub-slab depressurization system and a Liquid Boot vapor barrier to prevent human exposure to remaining soil vapor contamination;
- Implementation of an in-situ groundwater remediation ERD program and the installation of a piping system to convey electron donor material to groundwater in order to enhance natural bioremediation processes;
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site;
- Institutional controls as detailed in Section 2.3; and
- Development and implementation of this Site Management Plan for long-term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

Soil remedial activities were completed at the site in July 2014; in-situ groundwater remediation was ongoing in December 2014 when this SMP was finalized.

1.5.1 Removal of Contaminated Materials from the Site

1.5.1.1 Non-Hazardous Contaminated Soil

Soil was excavated from both interior and exterior areas. Excavation was performed in the basement[1] related to removal of existing roof drain lines and other abandoned piping, installation of new piping for utilities, the ERD system and a sub-slab depressurization system (SSDS), a new floor on the northern one-story portion of the building, as well as new stairwell footings. Where necessary, excavations were expanded to remove grossly-impacted soils. Exterior excavations also encountered VOC-impacted soils, primarily in close proximity to the south side of the building, where fill deposit thickness was greatest. Urban fill materials containing ash and cinder also covered much of the exterior area.

Figures 6A and 6B depict the general limits of interior soil excavations, which was accomplished in a step-wise fashion as various phases of demolition, construction and remediation were performed. A more detailed description of the interior excavations, observations and screening data obtained can be found in the IRMCCR.

Essentially all of the exterior areas of the site experienced excavation for one or more of the following reasons:

- Removal of existing asphalt;
- Driveways and paved parking areas;
- Installation of underground utilities and light poles;
- Construction of sidewalks, retaining walls and stairways;
- Installation of perimeter fencing piers; or
- Development of landscaped areas.

Stantec performed observation and field screening of all excavation activities. Impacted soils were stockpiled on site to facilitate sampling and analysis for offsite disposal approval. Details of soil disposal are discussed below in Section 1.5.1.3.

Non-impacted soils excavated from exterior areas were used as backfill where approved. These "clean" soils were stockpiled and demonstrated through laboratory analyses to be acceptable to NYSDEC for use as onsite backfill. Crushed stone from a NYSDEC-approved quarry source was used as backfill for utilities, parking areas and the building basement. In addition, approximately 100 cy of fill soil and 220 cy of topsoil were imported near the end of the project for final grading and landscaping. The fill soil was virgin sand from a NYSDOT-permitted quarry; this material and the topsoil were demonstrated to be free of contaminants through laboratory analysis of representative samples (Table 4A).

[1] Note that as part of the site redevelopment construction, the Basement level of the building is now referred to as the First Floor; these terms are used interchangeably.

1.5.1.2 Hazardous Materials – Elevator Pit

At the time construction started, a significant amount of debris, sludge and water existed in the pit at the bottom of the elevator shaft. The accumulated debris consisted of a mixture of wood, brick, metal and miscellaneous trash. The solid materials were removed from the pit with an excavator, and staged on poly sheeting. The material was then placed into lined roll-off containers and analyzed. The results indicated the material was non-hazardous. The waste was accepted for disposal at Waste Management's Mill Seat Landfill in Bergen, NY and was removed from the site on August 19, 2013.

To facilitate removal of the solid debris from the pit, water was periodically pumped from the pit to the Litchfield Street combined sewer under two Short-Term Discharge Permits obtained from the Monroe County Department of Environmental Services (MCDES). This is discussed further in Section 1.5.1.4 below.

A sample of the sludge that remained in the pit after debris removal showed elevated levels of PCBs, metals, and SVOCs; however, none of these analytes were present at levels that would render the sludge hazardous by characteristic. The liquid and sludge were removed using a vacuum truck; the material was transported to Green Environmental in Niagara Falls, New York for disposal. A total of 8.64 tons of liquid and sludge were removed and disposed as non-hazardous waste.

Subsequent to removing the sludge and liquid from the elevator pit and as further hand cleaning of the pit bottom was performed, two apparent sump structures (trenches) were found, one on each side of the pit. Each was approximately 1.5 ft wide and spanned the width of the pit. The trenches were about 2 ft deep with respect to the shaft floor and each had a pit approximately 3 ft deep at its west end. The sump structures were filled with a mixture of gravelly soils and additional sludge, which was excavated. During soil removal from the west end of the northern sump trench, solvent-like odors were noted, and the soil exhibited elevated PID readings. This material was staged separately and sampled. Disposal of this material is described in section 1.5.1.3 below.

The elevator pit concrete slab was ultimately removed, and sub-slab soil and bedrock was excavated to meet the required design grade. A total of approximately 5 cy of concrete, 16 cy of soil, and 10 cy of bedrock were removed from the pit and staged onsite for characterization for landfill disposal. These materials were disposed as non-hazardous waste at Waste Management's Mill Seat Landfill.

1.5.1.3 Contaminated Soil Disposal

Non-Hazardous Materials

The soils excavated and stockpiled from interior and exterior areas were sampled and analyzed in accordance with CIDWP and DER-10 guidance. For each round of stockpiles, representative samples were collected for waste characterization in accordance with the CIDWP and DER-10 guidance. Where necessary, additional analyses were performed to satisfy landfill requirements for waste profile development. Analytical data was submitted to NYSDEC. Transport and disposal of soils was not performed until written NYSDEC approval was received. Ultimately, all excavated soils deemed to be non-hazardous were transported and disposed of at Waste

Management's Mill Seat Landfill. Approximately 950 tons of soil from the basement and 7,575 tons of soil from exterior areas were removed and disposed.

Hazardous Materials

As discussed in Section 1.5.1.2 above, a limited amount of the materials removed from the elevator pit showed evidence of significant solvent impacts; this material was segregated and sampled/analyzed separately. Laboratory analysis indicated the material was hazardous by characteristic based on PCE concentration. Accordingly, these materials were transferred to three 55-gallon drums. The drums were transported to Cycle Chem in Lewisberry, Pennsylvania for treatment/disposal.

1.5.1.4 Wastewater

Throughout the process of removing soil from the basement, open excavations at times collected rain water and groundwater. Water also routinely collected in the elevator pit. These waters were periodically discharged to the municipal sanitary sewer in accordance with Short-Term Discharge Permits #ST-222 (October 25, 2012) and #ST-235 (May 28, 2013) obtained from MCDES.

At one point a limited amount of dark brown, viscous oil was observed floating on the water surface of the elevator pit, and during bedrock removal, reddish brown, thin oil seeped into the pit from the foundation wall-bedrock interface. The floating product was removed with absorbent pads, which were placed in two 55-gallon drums; disposal of these drums is pending as of August 1, 2014. Product-impacted groundwater was periodically pumped into 55-gallon drums. The water from the drums and the pit were transported with a vacuum truck to Industrial Oil, in Oriskany, New York for treatment.

1.5.2 Site-Related Treatment Systems

1.5.2.1 Sub-Slab Depressurization System and Vapor Barrier

A SSDS was installed beneath the entire first floor (see Figure 7A). The SSDS is not a remediation system but rather is designed to prevent vapor migration into the building by reducing the air pressure and evacuating potential VOC vapors from beneath the slab. Vapor is drawn from below the slab via a system of Geovent™ vapor collection structures and vented through pipes to the building's roof. Figure 7B provides system design details. A Liquid Boot vapor barrier was spray-applied beneath the building floor and at various locations around the building walls to minimize the potential for vapor intrusion into the building (Figure 8).

Details on the system components are discussed further in Section 2.2.1.2 below.

1.5.2.2 In-Situ Groundwater Remediation

In accordance with the IRMWP and a revised design drawing transmitted to NYSDEC on June 4, 2013, a system designed to accomplish in-situ groundwater remediation through ERD was installed. The system consists of horizontal piping installed beneath the building's first floor as well as selected groundwater monitoring wells to deliver, through low-pressure injection, a

solution of sodium lactate into groundwater in areas of the site (primarily beneath the building footprint) where CVOC contamination exists at levels above the NYSDEC's groundwater standards.

The piping system installation was completed in April 2014 and lactate injection was performed during the period April 22 through June 11, 2014. Three monthly rounds of post-injection groundwater sampling were completed to monitor the effectiveness of the remedial program. A quarterly sampling event was also performed in late October 2014; however these data are under review and have not been included herein. Data obtained as of the time of finalization of this SMP indicate that reductive dechlorination and breakdown of the primary COCs TCE and PCE is occurring. Additional monitoring is planned to assist in determining when contaminant levels are sufficiently low enough to facilitate reduction or cessation of the monitoring program. It is possible that additional lactate injection may be required to achieve this goal.

Further details on this remediation system are included in Section 2.2.1.3 below.

1.5.3 Remaining Contamination

1.5.3.1 Soils

Based on observations and sampling data from the RI and IRM programs, contamination remains in subsurface soils at the site.

Interior: Interior excavations performed for removal of existing utilities, foundations and ground water injection piping typically were extended laterally as needed to remove grossly-impacted soils. In many cases confirmatory samples were obtained to demonstrate that soils left in place were not impacted at levels in excess of NYSDEC's RR SCOs. Interior soil sample analytical results are included on Table 3.

The Atrium area (see Figure 6) was found to be impacted with weathered petroleum. Soil samples obtained in this area showed petroleum compounds were present but were at levels well below the RR SCOs. Tentatively identified compounds (TICs) were also detected and these data were indicative of highly-weathered petroleum products. In addition, nuisance odors were prevalent in soils excavated in the Atrium. These observations and data are consistent with the Passive Soil Gas survey results that indicated petroleum hydrocarbons in soil gas beneath the atrium. Because the Site development included installation of a SSDS for soil vapor mitigation, NYSDEC agreed that impacted soils in the Atrium could be left in place. Accordingly, the entire Atrium is considered to potentially have remaining contamination.

Although the majority of impacted soils were removed from the remainder of the basement during several phases of excavation, occasional indications of remaining contamination in the form of minor staining or low-level PID readings were observed. Accordingly, the potential for impacted soil to be encountered in other areas of the basement still exists.

Exterior: Virtually all of the exterior areas south of the building were excavated for driveway and parking lot construction, sidewalk and landscape area development or utility installation. In all of these areas, a demarcation layer (filter fabric or Geogrid) was placed at the base of the excavations prior to placing backfill soils or other materials (clean backfill soil/topsoil, concrete,

paving stones or asphalt). Figure 9 depicts the approximate limits of the demarcation layer, which is approximately 20 inches below paved areas and 2 feet below landscaped areas. As discussed above, due to the nature of fill materials in a portion of the southern extent of the Site, a Geogrid material was placed at the base of the excavation to improve the strength of the subgrade for the paved parking to be constructed there; this material serves as the demarcation layer for that portion of the Site. Figure 9 also provides sample locations for confirmatory samples that represent conditions beneath the demarcation layer. See Tables 4 and 5 for exterior soil sampling results. Table 4A summarizes analytical results for imported fill soil and topsoil.

1.5.3.2 Groundwater

At the time of initial preparation of this SMP, CVOC contamination remained in groundwater. As discussed above, an ERD program is underway, and, as of August 1, 2014, two rounds of sampling data have been received since injection of the sodium lactate was completed. The latest results (the sampling event completed in July 2014) indicate dechlorination is occurring, and the two monitoring wells originally having the highest CVOC levels demonstrate significant downward trends in CVOC levels. Well RW-6, which exhibited 3,380 µg/L total CVOCs in March 2014, had dropped to 129 µg/L (a 96% reduction). Monitoring well RW-2 had dropped from 564 µg/L total CVOCs at the time of the RI sampling (May 2013) to 69 µg/L (an 88% reduction). Other less-impacted wells have also shown significant decreases. Although certain monitoring wells have shown increases in CVOC levels, in all cases this is due to the increase in concentrations of the "daughter" products cis-1,2-DCE , trans-1,2-DCE and vinyl chloride, which are created during the process of reductive dechlorination. These results demonstrate a normal progression of dechlorination reactions, and these source and breakdown product concentrations are expected to ultimately reduce further with time.

2.0 Engineering and Institutional Control Plan

2.1 INTRODUCTION

2.1.1 General

Since remaining contaminated soil, groundwater, and soil vapor exists beneath the site, Engineering Controls and Institutional Controls (EC/ICs) are required to protect human health and the environment. This Engineering and Institutional Control Plan describes the procedures for the implementation and management of all EC/ICs at the site. The EC/IC Plan is one component of the SMP and is subject to revision by NYSDEC.

2.1.2 Purpose

This plan provides:

- A description of all EC/ICs on the site;
- The basic implementation and intended role of each EC/IC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the features to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of EC/ICs, such as the implementation of the Excavation Work Plan for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the site; and
- Any other provisions necessary to identify or establish methods for implementing the EC/ICs required by the site remedy, as determined by the NYSDEC.

2.2 ENGINEERING CONTROLS

2.2.1 Engineering Control Systems

2.2.1.1 Soil Cover System

Exposure to remaining contamination in soil/fill at the site is prevented by a non-impacted soil cover system placed across the site. The cover system consists of a demarcation layer (filter fabric or Geogrid) placed on top of remaining impacted soil, overlain by one of the following combinations of materials as a cap:

- *Paved areas*: a minimum of 16 inches of crushed stone, capped by approximately 4 inches of asphalt pavement;

- *Landscaped areas*: A total of two feet of non-impacted onsite soil or imported, granular fill soil, and topsoil. Some areas also include sidewalks constructed of concrete or paver stones; or

- *Concrete floor slab*: the entire first floor of the building contains a concrete floor slab. In addition a Liquid Boot membrane vapor barrier was installed beneath the floor slab; details are provided below in Section 2.2.1.2.

Figure 9 depicts the approximate exterior locations where the demarcation layer was placed; this layer covers all of the redeveloped portion of the property south of the building. Note that soil remaining below the demarcation layer does not necessarily contain contaminants at concentrations in excess of RR SCOs and in some locations there may be no appreciable impacts to soil left in place. Figure 9 also indicates the approximate areas where impacted soil is suspected to remain in exterior areas.

The Excavation Work Plan that appears in Appendix B outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and potential underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in Section 4 of this SMP.

2.2.1.2 Sub-Slab Depressurization System and Vapor Barrier

A SSDS was installed beneath the building's first floor (formerly the basement) to serve as an EC to mitigate potential vapor intrusion into the structure (see Figures 7A and 7B). The system consists of three fans that draw air from a continuously-connected series of Geovent™ panels installed within a layer of crushed stone beneath a Liquid Boot vapor barrier and the concrete floor slab.

The network of Geovent® vapor conduits was placed 1 to 2 inches below the base of the first floor slab in the aggregate sub-base material. An overlying horizontal vapor-retarding membrane consists of three layers:

1) Typar® base fabric (Bentofix® was used in the elevator shaft to add a water retarding component) was placed directly over the aggregate sub-base material;
2) Liquid Boot® with a minimum thickness of 60 mil was applied on top of the base fabric and directly to vertical exterior and interior wall sections; and
3) UltraShield® was installed as the top layer of the vapor retarding membrane; this layer adheres to the bottom side of the overlying concrete slab.

A Liquid Boot vapor barrier was also spray-applied to foundation walls of the building and beneath the floor slab to seal potential vapor pathways. The membrane was installed variably along the exterior or interior of the walls as shown on Figure 8.

The Geovent® vapor conduits are configured into three distinct zones, each of which is connected to a Fantech Model HP220 high-suction fan that evacuates air from that zone. Continuous operation of the fans will depressurize the sub-slab space between the vapor barrier/slab and the underlying soils or bedrock. The fans are roof-mounted and each is connected to its respective

Geovent® zone by a 4-inch Schedule 40 PVC riser running from below the first floor slab to the roof. Each fan's exhausts contains a rain/vermin cap.

Six permanent vacuum monitoring ports (VMPs) were also installed throughout the building first floor to monitor sub-slab vacuum. The locations of the VMPs are shown on Figure 7A, and details on their construction are shown on Figure 7B. These VMPs can also be utilized in the future as sub-slab vapor sampling locations, if needed.

To avoid accidental damage to the SSDS that could disturb its function, labels containing the following message: "THIS IS A COMPONENT OF A VAPOR INTRUSION MITIGATION SYSTEM. DO NOT ALTER OR DISCONNECT" were placed on accessible portions of the riser pipes, on the fans on the roof, on the 5th floor panel box, and within the VMP floor boxes on the first floor (basement).

Procedures for monitoring the system performance and effectiveness are included in the Monitoring Plan (Section 3 of this SMP). The Monitoring Plan also addresses severe condition inspections in the event that a severe condition, which may affect controls at the site, occurs.

The SSDS operation will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSDS is no longer required, a proposal to discontinue the SSDS will be submitted by the property owner to the NYSDEC and NYSDOH.

2.2.1.3 Groundwater Remediation System

The groundwater remediation system includes a total of 338 lineal feet of slotted horizontal piping installed beneath the basement floor slab. The piping facilitates injection of an electron donor solution (sodium lactate) for groundwater remediation. A total of nine lengths of 2-in diameter, schedule 40 PVC pipe were installed in three trenches at the locations shown on the as-built piping diagram on Figure 10. Each of the three piping runs (east, central and west) contains three pipe segments, with staggered slotted sections placed to provide for laterally-continuous injection of solution along each trench alignment.

The pipe trenches were excavated along their entire length to the top of bedrock. Where necessary, bedrock was removed to accommodate pipe installation. The piping was installed with an approximate 0.5% slope to promote drainage of the fluids to and out of the slotted sections. The piping was installed on a bedding of, and covered with crushed stone. Bentonite collars were installed around the pipes and fully across the trench width and depth at the locations shown on Figure 10 to minimize the potential for fluid migration along the stone bedding material. Each of the nine sections of pipe was installed through the south building foundation wall and finished with an exterior riser and fitting to allow later access for fluid injection equipment if necessary. The pipes were each terminated in a roadbox installed flush with the exterior finished grade.

In those excavations where subsequently-installed new utility piping was located beneath the remediation piping, the new utility trenches were excavated fully to bedrock and backfilled with crushed stone to provide a hydraulic pathway that would allow injected remediation solution to infiltrate into bedrock.

Lactate injection was performed in the above-noted trenches as previously discussed, and in monitoring wells RW-1, RW-2, RW-3, RW-4, RW-6, B102-MW, B-106, MW and B108-MW, which are situated both beneath the building and immediately south of the building. Well Construction Reports for all monitoring wells associated with the site are included in Appendix C.

2.2.1.4 Elevator Pit Sump

A sump was constructed in the bottom of the elevator pit for the purpose of collection of potential water that might accumulate in the event of a fire in the building. Because the pit is constructed below the top of bedrock and below the typical groundwater levels, it has the potential to collect VOC-impacted groundwater that might enter the pit. Accordingly, design elements were incorporated into the sump and pump system to account for the potential handling and discharge of impacted groundwater and the possible VOC-vapors that might be generated by the water. Figures 11A through 11D provide design details for the sump and fluid/vapor piping.

The base of the pit is constructed of concrete. The sump extends approximately 16 to 18 inches below the bottom of the pit. Shallow trenches were cut into the slab at the base of the pit to direct water to the sump. The sump has an air-tight cover to prevent escape of potential VOC-impacted vapors into the elevator shaft.

The sump contains a submersible pump which has a 2-in diameter PVC discharge piping that is connected to the building's sanitary sewer discharge system. A totalizing flow meter is included in the piping system to monitor discharge volumes. Future sump discharge will be done in accordance with facility's Sewer Use Permit (District #8575, permit #996; see copy, Appendix D) obtained from MCDES. Sampling frequency and other monitoring requirements are discussed below in Section 4.3.2.

2.2.2 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

2.2.2.1 Soil Cover System

The soil cover system discussed above in Section 2.2.1.1 is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

2.2.2.2 In-Situ Groundwater Remediation

Groundwater monitoring activities to assess natural attenuation is proposed to continue on a quarterly basis for one year post-injection, and potentially semi-annually or annually after that point, as needed with NYSDEC approval (See Monitoring Plan, Section 3 below). Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. The goals of the groundwater remediation system are to reduce on-site contaminant levels via groundwater to an

asymptotic state and to mitigate off-site migration of contaminants via groundwater. If contaminant levels leaving the site do not decrease or remain at levels indicative of an on-site source, then additional injection of lactate or other treatment(s) may be required.

2.3 INSTITUTIONAL CONTROLS

A series of Institutional Controls is required by the Decision Document to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted residential use only. Adherence to these Institutional Controls on the site is required by the Environmental Easement (Appendix A) and will be implemented under this Site Management Plan. These Institutional Controls are as follows:

(1) Compliance with the Environmental Easement and this SMP by the Grantor and the Grantor's successors and assigns;

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

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

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

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

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

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

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

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

Institutional Controls identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The site has a series of Institutional Controls in the form of site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property uses are limited to *Restricted Residential* as described in 6 NYCRR Part 375-1.8(g)(2)(ii), *Commercial* as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and *Industrial* as described in 6 NYCRR Part 375-1.8(g)(2)(iv) provided that the long-term Engineering and Institutional Controls included in this SMP are employed;

- The property may not be used for a higher level of use, such as *Unrestricted* or *Residential*, without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

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

- Other than sampling for monitoring purposes, the use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Monroe County Department of Health to render it safe for use for its intended, non-potable industrial purpose, and the user must first notify and obtain written approval to do so from the NYSDEC. Groundwater is prohibited from use as a potable water supply within the City of Rochester limits;

- The potential for vapor intrusion must be evaluated for any buildings developed on the site, and any potential impacts that are identified must be monitored or mitigated;

- Vegetable gardens and farming on the property are prohibited;

- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or at an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2.3.1 Excavation Work Plan

The site has been remediated to achieve conditions protective of human health and the environment for restricted residential use. The potential exposure of concern for excavations is exposure to residual VOCs or other contaminants if the interior floor slab is cut through or demolished, or exterior excavations below the demarcation layer are required. Any future intrusive work that will penetrate the Building's floor slab, penetrate the Site cover or cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system will be performed in compliance with the Excavation Work Plan (EWP) that is attached as Appendix B to this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) prepared for the site. A sample HASP and CAMP are attached as Appendices E and F, respectively to this SMP that are in general current compliance

with DER-10, and 29 CFR 1910, 29 CFR 1926, and other applicable Federal, State and local regulations. Based on future changes to State and federal health and safety requirements, and specific methods employed by future contractors, the HASP and CAMP will be updated and re-submitted with the notification provided in Section A-1 of the EWP. Any intrusive construction work will be performed in compliance with the EWP, HASP and CAMP, and will be included in the periodic inspection and certification reports submitted under the Site Management Reporting Plan (See Section 5).

The site owner and associated parties preparing the remedial documents submitted to the State, and parties performing this work, are completely responsible for the safe performance of all intrusive work, the structural integrity of excavations, proper disposal of excavation de-water, control of runoff from open excavations into remaining contamination, and for structures that may be affected by excavations (such as building foundations and bridge footings). The site owner will ensure that site development activities will not interfere with, or otherwise impair or compromise, the engineering controls described in this SMP.

2.3.2 Soil Vapor Intrusion Evaluation

Prior to the construction of any enclosed, occupied structures that replace all or a portion of the Building or any enclosed structures immediately adjoining the Building, an SVI evaluation will be performed to determine whether any mitigation measures are necessary to eliminate potential exposure to vapors in the proposed structure. Alternatively, an SVI mitigation system may be installed as an element of the building foundation without first conducting an investigation. This mitigation system will include a vapor barrier and passive sub-slab depressurization system that is capable of being converted to an active system.

Prior to conducting an SVI investigation or installing a mitigation system, a work plan will be developed and submitted to the NYSDEC and NYSDOH for approval. This work plan will be developed in accordance with the most recent NYSDOH "Guidance for Evaluating Vapor Intrusion in the State of New York". Measures to be employed to mitigate potential vapor intrusion will be evaluated, selected, designed, installed, and maintained based on the SVI evaluation, the NYSDOH guidance, and construction details of the proposed structure.

If an SVI investigation is conducted, preliminary (unvalidated) SVI sampling data will be forwarded to the NYSDEC and NYSDOH for initial review and interpretation. Upon validation, the final data will be transmitted to the agencies, along with a recommendation for follow-up action, such as mitigation. If any indoor air test results exceed NYSDOH guidelines, relevant NYSDOH fact sheets will be provided to all tenants and occupants of the property within 15 days of receipt of validated data.

SVI sampling results, evaluations, and follow-up actions as required will also be summarized in the next Periodic Review Report.

2.4 INSPECTIONS AND NOTIFICATIONS

2.4.1 Inspections

Inspections of all remedial components installed at the site will be conducted at the frequency specified in the SMP Monitoring Plan schedule (see Section 3 below). A comprehensive site-wide inspection will be conducted annually, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether Engineering Controls continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria;
- Sampling and analysis of appropriate media during monitoring events;
- If site records are complete and up to date; and
- Changes, or needed changes, to the remedial or monitoring system.

Inspections will be conducted in accordance with the procedures set forth in the Monitoring Plan of this SMP (Section 3). The reporting requirements are outlined in the Periodic Review Reporting section of this plan (Section 5).

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the EC/ICs implemented at the site by a qualified environmental professional as determined by NYSDEC.

2.4.2 Notifications

Notifications will be submitted by the property owner to the NYSDEC as needed for the following reasons:

- 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6NYCRR Part 375, and/or Environmental Conservation Law;
- 7-day advance notice of any proposed ground-intrusive activities pursuant to the Excavation Work Plan.
- Notice within 48-hours of any damage or defect to the foundation, structures or engineering control that reduces or has the potential to reduce the effectiveness of an Engineering Control and likewise any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of Engineering Controls in place at the site, with written confirmation within 7 days that includes a

summary of actions taken, or to be taken, and the potential impact to the environment and the public.

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

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

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser has been provided with a copy of the BCA, and all approved work plans and reports, including this SMP.
- Within 15 days after the transfer of all or part of the site, the new owner's name, contact representative, and contact information will be confirmed in writing.

2.5 CONTINGENCY PLAN

Emergencies may include injury to personnel, fire or explosion, environmental release, or serious weather conditions.

2.5.1 Emergency Telephone Numbers

In the event of any environmentally-related situation or unplanned occurrence requiring assistance, the Owner or Owner's representative(s) should contact the appropriate party from the contact list below. For emergencies, appropriate emergency response personnel should be contacted. Prompt contact should also be made to Stantec Consulting Services. These emergency contact lists must be maintained in an easily accessible location at the site.

Table 6: Emergency Contact Numbers

Medical, Fire, and Police:	911
One Call Center:	(800) 272-4480 (3-day notice required for utility mark-out)
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802
NYSDEC Spills Hotline	(800) 457-7362

Table 7: Other Contact Numbers

NYSDEC Project Manager	Todd Caffoe, P.E. (585) 226-2466
Stantec Contact	Mike Storonsky (585) 413-5266
Site Contact	Mark Fuller (585) 426-8000
MCDOH Contact	John Frazer (585) 753-5564
NYSDOH Contact	Stephanie Selmer (518) 402-7860
DigSafely NY (underground utility stakeout)	(800) 962-7962 or 811

* Note: Contact numbers subject to change and should be updated as necessary

2.5.2 Map and Directions to Nearest Health Facility

Site Location: 33 Litchfield Street, Rochester, NY

Nearest Hospital Name: Strong Memorial Hospital

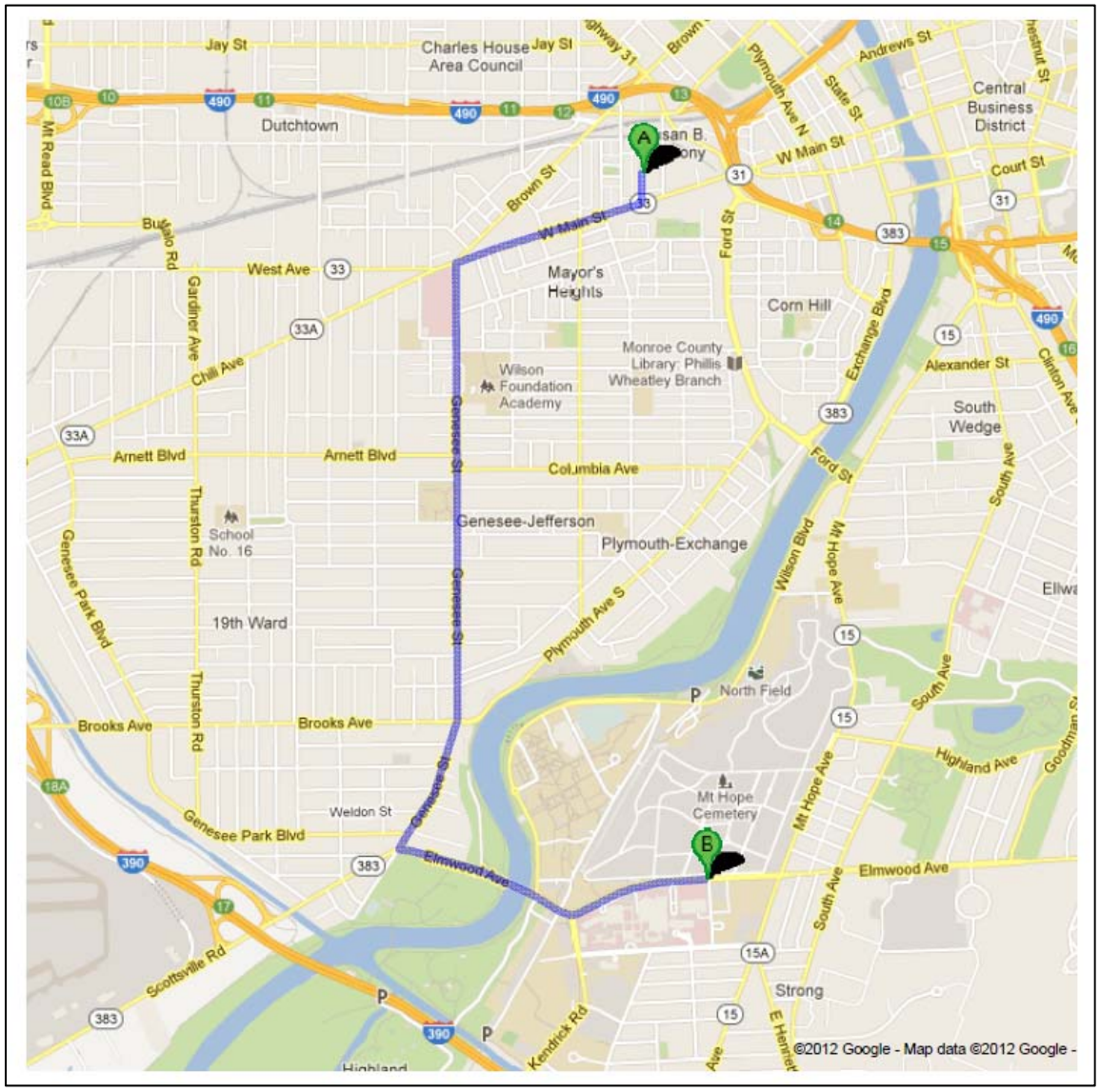
Hospital Location: 601 Elmwood Avenue, Rochester, NY

Hospital Telephone: (585) 275-2100

(see map, Figure 12 next page)

Directions to the Hospital:

1. Head South on Litchfield Street towards Berdell Alley
2. Turn right onto W. Main Street
3. Turn left onto Genesee Street
4. Turn left onto Elmwood Avenue (destination will be on right)



Total Distance: 3.3 miles
Total Estimated Time: 9 minutes

Figure 12: Map of Route from the Site to the Hospital

2.5.3 Response Procedures

As appropriate, the fire department and other emergency response groups will be notified immediately by telephone of the emergency. The emergency telephone number list is found at the beginning of this Contingency Plan (Table 6). The list will also be posted prominently at the site and made readily available to all personnel at all times.

2.5.3.1 Procedures for Spills

New York State regulations and guidelines will be followed in the event that a spill occurs. All petroleum spills that occur within New York State (NYS) must be reported to the NYS Spill Hotline (1-800-457-7362) within 2 hours of discovery, except spills which meet all of the following criteria:

1. The quantity is known to be less than 5 gallons; and
2. The spill is contained and under the control of the spiller; and
3. The spill has not and will not reach the State's water or any land; and
4. The spill is cleaned up within 2 hours of discovery.

A spill is considered to have not impacted land if it occurs on a paved surface such as asphalt or concrete. A spill in a dirt or gravel parking lot is considered to have impacted land and is reportable.

2.5.3.2 Evacuation Plans

In the event that a Site evacuation is needed, the suggested off-site gathering point is the parking lot immediately south of the site at 7-9 Litchfield Street.

2.5.3.3 Amendments to the Contingency Plan

Amendments and updates to the contingency plan will be made at the time that new or updated information is obtained.

3.0 Site Monitoring Plan

3.1 INTRODUCTION

3.1.1 General

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the site, the soil cover system, and all affected site media identified below. Monitoring of other Engineering Controls is described in Chapter 4, Operation, Monitoring and Maintenance Plan. This Monitoring Plan may only be revised with the approval of NYSDEC.

3.1.2 Purpose and Schedule

This Monitoring Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance, particularly ambient groundwater standards and Part 375 SCOs for soil;
- Assessing achievement of the remedial performance criteria;
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment; and
- Preparing the necessary reports for the various monitoring activities.

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

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems (e.g., well logs);
- Analytical sampling program requirements;
- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Quarterly monitoring of the performance of the groundwater remedy and overall reduction in contamination on-site and off-site will be conducted for the first year post-remediation. The frequency thereafter will be dependent on groundwater contamination levels and be subject to NYSDEC approval. Trends in contaminant levels in air, soil, and/or groundwater in the affected areas, will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. Monitoring programs are summarized in Table 8 and outlined in detail in Sections 3.2 and 3.3 below.

Table 8: Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater Remediation (ERD)	Quarterly	Groundwater	Part 375 and CP-51 VOCs, plus TICs, by EPA Method 8260
SSDS Performance Monitoring	Annually	Sub-slab vacuum levels, fan operation	Manometer readings and differential pressure measurements

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH.

3.2 COVER SYSTEM MONITORING

The existing floor slab forms the interior cover which mitigates direct contact and contributes to vapor intrusion prevention. The clean soil and asphalt/concrete covers on the exterior of the Site mitigate direct contact in these areas. The site covers will be maintained as a component of any future site development. Annually, the covers will be inspected and cover integrity will be documented. Deficiencies will be noted and corrective actions recommended, if appropriate. Inspections, deficiencies, and corrective actions completed will be documented in the Periodic Review Report.

The inspection of the surface cover system will include inspection of the hard surface cover for:

- Evidence of deep cracks, potholes, cuts, depressions, deterioration of joint seals and penetration seals and identification of areas of excessive settlement relative to the surrounding areas, including listening for audible indications of cracks in the cover system above the SSDS; and

- Modifications to the surface cover system with respect to repairs or changes in cover system construction.

3.3 MEDIA MONITORING PROGRAM

Media monitoring for this site includes groundwater quality and indoor air monitoring, until such time that NYSDEC approves their discontinuation.

3.3.1 Groundwater Monitoring

Groundwater monitoring will be performed on a quarterly basis to assess the performance of the remedy. The network of monitoring wells has been installed to monitor up-gradient, source area, and down-gradient groundwater conditions at the Site; well locations are shown in Figures 5A and 5B. Monitoring well construction logs are included in Appendix C.

The goals of the groundwater remediation system are to reduce on-site contaminant levels via groundwater to an asymptotic state and to mitigate off-site migration of contaminants via groundwater. If contaminant levels leaving the site do not decrease or remain at levels indicative of an on-site source, then additional injection of lactate or other treatment(s) may be required.

The monitoring will be as follows until an alternate schedule is approved by NYSDEC:

Table 9: Monitoring Well Sampling Schedule

Well/Location	Frequency	Analysis
RW-1	Quarterly	- Part 375/CP-51 Volatile Organic Compounds, plus TICs, (Method 8260C) - Total Organic Carbon (Method 415.1) - Sodium (Method 6010) - Iron (Fe^{3+}), Manganese (Mn^{2+}) and Arsenic (As) (Method 6010/7000)
RW-2		
RW-3		
RW-4		
RW-5		
RW-6		
RW-7		
RW-9		
RW-12		
B102-MW		
B106-MW		
B108-MW		

Groundwater elevations will be also collected from all existing wells on at least an annual basis and a groundwater contour map will be included in the Periodic Review Report. The wells will be inspected at least annually and repairs will be performed as per Section 3.3.1.2.

It is understood a request for an alternate schedule can be submitted to NYSDEC, including without limitation for a reduction in sampling locations and/or frequency if the contaminant concentrations remain constant, or improve from historic levels. The SMP will be modified to reflect changes in sampling and monitoring plans approved by NYSDEC. Deliverables for the groundwater monitoring program are specified below.

3.3.1.1 Sampling Protocol

All monitoring well sampling activities will be recorded in a field book and a groundwater-sampling log presented in Appendix G. Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network.

All monitoring well sampling activities will be performed by competent personnel using the NYSDEC-accepted groundwater sampling methods utilized in the RI, where possible, and appropriate personal protective equipment under an approved HASP. Purging of each well will be performed with low-flow methods an appropriate pump and dedicated polyethylene tubing. Alternately, if low-flow methods are not possible due to lack of sufficient well recharge, a volume purge will be performed with disposable polyethylene bailers or a pump and dedicated polyethylene tubing. Purging of each well by low-flow methods or for at least three consecutive well volumes or until dry, will allow representative formation water to enter the well prior to sample collection. Water quality field parameters (turbidity, pH, specific conductance, temperature, and oxidation-reduction potential) will be recorded during purging and sampling.

Following completion of well purging, groundwater samples will be collected using dedicated polyethylene tubing. The groundwater sample will be collected from the middle portion of the water column within the screened interval, with the depth of the pump noted on the sample collection form. Samples will be shipped to an Environmental Laboratory Approval Program (ELAP) certified laboratory under Chain of Custody to be analyzed for Part 375/CP-51 VOCs, plus TICs using USEPA Method 8260C. Any future modifications to the number of wells, frequency of sampling, or analytical methodology will be subject to NYSDEC approval.

Monitoring well purge water will be containerized on site. Containers will be clearly labeled according to sampling location and date generated. Analytical data will be submitted to MCDES for review with a request to discharge the water to the sanitary sewer under the discharge permit issued to the Site's owner. If the results indicate contaminant levels exceed the permit discharge level requirements, arrangements will be made for offsite disposal of the water in accordance with applicable regulations.

3.3.1.2 Monitoring Well Repairs, Replacement And Decommissioning

The condition of the monitoring wells that are part of the quarterly monitoring network will be inspected during each sampling event. The condition of the other wells will be inspected at least annually at the time of groundwater elevation measurement. Alternatively, the annual inspections may also be conducted as part of the Site Wide Inspection (see Section 3.4).

If biofouling or silt accumulation occurs in the on-site and/or off-site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced (as per the Monitoring Plan), if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance. The decommissioning of site

monitoring wells and/or historical site monitoring wells may occur based on approved changes to the monitoring plan, future modification to the property, or other changes to the environmental program.

Minor well repairs (e.g. replacing a surface cover bolt or J-plug) will be completed as soon as possible and do not require advance notice to NYSDEC. Minor repairs will be documented and included in the Periodic Review Report. However, the NYSDEC will be notified prior to any repair or decommissioning of monitoring wells for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent periodic report. Well decommissioning without replacement will be done only with the prior approval of NYSDEC. Well abandonment will be performed in accordance with NYSDEC's "Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be reinstalled in the nearest available location, unless otherwise approved by the NYSDEC.

Upon termination of the site groundwater monitoring program and with NYSDEC approval, all site-related monitoring wells will be properly decommissioned and other miscellaneous site restoration activities (such as concrete patching) will be performed.

3.3.2 Air Monitoring

In addition to the routine monitoring discussed in Section 4.3.2.1 below, performance monitoring of the SSDS fans will be implemented on an annual basis until an alternate schedule is approved by NYSDEC. It is understood a request can be submitted to NYSDEC for an alternate schedule to consider a reduction in performance monitoring should conditions remain similar to current conditions.

During the annual monitoring, system communication will be monitored via differential pressure measurements at each of the vapor monitoring points shown on Figure 7A . Indoor air, sub-slab soil vapor, and outdoor air samples may also be collected upon the NYSDEC's request. Air sampling, if required, will be done in accordance with the NYSDOH Guidance for Evaluating Vapor Intrusion in the State of New York. Samples will be submitted to an ELAP certified laboratory under Chain of Custody for analysis using method TO-15. Additional details regarding the monitoring program are provided below in Section 4.3.2 .

3.4 SITE-WIDE INSPECTIONS

Site-wide inspections will be performed on a regular schedule at a minimum of once a year. Site-wide inspections will also be performed after all severe weather conditions that may affect Engineering Controls or monitoring devices. During these inspections, an inspection form will be completed (see Appendix I). The form will compile sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;

- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;
- Compliance with permits and schedules included in the Operation and Maintenance Plan; and
- Confirm that site records are up to date.

3.5 MONITORING QUALITY ASSURANCE/QUALITY CONTROL

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the site (Appendix H). Main Components of the QAPP include:

- QA/QC Objectives for Data Measurement;
- Sampling Program:
  - Sample containers will be properly washed, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be tagged as such.
  - Sample holding times will be in accordance with the NYSDEC ASP requirements.
  - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.
- Sample Tracking and Custody;
- Calibration Procedures:
  - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
  - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures;
- Preparation of a Data Usability Summary Report (DUSR), which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method;
- Internal QC and Checks;

- QA Performance and System Audits;
- Preventative Maintenance Procedures and Schedules; and
- Corrective Action Measures.

3.6 MONITORING REPORTING REQUIREMENTS

Forms and any other information generated during regular monitoring events and inspections will be kept on file on-site. All forms, and other relevant reporting formats used during the monitoring/inspection events, will be (1) subject to approval by NYSDEC and (2) submitted at the time of the Periodic Review Report, as specified in the Reporting Plan of this SMP.

All monitoring results will be reported to NYSDEC on a periodic basis in the Periodic Review Report. A letter report will also be prepared (if required by NYSDEC), subsequent to each sampling event. The report (or letter) will include, at a minimum:

- Date of event;
- Personnel conducting sampling;
- Description of the activities performed;
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and
- A determination as to whether groundwater conditions have changed since the last reporting event.

Data will be reported in hard copy or digital format as determined by NYSDEC. A summary of the monitoring program deliverables are summarized in Table 10 below.

Table 10: Schedule of Monitoring/Inspection Reports

Task	Reporting Frequency*
Annual Inspection/Periodic Review Report	Annually
SSDS Monitoring	Annually
Groundwater Monitoring	Quarterly

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC

4.0 OPERATION AND MAINTENANCE PLAN

4.1 INTRODUCTION

This Operation and Maintenance (O&M) Plan describes the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the site. This O&M Plan:

- Includes the steps necessary to allow individuals unfamiliar with the site to operate and maintain the SSDS;
- Includes an operation and maintenance contingency plan; and,
- Will be updated periodically to reflect changes in site conditions or the manner in which the SSDS is operated and maintained.

Information on non-mechanical Engineering Controls (i.e. Site cover system) is provided in Section 3 - Engineering and Institutional Control Plan. A copy of this O&M Plan, along with the complete SMP, will be kept at the site. This O&M Plan is not to be used as a stand-alone document, but as a component document of the SMP.

4.2 ENGINEERING CONTROL SYSTEM OPERATION AND MAINTENANCE

- Sub-Slab Depressurization System
- Elevator Pit Sump

4.2.1 Sub-Slab Depressurization System

4.2.1.1 Scope

Details of the SSDS system construction are described above in Sections 1.5.2.1 and 2.2.1.2. The system is anticipated to begin operation prior to the completion of building construction in late fall of 2014. This section describes procedures for O&M of the SSDS.

4.2.1.2 System Start-Up and Testing

To turn the system on:

1. Ensure that the appropriate breakers in the fifth floor utility room are ON;
2. Put the fan switches in the ON position. These are located on the roof on the side of each fan; and
3. Confirm proper SSDS operation by undertaking the appropriate monitoring tasks outlined in Section 4.3.

To turn the system off:

1. Put the fan switches in the OFF position. These are located on the roof, on the side of each fan; and
2. Put the appropriate breakers in the OFF position.

The annual system testing described in Section 4.3 will be conducted if, in the course of the SSDS system lifetime, significant changes are made to the system, and the system must be restarted.

4.2.1.3 System Operation: Routine Operation Procedures

Other than routine monitoring (see Section 4.3), the SSDS operates continuously and does not require manual system operation.

If the vacuum readings from the 5th-floor instrument panel fall below 0.5 inches of water column (WC) , or if vacuum at one or more of the VMPs[2] is less than 0.002-in WC, the SSDS may need to be adjusted or optimized due to changing subsurface conditions or other factors. System optimization may require replacement of one or more fans.

The operating personnel will consult the owner and its engineer (Stantec) prior to making any equipment changes.

In the event of an electrical failure, the system is designed to restart when power is restored. If the system fails to restart after electrical failure, the site owner shall promptly contact the system installers.

4.2.1.4 System Operation: Non-Routine Equipment Maintenance

Non-routine maintenance will be conducted by the site owner to correct the condition should it appear that an SSDS has reduced its effectiveness due to malfunction, renovation, or other unplanned circumstance. Examples of such circumstances include the following:

- The building's tenants or the owner's staff report that a warning device indicates that the SSDS is not operating properly;
- An SSDS is accidentally damaged; or
- The building undergoes renovations that potentially reduce the effectiveness of the SSDS.

All operational problems will be noted in the subsequent Periodic Review Report. If the effectiveness of the SSDS cannot be restored within two weeks from when the issue was identified, the site owner will notify the NYSDEC project manager and provide a schedule for resolving the issue. Upon NYSDEC request, a formal Corrective Measures Plan will be prepared for NYSDEC approval.

[2] Vacuum is measured as the differential pressure between the sub-slab and indoor/ambient air.

4.3 ENGINEERING CONTROL SYSTEM PERFORMANCE MONITORING

4.3.1 Sub-Slab Depressurization System Monitoring

4.3.1.1 SSDS System

An SSDS has been installed to mitigate possible soil vapor intrusion into the occupied building. Drawings of the SSDS are included in Figures 7A and 7B of this SMP. Normal operation of the SSDS is described above in Section 4.2.1.4. The SSDS monitoring program addresses the fans, pressure gauges, manometers, exhaust stacks, and the permanent vacuum monitoring points, as listed below.

SSDS Components

Number of Fans/Fan Manometers	Number of Exhaust Stacks	Number of Vacuum Monitoring Points
3	3	6

A summary of the SSDS monitoring program follows.

4.3.1.2 Monitoring Schedule

Inspection frequency is subject to change with the approval of the NYSDEC. Unscheduled inspections and/or sampling may take place when a suspected failure of the SSDS has been reported or an emergency occurs that is deemed likely to affect the operation of the system. Monitoring deliverables for the SSDS are specified later in this SMP. Monthly and Annual Monitoring forms are included in Appendix I.

Monthly: Personnel from or representing CFSNA will perform monthly routine maintenance and monitoring, including:

- Verifying normal system operating conditions (power on and operating)
- Observations of system abnormalities: visual, odor, auditory, etc; and
- Recording vacuum levels at fan manometers.

Data will be recorded on the Monthly Monitoring Form provided in Appendix I.

If any abnormalities are observed, such as an unlit indicator light, a manometer which is indicating no vacuum, or an unusual noise, CFSNA's representative shall notify CFSNA's engineer (Stantec) immediately to initiate necessary corrective measures.

Annually: Until an alternate schedule is approved by NYSDEC, the site owner's environmental engineers (Stantec) will perform Annual Monitoring of sub-slab system communication that will include differential pressure measurements at each VMP. It is understood a request can be submitted to NYSDEC to consider an alternate schedule, including a reduction in system

communication monitoring, if conditions remain similar to current conditions. The annual monitoring event will be completed early in the heating season (November 15 - December 15). This annual monitoring will include:

- Visual inspection of the equipment and piping;
- Inspection of exhaust points to verify that no air intakes have been located nearby;
- Identification and subsequent repair of any leaks;
- Audible operational status check of vent fans;
- Documentation of manometer vacuum readings for each fan;
- VOC level readings at the exhaust stacks;
- Measurement of differential pressure between the indoor air and the sub-slab to ensure a lower pressure is being maintained in the sub-slab relative to indoor ambient; this will be accomplished by comparing pressure readings on fan manometers to pressure gauge readings at the six VMPs (see Figure 7A).

If any abnormalities are observed, the site owner shall promptly initiate necessary corrective measures. Monitoring may also include indoor air, sub-slab soil vapor, and outdoor air samples upon the NYSDEC's request if there has been a material change of conditions at the Site. Data will be recorded on the Monitoring Form provided in Appendix I. Data collected by the monitoring program and any operational or maintenance issues will be reported and discussed in the Periodic Review Report.

Inspection frequency is subject to change with the approval of the NYSDEC. Unscheduled inspections and/or sampling may take place when a suspected failure of the SSDS has been reported or an emergency occurs that is deemed likely to affect the operation of the system. Monitoring deliverables for the SSDS are specified later in this Plan.

4.3.1.3 General Equipment Monitoring

A visual inspection of the complete system will be conducted during the monitoring event. SSDS components to be monitored include, but are not limited to, the following:

- Fans;
- General system piping;
- Manometer readings; and
- VMP readings.

An example monitoring log sheet is provided in Appendix I. If any equipment readings are not within their typical range, any equipment is observed to be malfunctioning, or the system is not performing within specifications, maintenance and repair are required immediately, and the SSDS will be restarted.

4.3.1.4 System Monitoring Devices and Alarms

The SSDS is equipped with manometers and pilot lights which indicate when the system is not operating. In the event that the manometers or pilot lights indicate a problem or there is a system shutdown, applicable maintenance and repairs will be conducted and the SSDS will be restarted. The SSDS is engineered to restart after an electrical failure. Operational problems will be noted in the subsequent Periodic Review Report.

4.3.1.5 Sampling Event Protocol

If deemed necessary, a sample of the SSDS effluent may be taken. A tedlar bag or summa canister will be used as appropriate, depending on results of field screening of the effluent. The container will be filled with a grab sample from the quick connect port on the exhaust stack. If required, samples will be submitted to an ELAP certified laboratory under Chain of Custody and analyzed for VOCs by Method 8260 or TO-15.

4.3.2 Elevator Pit Sump

As discussed above, the sump pump located in the elevator pit is designed to collect and discharge water (including potentially-impacted groundwater) that may collect in the elevator pit. The Monroe County Sewer Use Permit (District #8575, permit #996 - see copy in Appendix D) for the sump system requires quarterly sampling and analysis of the sump water for halogenated VOCs and the metals Cadmium, Copper, Lead, and Zinc. Quarterly flow volume summaries must also be submitted to MCDES to document the volume of water being discharged. The site owner is required to submit analytical data electronically to MCDES, with a copy to NYSDEC.

The sump data will also be included in the Periodic Review Report.

4.4 MAINTENANCE AND PERFORMANCE MONITORING REPORTING REQUIREMENTS

Maintenance reports and any other information generated during regular operations at the site will be kept on-file on-site. All reports, forms, and other relevant information generated will be available upon request to the NYSDEC and submitted as part of the Periodic Review Report, as specified in the Section 5 of this SMP.

4.4.1 Routine Maintenance Reports

Checklists or forms (see Appendix I) will be completed during each routine maintenance event. Checklists/forms will include, but not be limited to the following information:

- Date;
- Name, company, and position of person(s) conducting maintenance activities;
- Maintenance activities conducted;
- Any modifications to the system;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc. (attached to the checklist/form).

4.4.2 Non-Routine Maintenance Reports

During each non-routine maintenance event, a form will be completed which will include, but not be limited to, the following information:

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

5.0 Inspections, Reporting and Certifications

5.1 SITE INSPECTIONS

5.1.1 Inspection Frequency

All inspections will be conducted at the frequency specified in the schedules provided in Section 3, Monitoring Plan and Section 4, Operation and Maintenance Plan of this SMP. At a minimum, a site-wide inspection will be conducted annually. Inspections of remedial components will also be conducted when a breakdown of any treatment system component has occurred or whenever a severe condition has taken place, such as an erosion or flooding event that may affect the ECs.

5.1.2 Inspection Forms, Sampling Data, and Maintenance Reports

All inspections and monitoring events will be recorded on the appropriate forms for their respective system which are contained in Appendix I. Additionally, a general site-wide inspection form will be completed during the site-wide inspection (see Appendix H). These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including all media sampling data and system maintenance reports, generated for the site during the reporting period will be provided in electronic format in the Periodic Review Report.

5.1.3 Evaluation of Records and Reporting

The results of the inspection and site monitoring data will be evaluated as part of the EC/IC certification to confirm that the:

- EC/ICs are in place, are performing properly, and remain effective;
- The Monitoring Plan is being implemented;
- Operation and maintenance activities are being conducted properly; and, based on the above items; and
- The site remedy continues to be protective of public health and the environment and is performing as designed.

5.2 CERTIFICATION OF ENGINEERING AND INSTITUTIONAL CONTROLS

After the last inspection of the reporting period, a Professional Engineer licensed to practice in New York State will prepare the following certification:

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

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

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

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

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

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

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

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

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

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

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

- I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of Stantec Consulting Services Inc., 61 Commercial Street Suite 100, Rochester, NY 14614, am certifying as Owner's Designated Site Representative.

The signed certification will be included in the Periodic Review Report described below.

The certification will include the following statement:

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

Every five years the following certification will be added:

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

The signed certification will be included in the Periodic Review Report described below.

5.3 PERIODIC REVIEW REPORT

A Periodic Review Report will be submitted to the Department every year, beginning fifteen months after the Certificate of Completion is issued. In the event that the site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the site limits described in the Metes and Bounds in Appendix A. The report will be prepared in accordance with NYSDEC DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site;
- Results of the required annual site inspections and severe condition inspections, if applicable;
- All applicable inspection forms and other records generated for the site during the reporting period in electronic format;
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends;
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format;
- A site evaluation, which includes the following:
    - The compliance of the remedy with the requirements of the site-specific RAWP, ROD or Decision Document;
    - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;
    - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
    - Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan; and
    - The overall performance and effectiveness of the remedy.

- A performance summary for all treatment systems (the SSDS) at the site during the calendar year, including information such as:
    - The number of days the system was run for the reporting period;
    - A description of breakdowns and/or repairs along with an explanation for any significant downtime;
    - A description of the resolution of performance problems;
    - A summary of the performance, effluent and/or effectiveness monitoring. For the SSDS, this will include a table depicting the extent of effective influence of the system (minimum negative pressure differential of 0.002 inches of water column) measured during the reporting period, the previous data depicting the effective influence, and a discussion comparing the two data sets and evaluating any changes. For the sump, a summary of volumes and contaminant presence in effluent samples will be provided; and
    - Comments, conclusions, and recommendations based on data evaluation.

The Periodic Review Report will be submitted, in hard-copy format, to the NYSDEC Central Office and to the NYSDEC Region 8 Office, and in electronic format to NYSDEC Central Office, Regional Office and the NYSDOH Bureau of Environmental Exposure Investigation.

5.4 CORRECTIVE MEASURES PLAN

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a corrective measures plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the corrective measures plan until it is approved by the NYSDEC.

TABLES

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot														
			B-1		B-2		B-3		B-4		B-5		B-6			B-10	
Sample Date			21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	3-May-11	4-May-11	4-May-11
Sample ID			B-1 0-4 ft (S-001)	B-1 8-12 ft (S-002)	B-2 0-4 ft (S-003)	B-2 8-12 ft (S-004)	B-3 0-4 (S-005)	B-3 6-10 (S-006)	B-4 0-4 (S-007)	B-4 8-12 (S-008)	B-5 0-4 (S-009)	B-5 6-10 (S-010)	B-6 0-4 (S011)	B-6 10-14 (S012)	B-6-1 6-8 ft	B-10 0-4 ft	B-10 8-10 ft
Sample Depth			0 - 4 ft	8 - 12 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	10 - 14 ft	6 - 8 ft	0 - 4 ft	8 - 10 ft
Sampling Company			DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	11:1825	11:1825	11:1825
Laboratory Sample ID			16390	16391	16392	16393	16394	16395	16396	16397	16398	16399	16400	16401	6166	6175	6176
Sample Type	Units	NYSDEC[1,2]															
Metals																	
Aluminum	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B} 10000_{a}^{E}	5080	3420	7040	3600	9860	3170	7819	3390	**11300^{BE}**	4440	5100	4670	-	-	-
Antimony	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B} 10000_{a}^{E}	7.31 U	6.74 U	6.35 U	4.22 U	5.11 U	3.86 U	5.23 U	4.25 U	6.29 U	6.37 U	4.93 U	5.77 U	-	-	-
Arsenic	mg/kg	16_{g}^{AB} 13_{n}^{C}	8.95	1.63	6.69	1.71	5.18	2.28	5.19	1.51	12.3	1.57	**14.7^{C}**	2.48	-	-	-
Barium	mg/kg	400^{A} 820^{B} 350_{n}^{C}	113	25.1	68	20.3	66.4	36.9	62.4	21.9	227	2.12 U	116	17.9	-	-	-
Beryllium	mg/kg	72^{A} 47^{B} 7.2^{C}	0.609 U	0.561 U	0.529 U	0.352 U	0.451	0.322 U	0.436 U	0.354 U	0.626	0.530 U	0.410 U	0.481 U	-	-	-
Cadmium	mg/kg	4.3^{A} 7.5^{B} 2.5_{n}^{C}	0.609 U	0.561 U	0.529 U	0.352 U	0.426 U	0.322 U	0.436 U	0.354 U	2.28	0.530 U	**3.08^{C}**	0.481 U	-	-	-
Calcium	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B} 10000_{a}^{E}	**18000^{BE}**	**34200^{BE}**	6800	**44300^{BE}**	1520	**119000^{BE}**	2560	**65600^{BE}**	**12100^{BE}**	**16300^{BE}**	**62900^{BE}**	**37100^{BE}**	-	-	-
Chromium (Total)	mg/kg	$_{NS,q}^{ABC}$	10.6	6.31	9.86	5.96	12	5.13	10	5.47	276	6.79	13.7	6.85	-	-	-
Cobalt	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B} 10000_{a}^{E}	7.79	3.68	7.83	3.32	6.23	3.17	6.62	3.32	11	4.36	7.24	4.09	-	-	-
Copper	mg/kg	270^{A} 1720^{B} 50^{C}	**261^{C}**	16.2	**253^{C}**	7.25	**198^{C}**	8.42	**223^{C}**	6.16	**2170^{ABC}**	8.67	**5680^{ABC}**	19.6	-	-	-
Iron	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B} 10000_{a}^{E}	**49600^{BE}**	**95600^{BE}**	**20700^{BE}**	9150	**21500^{BE}**	8758.4	**19300^{BE}**	8350	**37400^{BE}**	**10900^{BE}**	**29300^{BE}**	**10400^{BE}**	-	-	-
Lead	mg/kg	400^{A} 450^{B} 63_{n}^{C}	**1210^{ABC}**	13	**560^{ABC}**	2.72	**240^{C}**	3.27	**280^{C}**	2.52	**2520^{ABC}**	2.98	**1960^{ABC}**	5.84	-	-	-
Magnesium	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B}	3840	8080	1780	8340	1910	6190	1500	8100	3890	4040	9240	7130	-	-	-
Manganese	mg/kg	2000_{g}^{AB} 1600_{n}^{C}	284	302	253	266	390	**2460^{ABC}**	423	280	484	392	296	483	-	-	-
Mercury	mg/kg	0.81_{q}^{A} 0.73^{B} 0.18_{n}^{C}	**0.803^{BC}**	0.0046 U	**0.268^{C}**	0.006 U	**0.493^{C}**	0.0054 U	**0.236^{C}**	0.0142 U	**0.308^{C}**	0.0081	0.0164 U	0.0079 U	-	-	-
Nickel	mg/kg	310^{A} 130^{B} 30^{C}	26.1	10	18.8	5.77	12.5	6.15	12	5.7	**327^{ABC}**	6.57	3.28 U	7.18	-	-	-
Potassium	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B}	727	756	748	818	1050	734	957	815	795	1020	814	1260	-	-	-
Selenium	mg/kg	180^{A} 4_{g}^{B} 3.9_{n}^{C}	0.609 U	0.561 U	0.529 U	0.352 U	0.426 U	0.322 U	0.436 U	0.354 U	0.524 U	0.530 U	0.410 U	0.481 U	-	-	-
Silver	mg/kg	180^{A} 8.3^{B} 2^{C}	2	1.12 U	1.06	0.703 U	0.9	0.645 U	0.872 U	0.709 U	1.48	1.06 U	**7.51^{C}**	0.962 U	-	-	-
Sodium	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B}	145	115	106 U	111	702	206	87.2 U	133	327	117	479	197	-	-	-
Thallium	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B} 10000_{a}^{E}	0.731 U	0.674 U	0.635 U	0.422 U	0.511 U	0.386 U	0.523 U	0.425 U	0.629 U	0.637 U	0.493 U	0.577 U	-	-	-
Vanadium	mg/kg	$_{NS}^{AC}$ 10000_{d}^{B} 10000_{a}^{E}	15.7	13.6	18.2	13.2	21.5	11	20.2	12	26.1	15.4	15.4	13.3	-	-	-
Zinc	mg/kg	10000_{e}^{A} 2480^{B} 109_{n}^{C}	**508^{C}**	21.1	14.3	14.7	102	13.8	92.6	14.9	**2680^{BC}**	25.3	**2460^{C}**	21.4	-	-	-
Polychlorinated Biphenyls																	
Aroclor 1016	µg/kg	1000_{o}^{A} 3200_{n}^{B} 100_{o}^{C}	***361 U***	-	***356 U***	-	***357 U***	-	***349 U***	-	***358 U***	-	***350 U***	-	-	-	-
Aroclor 1221	µg/kg	1000_{o}^{A} 3200_{n}^{B} 100_{o}^{C}	***361 U***	-	***356 U***	-	***357 U***	-	***349 U***	-	***358 U***	-	***350 U***	-	-	-	-
Aroclor 1232	µg/kg	1000_{o}^{A} 3200_{n}^{B} 100_{o}^{C}	***361 U***	-	***356 U***	-	***357 U***	-	***349 U***	-	***358 U***	-	***350 U***	-	-	-	-
Aroclor 1242	µg/kg	1000_{o}^{A} 3200_{n}^{B} 100_{o}^{C}	***361 U***	-	***356 U***	-	***357 U***	-	***349 U***	-	***358 U***	-	***350 U***	-	-	-	-
Aroclor 1248	µg/kg	1000_{o}^{A} 3200_{n}^{B} 100_{o}^{C}	***361 U***	-	***356 U***	-	***357 U***	-	***349 U***	-	***358 U***	-	***350 U***	-	-	-	-
Aroclor 1254	µg/kg	1000_{o}^{A} 3200_{n}^{B} 100_{o}^{C}	***361 U***	-	***356 U***	-	***357 U***	-	***349 U***	-	***358 U***	-	***350 U***	-	-	-	-
Aroclor 1260	µg/kg	1000_{o}^{A} 3200_{n}^{B} 100_{o}^{C}	***361 U***	-	***356 U***	-	***357 U***	-	***349 U***	-	***358 U***	-	***350 U***	-	-	-	-
Pesticides																	
Aldrin	µg/kg	97^{A} 190^{B} 5_{n}^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Atrazine	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha-	µg/kg	480^{A} 20^{BC}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	15.5 U	-	3.37 U	-	-	3.43 U J	-
BHC, beta-	µg/kg	360^{A} 90^{B} 36^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
BHC, delta-	µg/kg	100000_{b}^{A} 250^{B} 40_{n}^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Camphechlor (Toxaphene)	µg/kg	100000_{b}^{A} 1000000_{d}^{B} 100000_{a}^{C}	17.7 U	-	17.2 U	-	17.1 U	-	16.8 U	-	17.1 U	-	16.8 U	-	-	17.2 U J	-
Chlordane, alpha-	µg/kg	4200^{A} 2900^{B} 94^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	18.8 J	-	3.37 U	-	-	3.43 U J	-
Chlordane, gamma-	µg/kg	100000_{b}^{A} 1000000_{d}^{B} 100000_{a}^{C} 14000^{E}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (p,p'-DDD)	µg/kg	13000^{A} 14000^{B} 3.3_{m}^{C}	***16.0 U***	-	***3.43 U***	-	***3.41 U***	-	***3.37 U***	-	***22.0 U***	-	***3.37 U***	-	-	***3.43 U J***	-
DDE (p,p'-DDE)	µg/kg	8900^{A} 17000^{B} 3.3_{m}^{C}	***3.53 U***	-	***3.43 U***	-	***3.41 U***	-	***3.37 U***	-	***3.43 U***	-	***3.37 U***	-	-	***3.43 U J***	-
DDT (p,p'-DDT)	µg/kg	7900^{A} 136000^{B} 3.3_{m}^{C}	**4.07 NJ^{C}**	-	***3.43 U***	-	**5.07 J^{C}**	-	***3.37 U***	-	**22.4 NJ^{C}**	-	***3.37 U***	-	-	***3.43 U J***	-
Dieldrin	µg/kg	200^{A} 100^{B} 5_{n}^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	4.90 U	-	3.37 U	-	-	3.43 U J	-
Endosulfan I	µg/kg	24000_{j}^{A} 102000^{B} 2400_{j}^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Endosulfan II	µg/kg	24000_{j}^{A} 102000^{B} 2400_{j}^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.86 U	-	3.37 U	-	-	3.43 U J	-
Endosulfan Sulfate	µg/kg	24000_{j}^{A} 1000000_{d}^{B} 2400_{j}^{C}	10.4 U	-	3.43 U	-	3.41 U	-	3.37 U	-	12.4 U	-	3.37 U	-	-	3.43 U J	-
Endrin	µg/kg	11000^{A} 60^{B} 14^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Endrin Aldehyde	µg/kg	100000_{b}^{A} 1000000_{d}^{B} 100000_{a}^{C}	4.58 J	-	3.43 U	-	3.41 U	-	3.37 U	-	4.12 U	-	3.37 U	-	-	3.43 U J	-
Endrin Ketone	µg/kg	100000_{b}^{A} 1000000_{d}^{B} 100000_{a}^{C}	12.2 U	-	3.43 U	-	5.78 NJ	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Heptachlor	µg/kg	2100^{A} 380^{B} 42^{C}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Heptachlor Epoxide	µg/kg	100000_{b}^{A} 1000000_{d}^{B} 100000_{a}^{C} 20^{E}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300^{A} 100^{BC}	3.53 U	-	3.43 U	-	3.41 U	-	3.37 U	-	3.43 U	-	3.37 U	-	-	3.43 U J	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000_{b}^{A} 1000000_{d}^{B} 100000_{a}^{C} 900000^{E}	81.5 U	-	3.43 U	-	84.8 U	-	3.37 U	-	6.37 U	-	22.0 U	-	-	3.43 U J	-

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot														
			B-1		B-2		B-3		B-4		B-5		B-6			B-10	
Sample Date			21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	3-May-11	4-May-11	4-May-11
Sample ID			B-1 0-4 ft (S-001)	B-1 8-12 ft (S-002)	B-2 0-4 ft (S-003)	B-2 8-12 ft (S-004)	B-3 0-4 (S-005)	B-3 6-10 (S-006)	B-4 0-4 (S-007)	B-4 8-12 (S-008)	B-5 0-4 (S-009)	B-5 6-10 (S-010)	B-6 0-4 (S011)	B-6 10-14 (S012)	B-6-1 6-8 ft	B-10 0-4 ft	B-10 8-10 ft
Sample Depth			0 - 4 ft	8 - 12 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	10 - 14 ft	6 - 8 ft	0 - 4 ft	8 - 10 ft
Sampling Company			DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	11:1825	11:1825	11:1825
Laboratory Sample ID			16390	16391	16392	16393	16394	16395	16396	16397	16398	16399	16400	16401	6166	6175	6176
Sample Type	Units	NYSDEC[1,2]															
Semi - Volatile Organic Compounds																	
3+4-Methylphenols	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/kg	100000_b[A] 98000[E] 20000[CG]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	855	339 U	339 U	329 U	356 U J	345 U J	320 U J
Acenaphthylene	µg/kg	100000_b[AG] 107000[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Acetophenone	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aniline	µg/kg	100000_b[A] 10000000_g[B] 100000_a[CD] 330_b[E]	-	-	-	-	-	-	-	-	-	-	-	-	***356 U J***	***345 U J***	320 U J
Anthracene	µg/kg	100000_b[AG] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	1830	339 U	339 U	329 U	356 U J	345 U J	320 U J
Benzaldehyde	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzidine	µg/kg	n/v	878 U	819 U	866 U	817 U	843 U	797 U	835 U	790 U	850 U	848 U	846 U	822 U	891 U J	863 U J	800 U J
Benzo(a)anthracene	µg/kg	1000_g[ABG] 1000_n[C]	582	328 U	346 U	327 U	431	319 U	334 U	316 U	**3020**[ABCG]	339 U	339 U	329 U	356 U J	345 U J	320 U J
Benzo(a)pyrene	µg/kg	1000_g[AG] 22000[B] 1000_n[C]	533	328 U	346 U	327 U	393	319 U	334 U	316 U	**2640**[ACG]	339 U	339 U	329 U	356 U J	345 U J	320 U J
Benzo(b)fluoranthene	µg/kg	1000_g[AG] 1700[B] 1000_n[C]	477	328 U	346 U	327 U	417	319 U	334 U	316 U	**2680**[ABCG]	339 U	339 U	329 U	356 U J	345 U J	320 U J
Benzo(g,h,i)perylene	µg/kg	100000_b[ACG] 1000000_d[B]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	1760	339 U	339 U	329 U	356 U J	345 U J	320 U J
Benzo(k)fluoranthene	µg/kg	3900[A] 1700[B] 800_n[CG]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	**1750**[BCG]	339 U	339 U	329 U	356 U J	345 U J	320 U J
Benzoic acid	µg/kg	100000_b[A] 1000000_g[B] 100000_a[C] 2700[E]	878 U	819 U	866 U	817 U	843 U	797 U	835 U	790 U	850 U	848 U	846 U	822 U	891 U J	863 U J	800 U J
Benzyl Alcohol	µg/kg	n/v	878 U	819 U	866 U	817 U	843 U	797 U	835 U	790 U	850 U	848 U	846 U	822 U	891 U J	863 U J	800 U J
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Bis(2-Chloroethyl)ether	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 435000[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Bromophenyl Phenyl Ether, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Butyl Benzyl Phthalate	µg/kg	$_{NS}$[AC] 1000000_d[B] 122000[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Caprolactam	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Chloroaniline, 4-	µg/kg	$_{NS}$[AC] 1000000_d[B] 220[E]	***351 U***	***328 U***	***346 U***	***327 U***	***337 U***	***319 U***	***334 U***	***316 U***	***340 U***	***339 U***	***339 U***	***329 U***	***356 U J***	***345 U J***	***320 U J***
Chloronaphthalene, 2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Chrysene	µg/kg	3900[A] 1000_g[BG] 1000_n[C]	573	328 U	346 U	327 U	419	319 U	334 U	316 U	**2940**[BCG]	339 U	339 U	329 U	356 U J	345 U J	320 U J
Cresol, m- (Methylphenol, 3-)	µg/kg	100000_b[A] 330_i[B] 330_m[C]	***351 U***	328 U	***346 U***	327 U	***337 U***	319 U	***334 U***	316 U	***340 U***	***339 U***	***339 U***	329 U	***356 U J***	***345 U J***	320 U J
Cresol, o- (Methylphenol, 2-)	µg/kg	100000_b[A] 330_i[B] 330_m[C]	***351 U***	328 U	***346 U***	327 U	***337 U***	319 U	***334 U***	316 U	***340 U***	***339 U***	***339 U***	329 U	***356 U J***	***345 U J***	320 U J
Dibenzo(a,h)anthracene	µg/kg	330_i[AG] 1000000_d[B] 330_m[C]	***351 U***	328 U	***346 U***	327 U	***337 U***	319 U	***334 U***	316 U	**629**[ACG]	***339 U***	***339 U***	329 U	***356 U J***	***345 U J***	320 U J
Dibenzofuran	µg/kg	59000[A] 210000[B] 7000[C] 6200[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	671	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dibutyl Phthalate (DBP)	µg/kg	$_{NS}$[AC] 1000000_d[B] 8100[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	489	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dichlorobenzene, 1,2-	µg/kg	100000_b[A] 1100[BC]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dichlorobenzene, 1,3-	µg/kg	49000[A] 2400[BC]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dichlorobenzene, 1,4-	µg/kg	13000[A] 1800[BC]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dichlorobenzidine, 3,3'-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dichlorophenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 400[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dichlorophenol, 2,6-	µg/kg	n/v	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Diethyl Phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 7100[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dimethyl Phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 27000[E]	878 U	819 U	866 U	817 U	843 U	797 U	835 U	790 U	850 U	848 U	846 U	822 U	891 U J	863 U J	800 U J
Dimethylphenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dinitro-o-cresol, 4,6-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	878 U	819 U	866 U	817 U	843 U	797 U	835 U	790 U	850 U	848 U	846 U	822 U	891 U J	863 U J	800 U J
Dinitrophenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 200[E]	***878 U***	***819 U***	***866 U***	***817 U***	***843 U***	***797 U***	***835 U***	***790 U***	***850 U***	***848 U***	***846 U***	***822 U***	***891 U J***	***863 U J***	***800 U J***
Dinitrotoluene, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Dinitrotoluene, 2,6-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] $1000/170_{b,11}$[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Di-n-Octyl phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 120000[E]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Fluoranthene	µg/kg	100000_b[AG] 1000000_d[B] 100000_a[C]	1070	328 U	346 U	327 U	887	319 U	334 U	316 U	6280	339 U	339 U	329 U	356 U J	345 U J	320 U J
Fluorene	µg/kg	100000_b[A] 386000[B] 30000[CG]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	834	339 U	339 U	329 U	356 U J	345 U J	320 U J
Hexachlorobenzene	µg/kg	1200[A] 3200[B] 330_m[C] 1400[E]	***351 U***	328 U	***346 U***	327 U	***337 U***	319 U	***334 U***	316 U	***340 U***	***339 U***	***339 U***	329 U	***356 U J***	***345 U J***	320 U J
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Hexachlorocyclopentadiene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot														
			B-1		B-2		B-3		B-4		B-5		B-6			B-10	
Sample Date			21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	3-May-11	4-May-11	4-May-11
Sample ID			B-1 0-4 ft (S-001)	B-1 8-12 ft (S-002)	B-2 0-4 ft (S-003)	B-2 8-12 ft (S-004)	B-3 0-4 (S-005)	B-3 6-10 (S-006)	B-4 0-4 (S-007)	B-4 8-12 (S-008)	B-5 0-4 (S-009)	B-5 6-10 (S-010)	B-6 0-4 (S011)	B-6 10-14 (S012)	B-6-1 6-8 ft	B-10 0-4 ft	B-10 8-10 ft
Sample Depth			0 - 4 ft	8 - 12 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	10 - 14 ft	6 - 8 ft	0 - 4 ft	8 - 10 ft
Sampling Company			DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	11:1825	11:1825	11:1825
Laboratory Sample ID			16390	16391	16392	16393	16394	16395	16396	16397	16398	16399	16400	16401	6166	6175	6176
Sample Type	Units	NYSDEC[1,2]															
Semi - Volatile Organic Compounds (continued)																	
Hexachloroethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Indeno(1,2,3-cd)pyrene	µg/kg	500_g^{AG} 8200^B 500_a^C	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	**1730[ACG]**	339 U	339 U	329 U	356 U J	345 U J	320 U J
Isophorone	µg/kg	100000_b^A 1000000_d^B 100000_a^C 4400^E	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Methylnaphthalene, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 36400^E	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Naphthalene	µg/kg	100000_b^A 12000^{BCFG}	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	424	339 U	339 U	329 U	356 U J	345 U J	320 U J
Nitroaniline, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 400^E	***878 U***	***819 U***	***866 U***	***817 U***	***843 U***	***797 U***	***835 U***	***790 U***	***850 U***	***848 U***	***846 U***	***822 U***	***891 U J***	***863 U J***	***800 U J***
Nitroaniline, 3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 500^E	***878 U***	***819 U***	***866 U***	***817 U***	***843 U***	***797 U***	***835 U***	***790 U***	***850 U***	***848 U***	***846 U***	***822 U***	***891 U J***	***863 U J***	***800 U J***
Nitroaniline, 4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	878 U	819 U	866 U	817 U	843 U	797 U	835 U	790 U	850 U	848 U	846 U	822 U	891 U J	863 U J	800 U J
Nitrobenzene	µg/kg	100000_b^A 1000000_d^B 100000_a^C 15000^D 170_b^E	***351 U***	***328 U***	***346 U***	***327 U***	***337 U***	***319 U***	***334 U***	***316 U***	***340 U***	***339 U***	***339 U***	***329 U***	***356 U J***	***345 U J***	***320 U J***
Nitrophenol, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 300^E	***351 U***	***328 U***	***346 U***	***327 U***	***337 U***	***319 U***	***334 U***	***316 U***	***340 U***	***339 U***	***339 U***	***329 U***	***356 U J***	***345 U J***	***320 U J***
Nitrophenol, 4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 100^E	***878 U***	***819 U***	***866 U***	***817 U***	***843 U***	***797 U***	***835 U***	***790 U***	***850 U***	***848 U***	***846 U***	***822 U***	***891 U J***	***863 U J***	***800 U J***
N-Nitrosodimethylamine (NDMA)	µg/kg	n/v	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
N-Nitrosodi-n-Propylamine	µg/kg	100000_b^A 1000000_d^B 100000_a^C	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
n-Nitrosodiphenylamine	µg/kg	100000_b^A 1000000_d^B 100000_a^C	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Pentachlorophenol	µg/kg	6700^A 800_b^B 800_m^C	***878 U***	***819 U***	***866 U***	***817 U***	***843 U***	797 U	***835 U***	790 U	***850 U***	***848 U***	***846 U***	***822 U***	***891 U J***	***863 U J***	800 U J
Phenanthrene	µg/kg	100000_b^{ACG} 1000000_d^B	491	328 U	346 U	327 U	569	319 U	334 U	316 U	6250	339 U	339 U	329 U	356 U J	345 U J	320 U J
Phenol	µg/kg	100000_b^A 330_j^B 330_m^C	***351 U***	328 U	***346 U***	327 U	***337 U***	319 U	***334 U***	316 U	***340 U***	***339 U***	***339 U***	329 U	***356 U J***	***345 U J***	320 U J
Pyrene	µg/kg	100000_b^{ACG} 1000000_d^B	878	328 U	346 U	327 U	724	319 U	334 U	316 U	5130	339 U	339 U	329 U	356 U J	345 U J	320 U J
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 3400^E	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Trichlorophenol, 2,4,5-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 100^E	***878 U***	***819 U***	***866 U***	***817 U***	***843 U***	***797 U***	***835 U***	***790 U***	***850 U***	***848 U***	***846 U***	***822 U***	***891 U J***	***863 U J***	***800 U J***
Trichlorophenol, 2,4,6-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	351 U	328 U	346 U	327 U	337 U	319 U	334 U	316 U	340 U	339 U	339 U	329 U	356 U J	345 U J	320 U J
Total SVOC TICs	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
Acetone	µg/kg	100000_b^A 50^{BC}	***51.8 U***	25.9 U	27.4 U	38.2 U	37.0 U	37.0 U	22.9 U	32.6 U	***244 U J***	39.6 U	37.7 U J	42.5 U	44.9 U J	47.5 U J	44.1 U J
Benzene	µg/kg	4800^A 60^{BCFG}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Bromodichloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Bromoform (Tribromomethane)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	25.9 U	13.0 U	13.7 U	19.1 U	18.5 U	18.5 U	11.4 U	16.3 U	122 U J	19.8 U	18.9 U J	21.3 U	22.4 U J	23.8 U J	22.0 U J
Bromomethane (Methyl bromide)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Carbon Disulfide	µg/kg	100000_b^A 1000000_d^B 100000_a^C 2700^E	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400^A 760^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Chlorobenzene (Monochlorobenzene)	µg/kg	100000_b^A 1100^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Chlorobromomethane	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 1900^E	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Chloroethyl Vinyl Ether, 2-	µg/kg	n/v	51.8 U	25.9 U	27.4 U	38.2 U	37.0 U	37.0 U	22.9 U	32.6 U	244 U J	39.6 U	37.7 U J	42.5 U	44.9 U J	47.5 U J	44.1 U J
Chloroform (Trichloromethane)	µg/kg	49000^A 370^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Chloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Cyclohexane	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichlorobenzene, 1,2-	µg/kg	100000_b^A 1100^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichlorobenzene, 1,3-	µg/kg	49000^A 2400^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichlorobenzene, 1,4-	µg/kg	13000^A 1800^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/kg	26000^A 270^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichloroethane, 1,2-	µg/kg	3100^A 20_g^B 20_m^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	***48.7 U J***	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichloroethene, 1,1-	µg/kg	100000_b^A 330^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichloroethylene, cis-1,2-	µg/kg	100000_b^A 250^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichloroethylene, trans-1,2-	µg/kg	100000_b^A 190^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichloropropane, 1,2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichloropropene, cis-1,3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dichloropropene, trans-1,3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Dioxane, 1,4-	µg/kg	13000^A 100_j^B 100_m^C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/kg	41000^A 1000^{BCFG}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot														
			B-1		B-2		B-3		B-4		B-5		B-6			B-10	
Sample Date			21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	22-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	21-Dec-10	3-May-11	4-May-11	4-May-11
Sample ID			B-1 0-4 ft (S-001)	B-1 8-12 ft (S-002)	B-2 0-4 ft (S-003)	B-2 8-12 ft (S-004)	B-3 0-4 (S-005)	B-3 6-10 (S-006)	B-4 0-4 (S-007)	B-4 8-12 (S-008)	B-5 0-4 (S-009)	B-5 6-10 (S-010)	B-6 0-4 (S011)	B-6 10-14 (S012)	B-6-1 6-8 ft	B-10 0-4 ft	B-10 8-10 ft
Sample Depth			0 - 4 ft	8 - 12 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	8 - 12 ft	0 - 4 ft	6 - 10 ft	0 - 4 ft	10 - 14 ft	6 - 8 ft	0 - 4 ft	8 - 10 ft
Sampling Company			DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	10:5252	11:1825	11:1825	11:1825
Laboratory Sample ID			16390	16391	16392	16393	16394	16395	16396	16397	16398	16399	16400	16401	6166	6175	6176
Sample Type	Units	NYSDEC[1,2]															
Volatile Organic Compounds (continued)																	
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	25.9 U	13.0 U	13.7 U	19.1 U	18.5 U	18.5 U	11.4 U	16.3 U	122 U J	19.8 U	18.9 U J	21.3 U	22.4 U J	23.8 U J	22.0 U J
Isopropylbenzene	µg/kg	100000_b^A 1000000_d^B 100000_a^C 2300^{EFG}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	µg/kg	100000_b^A 120^{BC} 300^E	51.8 U	25.9 U	27.4 U	38.2 U	37.0 U	37.0 U	22.9 U	32.6 U	***244 U J***	39.6 U	37.7 U J	42.5 U	44.9 U J	47.5 U J	44.1 U J
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 1000^E	25.9 U	13.0 U	13.7 U	19.1 U	18.5 U	18.5 U	11.4 U	16.3 U	122 U J	19.8 U	18.9 U J	21.3 U	22.4 U J	23.8 U J	22.0 U J
Methyl tert-butyl ether (MTBE)	µg/kg	100000_b^A 930^{BCF}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/kg	100000_b^A 50^{BC}	25.9 U	13.0 U	13.7 U	19.1 U	18.5 U	18.5 U	11.4 U	16.3 U	***122 U J***	19.8 U	18.9 U J	21.3 U	22.4 U J	23.8 U J	22.0 U J
Styrene	µg/kg	100000_b^A 1000000_d^B 100000_a^C	25.9 U	13.0 U	13.7 U	19.1 U	18.5 U	18.5 U	11.4 U	16.3 U	122 U J	19.8 U	18.9 U J	21.3 U	22.4 U J	23.8 U J	22.0 U J
Tetrachloroethane, 1,1,2,2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 600^E	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Tetrachloroethylene (PCE)	µg/kg	19000^A 1300^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	43.4 J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Toluene	µg/kg	100000_b^A 700^{BCFG}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Trichlorobenzene, 1,2,3-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 3400^E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/kg	100000_b^A 680^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Trichloroethane, 1,1,2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Trichloroethylene (TCE)	µg/kg	21000^A 470^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	**1110 J[BC]**	7.92 U	12.3 J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 6000^E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/kg	n/v	25.9 U	13.0 U	13.7 U	19.1 U	18.5 U	18.5 U	11.4 U	16.3 U	122 U J	19.8 U	18.9 U J	21.3 U	22.4 U J	23.8 U J	22.0 U J
Vinyl chloride	µg/kg	900^A 20^{BC}	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	***48.7 U J***	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Xylene, m & p-	µg/kg	$100000_{b,p}^A$ 1600_p^B 260_p^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Xylene, o-	µg/kg	$100000_{b,p}^A$ 1600_p^B 260_p^C	10.4 U	5.18 U	5.48 U	7.64 U	7.39 U	7.41 U	4.58 U	6.53 U	48.7 U J	7.92 U	7.55 U J	8.50 U	8.97 U J	9.51 U J	8.82 U J
Total VOC TICs	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Herbicides																	
2,4,5-TP (Silvex)	µg/kg	100000_b^A 3800^{BC}	250 U	-	233 U	-	243 U	-	234 U	-	243 U	-	242 U	-	-	-	-
Dichlorophenoxy acetic acid, 2,4- (2,4-D)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 500^E	250 U	-	233 U	-	243 U	-	234 U	-	243 U	-	242 U	-	-	-	-
Trichlorophenoxy acetic acid, 2,4,5- (2,4,5-T)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 1900^E	250 U	-	233 U	-	243 U	-	234 U	-	243 U	-	242 U	-	-	-	-

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Parking Lot																	
Sample Location			**B101MW**	**B102MW**	**B103**	**B104**	**B105**	**B-11**		**B-12**		**B-13**	**B-14**	**B-15**		**B-16**		**LI-SS1**	**LI-SS2**
Sample Date			**22-Apr-13**	**22-Apr-13**	**24-Apr-13**	**24-Apr-13**	**24-Apr-13**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**6-May-13**	**6-May-13**
Sample ID			**LI-B101MW-1S**	**LI-B102MW-1S**	**LI-B103-1S**	**LI-B104-1S**	**LI-B105-1S**	**B-11 0.5-4 ft**	**B-11 8-10 ft**	**B-12 0-4 ft**	**B-12 8-10 ft**	**B-13 0-4 ft**	**B-14 0.5-4 ft**	**B-15 0-4 ft**	**B-15 8-10 ft**	**B-16 10-14 ft**	**B-16 2-8 ft**	**LI-SS1**	**LI-SS2**
Sample Depth			**9.5 - 10.4 ft**	**7 - 8 ft**	**5 - 6 ft**	**5.5 - 6 ft**	**11.4 - 11.9 ft**	**0.5 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**0.5 - 4 ft**	**0 - 4 ft**	**8 - 10 ft**	**10 - 14 ft**	**2 - 8 ft**	**0 - 2 ft**	**0 - 2 ft**
Sampling Company			**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**STANTEC**	**STANTEC**
Laboratory			**CCGE**	**CCGE**	**CCGE**	**CCGE**	**CCGE**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**CCGE**	**CCGE**
Laboratory Work Order			**E1976**	**E1976**	**E1976**	**E1976**	**E1976**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**E2101**	**E2101**
Laboratory Sample ID			**E1976-01**	**E1976-02**	**E1976-04**	**E1976-07**	**E1976-08**	**6177**	**6178**	**6173**	**6174**	**6172**	**6171**	**6169**	**6170**	**6168**	**6167**	**E2101-10**	**E2101-11**
Sample Type	**Units**	**NYSDEC[1,2]**																	
Metals																			
Aluminum	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	2180 J	6900 J	-	-	-	-	-	-	-	-	-	-	-	-	-	8060 J	4780 J
Antimony	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	2.430 U J	2.510 U J	-	-	-	-	-	-	-	-	-	-	-	-	-	1.320 U J	1.440 U J
Arsenic	mg/kg	16_g^{AB} 13_n^C	1.53	2.05	-	-	-	-	-	-	-	-	-	-	-	-	-	**21.5^{ABC}**	**14.6^{C}**
Barium	mg/kg	400^A 820^B 350_n^C	14.5	46.6	-	-	-	-	-	-	-	-	-	-	-	-	-	**469^{AC}**	145
Beryllium	mg/kg	72^A 47^B 7.2^C	0.08 J	0.208 J	-	-	-	-	-	-	-	-	-	-	-	-	-	0.95	0.53
Cadmium	mg/kg	4.3^A 7.5^B 2.5_n^C	0.222 J	0.476	-	-	-	-	-	-	-	-	-	-	-	-	-	1.74	1.78
Calcium	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	**36300 J^{BE}**	1600 J	-	-	-	-	-	-	-	-	-	-	-	-	-	**55300 J^{BE}**	**21100 J^{BE}**
Chromium (Total)	mg/kg	$_{NS,q}^{ABC}$	3.93	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-	140	38.7
Cobalt	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	3.05	6.62	-	-	-	-	-	-	-	-	-	-	-	-	-	10.3	8.87
Copper	mg/kg	270^A 1720^B 50^C	6.37 N	11.9 N	-	-	-	-	-	-	-	-	-	-	-	-	-	**629^{AC}**	**1950^{ABC}**
Iron	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	6770 Q	**13400 Q^{BE}**	-	-	-	-	-	-	-	-	-	-	-	-	-	**33800^{BE}**	**43700^{BE}**
Lead	mg/kg	400^A 450^B 63_n^C	4.6 N	6.81 N	-	-	-	-	-	-	-	-	-	-	-	-	-	**575^{ABC}**	**1020^{ABC}**
Magnesium	mg/kg	$_{NS}^{AC}$ 10000_d^B	8310 J	1880 J	-	-	-	-	-	-	-	-	-	-	-	-	-	8110 J	9670 J
Manganese	mg/kg	2000_g^{AB} 1600_n^C	212 J	336 J	-	-	-	-	-	-	-	-	-	-	-	-	-	250 J	233 J
Mercury	mg/kg	0.81_k^A 0.73^B 0.18_n^C	0.006 J	0.026	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.264^{C}**	**0.764 D^{BC}**
Nickel	mg/kg	310^A 130^B 30^C	5.06	13.2	-	-	-	-	-	-	-	-	-	-	-	-	-	**51^{C}**	**66.2^{C}**
Potassium	mg/kg	$_{NS}^{AC}$ 10000_d^B	319 J	1270 J	-	-	-	-	-	-	-	-	-	-	-	-	-	589 J	447 J
Selenium	mg/kg	180^A 4_g^B 3.9_n^C	0.972 U J	1.000 U J	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53 U J	0.58 U J
Silver	mg/kg	180^A 8.3^B 2^C	0.486 U J	0.501 U J	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52 J	**2.54 J^{C}**
Sodium	mg/kg	$_{NS}^{AC}$ 10000_d^B	85.4 J	227	-	-	-	-	-	-	-	-	-	-	-	-	-	724	57.5 U
Thallium	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	1.940 U	2.000 U	-	-	-	-	-	-	-	-	-	-	-	-	-	1.060 U	1.3
Vanadium	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	8.35 N	17.3 N	-	-	-	-	-	-	-	-	-	-	-	-	-	55.1	42.3
Zinc	mg/kg	10000_e^A 2480^B 109_n^C	15.2	33.9	-	-	-	-	-	-	-	-	-	-	-	-	-	**374^{C}**	**404^{C}**
Polychlorinated Biphenyls																			
Aroclor 1016	µg/kg	1000_o^A 3200_o^B 100_o^C	20 U	20.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3 U	20.1 U
Aroclor 1221	µg/kg	1000_o^A 3200_o^B 100_o^C	20 U	20.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3 U	20.1 U
Aroclor 1232	µg/kg	1000_o^A 3200_o^B 100_o^C	20 U	20.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3 U	20.1 U
Aroclor 1242	µg/kg	1000_o^A 3200_o^B 100_o^C	20 U	20.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3 U	20.1 U
Aroclor 1248	µg/kg	1000_o^A 3200_o^B 100_o^C	20 U	20.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3 U	20.1 U
Aroclor 1254	µg/kg	1000_o^A 3200_o^B 100_o^C	20 U	20.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	18.3 U	20.1 U
Aroclor 1260	µg/kg	1000_o^A 3200_o^B 100_o^C	20 U	20.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	40	**220^{C}**
Pesticides																			
Aldrin	µg/kg	97^A 190^B 5_n^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Atrazine	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
BHC, alpha-	µg/kg	480^A 20^{BC}	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
BHC, beta-	µg/kg	360^A 90^B 36^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
BHC, delta-	µg/kg	100000_b^A 250^B 40_n^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Camphechlor (Toxaphene)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	20 U	20.8 U	-	-	-	15.8 U J	-	17.1 U J	-	16.9 U J	16.5 U J	16.9 U J	-	-	16.7 U J	18.3 U	20.1 U
Chlordane, alpha-	µg/kg	4200^A 2900^B 94^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Chlordane, gamma-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 14000^E	-	-	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	-	-
Chlordane, trans-	µg/kg	n/v	2 U	2.1 U	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8 U	2 U
DDD (p,p'-DDD)	µg/kg	13000^A 14000^B 3.3_m^C	2 U	2.1 U	-	-	-	3.15 U J	-	**4.09 J^{C}**	-	***3.38 U J***	3.29 U J	***3.38 U J***	-	-	**3.99 J^{C}**	1.8 U	2 U
DDE (p,p'-DDE)	µg/kg	8900^A 17000^B 3.3_m^C	2 U	2.1 U	-	-	-	3.15 U J	-	***3.42 U J***	-	***3.38 U J***	3.29 U J	***3.38 U J***	-	-	***3.33 U J***	1.8 U	2 U
DDT (p,p'-DDT)	µg/kg	7900^A 136000^B 3.3_m^C	2 U	2.1 U	-	-	-	3.15 U J	-	**4.13 J^{C}**	-	**6.65 J^{C}**	3.29 U J	***3.38 U J***	-	-	**3.42 J^{C}**	1.8 U	2 U
Dieldrin	µg/kg	200^A 100^B 5_n^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	4.70 NJ	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Endosulfan I	µg/kg	24000_i^A 102000^B 2400_i^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Endosulfan II	µg/kg	24000_i^A 102000^B 2400_i^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Endosulfan Sulfate	µg/kg	24000_i^A 1000000_d^B 2400_i^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 J	2 U
Endrin	µg/kg	11000^A 60^B 14^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Endrin Aldehyde	µg/kg	100000_b^A 1000000_d^B 100000_a^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Endrin Ketone	µg/kg	100000_b^A 1000000_d^B 100000_a^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Heptachlor	µg/kg	2100^A 380^B 42^C	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Heptachlor Epoxide	µg/kg	100000_b^A 1000000_d^B 100000_a^C 20^E	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300^A 100^{BC}	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 900000^E	2 U	2.1 U	-	-	-	3.15 U J	-	3.42 U J	-	3.38 U J	3.29 U J	3.38 U J	-	-	3.33 U J	1.8 U	2 U

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Parking Lot																	
Sample Location			**B101MW**	**B102MW**	**B103**	**B104**	**B105**	**B-11**		**B-12**		**B-13**	**B-14**	**B-15**		**B-16**		**LI-SS1**	**LI-SS2**
Sample Date			**22-Apr-13**	**22-Apr-13**	**24-Apr-13**	**24-Apr-13**	**24-Apr-13**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**6-May-13**	**6-May-13**
Sample ID			**LI-B101MW-1S**	**LI-B102MW-1S**	**LI-B103-1S**	**LI-B104-1S**	**LI-B105-1S**	**B-11 0.5-4 ft**	**B-11 8-10 ft**	**B-12 0-4 ft**	**B-12 8-10 ft**	**B-13 0-4 ft**	**B-14 0.5-4 ft**	**B-15 0-4 ft**	**B-15 8-10 ft**	**B-16 10-14 ft**	**B-16 2-8 ft**	**LI-SS1**	**LI-SS2**
Sample Depth			**9.5 - 10.4 ft**	**7 - 8 ft**	**5 - 6 ft**	**5.5 - 6 ft**	**11.4 - 11.9 ft**	**0.5 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**0.5 - 4 ft**	**0 - 4 ft**	**8 - 10 ft**	**10 - 14 ft**	**2 - 8 ft**	**0 - 2 ft**	**0 - 2 ft**
Sampling Company			**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**STANTEC**	**STANTEC**
Laboratory			**CCGE**	**CCGE**	**CCGE**	**CCGE**	**CCGE**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**CCGE**	**CCGE**
Laboratory Work Order			**E1976**	**E1976**	**E1976**	**E1976**	**E1976**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**E2101**	**E2101**
Laboratory Sample ID			**E1976-01**	**E1976-02**	**E1976-04**	**E1976-07**	**E1976-08**	**6177**	**6178**	**6173**	**6174**	**6172**	**6171**	**6169**	**6170**	**6168**	**6167**	**E2101-10**	**E2101-11**
Sample Type	**Units**	**NYSDEC[1,2]**																	
Semi - Volatile Organic Compounds																			
3+4-Methylphenols	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Acenaphthene	µg/kg	100000$_b$[A] 98000[E] 20000[CG]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Acenaphthylene	µg/kg	100000$_b$[AG] 107000[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Acetophenone	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Aniline	µg/kg	100000$_b$[A] 10000000$_g$[B] 100000$_a$[CD] 330$_b$[E]	-	-	-	-	-	315 U J	329 U J	***338 U J***	315 U J	-	-	***337 U J***	321 U J	326 U J	330 U J	-	-
Anthracene	µg/kg	100000$_b$[AG] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Benzaldehyde	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Benzidine	µg/kg	n/v	-	-	-	-	-	789 U J	822 U J	845 U J	787 U J	-	-	842 U J	803 U J	814 U J	826 U J	-	-
Benzo(a)anthracene	µg/kg	1000$_g$[ABG] 1000$_n$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U J***	***39000 U J***
Benzo(a)pyrene	µg/kg	1000$_g$[AG] 22000[B] 1000$_n$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U J***	***39000 U J***
Benzo(b)fluoranthene	µg/kg	1000$_g$[AG] 1700[B] 1000$_n$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U J***	***39000 U J***
Benzo(g,h,i)perylene	µg/kg	100000$_h$[ACG] 1000000$_d$[B]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U J	39000 U J
Benzo(k)fluoranthene	µg/kg	3900[A] 1700[B] 800$_n$[CG]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U J***	***39000 U J***
Benzoic acid	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 2700[E]	-	-	-	-	-	789 U J	822 U J	845 U J	787 U J	-	-	842 U J	803 U J	814 U J	826 U J	-	-
Benzyl Alcohol	µg/kg	n/v	-	-	-	-	-	789 U J	822 U J	845 U J	787 U J	-	-	842 U J	803 U J	814 U J	826 U J	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	-	-	-	-	-	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	-	-
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 435000[E]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U J	39000 U J
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Butyl Benzyl Phthalate	µg/kg	$_{NS}$[AC] 1000000$_g$[B] 122000[E]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U J	39000 U J
Caprolactam	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Carbazole	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Chloroaniline, 4-	µg/kg	$_{NS}$[AC] 1000000$_g$[B] 220[E]	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	***315 U J***	***329 U J***	***338 U J***	***315 U J***	-	-	***337 U J***	***321 U J***	***326 U J***	***330 U J***	***35500 U***	***39000 U***
Chloronaphthalene, 2-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Chrysene	µg/kg	3900[A] 1000$_g$[BG] 1000$_n$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U J***	***39000 U J***
Cresol, m- (Methylphenol, 3-)	µg/kg	100000$_b$[A] 330$_t$[B] 330$_m$[C]	-	-	-	-	-	315 U J	329 U J	***338 U J***	315 U J	-	-	***337 U J***	321 U J	326 U J	330 U J	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A] 330$_t$[B] 330$_m$[C]	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	315 U J	329 U J	***338 U J***	315 U J	-	-	***337 U J***	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Dibenzo(a,h)anthracene	µg/kg	330$_t$[AG] 1000000$_g$[B] 330$_m$[C]	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	315 U J	329 U J	***338 U J***	315 U J	-	-	***337 U J***	321 U J	326 U J	330 U J	***35500 U J***	***39000 U J***
Dibenzofuran	µg/kg	59000[A] 210000[B] 7000[C] 6200[E]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Dibutyl Phthalate (DBP)	µg/kg	$_{NS}$[AC] 1000000$_g$[B] 8100[E]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A] 1100[BC]	-	-	-	-	-	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A] 2400[BC]	-	-	-	-	-	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A] 1800[BC]	-	-	-	-	-	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	-	-
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U J	39000 U J
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 400[E]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Dichlorophenol, 2,6-	µg/kg	n/v	-	-	-	-	-	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	-	-
Diethyl Phthalate	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 7100[E]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Dimethyl Phthalate	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 27000[E]	390	410	230 J	240 J	330 J	789 U J	822 U J	845 U J	787 U J	-	-	842 U J	803 U J	814 U J	826 U J	***35500 U***	***39000 U***
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Dinitro-o-cresol, 4,6-	µg/kg	100000$_a$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	789 U J	822 U J	845 U J	787 U J	-	-	842 U J	803 U J	814 U J	826 U J	35500 U J	39000 U J
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 200[E]	***390 U J***	***400 U J***	***390 U J***	***390 U J***	***370 U J***	***789 U J***	***822 U J***	***845 U J***	***787 U J***	-	-	***842 U J***	***803 U J***	***814 U J***	***826 U J***	***35500 U J***	***39000 U J***
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 1000/170$_{b,11}$[E]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Di-n-Octyl phthalate	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C] 120000[E]	390 U	400 U	390 U Q	390 U Q	370 U Q	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U J	39000 U J
Fluoranthene	µg/kg	100000$_b$[AG] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Fluorene	µg/kg	100000$_b$[A] 386000[B] 30000[CG]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Hexachlorobenzene	µg/kg	1200[A] 3200[B] 330$_m$[C] 1400[E]	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	315 U J	329 U J	***338 U J***	315 U J	-	-	***337 U J***	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A] 1000000$_g$[B] 100000$_a$[C]	390 U	400 U	390 U Q	390 U Q	370 U Q	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Parking Lot																	
Sample Location			**B101MW**	**B102MW**	**B103**	**B104**	**B105**	**B-11**		**B-12**		**B-13**	**B-14**	**B-15**		**B-16**		**LI-SS1**	**LI-SS2**
Sample Date			**22-Apr-13**	**22-Apr-13**	**24-Apr-13**	**24-Apr-13**	**24-Apr-13**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**6-May-13**	**6-May-13**
Sample ID			**LI-B101MW-1S**	**LI-B102MW-1S**	**LI-B103-1S**	**LI-B104-1S**	**LI-B105-1S**	**B-11 0.5-4 ft**	**B-11 8-10 ft**	**B-12 0-4 ft**	**B-12 8-10 ft**	**B-13 0-4 ft**	**B-14 0.5-4 ft**	**B-15 0-4 ft**	**B-15 8-10 ft**	**B-16 10-14 ft**	**B-16 2-8 ft**	**LI-SS1**	**LI-SS2**
Sample Depth			**9.5 - 10.4 ft**	**7 - 8 ft**	**5 - 6 ft**	**5.5 - 6 ft**	**11.4 - 11.9 ft**	**0.5 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**0.5 - 4 ft**	**0 - 4 ft**	**8 - 10 ft**	**10 - 14 ft**	**2 - 8 ft**	**0 - 2 ft**	**0 - 2 ft**
Sampling Company			**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**STANTEC**	**STANTEC**
Laboratory			**CCGE**	**CCGE**	**CCGE**	**CCGE**	**CCGE**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**CCGE**	**CCGE**
Laboratory Work Order			**E1976**	**E1976**	**E1976**	**E1976**	**E1976**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**E2101**	**E2101**
Laboratory Sample ID			**E1976-01**	**E1976-02**	**E1976-04**	**E1976-07**	**E1976-08**	**6177**	**6178**	**6173**	**6174**	**6172**	**6171**	**6169**	**6170**	**6168**	**6167**	**E2101-10**	**E2101-11**
Sample Type	**Units**	**NYSDEC[1,2]**																	
Semi - Volatile Organic Compounds (continued)																			
Hexachloroethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Indeno(1,2,3-cd)pyrene	µg/kg	500_g^{AG} 8200^B 500_a^C	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U J***	***39000 U J***
Isophorone	µg/kg	100000_b^A 1000000_d^B 100000_a^C 4400^E	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Methylnaphthalene, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 36400^E	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	***39000 U***
Naphthalene	µg/kg	100000_b^A 12000^{BCFG}	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Nitroaniline, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 400^E	390 U	400 U	390 U	390 U	370 U	***789 U J***	***822 U J***	***845 U J***	***787 U J***	-	-	***842 U J***	***803 U J***	***814 U J***	***826 U J***	***35500 U***	***39000 U***
Nitroaniline, 3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 500^E	390 U	400 U	390 U	390 U	370 U	***789 U J***	***822 U J***	***845 U J***	***787 U J***	-	-	***842 U J***	***803 U J***	***814 U J***	***826 U J***	***35500 U***	***39000 U***
Nitroaniline, 4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	390 U	400 U	390 U	390 U	370 U	789 U J	822 U J	845 U J	787 U J	-	-	842 U J	803 U J	814 U J	826 U J	35500 U	39000 U
Nitrobenzene	µg/kg	100000_b^A 1000000_d^B 100000_a^C 15000^D 170_b^E	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	***315 U J***	***329 U J***	***338 U J***	***315 U J***	-	-	***337 U J***	***321 U J***	***326 U J***	***330 U J***	***35500 U***	***39000 U***
Nitrophenol, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 300^E	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	***315 U J***	***329 U J***	***338 U J***	***315 U J***	-	-	***337 U J***	***321 U J***	***326 U J***	***330 U J***	***35500 U***	***39000 U***
Nitrophenol, 4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 100^E	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	***789 U J***	***822 U J***	***845 U J***	***787 U J***	-	-	***842 U J***	***803 U J***	***814 U J***	***826 U J***	***35500 U***	***39000 U***
N-Nitrosodimethylamine (NDMA)	µg/kg	n/v	-	-	-	-	-	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	-	-
N-Nitrosodi-n-Propylamine	µg/kg	100000_b^A 1000000_d^B 100000_a^C	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
n-Nitrosodiphenylamine	µg/kg	100000_b^A 1000000_d^B 100000_a^C	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Pentachlorophenol	µg/kg	6700^A 800_b^B 800_m^C	390 U	400 U	390 U	390 U	370 U	789 U J	***822 U J***	***845 U J***	787 U J	-	-	***842 U J***	***803 U J***	***814 U J***	***826 U J***	***35500 U***	***39000 U***
Phenanthrene	µg/kg	100000_b^{ACG} 1000000_d^B	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Phenol	µg/kg	100000_b^A 330_j^B 330_m^C	***390 U***	***400 U***	***390 U Q***	***390 U Q***	***370 U Q***	315 U J	329 U J	***338 U J***	315 U J	-	-	***337 U J***	321 U J	326 U J	330 U J	***35500 U***	***39000 U***
Pyrene	µg/kg	100000_b^{ACG} 1000000_d^B	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U J	39000 U J
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	390 U	400 U	390 U	390 U	370 U	-	-	-	-	-	-	-	-	-	-	35500 U	39000 U
Trichlorobenzene, 1,2,4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 3400^E	-	-	-	-	-	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	-	-
Trichlorophenol, 2,4,5-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 100^E	***390 U***	***400 U***	***390 U***	***390 U***	***370 U***	***789 U J***	***822 U J***	***845 U J***	***787 U J***	-	-	***842 U J***	***803 U J***	***814 U J***	***826 U J***	***35500 U***	***39000 U***
Trichlorophenol, 2,4,6-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	390 U	400 U	390 U	390 U	370 U	315 U J	329 U J	338 U J	315 U J	-	-	337 U J	321 U J	326 U J	330 U J	35500 U	39000 U
Total SVOC TICs	µg/kg	n/v	27650 A B J	27790 A B J	23810 A B J	26230 A B J	24670 A B J	-	-	-	-	-	-	-	-	-	-	7900.000 J	9500.000 J
Volatile Organic Compounds																			
Acetone	µg/kg	100000_b^A 50^{BC}	29.5 U	30.6 U	29.5 U	29.6 U	28.5 U	34.8 U J	35.1 U J	***51.6 U J***	**69.7 J[BC]**	-	-	40.4 U J	42.2 J	29.2 U J	43.1 U J	-	-
Benzene	µg/kg	4800^A 60^{BCFG}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Bromodichloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Bromoform (Tribromomethane)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	17.4 U J	17.5 U J	25.8 U J	17.3 U J	-	-	20.2 U J	14.9 U J	14.6 U J	21.5 U J	-	-
Bromomethane (Methyl bromide)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Carbon Disulfide	µg/kg	100000_b^A 1000000_d^B 100000_a^C 2700^E	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400^A 760^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Chlorobenzene (Monochlorobenzene)	µg/kg	100000_b^A 1100^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Chlorobromomethane	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 1900^E	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Chloroethyl Vinyl Ether, 2-	µg/kg	n/v	-	-	-	-	-	34.8 U J	35.1 U J	51.6 U J	34.6 U J	-	-	40.4 U J	29.8 U J	29.2 U J	43.1 U J	-	-
Chloroform (Trichloromethane)	µg/kg	49000^A 370^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Chloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Cyclohexane	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichlorobenzene, 1,2-	µg/kg	100000_b^A 1100^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichlorobenzene, 1,3-	µg/kg	49000^A 2400^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichlorobenzene, 1,4-	µg/kg	13000^A 1800^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/kg	26000^A 270^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichloroethane, 1,2-	µg/kg	3100^A 20_g^B 20_m^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichloroethene, 1,1-	µg/kg	100000_b^A 330^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichloroethylene, cis-1,2-	µg/kg	100000_b^A 250^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichloroethylene, trans-1,2-	µg/kg	100000_b^A 190^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichloropropane, 1,2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichloropropene, cis-1,3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dichloropropene, trans-1,3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U Q	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Dioxane, 1,4-	µg/kg	13000^A 100_j^B 100_m^C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/kg	41000^A 1000^{BCFG}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Parking Lot																	
Sample Location			**B101MW**	**B102MW**	**B103**	**B104**	**B105**	**B-11**		**B-12**		**B-13**	**B-14**	**B-15**		**B-16**		**LI-SS1**	**LI-SS2**
Sample Date			**22-Apr-13**	**22-Apr-13**	**24-Apr-13**	**24-Apr-13**	**24-Apr-13**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**4-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**3-May-11**	**6-May-13**	**6-May-13**
Sample ID			**LI-B101MW-1S**	**LI-B102MW-1S**	**LI-B103-1S**	**LI-B104-1S**	**LI-B105-1S**	**B-11 0.5-4 ft**	**B-11 8-10 ft**	**B-12 0-4 ft**	**B-12 8-10 ft**	**B-13 0-4 ft**	**B-14 0.5-4 ft**	**B-15 0-4 ft**	**B-15 8-10 ft**	**B-16 10-14 ft**	**B-16 2-8 ft**	**LI-SS1**	**LI-SS2**
Sample Depth			**9.5 - 10.4 ft**	**7 - 8 ft**	**5 - 6 ft**	**5.5 - 6 ft**	**11.4 - 11.9 ft**	**0.5 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**8 - 10 ft**	**0 - 4 ft**	**0.5 - 4 ft**	**0 - 4 ft**	**8 - 10 ft**	**10 - 14 ft**	**2 - 8 ft**	**0 - 2 ft**	**0 - 2 ft**
Sampling Company			**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**DECI**	**STANTEC**	**STANTEC**
Laboratory			**CCGE**	**CCGE**	**CCGE**	**CCGE**	**CCGE**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**PARAROCH**	**CCGE**	**CCGE**
Laboratory Work Order			**E1976**	**E1976**	**E1976**	**E1976**	**E1976**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**11:1825**	**E2101**	**E2101**
Laboratory Sample ID			**E1976-01**	**E1976-02**	**E1976-04**	**E1976-07**	**E1976-08**	**6177**	**6178**	**6173**	**6174**	**6172**	**6171**	**6169**	**6170**	**6168**	**6167**	**E2101-10**	**E2101-11**
Sample Type	**Units**	**NYSDEC[1,2]**																	
Volatile Organic Compounds (continued)																			
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	29.5 U	30.6 U	29.5 U	29.6 U	28.5 U	17.4 U J	17.5 U J	25.8 U J	17.3 U J	-	-	20.2 U J	14.9 U J	14.6 U J	21.5 U J	-	-
Isopropylbenzene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 2300^{EFG}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	µg/kg	100000_b[A] 120^{BC} 300^{E}	29.5 U	30.6 U	29.5 U	29.6 U	28.5 U	34.8 U J	35.1 U J	51.6 U J	34.6 U J	-	-	40.4 U J	29.8 U J	29.2 U J	43.1 U J	-	-
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 1000^{E}	29.5 U	30.6 U	29.5 U	29.6 U	28.5 U	17.4 U J	17.5 U J	25.8 U J	17.3 U J	-	-	20.2 U J	14.9 U J	14.6 U J	21.5 U J	-	-
Methyl tert-butyl ether (MTBE)	µg/kg	100000_b[A] 930^{BCF}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Methylcyclohexane	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/kg	100000_b[A] 50^{BC}	1.7 J	6.1 U	5.9 U	5.9 U	5.7 U	17.4 U J	17.5 U J	25.8 U J	17.3 U J	-	-	20.2 U J	14.9 U J	14.6 U J	21.5 U J	-	-
Styrene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	17.4 U J	17.5 U J	25.8 U J	17.3 U J	-	-	20.2 U J	14.9 U J	14.6 U J	21.5 U J	-	-
Tetrachloroethane, 1,1,2,2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 600^{E}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Tetrachloroethylene (PCE)	µg/kg	19000^{A} 1300^{BC}	5.9 U	6.1 U	3 J	5.9 U	2.3 J	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Toluene	µg/kg	100000_b[A] 700^{BCFG}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Trichlorobenzene, 1,2,3-	µg/kg	n/v	5.9 U J	6.1 U J	5.9 U J	5.9 U J	5.7 U J	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 3400^{E}	5.9 U J	6.1 U J	5.9 U J	5.9 U J	5.7 U J	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/kg	100000_b[A] 680^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Trichloroethane, 1,1,2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Trichloroethylene (TCE)	µg/kg	21000^{A} 470^{BC}	5.9 U	6.1 U	1.7 J	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 6000^{E}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/kg	n/v	-	-	-	-	-	17.4 U J	17.5 U J	25.8 U J	17.3 U J	-	-	20.2 U J	14.9 U J	14.6 U J	21.5 U J	-	-
Vinyl chloride	µg/kg	900^{A} 20^{BC}	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Xylene, m & p-	µg/kg	$100000_{b,p}$[A] 1600_p[B] 260_p[C]	11.8 U	12.2 U	11.8 U	11.8 U	11.4 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Xylene, o-	µg/kg	$100000_{b,p}$[A] 1600_p[B] 260_p[C]	5.9 U	6.1 U	5.9 U	5.9 U	5.7 U	6.97 U J	7.01 U J	10.3 U J	6.93 U J	-	-	8.08 U J	5.95 U J	5.85 U J	8.61 U J	-	-
Total VOC TICs	µg/kg	n/v	2.9 U	3.1 U	2.9 U	3 U	2.9 U	-	-	-	-	-	-	-	-	-	-	-	-
Herbicides																			
2,4,5-TP (Silvex)	µg/kg	100000_b[A] 3800^{BC}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorophenoxy acetic acid, 2,4- (2,4-D)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 500^{E}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorophenoxy acetic acid, 2,4,5- (2,4,5-T)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 1900^{E}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot		On-Site Building														
			LI-SS3		001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7	B-8	B-9	B106MW	B107		B108MW	B109	E08-1&2 EAST WALL
Sample Date			7-May-13	7-May-13	5-Jun-12	5-Jun-12	5-Jun-12	5-Jun-12	17-Jun-12	17-Jun-12	23-Dec-10	23-Dec-10	23-Dec-10	2-May-13	2-May-13	2-May-13	3-May-13	3-May-13	2-Aug-12
Sample ID			LI-SS3	LI-SS3	001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7 (S013)	B-8 (S014)	B-9 (S015)	LI-B106-S1	LI-B107-S1	LI-B107-S1-FD	LI-B108-S1	LI-B109-S1	E08-1&2 EAST WALL
Sample Depth			0 - 2 ft	0 - 2 ft										1 - 1.5 ft	1.5 - 2 ft	1.5 - 2 ft	1 - 2 ft	1 - 2 ft	
Sampling Company			STANTEC	STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI
Laboratory			CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	CCGE	CCGE	CCGE	CCGE	PARAROCH
Laboratory Work Order			E2101	E2101	12:2362	12:2362	12:2362	12:2362	12:2593	12:2593	10:5252	10:5252	10:5252	E2101	E2101	E2101	E2101	E2101	12:3240
Laboratory Sample ID			E2101-12	E2101-12RE	12:2362-01	12:2362-02	12:2362-03	12:2362-04	12:2593-01	12:2593-02	16402	16403	16404	E2101-01	E2101-02	E2101-09	E2101-05	E2101-06	12:3240-09
Sample Type	Units	NYSDEC[1,2]														Field Duplicate			
Metals																			
Aluminum	mg/kg	$_{NS}^{AC}$ 10000$_d^B$ 10000$_a^E$	6250 J	-	-	-	-	-	-	-	3980	3920	5300	2880 J	-	3440 J	2960 J	-	3110
Antimony	mg/kg	$_{NS}^{AC}$ 10000$_d^B$ 10000$_a^E$	12.5 J	-	-	-	-	-	-	-	4.83 U	6.23 U	4.51 U	2.440 U J	-	1.310 U J	2.350 U J	-	6.12 U
Arsenic	mg/kg	16$_g^{AB}$ 13$_n^C$	12.1	-	-	-	-	-	-	-	1.46	1.15	0.375 U	2.05	-	1.59	1.56	-	1.73
Barium	mg/kg	400^A 820^B 350$_n^C$	269	-	-	-	-	-	-	-	27.7	26.5	108	21.6	-	17.6	22.6	-	24.0
Beryllium	mg/kg	72^A 47^B 7.2^C	0.45	-	-	-	-	-	-	-	0.403 U	0.519 U	0.375 U	0.29 U	-	0.08 J	0.28 U	-	0.511 U
Cadmium	mg/kg	4.3^A 7.5^B 2.5$_n^C$	1.66	-	-	-	-	-	-	-	0.403 U	0.519 U	0.375 U	0.29 U	-	0.16 U	0.28 U	-	0.511 U
Calcium	mg/kg	$_{NS}^{AC}$ 10000$_d^B$ 10000$_a^E$	**26600 J^{BE}**	-	-	-	-	-	-	-	**51500^{BE}**	**42200^{BE}**	**71700^{BE}**	**44100 J^{BE}**	-	**38700 J^{BE}**	**40400 J^{BE}**	-	**60700^{BE}**
Chromium (Total)	mg/kg	$_{NS,q}^{ABC}$	35	-	-	-	-	-	-	-	6.66	5.86	8.35	3.93	-	5.23	4.22	-	5.06
Cobalt	mg/kg	$_{NS}^{AC}$ 10000$_d^B$ 10000$_a^E$	7.6	-	-	-	-	-	-	-	3.41	3.47	5.14	3.21	-	3.68	2.23	-	5.11 U
Copper	mg/kg	270^A 1720^B 50^C	**674^{AC}**	-	-	-	-	-	-	-	0.804 U	7.26	**5520^{ABC}**	5.78	-	5.34	3.26	-	6.93
Iron	mg/kg	$_{NS}^{AC}$ 10000$_d^B$ 10000$_a^E$	**33200^{BE}**	-	-	-	-	-	-	-	9480	8740	**14400^{BE}**	**10500^{BE}**	-	**11700^{BE}**	**10800^{BE}**	-	8510
Lead	mg/kg	400^A 450^B 63$_n^C$	**1180^{ABC}**	-	-	-	-	-	-	-	3.35	4.21	37.2	3.54	-	3.89	3.36	-	6.76
Magnesium	mg/kg	$_{NS}^{AC}$ 10000$_d^B$	**12900 J^B**	-	-	-	-	-	-	-	9700	8560	**11300^B**	9850 J	-	8760 J	9650 J	-	**13800^B**
Manganese	mg/kg	2000$_g^{AB}$ 1600$_n^C$	481 J	-	-	-	-	-	-	-	298	322	402	287 J	-	300 J	240 J	-	294
Mercury	mg/kg	0.81$_k^A$ 0.73^B 0.18$_n^C$	**0.758 D^{BC}**	-	-	-	-	-	-	-	0.0161 U	0.0088 U	0.0086 U	0.005 J	-	0.011 U	0.003 J	-	0.0084 U
Nickel	mg/kg	310^A 130^B 30^C	**77^C**	-	-	-	-	-	-	-	7.53	4.15 U	12.3	7.04	-	7.84	6.33	-	5.24
Potassium	mg/kg	$_{NS}^{AC}$ 10000$_d^B$	739 J	-	-	-	-	-	-	-	1090	982	1251	629 J	-	770 J	984 J	-	898
Selenium	mg/kg	180^A 4$_g^B$ 3.9$_n^C$	0.54 U J	-	-	-	-	-	-	-	0.403 U	0.519 U	0.375 U	0.98 U J	-	0.53 U J	0.94 U J	-	1.02 U
Silver	mg/kg	180^A 8.3^B 2^C	**2.35 J^C**	-	-	-	-	-	-	-	0.804 U	1.04 U	0.752 U	0.49 U J	-	0.26 U J	0.47 U J	-	1.02 U
Sodium	mg/kg	$_{NS}^{AC}$ 10000$_d^B$	54.2 U	-	-	-	-	-	-	-	140	146	546	96.1 J	-	64.4	71.9 J	-	255 U
Thallium	mg/kg	$_{NS}^{AC}$ 10000$_d^B$ 10000$_a^E$	0.96 J	-	-	-	-	-	-	-	0.483 U	0.623 U	0.451 U	0.49 J	-	1.050 U	0.44 J	-	2.55 U
Vanadium	mg/kg	$_{NS}^{AC}$ 10000$_d^B$ 10000$_a^E$	17.2	-	-	-	-	-	-	-	13.5	1.04 U	13.1	8.32	-	11.2	8.71	-	12.9
Zinc	mg/kg	10000$_e^A$ 2480^B 109$_n^C$	**659^C**	-	-	-	-	-	-	-	17.1	17.3	**5790^{BC}**	19.4	-	22.6	22.4	-	18.4
Polychlorinated Biphenyls																			
Aroclor 1016	µg/kg	1000$_o^A$ 3200$_o^B$ 100$_o^C$	18.9 U	18.9 U	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	19.3 U	-	-
Aroclor 1221	µg/kg	1000$_o^A$ 3200$_o^B$ 100$_o^C$	18.9 U	18.9 U	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	19.3 U	-	-
Aroclor 1232	µg/kg	1000$_o^A$ 3200$_o^B$ 100$_o^C$	18.9 U	18.9 U	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	19.3 U	-	-
Aroclor 1242	µg/kg	1000$_o^A$ 3200$_o^B$ 100$_o^C$	18.9 U	18.9 U	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	19.3 U	-	-
Aroclor 1248	µg/kg	1000$_o^A$ 3200$_o^B$ 100$_o^C$	18.9 U	18.9 U	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	19.3 U	-	-
Aroclor 1254	µg/kg	1000$_o^A$ 3200$_o^B$ 100$_o^C$	18.9 U	18.9 U	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	19.3 U	-	-
Aroclor 1260	µg/kg	1000$_o^A$ 3200$_o^B$ 100$_o^C$	**130^C**	**160^C**	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	41	-	-
Pesticides																			
Aldrin	µg/kg	97^A 190^B 5$_n^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Atrazine	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
BHC, alpha-	µg/kg	480^A 20^{BC}	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
BHC, beta-	µg/kg	360^A 90^B 36^C	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
BHC, delta-	µg/kg	100000$_b^A$ 250^B 40$_n^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Camphechlor (Toxaphene)	µg/kg	100000$_b^A$ 1000000$_d^B$ 100000$_a^C$	18.9 U	-	-	-	-	-	-	-	-	-	-	19.2 U	-	18.9 U	19.3 U	-	-
Chlordane, alpha-	µg/kg	4200^A 2900^B 94^C	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Chlordane, gamma-	µg/kg	100000$_b^A$ 1000000$_d^B$ 100000$_a^C$ 14000^E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, trans-	µg/kg	n/v	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
DDD (p,p'-DDD)	µg/kg	13000^A 14000^B 3.3$_m^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
DDE (p,p'-DDE)	µg/kg	8900^A 17000^B 3.3$_m^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
DDT (p,p'-DDT)	µg/kg	7900^A 136000^B 3.3$_m^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Dieldrin	µg/kg	200^A 100^B 5$_n^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Endosulfan I	µg/kg	24000$_j^A$ 102000^B 2400$_j^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Endosulfan II	µg/kg	24000$_j^A$ 102000^B 2400$_j^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Endosulfan Sulfate	µg/kg	24000$_j^A$ 1000000$_d^B$ 2400$_j^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Endrin	µg/kg	11000^A 60^B 14^C	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Endrin Aldehyde	µg/kg	100000$_b^A$ 1000000$_d^B$ 100000$_a^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Endrin Ketone	µg/kg	100000$_b^A$ 1000000$_d^B$ 100000$_a^C$	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Heptachlor	µg/kg	2100^A 380^B 42^C	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Heptachlor Epoxide	µg/kg	100000$_b^A$ 1000000$_d^B$ 100000$_a^C$ 20^E	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300^A 100^{BC}	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b^A$ 1000000$_d^B$ 100000$_a^C$ 900000^E	1.9 U	-	-	-	-	-	-	-	-	-	-	1.9 U	-	1.9 U	1.9 U	-	-

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot		On-Site Building														
			LI-SS3		001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7	B-8	B-9	B106MW	B107		B108MW	B109	E08-1&2 EAST WALL
Sample Date			7-May-13	7-May-13	5-Jun-12	5-Jun-12	5-Jun-12	5-Jun-12	17-Jun-12	17-Jun-12	23-Dec-10	23-Dec-10	23-Dec-10	2-May-13	2-May-13	2-May-13	3-May-13	3-May-13	2-Aug-12
Sample ID			LI-SS3	LI-SS3	001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7 (S013)	B-8 (S014)	B-9 (S015)	LI-B106-S1	LI-B107-S1	LI-B107-S1-FD	LI-B108-S1	LI-B109-S1	E08-1&2 EAST WALL
Sample Depth			0 - 2 ft	0 - 2 ft										1 - 1.5 ft	1.5 - 2 ft	1.5 - 2 ft	1 - 2 ft	1 - 2 ft	
Sampling Company			STANTEC	STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI
Laboratory			CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	CCGE	CCGE	CCGE	CCGE	PARAROCH
Laboratory Work Order			E2101	E2101	12:2362	12:2362	12:2362	12:2362	12:2593	12:2593	10:5252	10:5252	10:5252	E2101	E2101	E2101	E2101	E2101	12:3240
Laboratory Sample ID			E2101-12	E2101-12RE	12:2362-01	12:2362-02	12:2362-03	12:2362-04	12:2593-01	12:2593-02	16402	16403	16404	E2101-01	E2101-02	E2101-09	E2101-05	E2101-06	12:3240-09
Sample Type	Units	NYSDEC[1,2]														Field Duplicate			
Semi - Volatile Organic Compounds																			
3+4-Methylphenols	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Acenaphthene	µg/kg	100000_b[A] 98000[E] 20000[CG]	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Acenaphthylene	µg/kg	100000_b[AG] 107000[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Acetophenone	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Aniline	µg/kg	100000_b[A] 1000000_d[B] 100000_a[CD] 330_b[E]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	323 U
Anthracene	µg/kg	100000_b[AG] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Benzaldehyde	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Benzidine	µg/kg	n/v	-	-	-	-	-	-	-	-	820 U	333 U	808 U	-	-	-	-	-	807 U
Benzo(a)anthracene	µg/kg	1000_g[ABG] 1000_n[C]	***36600 U J***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U J	370 U J	370 U J	370 U	370 U	323 U
Benzo(a)pyrene	µg/kg	1000_g[AG] 22000[E] 1000_n[C]	***36600 U J***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Benzo(b)fluoranthene	µg/kg	1000_g[AG] 1700[B] 1000_n[C]	***36600 U J***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Benzo(g,h,i)perylene	µg/kg	100000_a[ACG] 1000000_d[B]	36600 U J	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Benzo(k)fluoranthene	µg/kg	3900[A] 1700[B] 800_n[CG]	***36600 U J***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Benzoic acid	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 2700[E]	-	-	-	-	-	-	-	-	820 U	833 U	808 U	-	-	-	-	-	807 U
Benzyl Alcohol	µg/kg	n/v	-	-	-	-	-	-	-	-	820 U	833 U	808 U	-	-	-	-	-	807 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Bis(2-Chloroethoxy)methane	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Bis(2-Chloroethyl)ether	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	-	-	-	-	-	-	-	-	328 U	333 U	323 U	-	-	-	-	-	323 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 435000[E]	36600 U J	-	-	-	-	-	-	-	328 U	333 U	472	370 U J	370 U J	370 U J	550	370 U	323 U
Bromophenyl Phenyl Ether, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Butyl Benzyl Phthalate	µg/kg	$_{NS}$[AC] 1000000_d[B] 122000[E]	36600 U J	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U J	370 U J	370 U J	370 U	370 U	323 U
Caprolactam	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Carbazole	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Chloro-3-methyl phenol, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Chloroaniline, 4-	µg/kg	$_{NS}$[AC] 1000000_d[B] 220[E]	***36600 U***	-	-	-	-	-	-	-	***328 U***	***333 U***	***323 U***	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	***323 U***
Chloronaphthalene, 2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Chrysene	µg/kg	3900[A] 1000_g[BG] 1000_n[C]	***36600 U J***	-	-	-	-	-	-	-	328 U	333 U	323 U	250 NJ	390 NJ	340 NJ	170 NJ	370 U	323 U
Cresol, m- (Methylphenol, 3-)	µg/kg	100000_b[A] 330_i[B] 330_m[C]	-	-	-	-	-	-	-	-	328 U	***333 U***	323 U	-	-	-	-	-	323 U
Cresol, o- (Methylphenol, 2-)	µg/kg	100000_b[A] 330_i[B] 330_m[C]	***36600 U***	-	-	-	-	-	-	-	328 U	***333 U***	323 U	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	323 U
Dibenzo(a,h)anthracene	µg/kg	330_i[AG] 1000000_d[B] 330_m[C]	***36600 U J***	-	-	-	-	-	-	-	328 U	***333 U***	323 U	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	323 U
Dibenzofuran	µg/kg	59000[A] 210000[B] 7000[C] 6200[E]	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Dibutyl Phthalate (DBP)	µg/kg	$_{NS}$[AC] 1000000_d[B] 8100[E]	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Dichlorobenzene, 1,2-	µg/kg	100000_b[A] 1100[BC]	-	-	-	-	-	-	-	-	328 U	333 U	323 U	-	-	-	-	-	323 U
Dichlorobenzene, 1,3-	µg/kg	49000[A] 2400[BC]	-	-	-	-	-	-	-	-	328 U	333 U	323 U	-	-	-	-	-	323 U
Dichlorobenzene, 1,4-	µg/kg	13000[A] 1800[BC]	-	-	-	-	-	-	-	-	328 U	333 U	323 U	-	-	-	-	-	323 U
Dichlorobenzidine, 3,3'-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U J	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U J	370 U J	370 U J	370 U	370 U	323 U
Dichlorophenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 400[E]	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Dichlorophenol, 2,6-	µg/kg	n/v	-	-	-	-	-	-	-	-	328 U	333 U	323 U	-	-	-	-	-	323 U
Diethyl Phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 7100[E]	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	170 J	370 U	323 U
Dimethyl Phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 27000[E]	***36600 U***	-	-	-	-	-	-	-	820 U	833 U	808 U	250 J	230 J	270 J	230 J	190 J	807 U
Dimethylphenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Dinitro-o-cresol, 4,6-	µg/kg	100000_a[A] 1000000_d[B] 100000_a[C]	36600 U J	-	-	-	-	-	-	-	820 U	833 U	808 U	370 U	370 U	370 U	370 U	370 U J	807 U
Dinitrophenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 200[E]	***36600 U J***	-	-	-	-	-	-	-	***820 U***	***833 U***	***808 U***	***370 U J***	***370 U J***	***370 U J***	***370 U J***	***920 U J***	***807 U***
Dinitrotoluene, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Dinitrotoluene, 2,6-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] $1000/170_{b,11}$[E]	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Di-n-Octyl phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 120000[E]	36600 U J	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U J	370 U J	370 U J	370 U	370 U	323 U
Fluoranthene	µg/kg	100000_b[AG] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	150 J	160 J	190 NJ	370 U	370 U	323 U
Fluorene	µg/kg	100000_b[A] 386000[B] 30000[CG]	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	150 NJ	370 U	370 U	370 U	323 U
Hexachlorobenzene	µg/kg	1200[A] 3200[B] 330_m[C] 1400[E]	***36600 U***	-	-	-	-	-	-	-	328 U	***333 U***	323 U	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	323 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Hexachlorocyclopentadiene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U J	370 U J	370 U J	370 U J	370 U	323 U J

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot										On-Site Building								
			LI-SS3		001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7	B-8	B-9	B106MW	B107		B108MW	B109	E08-1&2 EAST WALL
Sample Date			7-May-13	7-May-13	5-Jun-12	5-Jun-12	5-Jun-12	5-Jun-12	17-Jun-12	17-Jun-12	23-Dec-10	23-Dec-10	23-Dec-10	2-May-13	2-May-13	2-May-13	3-May-13	3-May-13	2-Aug-12
Sample ID			LI-SS3	LI-SS3	001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7 (S013)	B-8 (S014)	B-9 (S015)	LI-B106-S1	LI-B107-S1	LI-B107-S1-FD	LI-B108-S1	LI-B109-S1	E08-1&2 EAST WALL
Sample Depth			0 - 2 ft	0 - 2 ft										1 - 1.5 ft	1.5 - 2 ft	1.5 - 2 ft	1 - 2 ft	1 - 2 ft	
Sampling Company			STANTEC	STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI
Laboratory			CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	CCGE	CCGE	CCGE	CCGE	PARAROCH
Laboratory Work Order			E2101	E2101	12:2362	12:2362	12:2362	12:2362	12:2593	12:2593	10:5252	10:5252	10:5252	E2101	E2101	E2101	E2101	E2101	12:3240
Laboratory Sample ID			E2101-12	E2101-12RE	12:2362-01	12:2362-02	12:2362-03	12:2362-04	12:2593-01	12:2593-02	16402	16403	16404	E2101-01	E2101-02	E2101-09	E2101-05	E2101-06	12:3240-09
Sample Type	Units	NYSDEC[1,2]														Field Duplicate			
Semi - Volatile Organic Compounds (continued)																			
Hexachloroethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Indeno(1,2,3-cd)pyrene	µg/kg	500_g^{AG} 8200^B 500_a^C	***36600 U J***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U J	370 U J	370 U J	370 U	370 U	323 U
Isophorone	µg/kg	100000_b^A 1000000_d^B 100000_a^C 4400^E	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Methylnaphthalene, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 36400^E	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	410	170 J	370 U	180 J	370 U	323 U
Naphthalene	µg/kg	100000_b^A 12000^{BCFG}	***36600 U***	-	-	-	-	-	-	-	328 U	333 U	323 U	730	370 U	370 U	1100	370 U	323 U
Nitroaniline, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 400^E	***36600 U***	-	-	-	-	-	-	-	***820 U***	***833 U***	***808 U***	370 U	370 U	370 U	370 U	370 U	***807 U***
Nitroaniline, 3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 500^E	***36600 U***	-	-	-	-	-	-	-	***820 U***	***833 U***	***808 U***	370 U	370 U	370 U	370 U	370 U	***807 U***
Nitroaniline, 4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	36600 U	-	-	-	-	-	-	-	820 U	833 U	808 U	370 U	370 U	370 U	370 U	370 U	807 U
Nitrobenzene	µg/kg	100000_b^A 1000000_d^B 100000_a^C 15000^D 170_b^E	***36600 U***	-	-	-	-	-	-	-	***328 U***	***333 U***	***323 U***	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	***323 U***
Nitrophenol, 2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 300^E	***36600 U***	-	-	-	-	-	-	-	***328 U***	***333 U***	***323 U***	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	***323 U***
Nitrophenol, 4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 100^E	***36600 U***	-	-	-	-	-	-	-	***820 U***	***833 U***	***808 U***	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	***807 U***
N-Nitrosodimethylamine (NDMA)	µg/kg	n/v	-	-	-	-	-	-	-	-	328 U	333 U	323 U	-	-	-	-	-	323 U
N-Nitrosodi-n-Propylamine	µg/kg	100000_b^A 1000000_d^B 100000_a^C	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
n-Nitrosodiphenylamine	µg/kg	100000_b^A 1000000_d^B 100000_a^C	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Pentachlorophenol	µg/kg	6700^A 800_b^B 800_m^C	***36600 U***	-	-	-	-	-	-	-	***820 U***	***833 U***	***808 U***	370 U	370 U	370 U	370 U	370 U J	***807 U***
Phenanthrene	µg/kg	100000_b^{ACG} 1000000_d^B	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	510	820	670	390	370 U	323 U
Phenol	µg/kg	100000_b^A 330_j^B 330_m^C	***36600 U***	-	-	-	-	-	-	-	328 U	***333 U***	323 U	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	323 U
Pyrene	µg/kg	100000_b^{ACG} 1000000_d^B	36600 U J	-	-	-	-	-	-	-	328 U	333 U	323 U	260 J	190 J	270 J	370 U	370 U	323 U
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	36600 U	-	-	-	-	-	-	-	-	-	-	370 U	370 U	370 U	370 U	370 U	-
Trichlorobenzene, 1,2,4-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 3400^E	-	-	-	-	-	-	-	-	328 U	333 U	323 U	-	-	-	-	-	323 U
Trichlorophenol, 2,4,5-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 100^E	***36600 U***	-	-	-	-	-	-	-	***820 U***	***833 U***	***808 U***	***370 U***	***370 U***	***370 U***	***370 U***	***370 U***	***807 U***
Trichlorophenol, 2,4,6-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	36600 U	-	-	-	-	-	-	-	328 U	333 U	323 U	370 U	370 U	370 U	370 U	370 U	323 U
Total SVOC TICs	µg/kg	n/v	3700 U	-	-	-	-	-	-	-	-	-	-	40060 J	39450 J	27170 J	70000 J	3920 A B J	-
Volatile Organic Compounds																			
Acetone	µg/kg	100000_b^A 50^{BC}	-	-	-	-	-	-	-	-	29.4 U	22.8 U	36.7 U	28.1 U	22.4 J	25.3 J	13.7 J	28 U	37.9 U
Benzene	µg/kg	4800^A 60^{BCFG}	-	-	-	-	-	-	-	-	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Bromodichloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Bromoform (Tribromomethane)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	24.8 U	22.5 U J	23.3 U	22.6 U	19.6 U	19.8 U	14.7 U	11.4 U	18.3 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	19.0 U
Bromomethane (Methyl bromide)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Carbon Disulfide	µg/kg	100000_b^A 1000000_d^B 100000_a^C 2700^E	-	-	-	-	-	-	-	-	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	1.3 NJ	5.6 U	7.58 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400^A 760^{BC}	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Chlorobenzene (Monochlorobenzene)	µg/kg	100000_b^A 1100^{BC}	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Chlorobromomethane	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	-
Chloroethane (Ethyl Chloride)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 1900^E	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U J	5.6 U J	5.7 U	5.6 U	7.58 U
Chloroethyl Vinyl Ether, 2-	µg/kg	n/v	-	-	49.7 U	45.1 U J	46.6 U	45.3 U	39.3 U	39.6 U	29.4 U	22.8 U	36.7 U	-	-	-	-	-	37.9 U
Chloroform (Trichloromethane)	µg/kg	49000^A 370^{BC}	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Chloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Cyclohexane	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	180 J D	17.3	20.1	5.7	5.6 U	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	-
Dibromochloromethane	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichlorobenzene, 1,2-	µg/kg	100000_b^A 1100^{BC}	-	-	9.93 U J	9.01 U J	9.33 U J	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichlorobenzene, 1,3-	µg/kg	49000^A 2400^{BC}	-	-	9.93 U J	9.01 U J	9.33 U J	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichlorobenzene, 1,4-	µg/kg	13000^A 1800^{BC}	-	-	9.93 U J	9.01 U J	9.33 U J	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	-
Dichloroethane, 1,1-	µg/kg	26000^A 270^{BC}	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichloroethane, 1,2-	µg/kg	3100^A 20_g^B 20_m^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichloroethene, 1,1-	µg/kg	100000_b^A 330^{BC}	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	1.8 J	5.6 U	7.58 U
Dichloroethylene, cis-1,2-	µg/kg	100000_b^A 250^{BC}	-	-	9.93 U	116 J	97.2 J	18.1	7.85 U	7.92 U	5.87 U	10.9	7.34 U	5.6 U	5.5 U	5.6 U	**810 D[BC]**	2.2 J	7.58 U
Dichloroethylene, trans-1,2-	µg/kg	100000_b^A 190^{BC}	-	-	9.93 U	15.8 J	14.4 J	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	58.2	5.6 U	7.58 U
Dichloropropane, 1,2-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichloropropene, cis-1,3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dichloropropene, trans-1,3-	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Dioxane, 1,4-	µg/kg	13000^A 100_j^B 100_m^C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/kg	41000^A 1000^{BCFG}	-	-	-	-	-	-	-	-	5.87 U	4.57 U	7.34 U	84.7	5.5 U	5.6 U	45 U	5.6 U	7.58 U

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot		On-Site Building														
			LI-SS3		001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7	B-8	B-9	B106MW	B107		B108MW	B109	E08-1&2 EAST WALL
Sample Date			7-May-13	7-May-13	5-Jun-12	5-Jun-12	5-Jun-12	5-Jun-12	17-Jun-12	17-Jun-12	23-Dec-10	23-Dec-10	23-Dec-10	2-May-13	2-May-13	2-May-13	3-May-13	3-May-13	2-Aug-12
Sample ID			LI-SS3	LI-SS3	001 SW Corner	002 W Center	003 NW Corner	004 North Center	008	009	B-7 (S013)	B-8 (S014)	B-9 (S015)	LI-B106-S1	LI-B107-S1	LI-B107-S1-FD	LI-B108-S1	LI-B109-S1	E08-1&2 EAST WALL
Sample Depth			0 - 2 ft	0 - 2 ft										1 - 1.5 ft	1.5 - 2 ft	1.5 - 2 ft	1 - 2 ft	1 - 2 ft	
Sampling Company			STANTEC	STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI
Laboratory			CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	CCGE	CCGE	CCGE	CCGE	PARAROCH
Laboratory Work Order			E2101	E2101	12:2362	12:2362	12:2362	12:2362	12:2593	12:2593	10:5252	10:5252	10:5252	E2101	E2101	E2101	E2101	E2101	12:3240
Laboratory Sample ID			E2101-12	E2101-12RE	12:2362-01	12:2362-02	12:2362-03	12:2362-04	12:2593-01	12:2593-02	16402	16403	16404	E2101-01	E2101-02	E2101-09	E2101-05	E2101-06	12:3240-09
Sample Type	Units	NYSDEC[1,2]														Field Duplicate			
Volatile Organic Compounds (continued)																			
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	-	-	-	-	-	-	-	-	14.7 U	11.4 U	18.3 U	28.1 U	27.7 U	27.9 U	28.6 U	28 U	19.0 U
Isopropylbenzene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 2300[EFG]	-	-	-	-	-	-	-	-	-	-	-	71.9	5.8	7.5	120	5.6 U	-
Methyl Acetate	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	-
Methyl Ethyl Ketone (MEK)	µg/kg	100000_b[A] 120[BC] 300[E]	-	-	-	-	-	-	-	-	29.4 U	22.8 U	36.7 U	28.1 U	27.7 U	27.9 U	28.6 U	28 U	37.9 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 1000[E]	-	-	-	-	-	-	-	-	14.7 U	11.4 U	18.3 U	28.1 U	27.7 U	27.9 U	28.6 U	28 U	19.0 U
Methyl tert-butyl ether (MTBE)	µg/kg	100000_b[A] 930[BCF]	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	-
Methylcyclohexane	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	5000 D	130	130	55.7	5.6 U	-
Methylene Chloride (Dichloromethane)	µg/kg	100000_b[A] 50[BC]	-	-	24.8 U	22.5 U J	23.3 U	22.6 U	19.6 U	19.8 U	14.7 U	11.4 U	18.3 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	19.0 U
Styrene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	-	-	-	-	-	-	-	-	14.7 U	11.4 U	18.3 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	19.0 U
Tetrachloroethane, 1,1,2,2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 600[E]	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Tetrachloroethylene (PCE)	µg/kg	19000[A] 1300[BC]	-	-	39.3	9.01 U J	44.2 J	12.6	32.2	132	24.4	4.57 U	22.2	5.6 U	5.5 U	5.6 U	410 J D	5.6 U	7.58 U
Toluene	µg/kg	100000_b[A] 700[BCFG]	-	-	-	-	-	-	-	-	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	32.2	5.6 U	7.58 U
Trichlorobenzene, 1,2,3-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	5.6 U J	5.5 U Q	5.6 U Q	5.7 U J	5.6 U J	-
Trichlorobenzene, 1,2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 3400[E]	-	-	-	-	-	-	-	-	-	-	-	5.6 U J	5.5 U	5.6 U	5.7 U J	5.6 U J	-
Trichloroethane, 1,1,1-	µg/kg	100000_b[A] 680[BC]	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Trichloroethane, 1,1,2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Trichloroethylene (TCE)	µg/kg	21000[A] 470[BC]	-	-	168	374 J	153 J	50.5	7.85 U	7.92 U	6.08	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	18.9	3.7 J	7.58 U
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	7.58 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 6000[E]	-	-	-	-	-	-	-	-	-	-	-	5.6 U	5.5 U	5.6 U	5.7 U	5.6 U	-
Vinyl Acetate	µg/kg	n/v	-	-	-	-	-	-	-	-	14.7 U	11.4 U	18.3 U	-	-	-	-	-	19.0 U
Vinyl chloride	µg/kg	900[A] 20[BC]	-	-	9.93 U	9.01 U J	9.33 U	9.05 U	7.85 U	7.92 U	5.87 U	4.57 U	7.34 U	5.6 U	5.5 U	5.6 U	1.6 J	5.6 U	7.58 U
Xylene, m & p-	µg/kg	$100000_{b,p}$[A] 1600_p[B] 260_p[C]	-	-	-	-	-	-	-	-	5.87 U	4.57 U	7.34 U	**280[C]**	12	13.4	130 NJ	11.2 U	7.58 U
Xylene, o-	µg/kg	$100000_{b,p}$[A] 1600_p[B] 260_p[C]	-	-	-	-	-	-	-	-	5.87 U	4.57 U	7.34 U	6.2 NJ	5.5 U	5.6 U	120 U	5.6 U	7.58 U
Total VOC TICs	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	7818.8 J	1300.4 J	1875 J	16417.1 J	2.8 U	-
Herbicides																			
2,4,5-TP (Silvex)	µg/kg	100000_b[A] 3800[BC]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorophenoxy acetic acid, 2,4- (2,4-D)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 500[E]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorophenoxy acetic acid, 2,4,5- (2,4,5-T)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 1900[E]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Building									North Room Addition		
Sample Location			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	SEDIMENT TANK		W06-1&2 WEST WALL	SB-5	SB-9	SB-10
Sample Date			3-May-13	14-Jun-12	2-Aug-12	8-Jun-12	8-Jun-12	2-Aug-12	2-Aug-12	2-Aug-12	2-Aug-12	10-Dec-12	10-Dec-12	10-Dec-12
Sample ID			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	01-1 SEDIMENT TANK	01-2 SEDIMENT TANK	W06-1&2 WEST WALL	B-5-6.8	B-9-7.0	B-10-7.0
Sample Depth			1.5 - 2 ft									6.8 ft	7 ft	7 ft
Sampling Company			STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC
Laboratory			CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CTECH	CTECH	CTECH
Laboratory Work Order			E2101	12:2524	12:3240	12:2432	12:2432	12:3240	12:3240	12:3240	12:3240	D5130	D5130	D5130
Laboratory Sample ID			E2101-07	12:2524-01	12:3240-06	12:2432-01	12:2432-02	12:3240-08	12:3240-01	12:3240-02	12:3240-07	D5130-01	D5130-02	D5130-05
Sample Type	**Units**	**NYSDEC[1,2]**												
Metals														
Aluminum	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	-	-	2990	-	-	4490	1440	1550	3180	-	-	-
Antimony	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	-	-	7.14 U	-	-	7.17 U	7.46 U	7.31 U	6.15 U	-	-	-
Arsenic	mg/kg	16_g^{AB} 13_n^C	-	-	1.51	-	-	2.43	2.60	2.60	2.18	-	-	-
Barium	mg/kg	400^A 820^B 350_n^C	-	-	22.7	-	-	37.9	32.2	17.5	22.7	-	-	-
Beryllium	mg/kg	72^A 47^B 7.2^C	-	-	0.595 U	-	-	0.598 U	0.622 U	0.609 U	0.512 U	-	-	-
Cadmium	mg/kg	4.3^A 7.5^B 2.5_n^C	-	-	0.595 U	-	-	0.598 U	0.622 U	0.609 U	0.512 U	-	-	-
Calcium	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	-	-	**35500[RE]**	-	-	**48800[RE]**	8050	**10800[RE]**	**51000[RE]**	-	-	-
Chromium (Total)	mg/kg	$_{NS,q}^{ABC}$	-	-	4.75	-	-	6.03	7.71	4.44	5.69	-	-	-
Cobalt	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	-	-	5.95 U	-	-	5.98 U	6.22 U	6.09 U	5.12 U	-	-	-
Copper	mg/kg	270^A 1720^B 50^C	-	-	7.76	-	-	15.9	**102[C]**	**105[C]**	13.9	-	-	-
Iron	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	-	-	7760	-	-	8600	**10100[RE]**	**15100[RE]**	9740	-	-	-
Lead	mg/kg	400^A 450^B 63_n^C	-	-	7.17	-	-	27.2	**219[C]**	61.7	8.30	-	-	-
Magnesium	mg/kg	$_{NS}^{AC}$ 10000_d^B	-	-	8510	-	-	8450	1320	2870	**10700[B]**	-	-	-
Manganese	mg/kg	2000_g^{AB} 1600_n^C	-	-	274	-	-	326	95.5	112	355	-	-	-
Mercury	mg/kg	0.81_q^A 0.73^B 0.18_n^C	-	-	0.0098 U	-	-	0.0197	0.0102 U	0.0314	0.0080 U	-	-	-
Nickel	mg/kg	310^A 130^B 30^C	-	-	5.57	-	-	6.99	28.5	13.4	6.77	-	-	-
Potassium	mg/kg	$_{NS}^{AC}$ 10000_d^B	-	-	834	-	-	796	310 U	305 U	1040	-	-	-
Selenium	mg/kg	180^A 4_g^B 3.9_n^C	-	-	1.19 U	-	-	1.19 U	1.24 U	1.22 U	1.02 U	-	-	-
Silver	mg/kg	180^A 8.3^B 2^C	-	-	1.19 U	-	-	1.19 U	1.24 U	1.22 U	1.02 U	-	-	-
Sodium	mg/kg	$_{NS}^{AC}$ 10000_d^B	-	-	297 U	-	-	298 U	310 U	305 U	257 U	-	-	-
Thallium	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	-	-	2.97 U	-	-	2.98 U	3.10 U	3.05 U	2.57 U	-	-	-
Vanadium	mg/kg	$_{NS}^{AC}$ 10000_d^B 10000_a^E	-	-	10.7	-	-	11.8	3.60	3.05 U	11.6	-	-	-
Zinc	mg/kg	10000_e^A 2480^B 109_n^C	-	-	33.2	-	-	30.6	**180[C]**	**122[C]**	33.4	-	-	-
Polychlorinated Biphenyls														
Aroclor 1016	µg/kg	1000_o^A 3200_n^B 100_o^C	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	µg/kg	1000_o^A 3200_n^B 100_o^C	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	µg/kg	1000_o^A 3200_n^B 100_o^C	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	µg/kg	1000_o^A 3200_n^B 100_o^C	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	µg/kg	1000_o^A 3200_n^B 100_o^C	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	µg/kg	1000_o^A 3200_n^B 100_o^C	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	µg/kg	1000_o^A 3200_n^B 100_o^C	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides														
Aldrin	µg/kg	97^A 190^B 5_n^C	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha-	µg/kg	480^A 20^{BC}	-	-	-	-	-	-	-	-	-	-	-	-
BHC, beta-	µg/kg	360^A 90^B 36^C	-	-	-	-	-	-	-	-	-	-	-	-
BHC, delta-	µg/kg	100000_b^A 250^B 40_n^C	-	-	-	-	-	-	-	-	-	-	-	-
Camphechlor (Toxaphene)	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, alpha-	µg/kg	4200^A 2900^B 94^C	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, gamma-	µg/kg	100000_b^A 1000000_d^B 100000_a^C 14000^E	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-
DDD (p,p'-DDD)	µg/kg	13000^A 14000^B 3.3_m^C	-	-	-	-	-	-	-	-	-	-	-	-
DDE (p,p'-DDE)	µg/kg	8900^A 17000^B 3.3_m^C	-	-	-	-	-	-	-	-	-	-	-	-
DDT (p,p'-DDT)	µg/kg	7900^A 136000^B 3.3_m^C	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	200^A 100^B 5_n^C	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	µg/kg	24000_j^A 102000^B 2400_j^C	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	µg/kg	24000_j^A 102000^B 2400_j^C	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan Sulfate	µg/kg	24000_j^A 1000000_d^B 2400_j^C	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	µg/kg	11000^A 60^B 14^C	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Aldehyde	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Ketone	µg/kg	100000_b^A 1000000_d^B 100000_a^C	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/kg	2100^A 380^B 42^C	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	µg/kg	100000_b^A 1000000_d^B 100000_a^C 20^E	-	-	-	-	-	-	-	-	-	-	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300^A 100^{BC}	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000_b^A 1000000_d^B 100000_a^C 900000^E	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

							On-Site Building					North Room Addition		
Sample Location			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	SEDIMENT TANK		W06-1&2 WEST WALL	SB-5	SB-9	SB-10
Sample Date			3-May-13	14-Jun-12	2-Aug-12	8-Jun-12	8-Jun-12	2-Aug-12	2-Aug-12	2-Aug-12	2-Aug-12	10-Dec-12	10-Dec-12	10-Dec-12
Sample ID			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	01-1 SEDIMENT TANK	01-2 SEDIMENT TANK	W06-1&2 WEST WALL	B-5-6.8	B-9-7.0	B-10-7.0
Sample Depth			1.5 - 2 ft									6.8 ft	7 ft	7 ft
Sampling Company			STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC
Laboratory			CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CTECH	CTECH	CTECH
Laboratory Work Order			E2101	12:2524	12:3240	12:2432	12:2432	12:3240	12:3240	12:3240	12:3240	D5130	D5130	D5130
Laboratory Sample ID			E2101-07	12:2524-01	12:3240-06	12:2432-01	12:2432-02	12:3240-08	12:3240-01	12:3240-02	12:3240-07	D5130-01	D5130-02	D5130-05
Sample Type	**Units**	**NYSDEC[1,2]**												
Semi - Volatile Organic Compounds														
3+4-Methylphenols	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/kg	100000_b[A] 98000[E] 20000[CG]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Acenaphthylene	µg/kg	100000_b[AG] 107000[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Acetophenone	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
Aniline	µg/kg	100000_b[A] 1000000_d[B] 100000_a[CD] 330_b[E]	-	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	311 U	-	-	-
Anthracene	µg/kg	100000_b[AG] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Benzaldehyde	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
Benzidine	µg/kg	n/v	-	-	908 U	-	-	903 U	919 U	909 U	778 U	-	-	-
Benzo(a)anthracene	µg/kg	1000_g[ABG] 1000_n[C]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Benzo(a)pyrene	µg/kg	1000_g[AG] 22000[E] 1000_n[C]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Benzo(b)fluoranthene	µg/kg	1000_g[AG] 1700[B] 1000_n[C]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Benzo(g,h,i)perylene	µg/kg	100000_h[ACG] 1000000_d[B]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Benzo(k)fluoranthene	µg/kg	3900[A] 1700[B] 800_n[CG]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Benzoic acid	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 2700[E]	-	-	908 U	-	-	903 U	919 U	909 U	778 U	-	-	-
Benzyl Alcohol	µg/kg	n/v	-	-	908 U	-	-	903 U	919 U	909 U	778 U	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Bis(2-Chloroethyl)ether	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	-	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 435000[E]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Butyl Benzyl Phthalate	µg/kg	$_{NS}$[AC] 1000000_d[B] 122000[E]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Caprolactam	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
Carbazole	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	-	-	-	-	-	-	-	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Chloroaniline, 4-	µg/kg	$_{NS}$[AC] 1000000_d[B] 220[E]	***380 U***	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	***311 U***	-	-	-
Chloronaphthalene, 2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Chrysene	µg/kg	3900[A] 1000_g[BG] 1000_n[C]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	100000_h[A] 330_t[B] 330_m[C]	-	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	311 U	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000_h[A] 330_t[B] 330_m[C]	***380 U***	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	311 U	-	-	-
Dibenzo(a,h)anthracene	µg/kg	330_t[AG] 1000000_d[B] 330_m[C]	***380 U***	-	***363 U***	-	-	***361 U***	***368 U J***	***364 U***	311 U	-	-	-
Dibenzofuran	µg/kg	59000[A] 210000[B] 7000[C] 6200[E]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dibutyl Phthalate (DBP)	µg/kg	$_{NS}$[AC] 1000000_d[B] 8100[E]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dichlorobenzene, 1,2-	µg/kg	100000_b[A] 1100[BC]	-	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A] 2400[BC]	-	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A] 1800[BC]	-	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dichlorobenzidine, 3,3'-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Dichlorophenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 400[E]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dichlorophenol, 2,6-	µg/kg	n/v	-	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Diethyl Phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 7100[E]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dimethyl Phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 27000[E]	180 J	-	908 U	-	-	903 U	919 U	909 U	778 U	-	-	-
Dimethylphenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dinitro-o-cresol, 4,6-	µg/kg	100000_a[A] 1000000_d[B] 100000_a[C]	380 U	-	908 U	-	-	903 U	919 U	909 U	778 U	-	-	-
Dinitrophenol, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 200[E]	***380 U J***	-	***908 U***	-	-	***903 U***	***919 U***	***909 U***	***778 U***	-	-	-
Dinitrotoluene, 2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Dinitrotoluene, 2,6-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] $1000/170_{b,s1}$[E]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Di-n-Octyl phthalate	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 120000[E]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Fluoranthene	µg/kg	100000_b[AG] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Fluorene	µg/kg	100000_h[A] 386000[B] 30000[CG]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Hexachlorobenzene	µg/kg	1200[A] 3200[B] 330_m[C] 1400[E]	***380 U***	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	311 U	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Hexachlorocyclopentadiene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U J	-	363 U J	-	-	361 U J	368 U J	364 U J	311 U J	-	-	-

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Building									North Room Addition		
Sample Location			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	SEDIMENT TANK		W06-1&2 WEST WALL	SB-5	SB-9	SB-10
Sample Date			3-May-13	14-Jun-12	2-Aug-12	8-Jun-12	8-Jun-12	2-Aug-12	2-Aug-12	2-Aug-12	2-Aug-12	10-Dec-12	10-Dec-12	10-Dec-12
Sample ID			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	01-1 SEDIMENT TANK	01-2 SEDIMENT TANK	W06-1&2 WEST WALL	B-5-6.8	B-9-7.0	B-10-7.0
Sample Depth			1.5 - 2 ft									6.8 ft	7 ft	7 ft
Sampling Company			STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC
Laboratory			CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CTECH	CTECH	CTECH
Laboratory Work Order			E2101	12:2524	12:3240	12:2432	12:2432	12:3240	12:3240	12:3240	12:3240	D5130	D5130	D5130
Laboratory Sample ID			E2101-07	12:2524-01	12:3240-06	12:2432-01	12:2432-02	12:3240-08	12:3240-01	12:3240-02	12:3240-07	D5130-01	D5130-02	D5130-05
Sample Type	**Units**	**NYSDEC[1,2]**												
Semi - Volatile Organic Compounds (continued)														
Hexachloroethane	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	500_g[AG] 8200[B] 500_a[C]	380 U	-	363 U	-	-	361 U	368 U J	364 U	311 U	-	-	-
Isophorone	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 4400[E]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Methylnaphthalene, 2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 36400[E]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Naphthalene	µg/kg	100000_a[A] 12000[BCFG]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Nitroaniline, 2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 400[E]	380 U	-	***908 U***	-	-	***903 U***	***919 U***	***909 U***	***778 U***	-	-	-
Nitroaniline, 3-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 500[E]	380 U	-	***908 U***	-	-	***903 U***	***919 U***	***909 U***	***778 U***	-	-	-
Nitroaniline, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	908 U	-	-	903 U	919 U	909 U	778 U	-	-	-
Nitrobenzene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 15000[D] 170_b[E]	***380 U***	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	***311 U***	-	-	-
Nitrophenol, 2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 300[E]	***380 U***	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	***311 U***	-	-	-
Nitrophenol, 4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 100[E]	***380 U***	-	***908 U***	-	-	***903 U***	***919 U***	***909 U***	***778 U***	-	-	-
N-Nitrosodimethylamine (NDMA)	µg/kg	n/v	-	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
N-Nitrosodi-n-Propylamine	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
n-Nitrosodiphenylamine	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Pentachlorophenol	µg/kg	6700[A] 800[B] 800_m[C]	380 U	-	***908 U***	-	-	***903 U***	***919 U***	***909 U***	778 U	-	-	-
Phenanthrene	µg/kg	100000_b[ACG] 1000000_d[B]	380 U	-	363 U	-	-	361 U	372	364 U	311 U	-	-	-
Phenol	µg/kg	100000_b[A] 330[B] 330_m[C]	***380 U***	-	***363 U***	-	-	***361 U***	***368 U***	***364 U***	311 U	-	-	-
Pyrene	µg/kg	100000_b[ACG] 1000000_d[B]	380 U	-	363 U	-	-	361 U	731 J	514	311 U	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	380 U	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 3400[E]	-	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Trichlorophenol, 2,4,5-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 100[E]	***380 U***	-	***908 U***	-	-	***903 U***	***919 U***	***909 U***	***778 U***	-	-	-
Trichlorophenol, 2,4,6-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	380 U	-	363 U	-	-	361 U	368 U	364 U	311 U	-	-	-
Total SVOC TICs	µg/kg	n/v	849 A B J	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds														
Acetone	µg/kg	100000_b[A] 50[BC]	28.9 U	-	***63.8 U J***	-	-	40.0 U	***94.8 U J***	***60.4 U J***	***97.6 U J***	29 U	29 U	30 U
Benzene	µg/kg	4800[A] 60[BCFG]	5.8 U	-	7.94 U	-	-	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Bromodichloromethane	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Bromoform (Tribromomethane)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	24.3 U J	19.9 U	20.0 U	17.5 U	20.0 U	20.0 U J	13.7 U	11.3 U J	5.8 U	5.7 U	6.0 U
Bromomethane (Methyl bromide)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Carbon Disulfide	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 2700[E]	5.8 U	-	7.94 U	-	-	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A] 760[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Chlorobenzene (Monochlorobenzene)	µg/kg	100000_b[A] 1100[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U J	34 NJ	6.0 U
Chlorobromomethane	µg/kg	n/v	5.8 U	-	-	-	-	-	-	-	-	5.8 U	5.7 U	6.0 U
Chloroethane (Ethyl Chloride)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 1900[E]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Chloroethyl Vinyl Ether, 2-	µg/kg	n/v	-	48.6 U J	39.7 U	40.0 U	35.0 U	40.0 U	39.9 U J	27.5 U	22.6 U J	-	-	-
Chloroform (Trichloromethane)	µg/kg	49000[A] 370[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Chloromethane	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Cyclohexane	µg/kg	n/v	5.8 U	-	-	-	-	-	-	-	-	3.9 J	5.7 U	6.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	5.8 U	-	-	-	-	-	-	-	-	5.8 U	5.7 U	6.0 U
Dibromochloromethane	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichlorobenzene, 1,2-	µg/kg	100000_b[A] 1100[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichlorobenzene, 1,3-	µg/kg	49000[A] 2400[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichlorobenzene, 1,4-	µg/kg	13000[A] 1800[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	5.8 U	-	-	-	-	-	-	-	-	5.8 U	5.7 U	6.0 U
Dichloroethane, 1,1-	µg/kg	26000[A] 270[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichloroethane, 1,2-	µg/kg	3100[A] 20_g[B] 20_m[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichloroethene, 1,1-	µg/kg	100000_b[A] 330[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichloroethylene, cis-1,2-	µg/kg	100000_b[A] 250[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichloroethylene, trans-1,2-	µg/kg	100000_b[A] 190[BC]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichloropropane, 1,2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichloropropene, cis-1,3-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dichloropropene, trans-1,3-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Dioxane, 1,4-	µg/kg	13000[A] 100_j[B] 100_m[C]	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/kg	41000[A] 1000[BCFG]	5.8 U	-	7.94 U	-	-	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Building									North Room Addition		
Sample Location			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	SEDIMENT TANK		W06-1&2 WEST WALL	SB-5	SB-9	SB-10
Sample Date			3-May-13	14-Jun-12	2-Aug-12	8-Jun-12	8-Jun-12	2-Aug-12	2-Aug-12	2-Aug-12	2-Aug-12	10-Dec-12	10-Dec-12	10-Dec-12
Sample ID			LI-B110-S1	N. East Corner	N05-1&2 NORTH WALL	S. East Corner	S. East Corner North	S07-1&2 SOUTH WALL	01-1 SEDIMENT TANK	01-2 SEDIMENT TANK	W06-1&2 WEST WALL	B-5-6.8	B-9-7.0	B-10-7.0
Sample Depth			1.5 - 2 ft									6.8 ft	7 ft	7 ft
Sampling Company			STANTEC	DECI	DECI	DECI	DECI	DECI	DECI	DECI	DECI	STANTEC	STANTEC	STANTEC
Laboratory			CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CTECH	CTECH	CTECH
Laboratory Work Order			E2101	12:2524	12:3240	12:2432	12:2432	12:3240	12:3240	12:3240	12:3240	D5130	D5130	D5130
Laboratory Sample ID			E2101-07	12:2524-01	12:3240-06	12:2432-01	12:2432-02	12:3240-08	12:3240-01	12:3240-02	12:3240-07	D5130-01	D5130-02	D5130-05
Sample Type	**Units**	**NYSDEC[1,2]**												
Volatile Organic Compounds (continued)														
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	5.8 U	-	-	-	-	-	-	-	-	5.8 U	5.7 U	6.0 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	28.9 U	-	19.9 U	-	-	20.0 U	20.0 U J	13.7 U	11.3 U J	29 U	29 U	30 U
Isopropylbenzene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 2300^{EFG}	5.8 U	-	-	-	-	-	-	-	-	20 NJ	32 NJ	6.0 U
Methyl Acetate	µg/kg	n/v	5.8 U	-	-	-	-	-	-	-	-	5.8 U	5.7 U	6.0 U
Methyl Ethyl Ketone (MEK)	µg/kg	100000_b[A] 120^{BC} 300^{E}	28.9 U	-	39.7 U	-	-	40.0 U	39.9 U J	27.5 U	22.6 U J	29 U	29 U	30 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 1000^{E}	28.9 U	-	19.9 U	-	-	20.0 U	20.0 U J	13.7 U	11.3 U J	29 U	29 U	30 U
Methyl tert-butyl ether (MTBE)	µg/kg	100000_b[A] 930^{BCF}	5.8 U	-	-	-	-	-	-	-	-	5.8 U	5.7 U	6.0 U
Methylcyclohexane	µg/kg	n/v	5.8 U	-	-	-	-	-	-	-	-	38 J	5.7 U	1.6 J
Methylene Chloride (Dichloromethane)	µg/kg	100000_b[A] 50^{BC}	5.8 U	24.3 U J	19.9 U	20.0 U	17.5 U	20.0 U	20.0 U J	13.7 U	11.3 U J	5.8 U	5.7 U	6.0 U
Styrene	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	-	19.9 U	-	-	20.0 U	20.0 U J	13.7 U	11.3 U J	5.8 U	5.7 U	6.0 U
Tetrachloroethane, 1,1,2,2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 600^{E}	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	-	5.7 U	6.0 U
Tetrachloroethylene (PCE)	µg/kg	19000^{A} 1300^{BC}	5.8 U	10.4 J	7.94 U	18.5	17.2 J	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Toluene	µg/kg	100000_b[A] 700^{BCFG}	5.8 U	-	7.94 U	-	-	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Trichlorobenzene, 1,2,3-	µg/kg	n/v	5.8 U J	-	-	-	-	-	-	-	-	5.8 U J	5.7 U Q	6.0 U Q
Trichlorobenzene, 1,2,4-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 3400^{E}	5.8 U J	-	-	-	-	-	-	-	-	5.8 U J	5.7 U	6.0 U
Trichloroethane, 1,1,1-	µg/kg	100000_b[A] 680^{BC}	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Trichloroethane, 1,1,2-	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C]	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Trichloroethylene (TCE)	µg/kg	21000^{A} 470^{BC}	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 6000^{E}	5.8 U	-	-	-	-	-	-	-	-	5.8 U	5.7 U	6.0 U
Vinyl Acetate	µg/kg	n/v	-	-	19.9 U	-	-	20.0 U	20.0 U J	13.7 U	11.3 U J	-	-	-
Vinyl chloride	µg/kg	900^{A} 20^{BC}	5.8 U	9.72 U J	7.94 U	8.01 U	7.00 U	8.00 U	7.99 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Xylene, m & p-	µg/kg	$100000_{b,p}$[A] 1600_p[B] 260_p[C]	11.6 U	-	7.94 U	-	-	8.00 U	13.3 U J	5.50 U	4.51 U J	12 U	11 U	12 U
Xylene, o-	µg/kg	$100000_{b,p}$[A] 1600_p[B] 260_p[C]	5.8 U	-	7.94 U	-	-	8.00 U	8.31 U J	5.50 U	4.51 U J	5.8 U	5.7 U	6.0 U
Total VOC TICs	µg/kg	n/v	2.9 U	-	-	-	-	-	-	-	-	20630.5	31993	-
Herbicides														
2,4,5-TP (Silvex)	µg/kg	100000_b[A] 3800^{BC}	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorophenoxy acetic acid, 2,4- (2,4-D)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 500^{E}	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorophenoxy acetic acid, 2,4,5- (2,4,5-T)	µg/kg	100000_b[A] 1000000_d[B] 100000_a[C] 1900^{E}	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 1
Summary of Historical and RI Analytical Results in Soil

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Notes:

NYSDEC[1]	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Groundwater
C	NYSDEC 6 NYCRR Part 375 - Unrestricted Use Soil Cleanup Objectives
NYSDEC[2]	New York State Department of Environmental Conservation, DEC Policy CP-51, October 21, 2010
D	Table 1 Supplemental Soil Cleanup Objectives - Restricted Residential
E	Table 1 Supplemental Soil Cleanup Objectives - Protection of Groundwater
F	Table 2 Soil Cleanup Levels for Gasoline Contaminated Soils
G	Table 3 Soil Cleanup Levels for Fuel Oil Contaminated Soil
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory reportable detection limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory reportable detection limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS[AC]	No SCO has been established for this compound.
NS,q[ABC]	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
a[C]	The SCOs for unrestricted use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3
b[E]	Based on rural background study
b[A]	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
b,s1	Based on rural background study. The value of 1.0 refers to SVOC analses while the 0.17b refers to VOC analyses.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
e	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
f[AB]	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g[AB]	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
j[AC]	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
k	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
m	For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value.
n	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.
o[ABC]	The criterion is applicable to total PCBs, and the individual Aroclors should be added for comparison.
A	MS/MSD, LCS/LCSD percent recovery outside QC limits.
B	Indicates analyte was found in associated blank, as well as in the sample.
D	Indicates reanalysis of sample with additional dilution to address exceedance of instrument calibration range.
J	The reported result is an estimated value.
N	Indicates presumptive evidence of a compound. Identification of tentatively identified compound is based on a mass spectral library search.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
Q	Indicates LCS control criteria did not meet requirements

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Parking Lot																	
Sample Location			B101MW		B102MW							RW-4						RW-11		
Sample Date			21-May-13	21-May-13	22-May-13	27-Mar-14	27-Mar-14	28-May-14	2-Jul-14	6-Aug-14	25-Apr-12	22-May-13	26-Mar-14	29-May-14	2-Jul-14	6-Aug-14	14-Jun-12	22-May-13	27-Mar-14
Sample ID			LI-B101MW-GW1	LI-B101MW-GW1DUP	LI-B102MW-GW1	LI-B102-MW	LI-DUP-MW	LI-B102-MW-PI1	LI-B102-MW-PI2	LI-B102-MW-PI3	RW-4	LI-RW-4-GW1	LI-RW-4	LI-RW-4-PI1	LI-RW-4-PI2	LI-RW-4-PI3	RW-11	LI-RW-11-GW1	LI-RW-11
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC
Laboratory			CCGE	CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH
Laboratory Work Order			E2314	E2314	E2342	141138	141138	142196	142794	143439	12:1770	E2342	141138	142196	142794	143439	12:2523	E2342	141138
Laboratory Sample ID			E2314-01	E2314-02	E2342-04	141138-11	141138-14	142196-07	142794-09	143439-10	12:1770-01	E2342-03	141138-04	142196-13	142794-10	143439-04	12:2523-03	E2342-02	141138-09
Sample Type	**Units**	**TOGS**		Field Duplicate			Field Duplicate												
General Chemistry																			
Total Organic Carbon	µg/L	n/v	-	-	-	6000	4600	15200	146000	24600	-	-	-	8200	339000	63000	-	-	-
Metals																			
Arsenic	µg/L	25[B]	5.000 U	5.000 U	-	10 U	10 U	10 U	10 U	10 UJ	-	5.000 U	-	-	-	-	-	-	-
Iron	µg/L	300.[B]	25.0 U	25.0 U	-	100 U	100 U	**4330[B]**	**9940[B]**	**6480[B]**	-	11.7 J	-	-	-	-	-	-	-
Lead	µg/L	25[B]	12.6	12.5	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-
Manganese	µg/L	300.[B]	5.42 J	5.53 J	-	**694[B]**	**675[B]**	**1070[B]**	**2280[B]**	**1200[B]**	-	**667 J[B]**	-	-	-	-	-	-	-
Sodium	µg/L	20000[B]	**24700[B]**	**27600[B]**	-	18500	18100	**41100[B]**	**169000[B]**	**83100 M[B]**	-	8750	-	**22300[B]**	**298000[B]**	**222000[B]**	-	-	-
Volatile Organic Compounds																			
Acetone	µg/L	50[A]	25 U	25 U	25 U	10.0 U	10.0 U	10.0 U	6.54 J	10.0 U	10.0 UJ	25 U	10.0 U	6.72 J	10.0 U	12.7 J	-	25 U	10.0 U
Benzene	µg/L	1[B]	***5 U***	***5 U***	***5 U***	1 U	1 U	1 U	1 U	1 U	0.700 UJ	***5 U***	1 U	1 U	1 U	1 U	-	***5 U***	1 U
Bromodichloromethane	µg/L	50[A]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[A]	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ	5 U	5.00 U	5.00 U	5.00 U	5.00 UJ	5.00 U	5 U	5.00 U
Bromomethane (Methyl bromide)	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 UJ	2.00 UJ	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	2.00 UJ	5 U	2.00 U
Carbon Disulfide	µg/L	60[A]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	3.04	3.64	-	5 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Chlorobromomethane	µg/L	5..[B]	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U Q	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	-	-	-	R	-	-	-	-	-	R	-	-
Chloroform (Trichloromethane)	µg/L	7[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	1.91 J	2.00 U	2.00 U	5 U	2.00 U
Chloromethane	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Cyclohexane	µg/L	n/v	5 U	5 U	5 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	-	5 U	10.0 U	10.0 U	10.0 U	10.0 U	-	5 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	***5 U***	***5 U***	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***5 U***	***10.0 U***
Dibromochloromethane	µg/L	50[A]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 U	5 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[B]	***5 U***	***5 U***	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	***5 U***	***5 U***	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	***5 U***	***5 U***	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 U	-	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	-	5 U	2.00 U
Dichloroethane, 1,1-	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	***5 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5..[B]	5 U	5 U	**7.5[B]**	4.45	4.44	4.61	**7.04[B]**	**68.7[B]**	**23.1 J[B]**	**14.9[B]**	**6.41[B]**	**9.56[B]**	**13.4[B]**	**87.9[B]**	2.00 U	5 U	2.00 U
Dichloroethene, trans-1,2-	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	1.11 J	2.00 U	5 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[B]	***5 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	***5 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	***5 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 UJ***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	100 U	100 U	R	R	R	R	R	R	-	R	R	R	R	R	-	R	R
Ethylbenzene	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	***5 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***5 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	25 U	25 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ	25 U	5.00 U	5.00 U	5.00 U	5.00 U	-	25 U	5.00 U
Isopropylbenzene	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Methyl Acetate	µg/L	n/v	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	25 U	25 U	25 U	10.0 UJ	10.0 UJ	10.0 U	27.8 J	10.0 U	10.0 UJ	25 U	10.0 UJ	10.0 U	20.8 J	15.8	-	25 U	10.0 UJ
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	25 U	25 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ	25 U	5.00 U	5.00 U	5.00 U	5.00 U	-	25 U	5.00 U

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Parking Lot																
			B101MW		B102MW						RW-4						RW-11		
Sample Date			21-May-13	21-May-13	22-May-13	27-Mar-14	27-Mar-14	28-May-14	2-Jul-14	6-Aug-14	25-Apr-12	22-May-13	26-Mar-14	29-May-14	2-Jul-14	6-Aug-14	14-Jun-12	22-May-13	27-Mar-14
Sample ID			LI-B101MW-GW1	LI-B101MW-GW1DUP	LI-B102MW-GW1	LI-B102-MW	LI-DUP-MW	LI-B102-MW-PI1	LI-B102-MW-PI2	LI-B102-MW-PI3	RW-4	LI-RW-4-GW1	LI-RW-4	LI-RW-4-PI1	LI-RW-4-PI2	LI-RW-4-PI3	RW-11	LI-RW-11-GW1	LI-RW-11
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC
Laboratory			CCGE	CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH
Laboratory Work Order			E2314	E2314	E2342	141138	141138	142196	142794	143439	12:1770	E2342	141138	142196	142794	143439	12:2523	E2342	141138
Laboratory Sample ID			E2314-01	E2314-02	E2342-04	141138-11	141138-14	142196-07	142794-09	143439-10	12:1770-01	E2342-03	141138-04	142196-13	142794-10	143439-04	12:2523-03	E2342-02	141138-09
Sample Type	Units	TOGS		Field Duplicate			Field Duplicate												
Volatile Organic Compounds (cont'd)																			
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Methylcyclohexane	µg/L	n/v	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5..[B]	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ	5 U	4.35 JB	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U
Styrene	µg/L	5..[B]	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5..[B]	1.6 J	1.2 J	**20.9[B]**	**24.4[B]**	**25.4[B]**	**20.6[B]**	**26.4[B]**	2.00 U	**62.6 J[B]**	**55.8[B]**	**62.7[B]**	**76.0[B]**	**73.0[B]**	**54.5[B]**	2.00 U	1.3 J	1.11 J
Toluene	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5..[B]	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5..[B]	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	***5 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5..[B]	0.51 J	5 U	**14.9[B]**	**9.78[B]**	**10.2[B]**	**7.72[B]**	**15.3[B]**	2.09	**21.4 J[B]**	**19.8[B]**	**10.3[B]**	**18.0[B]**	**20.4[B]**	**34.3[B]**	2.00 U	5 U	2.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	5.00 UJ	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	***5 U***	***5 U***	0.53 J	2.00 U	2.00 U	2.00 U	1.45 J	**4.49[B]**	**3.86 J[B]**	1.8 J	1.72 J	2.00 U	**3.07[B]**	2.00 U	2.00 U	***5 U***	2.00 U
Xylene, m & p-	µg/L	5..[B]	***10 U***	***10 U***	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U	-	***10 U***	2.00 U
Xylene, o-	µg/L	5..[B]	5 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Total VOC	µg/L	n/v	2.11	1.2	43.83	38.63	40.04	32.93	84.53	75.28	110.96	92.3	85.48	110.28	135.62	209.95	ND	1.3	1.11
Volatile Organic Tentatively Identified Compounds																			
Total VOC TICs	µg/L	n/v	2.5 U	2.5 U	2.5 U	-	-	-	-	-	-	2.5 U	-	-	-	-	-	2.5 U	-

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Building B106MW					On-Site Building B108MW						RW-1					
Sample Date			23-May-13	26-Mar-14	28-May-14	2-Jul-14	7-Aug-14	23-May-13	26-Mar-14	28-May-14	28-May-14	2-Jul-14	8-Aug-14	23-Mar-12	23-May-13	26-Mar-14	29-May-14	1-Jul-14	8-Aug-14
Sample ID			LI-B106MW-GW1	LI-B106-MW	LI-B106-MW-PI1	LI-B106-MW-PI2	LI-B106-MW-PI3	LI-B108MW-GW1	LI-B108-MW	LI-B108-MW-PI1	LI-MW-DUP-PI1	LI-B108-MW-PI2	LI-B108-MW-PI3	RW-1	LI-RW-1-GW1	LI-RW-1	LI-RW-1-PI1	LI-RW-1-PI2	LI-RW-1-PI3
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			E2363	141138	142196	142794	143439	E2363	141138	142196	142196	142794	143439	12:1239	E2363	141138	142196	142794	143439
Laboratory Sample ID			E2363-03	141138-12	142196-06	142794-11	143439-11	E2363-02	141138-13	142196-04	142196-05	142794-12	143439-12	12:1239-01	E2363-01	141138-01	142196-09	142794-08	143439-01
Sample Type	Units	TOGS									Field Duplicate								
General Chemistry																			
Total Organic Carbon	µg/L	n/v	-	-	188000	514000	77600	-	3300	60300	60200	86100	72200	-	-	-	1060000	415000	43500
Metals																			
Arsenic	µg/L	25[B]	-	-	-	-	-	6.2	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-
Iron	µg/L	300.[B]	-	-	-	-	-	45.3	100 U	**1400[B]**	**978[B]**	**3520[B]**	**2480[B]**	-	-	-	-	-	-
Lead	µg/L	25[B]	-	-	-	-	-	4.9	-	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300.[B]	-	-	-	-	-	46.4 J	187	184	179	217	158	-	-	-	-	-	-
Sodium	µg/L	20000[B]	-	-	**162000[B]**	**375000[B]**	**185000[B]**	**26300[B]**	**33000[B]**	**103000[B]**	**101000[B]**	**100000 M[B]**	**115000[B]**	-	-	-	**146000[B]**	**331000[B]**	**137000[B]**
Volatile Organic Compounds																			
Acetone	µg/L	50[A]	25 U	10.0 U	10.0 U	12.9	10.0 U	25 U	10.0 U	10.0 U	10.0 U	6.04 J	8.49 J	10.0 U	25 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	µg/L	1[B]	***5 U***	1 U	1 U	0.842 J	0.391 J	***5 U***	1 U	1 U	1 U	1 U	1 U	0.700 U	0.49 NJ	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	50[A]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[A]	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 UJ
Bromomethane (Methyl bromide)	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U
Carbon Disulfide	µg/L	60[A]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobromomethane	µg/L	5..[B]	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Cyclohexane	µg/L	n/v	0.69 J	10.0 U	10.0 U	15.8	7.47 J	5 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	-	4.5 NJ	10.0 U	10.0 U	10.0 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***
Dibromochloromethane	µg/L	50[A]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ
Dichlorobenzene, 1,2-	µg/L	3[B]	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 U	-	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U
Dichloroethane, 1,1-	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5..[B]	**16.9[B]**	**6.89[B]**	**8.67[B]**	**28.4[B]**	**16.3[B]**	**5.7[B]**	2.00 U	**11.0[B]**	**10.9[B]**	**23.2[B]**	4.99	**6.88[B]**	**14.5[B]**	**5.57[B]**	4.53	4.71	**8.12[B]**
Dichloroethene, trans-1,2-	µg/L	5..[B]	1.4 J	2.00 U	2.00 U	3.84	1.61 J	5 U	2.00 U	2.00 U	2.00 U	2.04	1.37 J	2.00 U	4.2 J	2.00 U	2.00 U	1.03 J	2.00 U
Dichloropropane, 1,2-	µg/L	1[B]	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	R	R	R	R	R	R	R	R	R	R	R	-	R	R	R	R	R
Ethylbenzene	µg/L	5..[B]	5 U	2.00 U	2.00 U	1.79 J	1.20 J	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	25 U	5.00 U	5.00 U	5.00 U	5.00 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U
Isopropylbenzene	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Acetate	µg/L	n/v	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	25 U	10.0 UJ	10.7	**151 J[A]**	31.6	25 U	10.0 UJ	13.9	12.8	41.5 J	**63.8[A]**	10.0 U	25 U	10.0 UJ	6.42 J	**87.3 J[A]**	9.42 NJ
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	25 U	5.00 U	5.00 U	5.00 U	5.00 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			On-Site Building															
			B106MW					B108MW						RW-1				
Sample Date			23-May-13	26-Mar-14	28-May-14	2-Jul-14	7-Aug-14	23-May-13	26-Mar-14	28-May-14	28-May-14	2-Jul-14	8-Aug-14	23-Mar-12	23-May-13	26-Mar-14	29-May-14	1-Jul-14	8-Aug-14
Sample ID			LI-B106MW-GW1	LI-B106-MW	LI-B106-MW-PI1	LI-B106-MW-PI2	LI-B106-MW-PI3	LI-B108MW-GW1	LI-B108-MW	LI-B108-MW-PI1	LI-MW-DUP-PI1	LI-B108-MW-PI2	LI-B108-MW-PI3	RW-1	LI-RW-1-GW1	LI-RW-1	LI-RW-1-PI1	LI-RW-1-PI2	LI-RW-1-PI3
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			E2363	141138	142196	142794	143439	E2363	141138	142196	142196	142794	143439	12:1239	E2363	141138	142196	142794	143439
Laboratory Sample ID			E2363-03	141138-12	142196-06	142794-11	143439-11	E2363-02	141138-13	142196-04	142196-05	142794-12	143439-12	12:1239-01	E2363-01	141138-01	142196-09	142794-08	143439-01
Sample Type	Units	TOGS									Field Duplicate								
Volatile Organic Compounds (cont'd)																			
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylcyclohexane	µg/L	n/v	0.77 J	2.00 U	2.03	11.7	6.30	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	3.1 J	2.00 U	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5..[B]	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	4.93 JB	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	2.84 JB	5.00 U	5.00 U	5.00 U
Styrene	µg/L	5..[B]	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5..[B]	**14.8[B]**	**21.7[B]**	**9.51[B]**	**11.7[B]**	**7.73[B]**	**15.9[B]**	**6.45[B]**	**10.1[B]**	**9.75[B]**	**10.7[B]**	**9.63[B]**	**6.72[B]**	3.6 J	**5.35[B]**	**10.1[B]**	**6.14[B]**	2.65
Toluene	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5..[B]	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5..[B]	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5..[B]	**12[B]**	**8.27[B]**	**5.11[B]**	**9.44[B]**	**16.6[B]**	**8.5[B]**	1.05 J	4.17	4.15	4.21	1.65 J	**7.15[B]**	**8.1[B]**	4.02	**6.09[B]**	4.52	**5.49[B]**
Trichlorofluoromethane (Freon 11)	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	5.00 U	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	**2.1 J[B]**	2.00 U	**2.84[B]**	**15.2[B]**	**7.60[B]**	***5 U***	2.00 U	**2.75[B]**	**2.61[B]**	**10.2[B]**	**14.6[B]**	**3.99[B]**	**7.7[B]**	2.00 U	1.45 NJ	**4.61 NJ[B]**	**5.29 NJ[B]**
Xylene, m & p-	µg/L	5..[B]	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, o-	µg/L	5..[B]	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Total VOC	µg/L	n/v	48.66	36.86	38.86	262.612	96.801	30.1	12.43	41.92	40.21	97.89	104.53	24.74	46.19	17.78	28.59	108.31	30.97
Volatile Organic Tentatively Identified Compounds																			
Total VOC TICs	µg/L	n/v	2.5 U	-	-	-	-	2.5 U	-	-	-	-	-	-	4.900 J	-	-	-	-

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Building												Off-Site Locations					
Sample Location			RW-2						RW-3						RW-5					
Sample Date			23-Mar-12	21-May-13	26-Mar-14	29-May-14	1-Jul-14	8-Aug-14	23-Mar-12	22-May-13	26-Mar-14	29-May-14	1-Jul-14	7-Aug-14	25-Apr-12	21-May-13	27-Mar-14	29-May-14	2-Jul-14	7-Aug-14
Sample ID			RW-2	LI-RW-2-GW1	LI-RW-2	LI-RW-2-PI1	LI-RW-2-PI2	LI-RW-2-PI3	RW-3	LI-RW-3-GW1	LI-RW-3	LI-RW-3-PI1	LI-RW-3-PI2	LI-RW-3-PI3	RW-5	LI-RW-5-GW1	LI-RW-5	LI-RW-5-PI1	LI-RW-5-PI2	LI-RW-5-PI3
Sampling Company			DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			12:1239	E2314	141138	142196	142794	143439	12:1239	E2342	141138	142196	142794	143439	12:1770	E2314	141138	142196	142794	143439
Laboratory Sample ID			12:1239-02	E2314-03	141138-02	142196-10	142794-07	143439-02	12:1239-03	E2342-01	141138-03	142196-11	142794-06	143439-03	12:1770-02	E2314-06	141138-05	142196-14	142794-13	143439-05
Sample Type	**Units**	**TOGS**																		
General Chemistry																				
Total Organic Carbon	µg/L	n/v	-	-	3200	553000	150000	259000	-	-	-	229000	87900	12700	-	-	3300	141000	299000	86700
Metals																				
Arsenic	µg/L	25[B]	-	5.000 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	10 U	10 U	10 U	10 U
Iron	µg/L	300.[B]	-	169	300	**2220[B]**	**1210[B]**	**937[B]**	-	-	-	-	-	-	-	-	100 U	**2500[B]**	**6250[B]**	**6000[B]**
Lead	µg/L	25[B]	-	9.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300.[B]	-	**305 J[B]**	120	233	60.8	108	-	-	-	-	-	-	-	-	69.2	69.1	102	60.4 B
Sodium	µg/L	20000[B]	-	**35600[B]**	**39100[B]**	**370000[B]**	**290000[B]**	**197000[B]**	-	-	-	**252000[B]**	**199000[B]**	**103000[B]**	-	-	**39500[B]**	**242000[B]**	**312000[B]**	**164000[B]**
Volatile Organic Compounds																				
Acetone	µg/L	50[A]	10.0 U	**160[A]**	10.0 U	32.4	19.4	9.47 J	10.0 U	25 U	10.0 U	**132[A]**	43.2 J	47.6 J	10.0 UJ	2.6 J	10.0 U	10.0 U	7.44 J	10.0 U
Benzene	µg/L	1[B]	0.700 U	***5 U***	1 U	1 U	1 U	1 U	0.700 U	***5 U***	1 U	***5 U***	1 U	1 U	**1.13 J[B]**	***5 U***	1 U	0.737 J	0.358 J	1 U
Bromodichloromethane	µg/L	50[A]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	10.0 U	10.0 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 UJ	5.00 U	5 U	5.00 U	25.0 U	25.0 U	5.00 UJ	5.00 UJ	5 U	5.00 U	5.00 U	5.00 U	5.00 UJ
Bromomethane (Methyl bromide)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 UJ***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U
Carbon Disulfide	µg/L	60[A]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	10.0 U	10.0 U	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobromomethane	µg/L	5..[B]	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	***25.0 U***	***25.0 U***	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	R	-	-	-	-	-	R	-	-	-	-	-	R	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 U	0.67 J	2.00 U	2.00 U	2.00 U	2.00 U	3.78	3.9 J	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Cyclohexane	n/v	-	5 U	10.0 U	10.0 U	10.0 U	10.0 U	-	5 U	10.0 U	50.0 U	50.0 U	10.0 U	-	5 U	10.0 U	10.0 U	10.0 U	10.0 U	
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***5 U***	***10.0 U***	***50.0 U***	***50.0 U***	***10.0 U***	-	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***
Dibromochloromethane	µg/L	50[A]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 U	5 U	2.00 U	10.0 U	10.0 U	2.00 UJ	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	-	5 U	2.00 U	***10.0 U***	***10.0 UJ***	2.00 U	-	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U
Dichloroethane, 1,1-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***10.0 U***	***10.0 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5..[B]	2.00 U	1 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5..[B]	**26.6[B]**	**360 D[B]**	**38.8[B]**	**55.7[B]**	**51.3[B]**	**23.6[B]**	**81.8[B]**	**130[B]**	3.77	**30.1[B]**	**90.5[B]**	**143[B]**	**49.5 J[B]**	**18.2[B]**	**7.64[B]**	**32.7[B]**	**45.7[B]**	**46.0[B]**
Dichloroethene, trans-1,2-	µg/L	5..[B]	2.43	**11.4[B]**	2.39	3.06	2.50	3.57	**10.2[B]**	**18.8[B]**	2.00 U	***10.0 U***	**7.12 J[B]**	3.16	**5.63 J[B]**	2.2 J	1.10 J	2.92	1.89 J	1.32 J
Dichloropropane, 1,2-	µg/L	1[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***10.0 U***	***10.0 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***10.0 U***	***10.0 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***10.0 U***	***10.0 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dioxane, 1,4-	n/v	-	100 U	R	R	R	R	R	-	R	R	R	R	R	-	100 U	R	R	R	R
Ethylbenzene	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***5 U***	***2.00 U***	***10.0 U***	***10.0 U***	***2.00 U***	-	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	5.00 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25 U	5.00 U	25.0 U	25.0 U	5.00 U	5.00 UJ	25 U	5.00 U	5.00 U	5.00 U	5.00 U
Isopropylbenzene	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Acetate	µg/L	n/v	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	10.0 U	10.0 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	10.0 U	**110[A]**	10.0 UJ	**175 NJ[A]**	29.3 J	38.1	10.0 U	25 U	10.0 UJ	**404[A]**	**139 J[A]**	**60.0[A]**	10.0 UJ	25 U	10.0 UJ	10.0 U	43.1 J	10.8
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.00 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25 U	5.00 U	25.0 U	25.0 U	5.00 U	5.00 UJ	25 U	5.00 U	5.00 U	5.00 U	5.00 U

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			On-Site Building												Off-Site Locations					
Sample Location			RW-2						RW-3						RW-5					
Sample Date			23-Mar-12	21-May-13	26-Mar-14	29-May-14	1-Jul-14	8-Aug-14	23-Mar-12	22-May-13	26-Mar-14	29-May-14	1-Jul-14	7-Aug-14	25-Apr-12	21-May-13	27-Mar-14	29-May-14	2-Jul-14	7-Aug-14
Sample ID			RW-2	LI-RW-2-GW1	LI-RW-2	LI-RW-2-PI1	LI-RW-2-PI2	LI-RW-2-PI3	RW-3	LI-RW-3-GW1	LI-RW-3	LI-RW-3-PI1	LI-RW-3-PI2	LI-RW-3-PI3	RW-5	LI-RW-5-GW1	LI-RW-5	LI-RW-5-PI1	LI-RW-5-PI2	LI-RW-5-PI3
Sampling Company			DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			12:1239	E2314	141138	142196	142794	143439	12:1239	E2342	141138	142196	142794	143439	12:1770	E2314	141138	142196	142794	143439
Laboratory Sample ID			12:1239-02	E2314-03	141138-02	142196-10	142794-07	143439-02	12:1239-03	E2342-01	141138-03	142196-11	142794-06	143439-03	12:1770-02	E2314-06	141138-05	142196-14	142794-13	143439-05
Sample Type	**Units**	**TOGS**																		
Volatile Organic Compounds (cont'd)																				
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	2.4 J	1.08 J	1.61 NJ	2.00 U	1.92 J	-	7.1	2.00 U	10.0 U	10.0 U	2.00 U	-	1.3 J	2.00 U	2.00 U	2.00 U	2.00 U
Methylcyclohexane	µg/L	n/v	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	10.0 U	10.0 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5..[B]	5.00 U	5 U	3.76 JB	5.00 U	5.00 U	5.00 U	5.00 U	5 U	4.04 JB	***25.0 U***	***25.0 U***	5.00 U	5.00 UJ	5 U	4.53 JB	5.00 U	5.00 U	5.00 U
Styrene	µg/L	5..[B]	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	***25.0 U***	***25.0 U***	5.00 U	5.00 UJ	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5..[B]	2.00 U	**110[B]**	4.44	3.08	1.42 J	2.00 U	2.81	**7.8[B]**	2.36	***10.0 U***	***10.0 U***	2.00 U	**12.2 J[B]**	**5.6[B]**	2.75	**11.2[B]**	2.44	2.00 U
Toluene	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5..[B]	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	***25.0 U***	***25.0 U***	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5..[B]	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	***25.0 U***	***25.0 U***	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***10.0 U***	***10.0 U***	***2.00 U***	***2.00 UJ***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5..[B]	**9.19[B]**	**76.4[B]**	**27.6[B]**	**21.5[B]**	**6.31[B]**	2.39	**125[B]**	**320 D[B]**	**10.5[B]**	**83.9[B]**	**36.6[B]**	2.00 U	**48.5 J[B]**	**25.2[B]**	**6.65[B]**	**40.0[B]**	**14.2[B]**	1.10 J
Trichlorofluoromethane (Freon 11)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Vinyl Acetate	µg/L	n/v	5.00 U	-	-	-	-	-	5.00 U	-	-	-	-	-	5.00 UJ	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	2.00 U	**5.9[B]**	1.24 J	1.64 NJ	**7.48[B]**	**56.4[B]**	2.00 U	**3 J[B]**	2.00 U	***10.0 U***	**18.1[B]**	**10.1 NJ[B]**	**2.93 J[B]**	0.6 J	2.00 U	2.00 U	1.28 NJ	**3.76[B]**
Xylene, m & p-	µg/L	5..[B]	2.00 U	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***10 U***	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, o-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	***10.0 U***	***10.0 U***	2.00 U	2.00 UJ	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Total VOC	µg/L	n/v	38.22	837.77	79.31	293.99	117.71	135.45	223.59	490.6	20.67	650	334.52	263.86	119.89	55.7	22.67	87.557	116.408	62.98
Volatile Organic Tentatively Identified Compounds																				
Total VOC TICs	µg/L	n/v	-	770.000 J	-	-	-	-	-	2.5 U	-	-	-	-	-	5.500 J	-	-	-	-

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			Off-Site Locations																
			RW-6								RW-7						RW-8	
Sample Date			25-Apr-12	4-May-12	20-May-13	27-Mar-14	28-May-14	1-Jul-14	7-Aug-14	7-Aug-14	12-Jun-12	20-May-13	27-Mar-14	28-May-14	1-Jul-14	7-Aug-14	14-Jun-12	20-May-13
Sample ID			RW-6	RW-6	LI-RW-6-GW1	LI-RW-6	LI-RW-6-PI1	LI-RW-6-PI2	LI-FD-PI3	LI-RW-6-PI3	RW-7	LI-RW-7-GW1	LI-RW-7	LI-RW-7-PI1	LI-RW-7-PI2	LI-RW-7-PI3	RW-8	LI-RW-8-GW1
Sampling Company			DECI	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC
Laboratory			PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE
Laboratory Work Order			12:1770	12:1927	E2301	141138	142196	142794	143439	143439	12:2486	E2301	141138	142196	142794	143439	12:2523	E2301
Laboratory Sample ID			12:1770-03	12:1927-01	E2301-01	141138-06	142196-02	142794-03	143439-13	143439-06	12:2486-02	E2301-02	141138-07	142196-01	142794-02	143439-07	12:2523-01	E2301-03
Sample Type	**Units**	**TOGS**							Field Duplicate									
General Chemistry																		
Total Organic Carbon	µg/L	n/v	-	-	-	3400	360000	96600	102000	99700	-	-	-	86900	7500	11500	-	-
Metals																		
Arsenic	µg/L	25[B]	-	-	-	10 U	10 U	10 U	-	10 U	-	-	-	-	-	-	-	-
Iron	µg/L	300.[B]	-	-	-	**318[B]**	**1140[B]**	**1740[B]**	-	**850[B]**	-	-	-	-	-	-	-	-
Lead	µg/L	25[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	µg/L	300.[B]	-	-	-	25.9	66.9	53.5	-	35.9	-	-	-	-	-	-	-	-
Sodium	µg/L	20000[B]	-	-	-	**37800[B]**	**266000[B]**	**167000[B]**	**178000[B]**	**163000[B]**	-	-	-	**126000[B]**	**85200[B]**	**85600[B]**	-	-
Volatile Organic Compounds																		
Acetone	µg/L	50[A]	10.0 UJ	***100 UJ***	4.2 J	***200 U***	***200 U***	10.0 U	***500 U***	***500 U***	-	25 U	10.0 U	10.0 U	10.0 U	10.0 U	-	25 U
Benzene	µg/L	1[B]	0.700 UJ	***7.00 U***	***5 U***	***20 U***	***20 U***	1 U	***50 U***	***50 U***	-	***5 U***	1 U	1 U	1 U	1 U	-	***5 U***
Bromodichloromethane	µg/L	50[A]	2.00 UJ	20.0 U	5 U	40.0 U	40.0 U	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 UJ	50.0 U	5 U	***100 U***	***100 U***	5.00 U	***250 UJ***	***250 UJ***	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 UJ	5.00 U	5 U
Bromomethane (Methyl bromide)	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	2.00 UJ	5 U
Carbon Disulfide	µg/L	60[A]	2.00 UJ	20.0 U	5 U	40.0 U	40.0 U	2.00 U	***100 U***	***100 U***	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U
Chlorobenzene (Monochlorobenzene)	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Chlorobromomethane	µg/L	5..[B]	-	-	5 U	***100 U***	***100 U***	5.00 U	***250 U***	***250 U***	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U
Chloroethane (Ethyl Chloride)	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	R	R	-	-	-	-	-	-	R	-	-	-	-	-	R	-
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Chloromethane	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Cyclohexane	µg/L	n/v	-	-	5 UJ	200 U	200 U	10.0 U	500 U	500 U	-	5 U	10.0 U	10.0 U	10.0 U	10.0 U	-	5 UJ
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	-	***5 U***	***200 U***	***200 U***	***10.0 U***	***500 U***	***500 U***	-	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***5 U***
Dibromochloromethane	µg/L	50[A]	2.00 UJ	20.0 U	5 U	40.0 U	40.0 U	2.00 U	***100 UJ***	***100 UJ***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 U	5 U
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 UJ	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 UJ	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 UJ	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***
Dichlorodifluoromethane (Freon 12)	µg/L	5..[B]	-	-	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	-	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	-	5 U
Dichloroethane, 1,1-	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Dichloroethane, 1,2-	µg/L	0.6[B]	***2.00 UJ***	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	***2.00 U***	***100 U***	***100 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 UJ***	***5 U***
Dichloroethene, 1,1-	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Dichloroethene, cis-1,2-	µg/L	5..[B]	**59.8 J[B]**	**63.1[B]**	**47.3[B]**	**81.9[B]**	**670[B]**	**86.7[B]**	**4070[B]**	**3980[B]**	4.28	**8.2[B]**	2.35	2.65	2.43	2.96	**6.50[B]**	**17.8[B]**
Dichloroethene, trans-1,2-	µg/L	5..[B]	2.00 UJ	***20.0 U***	1.1 J	***40.0 U***	**76.1[B]**	3.31	**77.6 J[B]**	**76.6 J[B]**	2.00 U	0.92 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.1 J
Dichloropropane, 1,2-	µg/L	1[B]	***2.00 UJ***	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	***2.00 U***	***100 U***	***100 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	***2.00 UJ***	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	***2.00 U***	***100 U***	***100 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	***2.00 UJ***	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	***2.00 U***	***100 U***	***100 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***
Dioxane, 1,4-	µg/L	n/v	-	-	R	R	R	R	R	R	-	R	R	R	R	R	-	R
Ethylbenzene	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	-	***5 U***	***40.0 U***	***40.0 U***	***2.00 U***	***100 U***	***100 U***	-	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***5 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	5.00 UJ	50.0 U	25 U	***100 U***	***100 U***	5.00 U	***250 U***	***250 U***	-	25 U	5.00 U	5.00 U	5.00 U	5.00 U	-	25 U
Isopropylbenzene	µg/L	5..[B]	-	-	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Methyl Acetate	µg/L	n/v	-	-	5 U	40.0 U	40.0 U	2.00 U	100 U	100 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	10.0 UJ	***100 U***	25 U	***200 UJ***	***200 U***	13.3 J	***500 U***	***500 U***	-	25 U	10.0 UJ	10.0 U	10.0 UJ	10.0 U	-	25 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.00 UJ	50.0 U	25 U	100 U	100 U	5.00 U	250 U	250 U	-	25 U	5.00 U	5.00 U	5.00 U	5.00 U	-	25 U

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			Off-Site Locations																
			RW-6								RW-7						RW-8		
Sample Date			25-Apr-12	4-May-12	20-May-13	27-Mar-14	28-May-14	1-Jul-14	7-Aug-14	7-Aug-14	12-Jun-12	20-May-13	27-Mar-14	28-May-14	1-Jul-14	7-Aug-14	14-Jun-12	20-May-13
Sample ID			RW-6	RW-6	LI-RW-6-GW1	LI-RW-6	LI-RW-6-PI1	LI-RW-6-PI2	LI-FD-PI3	LI-RW-6-PI3	RW-7	LI-RW-7-GW1	LI-RW-7	LI-RW-7-PI1	LI-RW-7-PI2	LI-RW-7-PI3	RW-8	LI-RW-8-GW1
Sampling Company			DECI	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC
Laboratory			PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE
Laboratory Work Order			12:1770	12:1927	E2301	141138	142196	142794	143439	143439	12:2486	E2301	141138	142196	142794	143439	12:2523	E2301
Laboratory Sample ID			12:1770-03	12:1927-01	E2301-01	141138-06	142196-02	142794-03	143439-13	143439-06	12:2486-02	E2301-02	141138-07	142196-01	142794-02	143439-07	12:2523-01	E2301-03
Sample Type	Units	TOGS							Field Duplicate									
Volatile Organic Compounds (cont'd)																		
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	2.1 J	***40.0 U***	***40.0 U***	1.03 J	***100 U***	***100 U***	-	1.8 J	2.00 U	2.00 U	2.00 U	2.00 U	-	3.3 J
Methylcyclohexane	µg/L	n/v	-	-	5 U	40.0 U	40.0 U	2.00 U	100 U	100 U	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Methylene Chloride (Dichloromethane)	µg/L	5..[B]	5.00 UJ	***50.0 UJ***	5 U	***100 U***	**56.8 J[B]**	5.00 U	***250 U***	***250 U***	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U
Styrene	µg/L	5..[B]	5.00 UJ	***50.0 U***	5 U	***100 U***	***100 U***	5.00 U	***250 U***	***250 U***	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U
Tetrachloroethane, 1,1,2,2-	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Tetrachloroethene (PCE)	µg/L	5..[B]	**881 J[B]**	**732[B]**	**880 D[B]**	**3380[B]**	**84.6[B]**	3.26	***100 U***	***100 U***	2.00 U	0.76 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.3 J
Toluene	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Trichlorobenzene, 1,2,3-	µg/L	5..[B]	-	-	5 U	***100 U***	***100 U***	5.00 U	***250 U***	***250 U***	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U
Trichlorobenzene, 1,2,4-	µg/L	5..[B]	-	-	5 U	***100 U***	***100 U***	5.00 U	***250 U***	***250 U***	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U
Trichloroethane, 1,1,1-	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Trichloroethane, 1,1,2-	µg/L	1[B]	***2.00 UJ***	***20.0 U***	***5 U***	***40.0 U***	***40.0 U***	***2.00 U***	***100 U***	***100 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***
Trichloroethene (TCE)	µg/L	5..[B]	**112 J[B]**	**93.2[B]**	**140[B]**	**283[B]**	**752[B]**	**35.8[B]**	***100 U***	***100 U***	2.00 U	**5.8[B]**	2.85	2.99	3.05	3.12	**7.59[B]**	**20.7[B]**
Trichlorofluoromethane (Freon 11)	µg/L	5..[B]	2.00 UJ	***20.0 U***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	5 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5..[B]	-	-	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Vinyl Acetate	µg/L	n/v	5.00 UJ	50.0 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	2.00 UJ	***20.0 U***	0.52 NJ	***40.0 U***	***40.0 U***	2.00 U	**116[B]**	**115[B]**	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.63 NJ
Xylene, m & p-	µg/L	5..[B]	2.00 UJ	***20.0 U***	***10 U***	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	-	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U	-	***10 U***
Xylene, o-	µg/L	5..[B]	2.00 UJ	***20.0 UJ***	5 U	***40.0 U***	***40.0 U***	2.00 U	***100 U***	***100 U***	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U
Total VOC	µg/L	n/v	1052.8	888.3	1075.22	3744.9	1639.5	143.4	4263.6	4171.6	4.28	17.48	5.2	5.64	5.48	6.08	14.09	48.83
Volatile Organic Tentatively Identified Compounds																		
Total VOC TICs	µg/L	n/v	-	-	5.800 J	-	-	-	-	-	-	2.5 U	-	-	-	-	-	2.5 U

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			Off-Site Locations															
Sample Location			RW-9							RW-12					RW-13			
Sample Date			8-Jun-12	21-May-13	27-Mar-14	29-May-14	1-Jul-14	1-Jul-14	7-Aug-14	8-Jun-12	20-May-13	28-May-14	2-Jul-14	7-Aug-14	12-Jun-12	20-May-13	27-Mar-14	
Sample ID			RW-9	LI-RW-9-GW1	LI-RW-9	LI-RW-9-PI1	LI-RW-9-PI2	LI-RW-DUP-PI2	LI-RW-9-PI3	RW-12	LI-RW-12-GW1	LI-RW-12-PI1	LI-RW-12-PI2	LI-RW-12-PI3	RW-13	LI-RW-13-GW1	LI-RW-13	
Sampling Company			DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	
Laboratory			PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	
Laboratory Work Order			12:2431	E2314	141138	142196	142794	142794	143439	12:2431	E2301	142196	142794	143439	12:2486	E2301	141138	
Laboratory Sample ID			12:2431-01	E2314-07	141138-08	142196-12	142794-04	142794-05	143439-08	12:2431-02	E2301-04	142196-03	142794-14	143439-09	12:2486-01	E2301-05	141138-10	
Sample Type	**Units**	**TOGS**						Field Duplicate										
General Chemistry																		
Total Organic Carbon	µg/L	n/v	-	-	2000	2000	2500	2100	2100	-	-	103000	186000	44800	-	-	-	
Metals																		
Arsenic	µg/L	25[B]	-	-	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	
Iron	µg/L	300.[B]	-	-	100 U	91.9 J	129	91.0 J	86.4 J	-	-	-	-	-	-	-	-	
Lead	µg/L	25[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manganese	µg/L	300.[B]	-	-	15 U	19.8	98.1	94.4	220	-	-	-	-	-	-	-	-	
Sodium	µg/L	20000[B]	-	-	**38100[B]**	**25200[B]**	**29000[B]**	**28800[B]**	**27700[B]**	-	-	**200000[B]**	**255000[B]**	**282000[B]**	-	-	-	
Volatile Organic Compounds																		
Acetone	µg/L	50[A]	-	25 U	10.0 U	6.70 J	10.0 U	10.0 U	10.0 U	-	25 U	10.0 U	10.0 U	10.0 U	-	25 U	10.0 U	
Benzene	µg/L	1[B]	-	***5 U***	1 U	1 U	1 U	1 U	1 U	-	***5 U***	1 U	1 U	1 U	-	***5 U***	1 U	
Bromodichloromethane	µg/L	50[A]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ	5.00 U	5 U	5.00 U	5.00 U	5.00 UJ	5.00 U	5 U	5.00 U	
Bromomethane (Methyl bromide)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 UJ	2.00 UJ	2.00 U	2.00 U	5 U	2.00 U	2.00 UJ	2.00 U	2.00 U	5 U	2.00 U	
Carbon Disulfide	µg/L	60[A]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Chlorobenzene (Monochlorobenzene)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Chlorobromomethane	µg/L	5..[B]	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	
Chloroethane (Ethyl Chloride)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	R	-	-	-	-	-	-	R	-	-	-	-	R	-	-	
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Chloromethane	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Cyclohexane	µg/L	n/v	-	5 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	-	5 UJ	10.0 U	10.0 U	10.0 U	-	5 UJ	10.0 U	
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***5 U***	***10.0 U***	
Dibromochloromethane	µg/L	50[A]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 U	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U	5 U	2.00 U	
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	***5 U***	2.00 U	
Dichlorodifluoromethane (Freon 12)	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 UJ	2.00 UJ	2.00 U	-	5 U	2.00 U	2.00 UJ	2.00 U	-	5 U	2.00 U	
Dichloroethane, 1,1-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Dichloroethane, 1,2-	µg/L	0.6[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	
Dichloroethene, 1,1-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Dichloroethene, cis-1,2-	µg/L	5..[B]	2.00 U	1.2 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	**24.5[B]**	**26.5[B]**	**79.5[B]**	**118[B]**	**36.2[B]**	2.00 U	5 U	2.00 U	
Dichloroethene, trans-1,2-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.2 J	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	
Dichloropropane, 1,2-	µg/L	1[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	
Dioxane, 1,4-	µg/L	n/v	-	100 U	R	R	R	R	R	-	R	R	R	R	-	R	R	
Ethylbenzene	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***5 U***	***2.00 U***	
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	-	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	25 U	5.00 U	5.00 U	5.00 U	-	25 U	5.00 U	
Isopropylbenzene	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	
Methyl Acetate	µg/L	n/v	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	-	25 U	10.0 UJ	10.0 U	10.0 UJ	10.0 UJ	10.0 U	-	25 U	10.0 U	10.0 UJ	10.0 U	-	25 U	10.0 UJ	
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	-	25 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	25 U	5.00 U	5.00 U	5.00 U	-	25 U	5.00 U	

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

			Off-Site Locations															
Sample Location			RW-9							RW-12					RW-13			
Sample Date			8-Jun-12	21-May-13	27-Mar-14	29-May-14	1-Jul-14	1-Jul-14	7-Aug-14	8-Jun-12	20-May-13	28-May-14	2-Jul-14	7-Aug-14	12-Jun-12	20-May-13	27-Mar-14
Sample ID			RW-9	LI-RW-9-GW1	LI-RW-9	LI-RW-9-PI1	LI-RW-9-PI2	LI-RW-DUP-PI2	LI-RW-9-PI3	RW-12	LI-RW-12-GW1	LI-RW-12-PI1	LI-RW-12-PI2	LI-RW-12-PI3	RW-13	LI-RW-13-GW1	LI-RW-13
Sampling Company			DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC	STANTEC	STANTEC	DECI	STANTEC	STANTEC
Laboratory			PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH	CCGE	PARAROCH
Laboratory Work Order			12:2431	E2314	141138	142196	142794	142794	143439	12:2431	E2301	142196	142794	143439	12:2486	E2301	141138
Laboratory Sample ID			12:2431-01	E2314-07	141138-08	142196-12	142794-04	142794-05	143439-08	12:2431-02	E2301-04	142196-03	142794-14	143439-09	12:2486-01	E2301-05	141138-10
Sample Type	**Units**	**TOGS**						Field Duplicate										
Volatile Organic Compounds (cont'd)																		
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	0.85 J	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Methylcyclohexane	µg/L	n/v	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5..[B]	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5.00 U
Styrene	µg/L	5..[B]	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5..[B]	**11.3[B]**	**8.5[B]**	3.04	3.58	4.10	4.11	3.20	2.71	4.9 J	**5.52[B]**	4.37	2.78	2.00 U	2.8 J	2.00
Toluene	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5..[B]	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5..[B]	-	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U	5.00 U	5.00 U	-	5 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***5 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5..[B]	2.00 U	1.5 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	**6.80[B]**	**15[B]**	**25.1[B]**	**29.8[B]**	4.38	2.00 U	0.99 J	2.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5..[B]	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	2.00 U	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.55 J	2.00 U	1.17 J	**2.27[B]**	2.00 U	***5 U***	2.00 U
Xylene, m & p-	µg/L	5..[B]	-	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	***10 U***	2.00 U	2.00 U	2.00 U	-	***10 U***	2.00 U
Xylene, o-	µg/L	5..[B]	-	5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U	2.00 U	2.00 U	-	5 U	2.00 U
Total VOC	µg/L	n/v	11.3	11.2	3.04	10.28	4.1	4.11	3.2	34.01	49	110.12	153.34	45.63	ND	3.79	2
Volatile Organic Tentatively Identified Compounds																		
Total VOC TICs	µg/L	n/v	-	2.5 U	-	-	-	-	-	-	2.5 U	-	-	-	-	2.5 U	-

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location	Units	TOGS	QA/QC Trip Blank						
Sample Date			12-Jun-12	20-May-13	21-May-13	27-Mar-14	29-May-14	1-Jul-14	8-Aug-14
Sample ID			Trip Blank 7346	Trip Blank	Trip Blank	Trip Blank	LI-Trip Blank-PI1	LI-TRIPBLANK-PI2	Trip Blank (T-532)
Sampling Company			DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			12:2486	E2301	E2314	141138	142196	142794	143439
Laboratory Sample ID			12:2486-03	E2301-07	E2314-08	141138-15	142196-08	142794-01	143439-14
Sample Type			Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
General Chemistry									
Total Organic Carbon	µg/L	n/v	-	-	-	-	-	-	-
Metals									
Arsenic	µg/L	25[B]	-	-	-	-	-	-	-
Iron	µg/L	300.[B]	-	-	-	-	-	-	-
Lead	µg/L	25[B]	-	-	-	-	-	-	-
Manganese	µg/L	300.[B]	-	-	-	-	-	-	-
Sodium	µg/L	20000[B]	-	-	-	-	-	-	-
Volatile Organic Compounds									
Acetone	µg/L	50[A]	-	25 U	25 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	µg/L	1[B]	-	***5 U***	***5 U***	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	50[A]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 UJ
Bromomethane (Methyl bromide)	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U
Carbon Disulfide	µg/L	60[A]	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobromomethane	µg/L	5..[B]	-	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	R	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Cyclohexane	µg/L	n/v	-	5 UJ	5 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	-	***5 U***	***5 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***
Dibromochloromethane	µg/L	50[A]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 UJ
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 U	***5 U***	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 U	***5 U***	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 U	***5 U***	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5..[B]	-	5 U	5 U	2.00 U	2.00 U	2.00 UJ	2.00 U
Dichloroethane, 1,1-	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	***2.00 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, trans-1,2-	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[B]	***2.00 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	***2.00 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	***2.00 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	-	R	100 U	R	R	R	R
Ethylbenzene	µg/L	5..[B]	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	-	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	-	25 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U
Isopropylbenzene	µg/L	5..[B]	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Acetate	µg/L	n/v	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	-	25 U	25 U	10.0 UJ	10.0 U	10.0 UJ	10.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	-	25 U	25 U	5.00 U	5.00 U	5.00 U	5.00 U

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location						QA/QC Trip Blank			
Sample Date			12-Jun-12	20-May-13	21-May-13	27-Mar-14	29-May-14	1-Jul-14	8-Aug-14
Sample ID			Trip Blank 7346	Trip Blank	Trip Blank	Trip Blank	LI-Trip Blank-PI1	LI-TRIPBLANK-PI2	Trip Blank (T-532)
Sampling Company			DECI	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	CCGE	CCGE	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			12:2486	E2301	E2314	141138	142196	142794	143439
Laboratory Sample ID			12:2486-03	E2301-07	E2314-08	141138-15	142196-08	142794-01	143439-14
Sample Type	Units	TOGS	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds (cont'd)									
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylcyclohexane	µg/L	n/v	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5..[B]	5.00 U	5 U	3.4 J	5.00 U	5.00 U	5.00 U	5.00 U
Styrene	µg/L	5..[B]	-	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	µg/L	5..[B]	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5..[B]	-	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5..[B]	-	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	***2.00 U***	***5 U***	***5 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5..[B]	2.00 U	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5..[B]	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	2.00 U	***5 U***	***5 U***	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, m & p-	µg/L	5..[B]	-	***10 U***	***10 U***	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, o-	µg/L	5..[B]	-	5 U	5 U	2.00 U	2.00 U	2.00 U	2.00 U
Total VOC	µg/L	n/v	ND	ND	3.4	ND	ND	ND	ND
Volatile Organic Tentatively Identified Compounds									
Total VOC TICs	µg/L	n/v	-	2.5 U	2.5 U	-	-	-	-

See last page for notes.

Table 2
Summary of Analytical Results in Groundwater

Former Carriage Factory
33 Litchfield Street, Rochester, New York

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
A	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
B	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory reportable detection limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory reportable detection limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
*	The standard for Iron and Manganese is 500 ug/L, which applies to the sum of these substances. As individual standards, the standard is 300 ug/L.
**	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
p	Applies to the sum of cis- and trans-1,3-dichloropropene.
B	Indicates analyte was found in associated blank, as well as in the sample.
D	Indicates reanalysis of sample with additional dilution to address exceedance of instrument calibration range.
J	The reported result is an estimated value.
M	Denotes matrix spike recoveries outside QC limits. Matrix bias indicated.
N	Indicates presumptive evidence of a compound. Identification of tentatively identified compound is based on a mass spectral library search.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
Q	Indicates LCS control criteria did not meet requirements
U	Indicates that the analyte was analyzed but not detected.
UJ	Indicates estimated non-detect.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S		LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Date			17-Apr-13	18-Apr-13	18-Apr-13	1-May-13	1-May-13	1-May-13	1-May-13	1-May-13	9-May-13	9-May-13	13-May-13	13-May-13	14-May-13	14-May-13	14-May-13	14-May-13
Sample ID			LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S	LI-B-FD	LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Depth			1.3 ft	1.5 ft	1.5 ft	1.5 ft	1 ft	1 ft	2 ft	2.75 ft	1 ft	1.5 ft	1 - 1.5 ft	2 ft	1.75 ft	1.5 ft	1.5 ft	1.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131326	131358	131358	131529	131529	131529	131529	131529	131694	131694	131733	131733	131744	131744	131744	131744
Laboratory Sample ID			131326-01	131358-01	131358-02	131529-01	131529-02	131529-04	131529-03	131529-05	131694-01	131694-02	131733-01	131733-02	131744-01	131744-02	131744-03	131744-04
Sample Type	Units	NYSDEC						Field Duplicate										
General Chemistry																		
Corrosivity (as pH)	S.U.	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/kg	27_{I}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flashpoint	deg C	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																		
Aluminum	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	16_{g}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/kg	400[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	72[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/kg	4.3[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Total)	mg/kg	$_{NS,q}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	270[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	400[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	2000_{g}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	0.81_{k}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	310[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/kg	180[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/kg	180[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	10000_{e}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																		
Aroclor 1016	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1221	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1232	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1242	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1248	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1254	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1260	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1262	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U
Aroclor 1268	mg/kg	1_{o}[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0322 U

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location	Units	NYSDEC	LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S		LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Date			17-Apr-13	18-Apr-13	18-Apr-13	1-May-13	1-May-13	1-May-13	1-May-13	1-May-13	9-May-13	9-May-13	13-May-13	13-May-13	14-May-13	14-May-13	14-May-13	14-May-13
Sample ID			LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S	LI-B-FD	LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Depth			1.3 ft	1.5 ft	1.5 ft	1.5 ft	1 ft	1 ft	2 ft	2.75 ft	1 ft	1.5 ft	1 - 1.5 ft	2 ft	1.75 ft	1.5 ft	1.5 ft	1.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131326	131358	131358	131529	131529	131529	131529	131529	131694	131694	131733	131733	131744	131744	131744	131744
Laboratory Sample ID			131326-01	131358-01	131358-02	131529-01	131529-02	131529-04	131529-03	131529-05	131694-01	131694-02	131733-01	131733-02	131744-01	131744-02	131744-03	131744-04
Sample Type								Field Duplicate										
Pesticides																		
Aldrin	µg/kg	97[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha-	µg/kg	480[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, beta-	µg/kg	360[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, delta-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camphechlor (Toxaphene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, alpha-	µg/kg	4200[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (p,p'-DDD)	µg/kg	13000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (p,p'-DDE)	µg/kg	8900[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (p,p'-DDT)	µg/kg	7900[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	200[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	µg/kg	24000$_i$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	µg/kg	24000$_i$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan Sulfate	µg/kg	24000$_i$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	µg/kg	11000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Aldehyde	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Ketone	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/kg	2100[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds																		
Acenaphthene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Acenaphthylene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Acetophenone	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Anthracene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	259 J	885	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Atrazine	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Benzaldehyde	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Benzo(a)anthracene	µg/kg	1000$_g$[A]	324 U	323 U	331 U	325 UJ	327 U	525	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Benzo(a)pyrene	µg/kg	1000$_g$[A]	324 U	323 U	331 U	325 UJ	327 U	379	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	1000$_g$[A]	324 U	323 U	331 U	325 UJ	327 U	340	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	3900[A]	324 U	323 U	331 U	325 UJ	327 U	225 J	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	1450	323 U	319 U	1440	-	-	-	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Butyl Benzyl Phthalate	µg/kg	NS[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Caprolactam	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Carbazole	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Chloroaniline, 4-	µg/kg	NS[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Chloronaphthalene, 2-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Chrysene	µg/kg	3900[A]	324 U	323 U	331 U	187 J	201 J	769	334 U	323 U	205 J	328 U	-	-	-	-	-	-
Cresol, m & p- (Methylphenol, 3&4-)	µg/kg	100000$_b$[A]	324 U	323 U	331 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	100000$_b$[A]	-	-	-	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	330$_i$[A]	324 U	323 U	***331 U***	325 UJ	327 U	***340 U***	***334 U***	323 U	319 U	328 U	-	-	-	-	-	-
Dibenzofuran	µg/kg	59000[A]	324 U	323 U	331 U	325 UJ	327 U	243 J	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Dibutyl Phthalate (DBP)	µg/kg	NS[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S		LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Date			17-Apr-13	18-Apr-13	18-Apr-13	1-May-13	1-May-13	1-May-13	1-May-13	1-May-13	9-May-13	9-May-13	13-May-13	13-May-13	14-May-13	14-May-13	14-May-13	14-May-13
Sample ID			LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S	LI-B-FD	LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Depth			1.3 ft	1.5 ft	1.5 ft	1.5 ft	1 ft	1 ft	2 ft	2.75 ft	1 ft	1.5 ft	1 - 1.5 ft	2 ft	1.75 ft	1.5 ft	1.5 ft	1.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131326	131358	131358	131529	131529	131529	131529	131529	131694	131694	131733	131733	131744	131744	131744	131744
Laboratory Sample ID			131326-01	131358-01	131358-02	131529-01	131529-02	131529-04	131529-03	131529-05	131694-01	131694-02	131733-01	131733-02	131744-01	131744-02	131744-03	131744-04
Sample Type	Units	NYSDEC						Field Duplicate										
Semi-Volatile Organic Compounds (cont'd)																		
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Dichlorophenol, 2,6-	µg/kg	n/v	-	-	-	-	-	-	-	-	319 U	328 U	-	-	-	-	-	-
Diethyl Phthalate	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Dimethyl Phthalate	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	638 U	657 U	-	-	-	-	-	-
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Dinitro-o-cresol, 4,6-	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	-	-	-	-	-	-	-	-
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	-	-	-	-	-	-	-	-
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Di-n-Octyl phthalate	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Fluoranthene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	246 J	458	2240	334 U	323 U	268 J	328 U	-	-	-	-	-	-
Fluorene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	477	334 U	323 U	186 J	328 U	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	1200[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Hexachloroethane	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A]	324 U	323 U	331 U	173 J	327 U	427	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Isophorone	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Naphthalene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Nitroaniline, 2-	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	638 U	657 U	-	-	-	-	-	-
Nitroaniline, 3-	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	638 U	657 U	-	-	-	-	-	-
Nitroaniline, 4-	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	638 U	657 U	-	-	-	-	-	-
Nitrobenzene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Nitrophenol, 2-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Nitrophenol, 4-	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	-	-	-	-	-	-	-	-
N-Nitrosodi-n-Propylamine	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
n-Nitrosodiphenylamine	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Pentachlorophenol	µg/kg	6700[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	-	-	-	-	-	-	-	-
Phenanthrene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	314 J	327 U	2750	334 U	323 U	462	328 U	-	-	-	-	-	-
Phenol	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Pyrene	µg/kg	100000$_b$[A]	324 U	323 U	331 U	279 J	331	1470	334 U	323 U	209 J	328 U	-	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	319 U	328 U	-	-	-	-	-	-
Trichlorophenol, 2,4,5-	µg/kg	100000$_b$[A]	649 U	647 U	661 U	651 UJ	654 U	679 U	669 U	646 U	-	-	-	-	-	-	-	-
Trichlorophenol, 2,4,6-	µg/kg	100000$_b$[A]	324 U	323 U	331 U	325 UJ	327 U	340 U	334 U	323 U	-	-	-	-	-	-	-	-
Semi-Volatile Organic Tentatively Identified Compounds																		
Total SVOC TICs	µg/kg	n/v	38654	30753	ND	37624 J	14588	55200	32220	16901 J	60904	296650	-	-	-	-	-	-
Volatile Organic Compounds																		
Acetone	µg/kg	100000$_b$[A]	22.6 U	9.38	22.0 U	495 UJ	67.7	268 U	**173000 B[A]**	20.3 UJ	366 U	223 U	10.6 J	275 U	31 U	25 U	20 UJ	-
Benzene	µg/kg	4800[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	***14700 U***	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Bromodichloromethane	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Bromoform (Tribromomethane)	µg/kg	100000$_b$[A]	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Bromomethane (Methyl bromide)	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Butylbenzene, n-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000$_b$[A]	4.51 U	2.16	4.40 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	***14700 U***	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S		LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Date			17-Apr-13	18-Apr-13	18-Apr-13	1-May-13	1-May-13	1-May-13	1-May-13	1-May-13	9-May-13	9-May-13	13-May-13	13-May-13	14-May-13	14-May-13	14-May-13	14-May-13
Sample ID			LI-B-1S	LI-B-3S	LI-B-4S	LI-B-5S	LI-B-6S	LI-B-FD	LI-B-7S	LI-B-8S	LI-B-9S	LI-B-10S	LI-B-11S	LI-B-14S	LI-B-15S	LI-B-16S	LI-B-17S	LI-B-18S
Sample Depth			1.3 ft	1.5 ft	1.5 ft	1.5 ft	1 ft	1 ft	2 ft	2.75 ft	1 ft	1.5 ft	1 - 1.5 ft	2 ft	1.75 ft	1.5 ft	1.5 ft	1.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131326	131358	131358	131529	131529	131529	131529	131529	131694	131694	131733	131733	131744	131744	131744	131744
Laboratory Sample ID			131326-01	131358-01	131358-02	131529-01	131529-02	131529-04	131529-03	131529-05	131694-01	131694-02	131733-01	131733-02	131744-01	131744-02	131744-03	131744-04
Sample Type	Units	NYSDEC						Field Duplicate										
Volatile Organic Compounds (cont'd)																		
Chlorobenzene (Monochlorobenzene)	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Chlorobromomethane	µg/kg	n/v	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Chloroethane (Ethyl Chloride)	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Chloroform (Trichloromethane)	µg/kg	49000[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Chloromethane	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Cyclohexane	µg/kg	n/v	22.6 U	17.5 U	22.0 U	495 UJ	51.4 U	268 U	73400 U	20.3 UJ	366 U	223 U	18.7 U	275 U	22.0 U	21.1 U	20.3 UJ	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	22.6 U	17.5 U	22.0 U	495 UJ	51.4 U	268 U	73400 U	20.3 UJ	366 U	223 U	18.7 U	275 U	22.0 U	21.1 U	20.3 UJ	-
Dibromochloromethane	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	***14700 U***	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloroethane, 1,1-	µg/kg	26000[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloroethane, 1,2-	µg/kg	3100[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	***14700 U***	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloroethene, 1,1-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloroethene, cis-1,2-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	27.0	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	2.61 J	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloroethene, trans-1,2-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.77	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloropropane, 1,2-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloropropene, cis-1,3-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dichloropropene, trans-1,3-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Dioxane, 1,4-	µg/kg	13000[A]	45.1 U	34.9 U	44.0 U	R	103 U	536 U	***147000 U***	R	731 U	446 U	37.4 U	549 U	R	R	R	-
Ethylbenzene	µg/kg	41000[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	35.3	53.6 U	14700 U	21.3 J	45.5 J	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000$_b$[A]	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Isopropylbenzene	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	85.0 J	20.6	95.7	14700 U	4.06 UJ	245	44.6 U	5.88	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Isopropyltoluene, p- (Cymene)	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/kg	n/v	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Methyl Ethyl Ketone (MEK)	µg/kg	100000$_b$[A]	22.6 U	17.5 U	22.0 U	495 UJ	51.4 U	268 U	73400 U	20.3 UJ	366 U	223 U	18.7 U	275 U	22.0 UJ	21.1 UJ	20.3 UJ	-
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000$_b$[A]	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Methyl tert-butyl ether (MTBE)	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Methylcyclohexane	µg/kg	n/v	4.51 U	3.49 U	4.40 U	2760 J	491	2940	14700 U	4.06 UJ	2430	89.8	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Methylene Chloride (Dichloromethane)	µg/kg	100000$_b$[A]	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Naphthalene	µg/kg	100000$_b$[A]	11.3 U	8.74 U	11.0 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/kg	100000$_b$[A]	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Tetrachloroethane, 1,1,2,2-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Tetrachloroethene (PCE)	µg/kg	19000[A]	6.07	3.49 U	2.35	99.0 UJ	35.3	53.6 U	**371000[A]**	16.9 J	73.1 U	43.2 J	102	2410	4.40 U	5.71	59.7 J	-
Toluene	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	7.72 J	53.6 U	14700 U	2.40 J	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Trichlorobenzene, 1,2,3-	µg/kg	n/v	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	11.3 U	8.74 U	11.0 U	248 UJ	25.7 U	134 U	36700 U	10.1 UJ	183 U	111 U	9.35 U	137 U	11.0 U	10.6 U	10.2 UJ	-
Trichloroethane, 1,1,1-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Trichloroethane, 1,1,2-	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Trichloroethene (TCE)	µg/kg	21000[A]	4.51 U	3.49 U	63.5	99.0 UJ	5.99 J	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	42.1	33.1 J	4.40 U	4.23 U	25.9 J	-
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000$_b$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	14700 U	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Trimethylbenzene, 1,2,4-	µg/kg	52000[A]	4.51 U	3.49 U	4.40 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/kg	52000[A]	4.51 U	3.49 U	4.40 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/kg	900[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	10.3 U	53.6 U	***14700 U***	4.06 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Xylene, m & p-	µg/kg	100000$_{b,p}$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	145	51.1 J	14700 U	92 UJ	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Xylene, o-	µg/kg	100000$_{b,p}$[A]	4.51 U	3.49 U	4.40 U	99.0 UJ	39.1	53.6 U	14700 U	25.5 J	73.1 U	44.6 U	3.74 U	54.9 U	4.40 U	4.23 U	4.07 UJ	-
Volatile Organic Tentatively Identified Compounds																		
Total VOC TICs	µg/kg	n/v	5721	3402.2	79.7	78710 J	12187	64930	ND	2953.5 J	100330	8193	4828.8	2082 B	55.3 J	178 J	131.4 J	-

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI-EL-S2c	LI-EL-S2g	LI-FB-1	LI-SW-1
Sample Date			17-May-13	20-May-13	28-May-13	28-May-13	28-May-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	27-Jun-13	27-Jun-13	27-Jun-13	7-Aug-13	7-Aug-13	10-Jun-13	10-Jun-13
Sample ID			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI - EL - S2c	LI - EL - S2g	LI-FB-1	LI-SW-1
Sample Depth			2.2 ft	1.5 ft	2 ft	2 ft	3 ft	2.5 ft	2 ft	2.5 ft	2.5 ft	2.5 ft							
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131809	131819	131916	131916	131916	132045	132045	132045	132045	132045	132374	132374	132374	133003	133003	132107	132107
Laboratory Sample ID			131809-01	131819-01	131916-01	131916-02	131916-03	132045-01	132045-02	132045-03	132045-04	132045-05	132374-03	132374-02	132374-01	133003-02	133003-01	132107-02	132107-01
Sample Type	Units	NYSDEC																	
General Chemistry																			
Corrosivity (as pH)	S.U.	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	7.53 @23.3C	-	-	-
Cyanide	mg/kg	27$_{I}$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0 U	-	-	-
Flashpoint	deg C	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	70.0 >	-	-	-
Sulfide	mg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Metals																			
Aluminum	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	7320 D	-	8220	6190	-	-	-
Antimony	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	6.90 U	-	42.1	26.2	-	-	-
Arsenic	mg/kg	16$_{g}$[A]	-	-	-	-	-	-	-	-	-	-	3.72	-	11.7	13.9	-	-	-
Barium	mg/kg	400[A]	-	-	-	-	-	-	-	-	-	-	41.4	-	**4520[A]**	**1580[A]**	-	-	-
Beryllium	mg/kg	72[A]	-	-	-	-	-	-	-	-	-	-	0.575 U	-	1.86 U	1.22 U	-	-	-
Cadmium	mg/kg	4.3[A]	-	-	-	-	-	-	-	-	-	-	0.634 D	-	**25.6[A]**	**23.7[A]**	-	-	-
Calcium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	145000 D	-	40700	44400	-	-	-
Chromium (Total)	mg/kg	$_{NS,q}$[A]	-	-	-	-	-	-	-	-	-	-	13.3	-	99.7	92.7	-	-	-
Cobalt	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	3.66 J	-	15.3 J	21.4	-	-	-
Copper	mg/kg	270[A]	-	-	-	-	-	-	-	-	-	-	28.5	-	**1540[A]**	**1920[A]**	-	-	-
Iron	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	32300 D	-	79800	106000	-	-	-
Lead	mg/kg	400[A]	-	-	-	-	-	-	-	-	-	-	145 M	-	**2030[A]**	**1140[A]**	-	-	-
Magnesium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	32700 D	-	6800	5990	-	-	-
Manganese	mg/kg	2000$_{g}$[A]	-	-	-	-	-	-	-	-	-	-	477 M	-	614	776	-	-	-
Mercury	mg/kg	0.81$_{L}$[A]	-	-	-	-	-	-	-	-	-	-	0.0265	-	0.0604 U	**2.14[A]**	-	-	-
Nickel	mg/kg	310[A]	-	-	-	-	-	-	-	-	-	-	11.6	-	216	104	-	-	-
Potassium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	1530	-	1650	1470	-	-	-
Selenium	mg/kg	180[A]	-	-	-	-	-	-	-	-	-	-	0.747 J	-	4.49	4.32	-	-	-
Silver	mg/kg	180[A]	-	-	-	-	-	-	-	-	-	-	2.13	-	**213[A]**	**448[A]**	-	-	-
Sodium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	286 J	-	928 U	391 J	-	-	-
Thallium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	5.09	-	9.28 U	6.11 U	-	-	-
Vanadium	mg/kg	$_{NS}$[A]	-	-	-	-	-	-	-	-	-	-	13.2	-	30.4	14.7	-	-	-
Zinc	mg/kg	10000$_{e}$[A]	-	-	-	-	-	-	-	-	-	-	72.9 D	-	4280	3140	-	-	-
Polychlorinated Biphenyls																			
Aroclor 1016	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.212 U	0.0638 U	-	-	-
Aroclor 1221	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.212 U	0.0638 U	-	-	-
Aroclor 1232	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.212 U	0.0638 U	-	-	-
Aroclor 1242	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.212 U	0.0638 U	-	-	-
Aroclor 1248	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.212 U	0.0638 U	-	-	-
Aroclor 1254	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.270	0.259	-	-	-
Aroclor 1260	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.212 U	0.0638 U	-	-	-
Aroclor 1262	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	**1.08[A]**	0.499	-	-	-
Aroclor 1268	mg/kg	1$_{o}$[A]	-	-	-	-	-	-	-	-	-	-	0.0317 U	-	0.212 U	0.0638 U	-	-	-

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI-EL-S2c	LI-EL-S2g	LI-FB-1	LI-SW-1
Sample Date			17-May-13	20-May-13	28-May-13	28-May-13	28-May-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	27-Jun-13	27-Jun-13	27-Jun-13	7-Aug-13	7-Aug-13	10-Jun-13	10-Jun-13
Sample ID			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI - EL - S2c	LI - EL - S2g	LI-FB-1	LI-SW-1
Sample Depth			2.2 ft	1.5 ft	2 ft	2 ft	3 ft	2.5 ft	2 ft	2.5 ft	2.5 ft	2.5 ft							
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131809	131819	131916	131916	131916	132045	132045	132045	132045	132045	132374	132374	132374	133003	133003	132107	132107
Laboratory Sample ID			131809-01	131819-01	131916-01	131916-02	131916-03	132045-01	132045-02	132045-03	132045-04	132045-05	132374-03	132374-02	132374-01	133003-02	133003-01	132107-02	132107-01
Sample Type	Units	NYSDEC																	
Pesticides																			
Aldrin	µg/kg	97[A]	-	-	-	-	-	-	-	-	-	-	-	-	56.1 C	35.7 C	-	-	-
BHC, alpha-	µg/kg	480[A]	-	-	-	-	-	-	-	-	-	-	-	-	21.4 C	19.2 J	-	-	-
BHC, beta-	µg/kg	360[A]	-	-	-	-	-	-	-	-	-	-	-	-	19.0 C J	29.0 J	-	-	-
BHC, delta-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	80.7 C	25.7 J	-	-	-
Camphechlor (Toxaphene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	212 U	319 U	-	-	-
Chlordane, alpha-	µg/kg	4200[A]	-	-	-	-	-	-	-	-	-	-	-	-	15.8 C J	31.9 U	-	-	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	21.2 U	63.3	-	-	-
DDD (p,p'-DDD)	µg/kg	13000[A]	-	-	-	-	-	-	-	-	-	-	-	-	73.1 C	241 C	-	-	-
DDE (p,p'-DDE)	µg/kg	8900[A]	-	-	-	-	-	-	-	-	-	-	-	-	110	31.9 U	-	-	-
DDT (p,p'-DDT)	µg/kg	7900[A]	-	-	-	-	-	-	-	-	-	-	-	-	316	20.1 CJ	-	-	-
Dieldrin	µg/kg	200[A]	-	-	-	-	-	-	-	-	-	-	-	-	113 C	118 C	-	-	-
Endosulfan I	µg/kg	24000$_i$[A]	-	-	-	-	-	-	-	-	-	-	-	-	21.2 U	31.9 U	-	-	-
Endosulfan II	µg/kg	24000$_i$[A]	-	-	-	-	-	-	-	-	-	-	-	-	176 C	62.9 C	-	-	-
Endosulfan Sulfate	µg/kg	24000$_i$[A]	-	-	-	-	-	-	-	-	-	-	-	-	104 C	450	-	-	-
Endrin	µg/kg	11000[A]	-	-	-	-	-	-	-	-	-	-	-	-	110 C	58.3 C	-	-	-
Endrin Aldehyde	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	267	10.2 C	-	-	-
Endrin Ketone	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	86.4 C	69.5	-	-	-
Heptachlor	µg/kg	2100[A]	-	-	-	-	-	-	-	-	-	-	-	-	21.2 U	31.9 U	-	-	-
Heptachlor Epoxide	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	21.2 U	31.9 U	-	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300[A]	-	-	-	-	-	-	-	-	-	-	-	-	21.2 U	31.9 U	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	21.2 U	864 C	-	-	-
Semi-Volatile Organic Compounds																			
Acenaphthene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Acenaphthylene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Acetophenone	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Anthracene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	5990 J	6340 U	-	-	-
Atrazine	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Benzaldehyde	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Benzo(a)anthracene	µg/kg	1000$_g$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	**20900[A]**	**4160 J[A]**	-	-	-
Benzo(a)pyrene	µg/kg	1000$_g$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	**18600[A]**	**3770 J[A]**	-	-	-
Benzo(b)fluoranthene	µg/kg	1000$_g$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	**31000[A]**	**4590 J[A]**	-	-	-
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	13600	3360 J	-	-	-
Benzo(k)fluoranthene	µg/kg	3900[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	**29800[A]**	***6340 U***	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	210 J	-	10700	12700	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Butyl Benzyl Phthalate	µg/kg	NS[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	3190 J	-	-	-
Caprolactam	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Carbazole	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Chloroaniline, 4-	µg/kg	NS[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Chloronaphthalene, 2-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Chrysene	µg/kg	3900[A]	319 U	546	-	-	-	-	-	-	-	-	312 U	-	**24500[A]**	**6560[A]**	-	-	-
Cresol, m & p- (Methylphenol, 3&4-)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dibenzo(a,h)anthracene	µg/kg	330$_i$[A]	319 U	***343 U***	-	-	-	-	-	-	-	-	312 U	-	***10100 U***	***6340 U***	-	-	-
Dibenzofuran	µg/kg	59000[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dibutyl Phthalate (DBP)	µg/kg	NS[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI-EL-S2c	LI-EL-S2g	LI-FB-1	LI-SW-1
Sample Date			17-May-13	20-May-13	28-May-13	28-May-13	28-May-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	27-Jun-13	27-Jun-13	27-Jun-13	7-Aug-13	7-Aug-13	10-Jun-13	10-Jun-13
Sample ID			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI - EL - S2c	LI - EL - S2g	LI-FB-1	LI-SW-1
Sample Depth			2.2 ft	1.5 ft	2 ft	2 ft	3 ft	2.5 ft	2 ft	2.5 ft	2.5 ft	2.5 ft							
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131809	131819	131916	131916	131916	132045	132045	132045	132045	132045	132374	132374	132374	133003	133003	132107	132107
Laboratory Sample ID			131809-01	131819-01	131916-01	131916-02	131916-03	132045-01	132045-02	132045-03	132045-04	132045-05	132374-03	132374-02	132374-01	133003-02	133003-01	132107-02	132107-01
Sample Type	Units	NYSDEC																	
Semi-Volatile Organic Compounds (cont'd)																			
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dichlorophenol, 2,6-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl Phthalate	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dimethyl Phthalate	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dinitro-o-cresol, 4,6-	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Di-n-Octyl phthalate	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Fluoranthene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	38500	7630	-	-	-
Fluorene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Hexachlorobenzene	µg/kg	1200[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	***10100 U***	***6340 U***	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Hexachloroethane	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	**17100**[A]	***6340 U***	-	-	-
Isophorone	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Methylnaphthalene, 2-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Naphthalene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Nitroaniline, 2-	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
Nitroaniline, 3-	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
Nitroaniline, 4-	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
Nitrobenzene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Nitrophenol, 2-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Nitrophenol, 4-	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
N-Nitrosodi-n-Propylamine	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
n-Nitrosodiphenylamine	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Pentachlorophenol	µg/kg	6700[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	***20200 U***	***12700 U***	-	-	-
Phenanthrene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	29100	5400 J	-	-	-
Phenol	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Pyrene	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	37000	8850	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Trichlorophenol, 2,4,5-	µg/kg	100000$_b$[A]	637 U	686 U	-	-	-	-	-	-	-	-	623 U	-	20200 U	12700 U	-	-	-
Trichlorophenol, 2,4,6-	µg/kg	100000$_b$[A]	319 U	343 U	-	-	-	-	-	-	-	-	312 U	-	10100 U	6340 U	-	-	-
Semi-Volatile Organic Tentatively Identified Compounds																			
Total SVOC TICs	µg/kg	n/v	24026	18786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
Acetone	µg/kg	100000$_b$[A]	399 U	315 U	20.1 U	1440 B	13.8 J B	20.2 U	18.7 U	20.5 U	19.5 U	24.0 U	185	138 J	3240	-	***834000 U***	46 U	23 U
Benzene	µg/kg	4800[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U M	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Bromodichloromethane	µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Bromoform (Tribromomethane)	µg/kg	100000$_b$[A]	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	***417000 U***	10.6 U	10.1 U
Bromomethane (Methyl bromide)	µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Butylbenzene, n-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	17.6 J	33.1 U	185	-	***167000 U***	4.25 U	4.05 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI-EL-S2c	LI-EL-S2g	LI-FB-1	LI-SW-1
Sample Date			17-May-13	20-May-13	28-May-13	28-May-13	28-May-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	5-Jun-13	27-Jun-13	27-Jun-13	27-Jun-13	7-Aug-13	7-Aug-13	10-Jun-13	10-Jun-13
Sample ID			LI-B-19S	LI-B-20S	LI-B-22S	LI-B-23S	LI-B-24S	LI-B-25S	LI-B-26S	LI-B-27S	LI-B-28S	LI-B-29S	LI-B-30S	LI-B-C1	LI-EL-S1	LI - EL - S2c	LI - EL - S2g	LI-FB-1	LI-SW-1
Sample Depth			2.2 ft	1.5 ft	2 ft	2 ft	3 ft	2.5 ft	2 ft	2.5 ft	2.5 ft	2.5 ft							
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			131809	131819	131916	131916	131916	132045	132045	132045	132045	132045	132374	132374	132374	133003	133003	132107	132107
Laboratory Sample ID			131809-01	131819-01	131916-01	131916-02	131916-03	132045-01	132045-02	132045-03	132045-04	132045-05	132374-03	132374-02	132374-01	133003-02	133003-01	132107-02	132107-01
Sample Type		Units	NYSDEC																
Volatile Organic Compounds (cont'd)																			
Chlorobenzene (Monochlorobenzene)		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U M	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Chlorobromomethane		µg/kg	n/v	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	417000 U	10.6 U	10.1 U
Chloroethane (Ethyl Chloride)		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Chloroform (Trichloromethane)		µg/kg	49000[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Chloromethane		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Cyclohexane		µg/kg	n/v	399 U	315 U	20.1 U	124 U	21.8 U	20.2 U	18.7 U	20.5 U	19.5 U	24.0 U	150 U	166 U	590 U	-	834000 U	21.2 U	20.2 U
Dibromo-3-Chloropropane, 1,2- (DBCP)		µg/kg	n/v	399 U	315 U	20.1 U	124 U	21.8 U	20.2 U	18.7 U	20.5 U	19.5 U	24.0 U	150 U	166 U	590 U	-	834000 U	21.2 U	20.2 U
Dibromochloromethane		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichlorobenzene, 1,2-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U M	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichlorobenzene, 1,3-		µg/kg	49000[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U M	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichlorobenzene, 1,4-		µg/kg	13000[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U M	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichlorodifluoromethane (Freon 12)		µg/kg	n/v	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	167000 U	4.25 U	4.05 U
Dichloroethane, 1,1-		µg/kg	26000[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichloroethane, 1,2-		µg/kg	3100[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichloroethene, 1,1-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichloroethene, cis-1,2-		µg/kg	100000$_b$[A]	79.9 U	1180	4.03 U	24.9 U	5.93	4.03 U	3.74 U	4.10 U M	3.90 U	3.86 J	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichloroethene, trans-1,2-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichloropropane, 1,2-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U M	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichloropropene, cis-1,3-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dichloropropene, trans-1,3-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Dioxane, 1,4-		µg/kg	13000[A]	799 U	629 U	40.3 U	249 U	43.6 U	R	R	R	R	R	299 U	331 U	1180 U	-	***1670000 U***	R	R
Ethylbenzene		µg/kg	41000[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U M	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Ethylene Dibromide (Dibromoethane, 1,2-)		µg/kg	n/v	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	167000 U	4.25 U	4.05 U
Hexanone, 2- (Methyl Butyl Ketone)		µg/kg	100000$_b$[A]	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	***417000 U***	10.6 U	10.1 U
Isopropylbenzene		µg/kg	100000$_b$[A]	52.9 J	33.4 J	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	25.2 J	39.8	118 U	-	***167000 U***	5.06 NJ	4.05 U
Isopropyltoluene, p- (Cymene)		µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate		µg/kg	n/v	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	167000 U	4.25 U	4.05 U
Methyl Ethyl Ketone (MEK)		µg/kg	100000$_b$[A]	399 U	315 U	20.1 U	124 U	21.8 U	20.2 UJ	18.7 UJ	20.5 UJ	19.5 UJ	24.0 UJ	150 U	166 U	590 U	-	***834000 U***	21.2 UJ	20.2 UJ
Methyl Isobutyl Ketone (MIBK)		µg/kg	100000$_b$[A]	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	***417000 U***	10.6 U	10.1 U
Methyl tert-butyl ether (MTBE)		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Methylcyclohexane		µg/kg	n/v	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	167000 U	4.25 U	4.05 U
Methylene Chloride (Dichloromethane)		µg/kg	100000$_b$[A]	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	***417000 U***	10.6 U	10.1 U
Naphthalene		µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-		µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene		µg/kg	100000$_b$[A]	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	***417000 U***	10.6 U	10.1 U
Tetrachloroethane, 1,1,2,2-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Tetrachloroethene (PCE)		µg/kg	19000[A]	79.9 U	55.2 J	7.48	274	124	4.49	3.74 U	6.48	7.28	19.4	29.9 U	33.1 U	118 U	-	**1980000[A]**	293	4.05 U
Toluene		µg/kg	100000$_b$[A]	79.9 U	62.9 U	2.52 J	14.2 J	2.59 J	4.03 U	3.74 U	3.59 J M	5.26	3.09 J	29.9 U	33.1 U	103 J	-	***167000 U***	2.84 J	4.05 U
Trichlorobenzene, 1,2,3-		µg/kg	n/v	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	417000 U	10.6 U	10.1 U
Trichlorobenzene, 1,2,4-		µg/kg	100000$_b$[A]	200 U	157 U	10.1 U	62.1 U	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	74.8 U	82.8 U	295 U	-	***417000 U***	10.6 U	10.1 U
Trichloroethane, 1,1,1-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Trichloroethane, 1,1,2-		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Trichloroethene (TCE)		µg/kg	21000[A]	79.9 U	441	4.03 U	58.5	12.8	4.03 U	3.74 U	2.13 J M	6.42	17.9	29.9 U	33.1 U	118 U	-	***167000 U***	4.26	4.05 U
Trichlorofluoromethane (Freon 11)		µg/kg	n/v	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	167000 U	4.25 U	4.05 U
Trichlorotrifluoroethane (Freon 113)		µg/kg	100000$_b$[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Trimethylbenzene, 1,2,4-		µg/kg	52000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-		µg/kg	52000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride		µg/kg	900[A]	79.9 U	62.9 U	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	4.25 U	4.05 U
Xylene, m & p-		µg/kg	100000$_{b,p}$[A]	79.9 U	33.2 J	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	33.1 U	118 U	-	***167000 U***	2.34 NJ	4.05 U
Xylene, o-		µg/kg	100000$_{b,p}$[A]	79.9 U	32.2 J	4.03 U	24.9 U	4.36 U	4.03 U	3.74 U	4.10 U	3.90 U	4.80 U	29.9 U	25.4 J	118 U	-	***167000 U***	8.00	4.05 U
Volatile Organic Tentatively Identified Compounds																			
Total VOC TICs		µg/kg	n/v	38110	24208	10.1 U	171	10.9 U	10.1 U	9.34 U	10.2 U	9.75 U	12.0 U	-	-	-	-	-	-	-

See last page for notes.

Table 3
Summary of Analytical Results in Soil
IRM Basement Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Notes:

NYSDEC	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory reportable detection limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory reportable detection limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS	No SCO has been established for this compound.
NS,q	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
e	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
i	The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.
j	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
k	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
o	The criterion is applicable to total PCBs, and the individual Aroclors should be added for comparison.
>	Greater than.
B	Indicates analyte was found in associated blank, as well as in the sample.
C	Analyte quantified by quadratic equation type calibration.
CJ	Elevated VPH RDL(s) due to sample dilution
D	Indicates reanalysis of sample with additional dilution to address exceedance of instrument calibration range.
J	The reported result is an estimated value.
M	Denotes matrix spike recoveries outside QC limits. Matrix bias indicated.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
U	Indicates that the analyte was analyzed but not detected.
UJ	Indicates estimated non-detect.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EW-FDc	LI-EW-FDg	LI-EW-S1			LI-EW-S2c	LI-EW-S2g	LI-EW-S3&S4 Composite	LI-EW-S4g	LI-EW-S5	LI-EW-S5g1	LI-EW-S5g2	LI-EW-S5g3	LI-EW-S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Date			10-Jun-14	10-Jun-14	17-May-13	17-May-13	17-May-13	30-May-13	30-May-13	25-Jun-13	25-Jun-13	28-Aug-13	18-Aug-13	18-Aug-13	18-Aug-13	30-Aug-13	10-Jun-14	10-Jun-14	11-Jun-14	29-Oct-13	29-Oct-13
Sample ID			LI-EW-FDc	LI-EW-FDg	LI-EW-S1	LI-EW-S1-1	LI-EW-S1-2	LI-EW-S2c	LI-EW-S2g	LI-EW-S3 & S4 Composite	LI-EW-S4g	LI - EW - S5	LI - EW S5g1	LI - EW S5g2	LI - EW S5g3	LI - EW - S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Depth					1 ft																
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			142393	142393	131809	131855	131855	131948	131948	132331	132331	133325	133595	133595	133595	133325	142393	142393	142425	134138	134138
Laboratory Sample ID			142393-04	142393-03	131809-02	131855-01	131855-02	131948-02	131948-01	132331-01	132331-02	133325-01	133595-01	133595-02	133595-03	133325-02	142393-02	142393-01	142425-01	134138-02	134138-01
Sample Type	Units	NYSDEC																			
General Chemistry																					
Cyanide	mg/kg	27[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Aluminum	mg/kg	NS[A]	6940	-	6480	-	-	8070	-	10300	-	7280	-	-	-	9490	6810	-	9390	-	-
Antimony	mg/kg	NS[A]	7.17 U	-	6.49 U	-	-	7.63 U	-	6.99 U	-	4.62 J	-	-	-	7.14 U	6.99 U	-	7.37 U	-	-
Arsenic	mg/kg	16$_g$[A]	2.83	-	10.5	-	-	4.96	-	5.31	-	12.1	-	-	-	6.45	2.67	-	4.13 D	-	-
Barium	mg/kg	400[A]	36.6	-	91.0	-	-	42.2	-	51.7	-	190	-	-	-	64.4	36.8	-	44.1	-	-
Beryllium	mg/kg	72[A]	0.326 J	-	0.386 J	-	-	0.402 J	-	0.500 J	-	0.479 J	-	-	-	0.409 J	0.315 J	-	0.501 J	-	-
Cadmium	mg/kg	4.3[A]	0.598 U	-	0.446 J	-	-	0.636 U	-	0.345 J	-	1.15	-	-	-	0.487 J	0.583 U	-	0.614 U	-	-
Calcium	mg/kg	NS[A]	3650	-	5160	-	-	2660	-	1980	-	10400	-	-	-	9000	3370	-	2090	-	-
Chromium (Hexavalent)	mg/kg	110[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Total)	mg/kg	NS,q[A]	10.6	-	14.5	-	-	10.4	-	13.9	-	14.6	-	-	-	12.7	10.5	-	12.8	-	-
Cobalt	mg/kg	NS[A]	4.96 J	-	9.51	-	-	5.75 J	-	6.17	-	11.3	-	-	-	6.30	4.79 J	-	6.68	-	-
Copper	mg/kg	270[A]	12.6	-	**685 D[A]**	-	-	15.1	-	21.2	-	**347[A]**	-	-	-	51.8	13.2	-	16.8 D	-	-
Iron	mg/kg	NS[A]	13300	-	40500	-	-	14100	-	17200	-	52900	-	-	-	15200	12000	-	16200	-	-
Lead	mg/kg	400[A]	6.40	-	**719 J[A]**	**1030[A]**	**1090[A]**	25.1	-	17.9	-	**2340[A]**	-	-	-	172	9.77	-	11.3 D	-	-
Magnesium	mg/kg	NS[A]	2460	-	1970 J	-	-	2230	-	2150	-	3350	-	-	-	3660	2300	-	2230	-	-
Manganese	mg/kg	2000$_g$[A]	366	-	282	-	-	356	-	345	-	479	-	-	-	362	421	-	673 J	-	-
Mercury	mg/kg	0.81$_x$[A]	0.0234	-	**11.2[A]**	**2.39[A]**	**3.52[A]**	0.0379	-	0.0678	-	**10.5[A]**	**5.41[A]**	**12.3[A]**	**1.87[A]**	0.559	0.0127 J	-	0.0317	-	-
Nickel	mg/kg	310[A]	9.50	-	21.1	-	-	9.95	-	11.7	-	22.8	-	-	-	12.1	9.03	-	11.8	-	-
Potassium	mg/kg	NS[A]	1240	-	894	-	-	1460	-	1330	-	883	-	-	-	948	1230	-	1720 D	-	-
Selenium	mg/kg	180[A]	1.20 U	-	1.19	-	-	1.27 U	-	1.17 U	-	3.39	-	-	-	1.35	1.17 U	-	1.23 U	-	-
Silver	mg/kg	180[A]	1.20 U	-	8.11 D	-	-	0.725 J	-	1.10 J	-	3.59	-	-	-	1.19 U	1.17 U	-	1.23 U	-	-
Sodium	mg/kg	NS[A]	271 J	-	271 U	-	-	318 U	-	291 U	-	159 J	-	-	-	298 U	233 J	-	307 U	-	-
Thallium	mg/kg	NS[A]	2.99 U	-	2.71 U	-	-	3.18 U	-	2.91 U	-	3.18 U	-	-	-	2.98 U	2.91 U	-	3.07 U	-	-
Vanadium	mg/kg	NS[A]	19.5	-	15.4	-	-	17.7	-	19.7	-	20.8	-	-	-	21.2	18.6	-	22.9	-	-
Zinc	mg/kg	10000$_e$[A]	30.9	-	292	-	-	35.4	-	35.1	-	631	-	-	-	147	32.8	-	39.5	-	-
Polychlorinated Biphenyls																					
Aroclor 1016	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1221	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1232	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1242	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1248	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1254	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1260	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1262	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-
Aroclor 1268	mg/kg	1$_o$[A]	0.0314 U	-	0.0337 U	-	-	0.0334 U	-	0.0331 U	-	0.0326 U	-	-	-	0.0332 U	0.0319 U	-	0.0315 U	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EW-FDc	LI-EW-FDg	LI-EW-S1			LI-EW-S2c	LI-EW-S2g	LI-EW-S3&S4 Composite	LI-EW-S4g	LI-EW-S5	LI-EW-S5g1	LI-EW-S5g2	LI-EW-S5g3	LI-EW-S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Date			10-Jun-14	10-Jun-14	17-May-13	17-May-13	17-May-13	30-May-13	30-May-13	25-Jun-13	25-Jun-13	28-Aug-13	18-Aug-13	18-Aug-13	18-Aug-13	30-Aug-13	10-Jun-14	10-Jun-14	11-Jun-14	29-Oct-13	29-Oct-13
Sample ID			LI-EW-FDc	LI-EW-FDg	LI-EW-S1	LI-EW-S1-1	LI-EW-S1-2	LI-EW-S2c	LI-EW-S2g	LI-EW-S3 & S4 Composite	LI-EW-S4g	LI - EW - S5	LI - EW S5g1	LI - EW S5g2	LI - EW S5g3	LI - EW - S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Depth					1 ft																
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			142393	142393	131809	131855	131855	131948	131948	132331	132331	133325	133595	133595	133595	133325	142393	142393	142425	134138	134138
Laboratory Sample ID			142393-04	142393-03	131809-02	131855-01	131855-02	131948-02	131948-01	132331-01	132331-02	133325-01	133595-01	133595-02	133595-03	133325-02	142393-02	142393-01	142425-01	134138-02	134138-01
Sample Type	Units	NYSDEC																			
Pesticides																					
Aldrin	µg/kg	97[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha-	µg/kg	480[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, beta-	µg/kg	360[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC, delta-	µg/kg	100000$_b$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Camphechlor (Toxaphene)	µg/kg	100000$_b$[A]	-	-	-	-	-	33.4 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, alpha-	µg/kg	4200[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (p,p'-DDD)	µg/kg	13000[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (p,p'-DDE)	µg/kg	8900[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (p,p'-DDT)	µg/kg	7900[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	200[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	µg/kg	24000$_j$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	µg/kg	24000$_j$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan Sulfate	µg/kg	24000$_j$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	µg/kg	11000[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Aldehyde	µg/kg	100000$_b$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Ketone	µg/kg	100000$_b$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/kg	2100[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	µg/kg	100000$_b$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b$[A]	-	-	-	-	-	3.34 U	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds																					
Acenaphthene	µg/kg	100000$_b$[A]	317 U	-	209 J	-	-	330 U	-	328 U	-	650 U	1630 UJ	287 J	290 J	331 U	320 U	-	316 U	-	-
Acenaphthylene	µg/kg	100000$_b$[A]	317 U	-	240 J	-	-	330 U	-	328 U	-	560 J	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Acetophenone	µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Anthracene	µg/kg	100000$_b$[A]	317 U	-	992	-	-	330 U	-	938	-	1710	1720 J	835 J	658 J	331 U	320 U	-	316 U	-	-
Atrazine	µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Benzaldehyde	µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Benzo(a)anthracene	µg/kg	1000$_g$[A]	317 U	-	**3440[A]**	-	-	330 U	-	**2480[A]**	-	**4940[A]**	**5810 J[A]**	**2280 J[A]**	**1200 J[A]**	331 U	320 U	-	316 U	-	-
Benzo(a)pyrene	µg/kg	1000$_g$[A]	317 U	-	**3190[A]**	-	-	330 U	-	**1860[A]**	-	**3930[A]**	**4460 J[A]**	**2170 J[A]**	**1080 J[A]**	331 U	320 U	-	316 U	-	-
Benzo(b)fluoranthene	µg/kg	1000$_g$[A]	317 U	-	**3030[A]**	-	-	330 U	-	**1600[A]**	-	**3060[A]**	**3530 J[A]**	**1810 J[A]**	909 J	331 U	320 U	-	316 U	-	-
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A]	317 U	-	1950	-	-	330 U	-	803	-	1830	1910 J	1320 J	595 J	331 U	320 U	-	316 U	-	-
Benzo(k)fluoranthene	µg/kg	3900[A]	317 U	-	2140	-	-	330 U	-	1290	-	3440	**3920 J[A]**	1800 J	887 J	331 U	320 U	-	316 U	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	203 J	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Butyl Benzyl Phthalate	µg/kg	NS[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Caprolactam	µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Carbazole	µg/kg	100000$_b$[A]	317 U	-	236 J	-	-	330 U	-	328 U	-	360 J	1630 UJ	377 J	302 J	331 U	320 U	-	316 U	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Chloroaniline, 4-	µg/kg	NS[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Chloronaphthalene, 2-	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EW-FDc	LI-EW-FDg	LI-EW-S1			LI-EW-S2c	LI-EW-S2g	LI-EW-S3&S4 Composite	LI-EW-S4g	LI-EW-S5	LI-EW-S5g1	LI-EW-S5g2	LI-EW-S5g3	LI-EW-S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Date			10-Jun-14	10-Jun-14	17-May-13	17-May-13	17-May-13	30-May-13	30-May-13	25-Jun-13	25-Jun-13	28-Aug-13	18-Aug-13	18-Aug-13	18-Aug-13	30-Aug-13	10-Jun-14	10-Jun-14	11-Jun-14	29-Oct-13	29-Oct-13
Sample ID			LI-EW-FDc	LI-EW-FDg	LI-EW-S1	LI-EW-S1-1	LI-EW-S1-2	LI-EW-S2c	LI-EW-S2g	LI-EW-S3 & S4 Composite	LI-EW-S4g	LI - EW - S5	LI - EW S5g1	LI - EW S5g2	LI - EW S5g3	LI - EW - S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Depth					1 ft																
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			142393	142393	131809	131855	131855	131948	131948	132331	132331	133325	133595	133595	133595	133325	142393	142393	142425	134138	134138
Laboratory Sample ID			142393-04	142393-03	131809-02	131855-01	131855-02	131948-02	131948-01	132331-01	132331-02	133325-01	133595-01	133595-02	133595-03	133325-02	142393-02	142393-01	142425-01	134138-02	134138-01
Sample Type		Units	NYSDEC																		
Semi-Volatile Organic Compounds (cont'd)																					
Chrysene		µg/kg	3900[A]	317 U	-	3530	-	-	330 U	-	2130	-	**4480[A]**	**4910 J[A]**	2360 J	1210 J	331 U	320 U	-	316 U	-	-
Cresol, m- (Methylphenol, 3-)		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Cresol, o- (Methylphenol, 2-)		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dibenzo(a,h)anthracene		µg/kg	330$_i$[A]	317 U	-	**459[A]**	-	-	330 U	-	255 J	-	**470 J[A]**	***1630 UJ***	288 J	325 UJ	***331 U***	320 U	-	316 U	-	-
Dibenzofuran		µg/kg	59000[A]	317 U	-	187 J	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	203 J	331 U	320 U	-	316 U	-	-
Dibutyl Phthalate (DBP)		µg/kg	$_{NS}$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dichlorobenzene, 1,2-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dichlorobenzene, 1,3-		µg/kg	49000[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dichlorobenzene, 1,4-		µg/kg	13000[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dichlorobenzidine, 3,3'-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dichlorophenol, 2,4-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Diethyl Phthalate		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dimethyl Phthalate		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 U	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 U	-	-
Dimethylphenol, 2,4-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dinitro-o-cresol, 4,6-		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 UJ	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 U	-	-
Dinitrophenol, 2,4-		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 UJ	3250 UJ	736 UJ	650 UJ	661 UJ	640 U	-	632 U	-	-
Dinitrotoluene, 2,4-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Dinitrotoluene, 2,6-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Di-n-Octyl phthalate		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Fluoranthene		µg/kg	100000$_b$[A]	317 U	-	6500	-	-	330 U	-	4540	-	10500	10600 J	5540 J	2850 J	283 J	320 U	-	316 U	-	-
Fluorene		µg/kg	100000$_b$[A]	317 U	-	189 J	-	-	330 U	-	215 J	-	388 J	1630 UJ	284 J	302 J	331 U	320 U	-	316 U	-	-
Hexachlorobenzene		µg/kg	1200[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	***1630 UJ***	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Hexachlorocyclopentadiene		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 UJ	-	328 UJ	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Hexachloroethane		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Indeno(1,2,3-cd)pyrene		µg/kg	500$_g$[A]	317 U	-	**2300[A]**	-	-	330 U	-	**1200[A]**	-	**2380[A]**	**2680 J[A]**	**1460 J[A]**	**676 J[A]**	331 U	320 U	-	316 U	-	-
Isophorone		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Methylnaphthalene, 2-		µg/kg	100000$_b$[A]	988	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	1020	-	316 U	-	-
Naphthalene		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	247 NJ	-	316 U	-	-
Nitroaniline, 2-		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 U	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 U	-	-
Nitroaniline, 3-		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 U	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 U	-	-
Nitroaniline, 4-		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 U	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 U	-	-
Nitrobenzene		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Nitrophenol, 2-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Nitrophenol, 4-		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 UJ	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 U	-	-
N-Nitrosodi-n-Propylamine		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
n-Nitrosodiphenylamine		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Pentachlorophenol		µg/kg	6700[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 UJ	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 UJ	-	-
Phenanthrene		µg/kg	100000$_b$[A]	339	-	3940	-	-	330 U	-	2410	-	6190	4590 J	4010 J	2580 J	331 U	288 J	-	316 U	-	-
Phenol		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Pyrene		µg/kg	100000$_b$[A]	317 U	-	6770	-	-	330 U	-	4120	-	9030	9410 J	4990 J	2390 J	271 J	320 U	-	316 U	-	-
Tetrachlorobenzene, 1,2,4,5-		µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Tetrachlorophenol, 2,3,4,6-		µg/kg	n/v	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Trichlorobenzene, 1,2,4-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 U	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Trichlorophenol, 2,4,5-		µg/kg	100000$_b$[A]	634 U	-	673 U	-	-	660 U	-	657 U	-	1300 UJ	3250 UJ	736 UJ	650 UJ	661 U	640 U	-	632 U	-	-
Trichlorophenol, 2,4,6-		µg/kg	100000$_b$[A]	317 U	-	337 U	-	-	330 U	-	328 U	-	650 UJ	1630 UJ	368 UJ	325 UJ	331 U	320 U	-	316 U	-	-
Total SVOC		µg/kg	n/v	1327	-	-	-	-	-	-	-	-	53268	53540 J	29811 J	16132 J	554	1555	-	ND	-	-
Semi-Volatile Organic Tentatively Identified Compounds																					
Total SVOC TICs		µg/kg	n/v	-	-	22716 J	-	-	132 U	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EW-FDc	LI-EW-FDg	LI-EW-S1			LI-EW-S2c	LI-EW-S2g	LI-EW-S3&S4 Composite	LI-EW-S4g	LI-EW-S5	LI-EW-S5g1	LI-EW-S5g2	LI-EW-S5g3	LI-EW-S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Date			10-Jun-14	10-Jun-14	17-May-13	17-May-13	17-May-13	30-May-13	30-May-13	25-Jun-13	25-Jun-13	28-Aug-13	18-Aug-13	18-Aug-13	18-Aug-13	30-Aug-13	10-Jun-14	10-Jun-14	11-Jun-14	29-Oct-13	29-Oct-13
Sample ID			LI-EW-FDc	LI-EW-FDg	LI-EW-S1	LI-EW-S1-1	LI-EW-S1-2	LI-EW-S2c	LI-EW-S2g	LI-EW-S3 & S4 Composite	LI-EW-S4g	LI - EW - S5	LI - EW S5g1	LI - EW S5g2	LI - EW S5g3	LI - EW - S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Depth					1 ft																
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			142393	142393	131809	131855	131855	131948	131948	132331	132331	133325	133595	133595	133595	133325	142393	142393	142425	134138	134138
Laboratory Sample ID			142393-04	142393-03	131809-02	131855-01	131855-02	131948-02	131948-01	132331-01	132331-02	133325-01	133595-01	133595-02	133595-03	133325-02	142393-02	142393-01	142425-01	134138-02	134138-01
Sample Type	Units	NYSDEC																			
Volatile Organic Compounds																					
Acetone	µg/kg	100000$_b$[A]	-	5340 U	-	-	-	-	54 U	-	30 U	-	-	-	-	-	-	5290 U	-	20.1 UJ	547 UJ
Benzene	µg/kg	4800[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Bromodichloromethane	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Bromoform (Tribromomethane)	µg/kg	100000$_b$[A]	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Bromomethane (Methyl bromide)	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 UJ	-	4.02 UJ	109 UJ
Butylbenzene, n-	µg/kg	100000$_b$[A]	-	4740 U	-	-	-	-	-	-	-	-	-	-	-	-	-	3210 U	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000$_b$[A]	-	2060 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	1420 J+	-	-	-
Butylbenzene, tert-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	-	-	-	-	-	-	-	-	-	1060 U	-	-	-
Carbon Disulfide	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Chlorobenzene (Monochlorobenzene)	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Chlorobromomethane	µg/kg	n/v	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Chloroethane (Ethyl Chloride)	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 UJ	-	4.02 UJ	109 UJ
Chloroform (Trichloromethane)	µg/kg	49000[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Chloromethane	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Cyclohexane	µg/kg	n/v	-	5340 U	-	-	-	-	23.9 U	-	20.9 U	-	-	-	-	-	-	5290 U	-	20.1 UJ	547 UJ
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	-	5340 U	-	-	-	-	23.9 U	-	20.9 U	-	-	-	-	-	-	5290 U	-	20.1 UJ	547 UJ
Dibromochloromethane	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichlorobenzene, 1,3-	µg/kg	49000[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichlorobenzene, 1,4-	µg/kg	13000[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloroethane, 1,1-	µg/kg	26000[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloroethane, 1,2-	µg/kg	3100[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloroethene, 1,1-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloroethene, cis-1,2-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloroethene, trans-1,2-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloropropane, 1,2-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloropropene, cis-1,3-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dichloropropene, trans-1,3-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Dioxane, 1,4-	µg/kg	13000[A]	-	R	-	-	-	-	R	-	R	-	-	-	-	-	-	R	-	R	R
Ethylbenzene	µg/kg	41000[A]	-	1000 NJ	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	571 NJ	-	4.02 UJ	109 UJ
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000$_b$[A]	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Isopropylbenzene	µg/kg	100000$_b$[A]	-	1350 J+	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	876 J+	-	4.02 UJ	2150 J
Isopropyltoluene, p- (Cymene)	µg/kg	100000$_b$[A]	-	3250 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	2190 J+	-	-	-
Methyl Acetate	µg/kg	n/v	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Methyl Ethyl Ketone (MEK)	µg/kg	100000$_b$[A]	-	5340 UJ	-	-	-	-	23.9 UJ	-	20.9 UJ	-	-	-	-	-	-	5290 UJ	-	20.1 UJ	547 UJ
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000$_b$[A]	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Methyl tert-butyl ether (MTBE)	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Methylcyclohexane	µg/kg	n/v	-	597 J+	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Methylene Chloride (Dichloromethane)	µg/kg	100000$_b$[A]	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Naphthalene	µg/kg	100000$_b$[A]	-	3480 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	2310 J+	-	-	-
Propylbenzene, n-	µg/kg	100000$_b$[A]	-	3000 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	1920 J+	-	-	-
Styrene	µg/kg	100000$_b$[A]	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Tetrachloroethane, 1,1,2,2-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Tetrachloroethene (PCE)	µg/kg	19000[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Toluene	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	3.82 J	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EW-FDc	LI-EW-FDg	LI-EW-S1			LI-EW-S2c	LI-EW-S2g	LI-EW-S3&S4 Composite	LI-EW-S4g	LI-EW-S5	LI-EW-S5g1	LI-EW-S5g2	LI-EW-S5g3	LI-EW-S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Date			10-Jun-14	10-Jun-14	17-May-13	17-May-13	17-May-13	30-May-13	30-May-13	25-Jun-13	25-Jun-13	28-Aug-13	18-Aug-13	18-Aug-13	18-Aug-13	30-Aug-13	10-Jun-14	10-Jun-14	11-Jun-14	29-Oct-13	29-Oct-13
Sample ID			LI-EW-FDc	LI-EW-FDg	LI-EW-S1	LI-EW-S1-1	LI-EW-S1-2	LI-EW-S2c	LI-EW-S2g	LI-EW-S3 & S4 Composite	LI-EW-S4g	LI - EW - S5	LI - EW S5g1	LI - EW S5g2	LI - EW S5g3	LI - EW - S6	LI-EW-S7c	LI-EW-S7g	LI-EW-S8	LI-EXT-TP1b	LI-EXT-TP1W
Sample Depth					1 ft																
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			142393	142393	131809	131855	131855	131948	131948	132331	132331	133325	133595	133595	133595	133325	142393	142393	142425	134138	134138
Laboratory Sample ID			142393-04	142393-03	131809-02	131855-01	131855-02	131948-02	131948-01	132331-01	132331-02	133325-01	133595-01	133595-02	133595-03	133325-02	142393-02	142393-01	142425-01	134138-02	134138-01
Sample Type	Units	NYSDEC																			
Volatile Organic Compounds (cont'd)																					
Trichlorobenzene, 1,2,3-	µg/kg	n/v	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	-	2670 U	-	-	-	-	12.0 U	-	10.5 U	-	-	-	-	-	-	2650 U	-	10.0 UJ	274 UJ
Trichloroethane, 1,1,1-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Trichloroethane, 1,1,2-	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Trichloroethene (TCE)	µg/kg	21000[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 UJ	-	4.02 UJ	109 UJ
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000$_b$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Trimethylbenzene, 1,2,4-	µg/kg	52000[A]	-	18400 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	11200 J+	-	-	-
Trimethylbenzene, 1,3,5-	µg/kg	52000[A]	-	6820 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	4340 J+	-	-	-
Vinyl chloride	µg/kg	900[A]	-	***1070 U***	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	***1060 U***	-	4.02 UJ	109 UJ
Xylene, m & p-	µg/kg	100000$_{b,p}$[A]	-	1650 NJ	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	969 NJ	-	4.02 UJ	109 UJ
Xylene, o-	µg/kg	100000$_{b,p}$[A]	-	1070 U	-	-	-	-	4.78 U	-	4.19 U	-	-	-	-	-	-	1060 U	-	4.02 UJ	109 UJ
Total VOC	µg/kg	n/v	-	41607 J+	-	-	-	-	-	-	-	-	-	-	-	-	-	25796 J+	-	J ND	2150 J
Volatile Organic Tentatively Identified Compounds																					
Total VOC TICs	µg/kg	n/v	-	-	-	-	-	-	12.0 U	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location	Units	NYSDEC	LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2		LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Date			29-Oct-13	29-Oct-13	15-May-13	15-May-13	20-Jun-13	20-Jun-13	20-Jun-13	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	21-May-14	21-May-14	21-May-14	21-May-14
Sample ID			LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2	LI-Y-S14g2 - FD	LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Depth																		
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			134138	134138	131762	131762	132291	132291	132291	141643	141643	141643	141643	141643	142061	142061	142061	142061
Laboratory Sample ID			134138-03	134138-04	131762-01	131762-02	132291-04	132291-05	132291-03	141643-05	141643-01	141643-02	141643-03	141643-04	142061-04	142061-01	142061-02	142061-03
Sample Type													Field Duplicate					
General Chemistry																		
Cyanide	mg/kg	27[A,f]	-	-	-	-	-	0.6 U	-	-	-	-	-	-	-	-	-	-
Metals																		
Aluminum	mg/kg	NS[A]	-	-	6780	7090	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/kg	NS[A]	-	-	6.31 U	7.21 U	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	16[A,g]	-	-	3.21	4.60	-	2.73	-	3.16	-	-	-	-	4.03	-	-	-
Barium	mg/kg	400[A]	-	-	76.5	53.8	-	32.6	-	34.5	-	-	-	-	40.4	-	-	-
Beryllium	mg/kg	72[A]	-	-	0.329 J	0.379 J	-	0.584 U	-	0.547 U	-	-	-	-	0.530 U	-	-	-
Cadmium	mg/kg	4.3[A]	-	-	0.526 U	0.380 J	-	0.384	-	0.547 U	-	-	-	-	0.530 U	-	-	-
Calcium	mg/kg	NS[A]	-	-	4750	6290	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	mg/kg	110[A]	-	-	-	-	-	1.13 U	-	-	-	-	-	-	-	-	-	-
Chromium (Total)	mg/kg	NS,q[A]	-	-	10.7	12.7	-	18.9 D	-	8.69	-	-	-	-	10.6	-	-	-
Cobalt	mg/kg	NS[A]	-	-	4.70 J	9.99	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	270[A]	-	-	24.0	36.1	-	21.5 D	-	17.2	-	-	-	-	22.0	-	-	-
Iron	mg/kg	NS[A]	-	-	12700	17900	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	400[A]	-	-	62.8	29.0	-	46.6	-	16.8	-	-	-	-	34.5	-	-	-
Magnesium	mg/kg	NS[A]	-	-	2280	3350	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	2000[A,g]	-	-	322	1560	-	394 M	-	320	-	-	-	-	422	-	-	-
Mercury	mg/kg	0.81[A,k]	-	-	0.0684	0.145	-	0.0259	-	0.0212 U	-	-	-	-	0.0679	-	-	-
Nickel	mg/kg	310[A]	-	-	8.65	15.3	-	8.06	-	8.56	-	-	-	-	9.07	-	-	-
Potassium	mg/kg	NS[A]	-	-	900	808	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/kg	180[A]	-	-	1.05 U	1.20 U	-	1.17 U	-	1.09 U	-	-	-	-	1.06 U	-	-	-
Silver	mg/kg	180[A]	-	-	0.719 J	1.72	-	0.854	-	1.09 U	-	-	-	-	1.06 U	-	-	-
Sodium	mg/kg	NS[A]	-	-	263 U	300 U	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/kg	NS[A]	-	-	2.63 U	3.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	NS[A]	-	-	16.2	16.9	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	10000[A,e]	-	-	80.9	54.2	-	40.5	-	29.9	-	-	-	-	49.2	-	-	-
Polychlorinated Biphenyls																		
Aroclor 1016	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1221	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1232	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1242	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1248	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1254	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1260	mg/kg	1[A,o]	-	-	-	-	-	0.0557	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1262	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-
Aroclor 1268	mg/kg	1[A,o]	-	-	-	-	-	0.0329 U	-	0.0324 U	-	-	-	-	0.0322 U	-	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location	Units	NYSDEC	LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2		LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Date			29-Oct-13	29-Oct-13	15-May-13	15-May-13	20-Jun-13	20-Jun-13	20-Jun-13	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	21-May-14	21-May-14	21-May-14	21-May-14
Sample ID			LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2	LI-Y-S14g2 - FD	LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Depth																		
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			134138	134138	131762	131762	132291	132291	132291	141643	141643	141643	141643	141643	142061	142061	142061	142061
Laboratory Sample ID			134138-03	134138-04	131762-01	131762-02	132291-04	132291-05	132291-03	141643-05	141643-01	141643-02	141643-03	141643-04	142061-04	142061-01	142061-02	142061-03
Sample Type													Field Duplicate					
Pesticides																		
Aldrin	µg/kg	97[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
BHC, alpha-	µg/kg	480[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
BHC, beta-	µg/kg	360[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
BHC, delta-	µg/kg	100000$_b$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Camphechlor (Toxaphene)	µg/kg	100000$_b$[A]	-	-	-	-	-	32.5 U	-	32.4 U	-	-	-	-	3.22 U	-	-	-
Chlordane, alpha-	µg/kg	4200[A]	-	-	-	-	-	2.08 J	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
DDD (p,p'-DDD)	µg/kg	13000[A]	-	-	-	-	-	8.05	-	3.24 U	-	-	-	-	0.322 U	-	-	-
DDE (p,p'-DDE)	µg/kg	8900[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
DDT (p,p'-DDT)	µg/kg	7900[A]	-	-	-	-	-	6.76	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Dieldrin	µg/kg	200[A]	-	-	-	-	-	3.31	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Endosulfan I	µg/kg	24000$_j$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Endosulfan II	µg/kg	24000$_j$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Endosulfan Sulfate	µg/kg	24000$_j$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Endrin	µg/kg	11000[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Endrin Aldehyde	µg/kg	100000$_b$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Endrin Ketone	µg/kg	100000$_b$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Heptachlor	µg/kg	2100[A]	-	-	-	-	-	3.25 U	-	3.27	-	-	-	-	0.322 U	-	-	-
Heptachlor Epoxide	µg/kg	100000$_b$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b$[A]	-	-	-	-	-	3.25 U	-	3.24 U	-	-	-	-	0.322 U	-	-	-
2,4,5-TP (Silvex)	µg/kg	100000$_b$[A]	-	-	-	-	-	5.7 U	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds																		
Acenaphthene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Acenaphthylene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Acetophenone	µg/kg	n/v	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Anthracene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Atrazine	µg/kg	n/v	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Benzaldehyde	µg/kg	n/v	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Benzo(a)anthracene	µg/kg	1000$_g$[A]	-	-	328 U	323 U	-	***1970 U***	-	321 U	-	-	-	-	321 U	-	-	-
Benzo(a)pyrene	µg/kg	1000$_g$[A]	-	-	328 U	323 U	-	***1970 U***	-	321 U	-	-	-	-	321 U	-	-	-
Benzo(b)fluoranthene	µg/kg	1000$_g$[A]	-	-	328 U	323 U	-	***1970 U***	-	321 U	-	-	-	-	321 U	-	-	-
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Benzo(k)fluoranthene	µg/kg	3900[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1450 J B	-	321 U	-	-	-	-	321 U	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Butyl Benzyl Phthalate	µg/kg	NS[A]	-	-	328 U	323 U	-	1400 J	-	321 U	-	-	-	-	321 U	-	-	-
Caprolactam	µg/kg	n/v	-	-	328 U	323 U	-	1220 J	-	321 U	-	-	-	-	321 U	-	-	-
Carbazole	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Chloroaniline, 4-	µg/kg	NS[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Chloronaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location	Units	NYSDEC	LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2		LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Date			29-Oct-13	29-Oct-13	15-May-13	15-May-13	20-Jun-13	20-Jun-13	20-Jun-13	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	21-May-14	21-May-14	21-May-14	21-May-14
Sample ID			LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2	LI-Y-S14g2 - FD	LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Depth																		
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			134138	134138	131762	131762	132291	132291	132291	141643	141643	141643	141643	141643	142061	142061	142061	142061
Laboratory Sample ID			134138-03	134138-04	131762-01	131762-02	132291-04	132291-05	132291-03	141643-05	141643-01	141643-02	141643-03	141643-04	142061-04	142061-01	142061-02	142061-03
Sample Type													Field Duplicate					
Semi-Volatile Organic Compounds (cont'd)																		
Chrysene	µg/kg	3900[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dibenzo(a,h)anthracene	µg/kg	330$_i$[A]	-	-	328 U	323 U	-	***1970 U***	-	321 U	-	-	-	-	321 U	-	-	-
Dibenzofuran	µg/kg	59000[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dibutyl Phthalate (DBP)	µg/kg	$_{NS}$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Diethyl Phthalate	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dimethyl Phthalate	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dinitro-o-cresol, 4,6-	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Di-n-Octyl phthalate	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1770 J	-	321 U	-	-	-	-	321 U	-	-	-
Fluoranthene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1230 J	-	321 U	-	-	-	-	321 U	-	-	-
Fluorene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Hexachlorobenzene	µg/kg	1200[A]	-	-	328 U	323 U	-	***1970 U***	-	321 U	-	-	-	-	321 U	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A]	-	-	328 UJ	323 UJ	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Hexachloroethane	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A]	-	-	328 U	323 U	-	***1970 U***	-	321 U	-	-	-	-	321 U	-	-	-
Isophorone	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Methylnaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Naphthalene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Nitroaniline, 2-	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Nitroaniline, 3-	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Nitroaniline, 4-	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Nitrobenzene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Nitrophenol, 2-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Nitrophenol, 4-	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
N-Nitrosodi-n-Propylamine	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
n-Nitrosodiphenylamine	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Pentachlorophenol	µg/kg	6700[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Phenanthrene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Phenol	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Pyrene	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1150 J	-	321 U	-	-	-	-	321 U	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Trichlorophenol, 2,4,5-	µg/kg	100000$_b$[A]	-	-	656 U	646 U	-	3950 U	-	642 U	-	-	-	-	642 U	-	-	-
Trichlorophenol, 2,4,6-	µg/kg	100000$_b$[A]	-	-	328 U	323 U	-	1970 U	-	321 U	-	-	-	-	321 U	-	-	-
Total SVOC	µg/kg	n/v	-	-	-	-	-	-	-	ND	-	-	-	-	ND	-	-	-
Semi-Volatile Organic Tentatively Identified Compounds																		
Total SVOC TICs	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2		LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Date			29-Oct-13	29-Oct-13	15-May-13	15-May-13	20-Jun-13	20-Jun-13	20-Jun-13	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	21-May-14	21-May-14	21-May-14	21-May-14
Sample ID			LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2	LI-Y-S14g2 - FD	LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Depth																		
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			134138	134138	131762	131762	132291	132291	132291	141643	141643	141643	141643	141643	142061	142061	142061	142061
Laboratory Sample ID			134138-03	134138-04	131762-01	131762-02	132291-04	132291-05	132291-03	141643-05	141643-01	141643-02	141643-03	141643-04	142061-04	142061-01	142061-02	142061-03
Sample Type	Units	NYSDEC											Field Duplicate					
Volatile Organic Compounds																		
Acetone	µg/kg	100000$_b$[A]	19.3 UJ	606 UJ	-	-	21.4 U	-	20.8 U	-	40.1 U	47.8 U	39.0 U	40.0 U	-	36.6 U	39.9 U	45.9 U
Benzene	µg/kg	4800[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Bromodichloromethane	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Bromoform (Tribromomethane)	µg/kg	100000$_b$[A]	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Bromomethane (Methyl bromide)	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Butylbenzene, n-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Butylbenzene, tert-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Carbon Disulfide	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Chlorobenzene (Monochlorobenzene)	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Chlorobromomethane	µg/kg	n/v	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Chloroethane (Ethyl Chloride)	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Chloroform (Trichloromethane)	µg/kg	49000[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Chloromethane	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Cyclohexane	µg/kg	n/v	19.3 UJ	606 UJ	-	-	21.4 U	-	20.8 U	-	40.1 U	47.8 U	39.0 U	40.0 U	-	36.6 U	39.9 U	45.9 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	19.3 UJ	606 UJ	-	-	21.4 U	-	20.8 U	-	40.1 U	47.8 U	39.0 U	40.0 U	-	36.6 U	39.9 U	45.9 U
Dibromochloromethane	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichlorobenzene, 1,3-	µg/kg	49000[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichlorobenzene, 1,4-	µg/kg	13000[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloroethane, 1,1-	µg/kg	26000[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloroethane, 1,2-	µg/kg	3100[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloroethene, 1,1-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloroethene, cis-1,2-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloroethene, trans-1,2-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloropropane, 1,2-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloropropene, cis-1,3-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dichloropropene, trans-1,3-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Dioxane, 1,4-	µg/kg	13000[A]	R	R	-	-	42.8 U	-	41.6 U	-	80.1 U	95.7 U	78.0 U	79.9 U	-	73.1 U	79.9 U	91.7 U
Ethylbenzene	µg/kg	41000[A]	3.87 UJ	147 NJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000$_b$[A]	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Isopropylbenzene	µg/kg	100000$_b$[A]	3.87 UJ	203 J	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Isopropyltoluene, p- (Cymene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Methyl Acetate	µg/kg	n/v	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Methyl Ethyl Ketone (MEK)	µg/kg	100000$_b$[A]	19.3 UJ	606 UJ	-	-	21.4 U	-	20.8 U	-	40.1 U	47.8 U	39.0 U	40.0 U	-	36.6 U	39.9 U	45.9 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000$_b$[A]	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Methyl tert-butyl ether (MTBE)	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Methylcyclohexane	µg/kg	n/v	3.87 UJ	310 J	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Methylene Chloride (Dichloromethane)	µg/kg	100000$_b$[A]	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Naphthalene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Propylbenzene, n-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Styrene	µg/kg	100000$_b$[A]	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Tetrachloroethane, 1,1,2,2-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Tetrachloroethene (PCE)	µg/kg	19000[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	8.11	7.99 U	-	7.31 U	7.99 U	9.17 U
Toluene	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2		LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Date			29-Oct-13	29-Oct-13	15-May-13	15-May-13	20-Jun-13	20-Jun-13	20-Jun-13	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	28-Apr-14	21-May-14	21-May-14	21-May-14	21-May-14
Sample ID			LI-EXT-TP5b	LI-EXT-TP5W	LI-NS-S2	LI-NS-S3	LI-R-S1g	LI-Y-S5/R-S1-C	LI-Y-S5g	LI-Y-S14c	LI-Y-S14g1	LI-Y-S14g2	LI-Y-S14g2 - FD	LI-Y-S14g3	LI-Y-S15c	LI-Y-S15g1	LI-Y-S15g2	LI-Y-S15g3
Sample Depth																		
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			134138	134138	131762	131762	132291	132291	132291	141643	141643	141643	141643	141643	142061	142061	142061	142061
Laboratory Sample ID			134138-03	134138-04	131762-01	131762-02	132291-04	132291-05	132291-03	141643-05	141643-01	141643-02	141643-03	141643-04	142061-04	142061-01	142061-02	142061-03
Sample Type	Units	NYSDEC											Field Duplicate					
Volatile Organic Compounds (cont'd)																		
Trichlorobenzene, 1,2,3-	µg/kg	n/v	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	9.67 UJ	303 UJ	-	-	10.7 U	-	10.4 U	-	20.0 U	23.9 U	19.5 U	20.0 U	-	18.3 U	20.0 U	22.9 U
Trichloroethane, 1,1,1-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Trichloroethane, 1,1,2-	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Trichloroethene (TCE)	µg/kg	21000[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000$_b$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Trimethylbenzene, 1,2,4-	µg/kg	52000[A]	-	-	-	-	-	-	-	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Trimethylbenzene, 1,3,5-	µg/kg	52000[A]	-	-	-	-	-	-	-	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Vinyl chloride	µg/kg	900[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Xylene, m & p-	µg/kg	100000$_{b,p}$[A]	3.87 UJ	213 J	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Xylene, o-	µg/kg	100000$_{b,p}$[A]	3.87 UJ	121 UJ	-	-	4.28 U	-	4.16 U	-	8.01 U	9.57 U	7.80 U	7.99 U	-	7.31 U	7.99 U	9.17 U
Total VOC	µg/kg	n/v	J ND	873 J	-	-	-	-	-	-	ND	ND	8.11	ND	-	ND	ND	ND
Volatile Organic Tentatively Identified Compounds																		
Total VOC TICs	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 4
Summary of Analytical Results in Soil
IRM Exterior Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Notes:

NYSDEC	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory reportable detection limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory reportable detection limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS	No SCO has been established for this compound.
NS,q	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
e	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
i	The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.
j	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
k	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
o	The criterion is applicable to total PCBs, and the individual Aroclors should be added for comparison.
B	Indicates analyte was found in associated blank, as well as in the sample.
D	Indicates reanalysis of sample with additional dilution to address exceedance of instrument calibration range.
J	The reported result is an estimated value.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
M	Denotes matrix spike recoveries outside QC limits. Matrix bias indicated.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ	Indicates estimated non-detect.

Table 4A
Summary of Analytical Results in Soil - Imported Fill Soils
Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			LI-IMP-S1C	LI-IMP-S1g1	LI-IMP-S1g2	LI-IMP-S1g3	LI-IMP-S2C	LI-IMP-S2g1	LI-IMP-S2g2	LI-IMP-S2g3	LI-IMP-S2g4
Sample Date			18-Jul-14	18-Jul-14	18-Jul-14	18-Jul-14	22-Jul-14	22-Jul-14	22-Jul-14	22-Jul-14	22-Jul-14
Sample ID			LI-IMP-S1C	LI-IMP-S1g1	LI-IMP-S1g2	LI-IMP-S1g3	LI-IMP-S2C	LI-IMP-S2g1	LI-IMP-S2g2	LI-IMP-S2g3	LI-IMP-S2g4
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			143131	143131	143131	143131	143128	143128	143128	143128	143128
Laboratory Sample ID			143131-04	143131-01	143131-02	143131-03	143128-05	143128-01	143128-02	143128-03	143128-04
Sample Type	Units	NYSDEC									
General Chemistry											
Cyanide	mg/kg	40$_i^A$ 27$_i^B$	0.53 UJ	-	-	-	0.51 U	-	-	-	-
Metals											
Arsenic	mg/kg	16$_g^{AB}$	0.882 J	-	-	-	3.16	-	-	-	-
Barium	mg/kg	820^A 400^B	9.96	-	-	-	73.6	-	-	-	-
Beryllium	mg/kg	47^A 72^B	0.486 U	-	-	-	0.342 J	-	-	-	-
Cadmium	mg/kg	7.5^A 4.3^B	0.486 U	-	-	-	0.595 U	-	-	-	-
Chromium (Hexavalent)	mg/kg	19$_i^A$ 110$_i^B$	0.4 U	-	-	-	0.4 U	-	-	-	-
Chromium (Total)	mg/kg	$_{NS,q}^{AB}$	5.49	-	-	-	12.2	-	-	-	-
Copper	mg/kg	1720^A 270^B	4.85	-	-	-	15.3	-	-	-	-
Lead	mg/kg	450^A 400^B	1.81	-	-	-	49.6	-	-	-	-
Manganese	mg/kg	2000$_g^{AB}$	239	-	-	-	574	-	-	-	-
Mercury	mg/kg	0.73^A 0.81$_x^B$	0.0177 U	-	-	-	0.154	-	-	-	-
Nickel	mg/kg	130^A 310^B	4.94	-	-	-	10.1	-	-	-	-
Selenium	mg/kg	4$_g^A$ 180^B	1.28	-	-	-	2.59	-	-	-	-
Silver	mg/kg	8.3^A 180^B	0.972 U	-	-	-	1.19 U	-	-	-	-
Zinc	mg/kg	2480^A 10000$_e^B$	13.7	-	-	-	88.8	-	-	-	-
Polychlorinated Biphenyls											
Aroclor 1016	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1221	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1232	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1242	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1248	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1254	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1260	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1262	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Aroclor 1268	mg/kg	3.2$_o^A$ 1$_o^B$	0.0299 U	-	-	-	0.0313 U	-	-	-	-
Pesticides											
Aldrin	µg/kg	190^A 97^B	2.99 U	-	-	-	3.13 U	-	-	-	-
BHC, alpha-	µg/kg	20^A 480^B	2.99 U	-	-	-	1.72 J	-	-	-	-
BHC, beta-	µg/kg	90^A 360^B	2.99 U	-	-	-	3.13 U	-	-	-	-
BHC, delta-	µg/kg	250^A 100000$_b^B$	2.99 U	-	-	-	3.13 U	-	-	-	-
Camphechlor (Toxaphene)	µg/kg	1000000$_d^A$ 100000$_b^B$	29.9 U	-	-	-	31.3 U	-	-	-	-
Chlordane, alpha-	µg/kg	2900^A 4200^B	2.99 U	-	-	-	3.13 U	-	-	-	-
Chlordane, trans-	µg/kg	n/v	2.99 U	-	-	-	3.13 U	-	-	-	-
DDD (p,p'-DDD)	µg/kg	14000^A 13000^B	2.99 U	-	-	-	1.66	-	-	-	-
DDE (p,p'-DDE)	µg/kg	17000^A 8900^B	2.99 U	-	-	-	5.00	-	-	-	-
DDT (p,p'-DDT)	µg/kg	136000^A 7900^B	2.99 U	-	-	-	3.34	-	-	-	-
Dieldrin	µg/kg	100^A 200^B	2.99 U	-	-	-	3.07 NJ	-	-	-	-
Endosulfan I	µg/kg	102000^A 24000$_j^B$	2.99 U	-	-	-	3.13 U	-	-	-	-
Endosulfan II	µg/kg	102000^A 24000$_j^B$	2.99 U	-	-	-	3.13 U	-	-	-	-
Endosulfan Sulfate	µg/kg	1000000$_d^A$ 24000$_j^B$	2.99 U	-	-	-	3.13 U	-	-	-	-
Endrin	µg/kg	60^A 11000^B	2.99 U	-	-	-	3.13 U	-	-	-	-
Endrin Aldehyde	µg/kg	1000000$_d^A$ 100000$_b^B$	2.99 U	-	-	-	3.13 U	-	-	-	-
Endrin Ketone	µg/kg	1000000$_d^A$ 100000$_b^B$	2.99 U	-	-	-	3.13 U	-	-	-	-
Heptachlor	µg/kg	380^A 2100^B	2.99 U	-	-	-	3.13 U	-	-	-	-
Heptachlor Epoxide	µg/kg	1000000$_d^A$ 100000$_b^B$ 20^C	2.99 U	-	-	-	3.13 U	-	-	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	100^A 1300^B	2.99 U	-	-	-	3.13 U	-	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	1000000$_d^A$ 100000$_b^B$ 900000^C	2.99 U	-	-	-	3.13 U	-	-	-	-
2,4,5-TP (Silvex)	µg/kg	3800^A 100000$_b^B$	212 U	-	-	-	224 U	-	-	-	-
Semi-Volatile Organic Compounds											
Acenaphthene	µg/kg	98000^A 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Acenaphthylene	µg/kg	107000^A 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Acetophenone	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Anthracene	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Atrazine	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Benzaldehyde	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Benzo(a)anthracene	µg/kg	1000$_g^{AB}$	301 U	-	-	-	313 U	-	-	-	-
Benzo(a)pyrene	µg/kg	22000^A 1000$_g^B$	301 U	-	-	-	313 U	-	-	-	-
Benzo(b)fluoranthene	µg/kg	1700^A 1000$_g^B$	301 U	-	-	-	313 U	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Benzo(k)fluoranthene	µg/kg	1700^A 3900^B	301 U	-	-	-	313 U	-	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Bis(2-Chloroethyl)ether	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	1000000$_d^A$ 100000$_b^B$ 435000^C	301 U	-	-	-	313 U	-	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Butyl Benzyl Phthalate	µg/kg	1000000$_d^A$ $_{NS}^B$ 122000^C	301 U	-	-	-	313 U	-	-	-	-
Caprolactam	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Carbazole	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	1000000$_d^A$ 100000$_b^B$	301 UJ	-	-	-	313 UJ	-	-	-	-
Chloroaniline, 4-	µg/kg	1000000$_d^A$ $_{NS}^B$ 220^C	***301 U***	-	-	-	***313 U***	-	-	-	-
Chloronaphthalene, 2-	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Chrysene	µg/kg	1000$_g^A$ 3900^B	301 U	-	-	-	313 U	-	-	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	330$_r^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	330$_r^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	1000000$_d^A$ 330$_r^B$	301 U	-	-	-	313 U	-	-	-	-
Dibenzofuran	µg/kg	210000^A 59000^B 6200^C	301 U	-	-	-	313 U	-	-	-	-
Dibutyl Phthalate (DBP)	µg/kg	1000000$_d^A$ $_{NS}^B$ 8100^C	301 U	-	-	-	313 U	-	-	-	-
Dichlorobenzene, 1,2-	µg/kg	1100^A 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Dichlorobenzene, 1,3-	µg/kg	2400^A 49000^B	301 U	-	-	-	313 U	-	-	-	-
Dichlorobenzene, 1,4-	µg/kg	1800^A 13000^B	301 U	-	-	-	313 U	-	-	-	-
Dichlorobenzidine, 3,3'-	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Dichlorophenol, 2,4-	µg/kg	1000000$_d^A$ 100000$_b^B$ 400^C	301 U	-	-	-	313 U	-	-	-	-
Diethyl Phthalate	µg/kg	1000000$_d^A$ 100000$_b^B$ 7100^C	301 U	-	-	-	313 U	-	-	-	-
Dimethyl Phthalate	µg/kg	1000000$_d^A$ 100000$_b^B$ 27000^C	602 U	-	-	-	626 U	-	-	-	-
Dimethylphenol, 2,4-	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Dinitro-o-cresol, 4,6-	µg/kg	1000000$_d^A$ 100000$_b^B$	602 U	-	-	-	626 U	-	-	-	-
Dinitrophenol, 2,4-	µg/kg	1000000$_d^A$ 100000$_b^B$ 200^C	***602 U***	-	-	-	***626 U***	-	-	-	-
Dinitrotoluene, 2,4-	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Dinitrotoluene, 2,6-	µg/kg	1000000$_d^A$ 100000$_b^B$ 1000/170$_{b,s1}^C$	301 U	-	-	-	313 U	-	-	-	-
Di-n-Octyl phthalate	µg/kg	1000000$_d^A$ 100000$_b^B$ 120000^C	301 U	-	-	-	313 U	-	-	-	-
Fluoranthene	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	172 J	-	-	-	-
Fluorene	µg/kg	386000^A 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Hexachlorobenzene	µg/kg	3200^A 1200^B 1400^C	301 U	-	-	-	313 U	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-
Hexachlorocyclopentadiene	µg/kg	1000000$_d^A$ 100000$_b^B$	301 U	-	-	-	313 U	-	-	-	-

See last page for notes.

Table 4A
Summary of Analytical Results in Soil - Imported Fill Soils
Former Carriage Factory
33 Litchfield Street, Rochester, New York

Sample Location			LI-IMP-S1C	LI-IMP-S1g1	LI-IMP-S1g2	LI-IMP-S1g3	LI-IMP-S2C	LI-IMP-S2g1	LI-IMP-S2g2	LI-IMP-S2g3	LI-IMP-S2g4
Sample Date			18-Jul-14	18-Jul-14	18-Jul-14	18-Jul-14	22-Jul-14	22-Jul-14	22-Jul-14	22-Jul-14	22-Jul-14
Sample ID			LI-IMP-S1C	LI-IMP-S1g1	LI-IMP-S1g2	LI-IMP-S1g3	LI-IMP-S2C	LI-IMP-S2g1	LI-IMP-S2g2	LI-IMP-S2g3	LI-IMP-S2g4
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			143131	143131	143131	143131	143128	143128	143128	143128	143128
Laboratory Sample ID			143131-04	143131-01	143131-02	143131-03	143128-05	143128-01	143128-02	143128-03	143128-04
Sample Type	Units	NYSDEC									
Semi-Volatile Organic Compounds (cont'd)											
Hexachloroethane	µg/kg	1000000$_d$[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	8200[A] 500$_g$[B]	301 U	-	-	-	313 U	-	-	-	-
Isophorone	µg/kg	1000000$_d$[A] 100000$_b$[B] 4400[C]	301 U	-	-	-	313 U	-	-	-	-
Methylnaphthalene, 2-	µg/kg	1000000$_d$[A] 100000$_b$[B] 36400[C]	301 U	-	-	-	313 U	-	-	-	-
Naphthalene	µg/kg	12000[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
Nitroaniline, 2-	µg/kg	1000000$_d$[A] 100000$_b$[B] 400[C]	***602 U***	-	-	-	***626 U***	-	-	-	-
Nitroaniline, 3-	µg/kg	1000000$_d$[A] 100000$_b$[B] 500[C]	***602 U***	-	-	-	***626 U***	-	-	-	-
Nitroaniline, 4-	µg/kg	1000000$_d$[A] 100000$_b$[B]	602 U	-	-	-	626 U	-	-	-	-
Nitrobenzene	µg/kg	1000000$_d$[A] 100000$_b$[B] 170$_b$[C] 15000[D]	***301 U***	-	-	-	***313 U***	-	-	-	-
Nitrophenol, 2-	µg/kg	1000000$_d$[A] 100000$_b$[B] 300[C]	***301 U***	-	-	-	***313 U***	-	-	-	-
Nitrophenol, 4-	µg/kg	1000000$_d$[A] 100000$_b$[B] 100[C]	***602 U***	-	-	-	***626 U***	-	-	-	-
N-Nitrosodi-n-Propylamine	µg/kg	1000000$_d$[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
n-Nitrosodiphenylamine	µg/kg	1000000$_d$[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
Pentachlorophenol	µg/kg	800$_f$[A] 6700[B]	602 UJ	-	-	-	626 UJ	-	-	-	-
Phenanthrene	µg/kg	1000000$_d$[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
Phenol	µg/kg	330$_f$[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
Pyrene	µg/kg	1000000$_d$[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	301 U	-	-	-	313 U	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	1000000$_d$[A] 100000$_b$[B] 3400[C]	301 U	-	-	-	313 U	-	-	-	-
Trichlorophenol, 2,4,5-	µg/kg	1000000$_d$[A] 100000$_b$[B] 100[C]	***602 U***	-	-	-	***626 U***	-	-	-	-
Trichlorophenol, 2,4,6-	µg/kg	1000000$_d$[A] 100000$_b$[B]	301 U	-	-	-	313 U	-	-	-	-
Total SVOC	µg/kg	n/v	ND	-	-	-	172	-	-	-	-
Volatile Organic Compounds											
Acetone	µg/kg	50[A] 100000$_b$[B]	-	19.8 UJ	26.4 J-	19.1 UJ	-	18.4 UJ	18.5 UJ	18.7 UJ	16.3 UJ
Benzene	µg/kg	60[A] 4800[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Bromodichloromethane	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Bromoform (Tribromomethane)	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Bromomethane (Methyl bromide)	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Butylbenzene, n-	µg/kg	12000[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	11000[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Butylbenzene, tert-	µg/kg	5900[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Carbon Disulfide	µg/kg	1000000$_d$[A] 100000$_b$[B] 2700[C]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	760[A] 2400[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Chlorobenzene (Monochlorobenzene)	µg/kg	1100[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Chlorobromomethane	µg/kg	n/v	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Chloroethane (Ethyl Chloride)	µg/kg	1000000$_d$[A] 100000$_b$[B] 1900[C]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Chloroform (Trichloromethane)	µg/kg	370[A] 49000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Chloromethane	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Cyclohexane	µg/kg	n/v	-	19.8 UJ	18.2 UJ	19.1 UJ	-	18.4 UJ	18.5 UJ	18.7 UJ	16.3 UJ
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	-	19.8 UJ	18.2 UJ	19.1 UJ	-	18.4 UJ	18.5 UJ	18.7 UJ	16.3 UJ
Dibromochloromethane	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichlorobenzene, 1,2-	µg/kg	1100[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichlorobenzene, 1,3-	µg/kg	2400[A] 49000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichlorobenzene, 1,4-	µg/kg	1800[A] 13000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloroethane, 1,1-	µg/kg	270[A] 26000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloroethane, 1,2-	µg/kg	20$_g$[A] 3100[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloroethene, 1,1-	µg/kg	330[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloroethene, cis-1,2-	µg/kg	250[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloroethene, trans-1,2-	µg/kg	190[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloropropane, 1,2-	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloropropene, cis-1,3-	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dichloropropene, trans-1,3-	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Dioxane, 1,4-	µg/kg	100$_f$[A] 13000[B]	-	R	R	R	-	R	R	R	R
Ethylbenzene	µg/kg	1000[A] 41000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	4.10 J-	3.26 UJ
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Isopropylbenzene	µg/kg	1000000$_d$[A] 100000$_b$[B] 2300[C]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Isopropyltoluene, p- (Cymene)	µg/kg	1000000$_d$[A] 100000$_b$[B] 10000[C]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Methyl Acetate	µg/kg	n/v	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Methyl Ethyl Ketone (MEK)	µg/kg	120[A] 100000$_b$[B] 300[C]	-	19.8 UJ	18.2 UJ	19.1 UJ	-	18.4 UJ	18.5 UJ	18.7 UJ	16.3 UJ
Methyl Isobutyl Ketone (MIBK)	µg/kg	1000000$_d$[A] 100000$_b$[B] 1000[C]	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Methyl tert-butyl ether (MTBE)	µg/kg	930[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Methylcyclohexane	µg/kg	n/v	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Methylene Chloride (Dichloromethane)	µg/kg	50[A] 100000$_b$[B]	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Naphthalene	µg/kg	12000[A] 100000$_b$[B]	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Propylbenzene, n-	µg/kg	3900[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	4.26 J-	3.26 UJ
Styrene	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Tetrachloroethane, 1,1,2,2-	µg/kg	1000000$_d$[A] 100000$_b$[B] 600[C]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Tetrachloroethene (PCE)	µg/kg	1300[A] 19000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Toluene	µg/kg	700[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	4.58 J-
Trichlorobenzene, 1,2,3-	µg/kg	n/v	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Trichlorobenzene, 1,2,4-	µg/kg	1000000$_d$[A] 100000$_b$[B] 3400[C]	-	9.89 UJ	9.09 UJ	9.54 UJ	-	9.22 UJ	9.25 UJ	9.35 UJ	8.15 UJ
Trichloroethane, 1,1,1-	µg/kg	680[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Trichloroethane, 1,1,2-	µg/kg	1000000$_d$[A] 100000$_b$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Trichloroethene (TCE)	µg/kg	470[A] 21000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Trichlorotrifluoroethane (Freon 113)	µg/kg	1000000$_d$[A] 100000$_b$[B] 6000[C]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Trimethylbenzene, 1,2,4-	µg/kg	3600[A] 52000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	49.6 J-	3.26 UJ
Trimethylbenzene, 1,3,5-	µg/kg	8400[A] 52000[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	21.8 J-	3.26 UJ
Vinyl chloride	µg/kg	20[A] 900[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	3.74 UJ	3.26 UJ
Xylene, m & p-	µg/kg	1600$_p$[A] 100000$_{b,p}$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	2.03 J-	24.9 J-	11.7 J-
Xylene, o-	µg/kg	1600$_p$[A] 100000$_{b,p}$[B]	-	3.96 UJ	3.63 UJ	3.82 UJ	-	3.69 UJ	3.70 UJ	2.32 J-	3.98 J-
Total VOC	µg/kg	n/v	-	ND J-	26.4 J-	ND J-	-	ND J-	2.03 J-	106.98 J-	20.26 J-

See last page for notes.

Table 4A
Summary of Analytical Results in Soil - Imported Fill Soils
Former Carriage Factory
33 Litchfield Street, Rochester, New York

Notes:

NYSDEC	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Groundwater
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
C	Table 1 Supplemental Soil Cleanup Objectives - Protection of Groundwater
D	Table 1 Supplemental Soil Cleanup Objectives - Restricted Residential
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory reportable detection limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory reportable detection limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS	No SCO has been established for this compound.
NS,q[AB]	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
b[C]	Based on rural background study
b[B]	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
b,s1	Based on rural background study. The value of 1.0 refers to SVOC analses while the 0.17b refers to VOC analyses.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
e	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
f[AB]	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g[AB]	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
i[AB]	The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.
j	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
k	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
o[AB]	The criterion is applicable to total PCBs, and the individual Aroclors should be added for comparison.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
J	The reported result is an estimated value.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	Indicates estimated non-detect.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI-B301	LI-B302	LI-B303	LI-B306
Sample Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI - B301 (0.3-1')	LI - B302 (1.3-2')	LI - B303 (1-1.75')	LI - B306 (0.5-1.3')
Sample Depth			0 - 3 ft	4 - 8 ft	1 - 3 ft	6 - 8 ft	1 - 3 ft	6 - 8 ft	9 - 10 ft	0 - 4 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 3 ft	0 - 4 ft	6 - 8 ft	4 - 8 ft	4 - 6 ft	2 - 7 ft	0.3 - 1 ft	1.3 - 2 ft	1 - 1.75 ft	0.5 - 1.3 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	133107	133107	133107	133107
Laboratory Sample ID			132642-01	132642-02	132642-03	132642-04	132642-05	132642-06	132642-07	132642-08	132642-09	132642-10	132642-11	132642-12	132642-13	132642-14	132642-15	132642-16	132642-17	133107-01	133107-02	133107-03	133107-04
Sample Type	Unist	NYSDEC																					
General Chemistry																							
Cyanide	mg/kg	27[A]	-	-	-	-	-	-	-	0.59 U	0.57 UJ	-	0.59 U	-	0.990	-	0.58 UJ	-	0.63 UJ	-	-	-	-
Metals																							
Aluminum	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	16$_g$[A]	-	-	-	-	-	-	-	15.1	1.12 J	-	12.4	-	8.20	-	2.37	-	2.07	-	-	-	-
Barium	mg/kg	400[A]	-	-	-	-	-	-	-	383	18.6	-	134	-	92.4	-	30.9	-	54.8	-	-	-	-
Beryllium	mg/kg	72[A]	-	-	-	-	-	-	-	0.695	0.642 U	-	0.603 U	-	0.531 J	-	0.359 J	-	0.418 J	-	-	-	-
Cadmium	mg/kg	4.3[A]	-	-	-	-	-	-	-	2.62	0.642 U	-	**5.49[A]**	-	1.04	-	0.577 U	-	0.566 U	-	-	-	-
Calcium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	mg/kg	110[A]	-	-	-	-	-	-	-	0.5 U	0.5 U	-	0.5 U	-	0.5 U	-	0.5 U	-	0.600	-	-	-	-
Chromium (Total)	mg/kg	NS$_d$[A]	-	-	-	-	-	-	-	72.4	5.74	-	327	-	27.6	-	9.63	-	12.6	-	-	-	-
Cobalt	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	270[A]	-	-	-	-	-	-	-	**1440[A]**	7.14	-	**2940[A]**	-	**393[A]**	-	11.8	-	19.8	-	-	-	-
Iron	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	400[A]	-	-	-	-	-	-	-	**1170[A]**	3.88	-	**24500[A]**	-	363	-	6.14	-	7.25	**1430[A]**	11.4	**7170[A]**	**5440[A]**
Magnesium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	2000$_g$[A]	-	-	-	-	-	-	-	419	157	-	628	-	994	-	443	-	339	-	-	-	-
Mercury	mg/kg	0.81$_k$[A]	-	-	-	-	-	-	-	0.564	0.0190	-	0.759	-	**1.07[A]**	-	0.0304	-	0.0254	-	-	-	-
Nickel	mg/kg	310[A]	-	-	-	-	-	-	-	86.2	5.03 J	-	**761[A]**	-	32.0	-	9.47	-	11.1	-	-	-	-
Potassium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/kg	180[A]	-	-	-	-	-	-	-	1.27 U	1.28 U	-	3.43	-	0.947 J	-	1.15 U	-	1.13 U	-	-	-	-
Silver	mg/kg	180[A]	-	-	-	-	-	-	-	3.61	1.28 U	-	7.72	-	4.13	-	0.683 J	-	0.745 J	-	-	-	-
Sodium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	10000$_e$[A]	-	-	-	-	-	-	-	666	13.4	-	873	-	189	-	25.4	-	28.9	-	-	-	-
Metals, TCLP																							
Lead	mg/L	0.015[B]	-	-	-	-	-	-	-	**2.61[B]**	***0.100 U***	-	**93.9[B]**	-	**4.40[B]**	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																							
Aroclor 1016	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1221	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1232	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1242	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1248	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1254	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1260	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1262	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.147	0.0324 U	-	0.0339 U	-	0.102	-	0.0337 U	-	0.0345 U	-	-	-	-
Aroclor 1268	mg/kg	1$_o$[A]	-	-	-	-	-	-	-	0.0325 U	0.0324 U	-	0.0339 U	-	0.0341 U	-	0.0337 U	-	0.0345 U	-	-	-	-
Pesticides																							
Aldrin	µg/kg	97[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
BHC, alpha-	µg/kg	480[A]	-	-	-	-	-	-	-	3.34	3.24 UJ	-	2.92 J	-	2.64 J	-	3.37 UJ	-	3.45 UJ	-	-	-	-
BHC, beta-	µg/kg	360[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
BHC, delta-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Camphechlor (Toxaphene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	32.5 U	32.4 UJ	-	33.9 U	-	34.1 U	-	33.7 UJ	-	34.5 UJ	-	-	-	-
Chlordane, alpha-	µg/kg	4200[A]	-	-	-	-	-	-	-	5.03	3.24 UJ	-	3.19 C J	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
DDD (p,p'-DDD)	µg/kg	13000[A]	-	-	-	-	-	-	-	18.6 C	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
DDE (p,p'-DDE)	µg/kg	8900[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
DDT (p,p'-DDT)	µg/kg	7900[A]	-	-	-	-	-	-	-	15.0 C	3.24 UJ	-	3.39 U	-	9.46 C	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Dieldrin	µg/kg	200[A]	-	-	-	-	-	-	-	13.0	3.24 UJ	-	3.39 U	-	10.1 C	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Endosulfan I	µg/kg	24000[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Endosulfan II	µg/kg	24000[A]	-	-	-	-	-	-	-	6.24 C	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Endosulfan Sulfate	µg/kg	24000[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Endrin	µg/kg	11000[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.93 C	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Endrin Aldehyde	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.41	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Endrin Ketone	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	4.20 C	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Heptachlor	µg/kg	2100[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Heptachlor Epoxide	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI-B301	LI-B302	LI-B303	LI-B306
Sample Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI - B301 (0.3-1')	LI - B302 (1.3-2')	LI - B303 (1-1.75')	LI - B306 (0.5-1.3')
Sample Depth			0 - 3 ft	4 - 8 ft	1 - 3 ft	6 - 8 ft	1 - 3 ft	6 - 8 ft	9 - 10 ft	0 - 4 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 3 ft	0 - 4 ft	6 - 8 ft	4 - 8 ft	4 - 6 ft	2 - 7 ft	0.3 - 1 ft	1.3 - 2 ft	1 - 1.75 ft	0.5 - 1.3 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory Work Order			132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	133107	133107	133107	133107
Laboratory Sample ID			132642-01	132642-02	132642-03	132642-04	132642-05	132642-06	132642-07	132642-08	132642-09	132642-10	132642-11	132642-12	132642-13	132642-14	132642-15	132642-16	132642-17	133107-01	133107-02	133107-03	133107-04
Sample Type	Unit	NYSDEC																					
Semi-Volatile Organic Compounds																							
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3.25 U	3.24 UJ	-	3.39 U	-	3.41 U	-	3.37 UJ	-	3.45 UJ	-	-	-	-
2,4,5-TP (Silvex)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	238 U	228 U	-	235 U	-	234 U	-	232 U	-	253 U	-	-	-	-
Acenaphthene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Acenaphthylene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Acetophenone	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Anthracene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	247 J	-	345	-	334 U	-	348 U	-	-	-	-
Atrazine	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Benzaldehyde	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Benzo(a)anthracene	µg/kg	1000$_g$[A]	-	-	-	-	-	-	-	***1630 U***	323 U	-	336 U	-	768	-	334 U	-	348 U	-	-	-	-
Benzo(a)pyrene	µg/kg	1000$_g$[A]	-	-	-	-	-	-	-	***1630 U***	323 U	-	336 U	-	778	-	334 U	-	348 U	-	-	-	-
Benzo(b)fluoranthene	µg/kg	1000$_g$[A]	-	-	-	-	-	-	-	***1630 U***	323 U	-	336 U	-	659	-	334 U	-	348 U	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	290 J	-	574	-	334 U	-	348 U	-	-	-	-
Benzo(k)fluoranthene	µg/kg	3900[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	511	-	334 U	-	348 U	-	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	192 J	-	336 U	-	205 J	-	180 J	-	195 J	-	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Butyl Benzyl Phthalate	µg/kg	[A] NS	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Caprolactam	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Carbazole	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Chloroaniline, 4-	µg/kg	[A] NS	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Chloronaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Chrysene	µg/kg	3900[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	805	-	334 U	-	348 U	-	-	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	330$_t$[A]	-	-	-	-	-	-	-	***1630 U***	323 U	-	***336 U***	-	***344 U***	-	***334 U***	-	***348 U***	-	-	-	-
Dibenzofuran	µg/kg	59000[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dibutyl Phthalate (DBP)	µg/kg	[A] NS	-	-	-	-	-	-	-	1630 U	323 U	-	201 J	-	344 U	-	334 U	-	348 U	-	-	-	-
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Diethyl Phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dimethyl Phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dinitro-o-cresol, 4,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Di-n-Octyl phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Fluoranthene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	837	-	1610	-	334 U	-	348 U	-	-	-	-
Fluorene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Hexachlorobenzene	µg/kg	1200[A]	-	-	-	-	-	-	-	***1630 U***	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Hexachloroethane	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A]	-	-	-	-	-	-	-	***1630 U***	323 U	-	488	-	**738**[A]	-	334 U	-	348 U	-	-	-	-
Isophorone	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Methylnaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Naphthalene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Nitroaniline, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Nitroaniline, 3-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Nitroaniline, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Nitrobenzene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Nitrophenol, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Nitrophenol, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
N-Nitrosodi-n-Propylamine	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI-B301	LI-B302	LI-B303	LI-B306
Sample Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI - B301 (0.3-1')	LI - B302 (1.3-2')	LI - B303 (1-1.75')	LI - B306 (0.5-1.3')
Sample Depth			0 - 3 ft	4 - 8 ft	1 - 3 ft	6 - 8 ft	1 - 3 ft	6 - 8 ft	9 - 10 ft	0 - 4 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 3 ft	0 - 4 ft	6 - 8 ft	4 - 8 ft	4 - 6 ft	2 - 7 ft	0.3 - 1 ft	1.3 - 2 ft	1 - 1.75 ft	0.5 - 1.3 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	133107	133107	133107	133107
Laboratory Sample ID			132642-01	132642-02	132642-03	132642-04	132642-05	132642-06	132642-07	132642-08	132642-09	132642-10	132642-11	132642-12	132642-13	132642-14	132642-15	132642-16	132642-17	133107-01	133107-02	133107-03	133107-04
Sample Type	Unit	NYSDEC																					
n-Nitrosodiphenylamine	µg/kg	100000 [A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI-B301	LI-B302	LI-B303	LI-B306
Sample Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI - B301 (0.3-1')	LI - B302 (1.3-2')	LI - B303 (1-1.75')	LI - B306 (0.5-1.3')
Sample Depth			0 - 3 ft	4 - 8 ft	1 - 3 ft	6 - 8 ft	1 - 3 ft	6 - 8 ft	9 - 10 ft	0 - 4 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 3 ft	0 - 4 ft	6 - 8 ft	4 - 8 ft	4 - 6 ft	2 - 7 ft	0.3 - 1 ft	1.3 - 2 ft	1 - 1.75 ft	0.5 - 1.3 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	133107	133107	133107	133107
Laboratory Sample ID			132642-01	132642-02	132642-03	132642-04	132642-05	132642-06	132642-07	132642-08	132642-09	132642-10	132642-11	132642-12	132642-13	132642-14	132642-15	132642-16	132642-17	133107-01	133107-02	133107-03	133107-04
Sample Type	Unist	NYSDEC																					
Semi-Volatile Organic Compounds (cont'd)																							
Pentachlorophenol	µg/kg	6700[A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Phenanthrene	µg/kg	100000[b][A]	-	-	-	-	-	-	-	1630 U	323 U	-	911	-	1380	-	334 U	-	348 U	-	-	-	-
Phenol	µg/kg	100000[b][A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Pyrene	µg/kg	100000[b][A]	-	-	-	-	-	-	-	1630 U	323 U	-	793	-	1610	-	334 U	-	348 U	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000[b][A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Trichlorophenol, 2,4,5-	µg/kg	100000[b][A]	-	-	-	-	-	-	-	3260 U	645 U	-	671 U	-	687 U	-	668 U	-	696 U	-	-	-	-
Trichlorophenol, 2,4,6-	µg/kg	100000[b][A]	-	-	-	-	-	-	-	1630 U	323 U	-	336 U	-	344 U	-	334 U	-	348 U	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/kg	100000[b][A]	104 U	19.8 U	29.0 B	49 U	405	42 U	20.8 UJ	-	-	24.2 U	-	21.7 U	-	20.6 U	-	18.6 U	-	-	-	-	-
Benzene	µg/kg	4800[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Bromodichloromethane	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Bromoform (Tribromomethane)	µg/kg	100000[b][A]	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Butylbenzene, n-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	3.60 J	22.3	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Butylbenzene, tert-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	37.6	4.66	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Carbon Disulfide	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	22.2	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Chlorobromomethane	µg/kg	n/v	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Chloroform (Trichloromethane)	µg/kg	49000[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Chloromethane	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Cyclohexane	µg/kg	n/v	104 U	19.8 U	22.9 U	21.5 U	20.9 U	20.0 U	20.8 UJ	-	-	24.2 U	-	21.7 U	-	20.6 U	-	18.6 U	-	-	-	-	-
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	104 U	19.8 U	22.9 U	21.5 U	20.9 U	20.0 U	20.8 UJ	-	-	24.2 U	-	21.7 U	-	20.6 U	-	18.6 U	-	-	-	-	-
Dibromochloromethane	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloroethane, 1,1-	µg/kg	26000[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloroethane, 1,2-	µg/kg	3100[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloroethene, 1,1-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/kg	100000[b][A]	30.8	3.96 U	3.46 J	4.30 U	81.5	4.00 U	4.16 UJ	-	-	3.29 J	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloroethene, trans-1,2-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	2.38 J	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloropropane, 1,2-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Dioxane, 1,4-	µg/kg	13000[A]	207 U	R	45.8 U	R	41.8 U	R	R	-	-	48.4 U	-	43.5 U	-	R	-	R	-	-	-	-	-
Ethylbenzene	µg/kg	41000[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000[b][A]	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Isopropylbenzene	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	2.79 J	3.58 J	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Isopropyltoluene, p- (Cymene)	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	3.37 J	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Methyl Acetate	µg/kg	n/v	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	µg/kg	100000[b][A]	104 U	19.8 UJ	22.9 U	21.5 UJ	99.8	20.0 UJ	20.8 UJ	-	-	24.2 U	-	21.7 UJ	-	20.6 U	-	18.6 UJ	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000[b][A]	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Methylcyclohexane	µg/kg	n/v	20.7 U	3.96 U	4.58 U	4.30 U	5.27	133	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/kg	100000[b][A]	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Naphthalene	µg/kg	100000[b][A]	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Propylbenzene, n-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	3.65 J	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Styrene	µg/kg	100000[b][A]	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Tetrachloroethene (PCE)	µg/kg	19000[A]	526	3.96 U	88.2	5.74	18.6	4.00 U	4.16 UJ	-	-	407	-	2.30 J	-	64.7	-	3.71 U	-	-	-	-	-
Toluene	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	5.01	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	n/v	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000[b][A]	51.8 U	9.91 U	11.4 U	10.8 U	10.5 U	10.0 U	10.4 UJ	-	-	12.1 U	-	10.9 U	-	10.3 U	-	9.28 U	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/kg	100000[b][A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Trichloroethene (TCE)	µg/kg	21000[A]	249	3.96 U	13.7	4.30 U	19.4	4.00 U	4.16 UJ	-	-	91.3	-	11.3	-	10.8	-	3.71 U	-	-	-	-	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI-B301	LI-B302	LI-B303	LI-B306
Sample Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-EXT-S1g1	LI-EXT-S1g2	LI-EXT-S1g3	LI-EXT-S1g4	LI-EXT-S1g5	LI-EXT-S1g6	LI-EXT-S1g7	LI-EXT-S1c1	LI-EXT-S1c2	LI-EXT-S2g	LI-EXT-S2c	LI-EXT-S3g	LI-EXT-S3c	LI-EXT-S4g	LI-EXT-S4c	LI-EXT-S5g	LI-EXT-S5c	LI - B301 (0.3-1')	LI - B302 (1.3-2')	LI - B303 (1-1.75')	LI - B306 (0.5-1.3')
Sample Depth			0 - 3 ft	4 - 8 ft	1 - 3 ft	6 - 8 ft	1 - 3 ft	6 - 8 ft	9 - 10 ft	0 - 4 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 3 ft	0 - 4 ft	6 - 8 ft	4 - 8 ft	4 - 6 ft	2 - 7 ft	0.3 - 1 ft	1.3 - 2 ft	1 - 1.75 ft	0.5 - 1.3 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	132642	133107	133107	133107	133107
Laboratory Sample ID			132642-01	132642-02	132642-03	132642-04	132642-05	132642-06	132642-07	132642-08	132642-09	132642-10	132642-11	132642-12	132642-13	132642-14	132642-15	132642-16	132642-17	133107-01	133107-02	133107-03	133107-04
Sample Type	Unit	NYSDEC																					
Volatile Organic Compounds (cont'd)																							
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000$_{b}$[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.18 U	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/kg	52000[A]	20.7 U	3.96 U	4.58 U	4.30 U	7.66	8.07	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/kg	52000[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.66	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Vinyl chloride	µg/kg	900[A]	20.7 U	3.96 U	4.58 U	4.30 U	4.12 J	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Xylene, m & p-	µg/kg	100000$_{b,p}$[A]	20.7 U	3.96 U	4.58 U	4.30 U	10.0	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Xylene, o-	µg/kg	100000$_{b,p}$[A]	20.7 U	3.96 U	4.58 U	4.30 U	5.84	4.00 U	4.16 UJ	-	-	4.84 U	-	4.35 U	-	4.12 U	-	3.71 U	-	-	-	-	-
Volatile Organic Compounds, TCLP																							
Benzene	µg/L	0.7[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	5[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	5[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	µg/L	50[B]	***100 U***	-	***100 U***	-	***100 U***	***100 U***	-	-	-	-	-	-	-	***100 U***	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	5[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	5[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	***20.0 U***	-	***20.0 U***	-	***20.0 U***	***20.0 U***	-	-	-	-	-	-	-	***20.0 U***	-	-	-	-	-	-	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B308	LI-B309	LI-EXT-B201		LI-EXT-B203		LI-EXT-B209	LI-Y-S3		LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2		LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Date			29-Jul-13	29-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	12-Jun-13	12-Jun-13	20-Jun-13	20-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI - B308 (0.6-1.2')	LI - B309 (0.3-0.8')	LI-EXT-B201 (1-3')	LI-EXT-B201 (1-3')	LI-EXT-B203 (0-4')	LI-EXT-B203 (0-4')	LI-EXT-B209 (2-4')	LI-Y-S3 - Composite	LI-Y-S3 - Grab	LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2	LI-Y-S6c2	LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Depth			0.6 - 1.2 ft	0.3 - 0.8 ft	1 - 3 ft	1 - 3 ft	0 - 4 ft	0 - 4 ft	2 - 4 ft														
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			133107	133107	132775	132804	132775	132804	132775	132152	132152	132291	132291	132332	132332	132477	132332	132332	132332	132332	132851	132861	132851
Laboratory Sample ID			133107-05	133107-06	132775-01	132804-01	132775-02	132804-02	132775-03	132152-01	132152-02	132291-02	132291-01	132332-01	132332-02	132477-01	132332-03	132332-04	132332-05	132332-06	132851-01	132861-01	132851-03
Sample Type	Unit	NYSDEC																					
General Chemistry																							
Cyanide	mg/kg	27[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51 U	0.63 U	-
Metals																							
Aluminum	mg/kg	[A] NS	-	-	-	-	-	-	-	7320	-	7480	-	4630	8860	-	-	-	-	-	-	-	-
Antimony	mg/kg	[A] NS	-	-	-	-	-	-	-	7.41	-	7.03 U	-	35.5	6.00 U	-	-	-	-	-	-	-	-
Arsenic	mg/kg	16[A] g	-	-	-	-	-	-	-	7.82	-	7.01	-	15.3	3.76	-	-	-	-	-	7.34	2.97	-
Barium	mg/kg	400[A]	-	-	-	-	-	-	-	114	-	92.8	-	63.3	42.7	-	-	-	-	-	79.8	43.1	-
Beryllium	mg/kg	72[A]	-	-	-	-	-	-	-	0.358 J	-	0.379 J	-	0.439 J	0.394 J	-	-	-	-	-	0.530 U	0.348 J	-
Cadmium	mg/kg	4.3[A]	-	-	-	-	-	-	-	0.948	-	1.57	-	2.33	0.401 J	-	-	-	-	-	0.805	0.431 J	-
Calcium	mg/kg	[A] NS	-	-	-	-	-	-	-	20100	-	10700	-	5770	2180	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	mg/kg	110[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4 U	1.0	-
Chromium (Total)	mg/kg	[A] NS,q	-	-	-	-	-	-	-	13.6	-	24.7	-	12.9	10.6	-	-	-	-	-	18.8	11.1	-
Cobalt	mg/kg	[A] NS	-	-	-	-	-	-	-	6.28	-	7.93	-	14.5	6.28	-	-	-	-	-	-	-	-
Copper	mg/kg	270[A]	-	-	-	-	-	-	-	**468[A]**	-	**286[A]**	-	**816[A]**	15.8	-	-	-	-	-	**738[A]**	10.6	-
Iron	mg/kg	[A] NS	-	-	-	-	-	-	-	21100	-	29000	-	92600	19100	-	-	-	-	-	-	-	-
Lead	mg/kg	400[A]	82.4	54.3 P*	**1730[A]**	-	**7520[A]**	-	6.18	**986[A]**	-	**1880[A]**	-	**1360[A]**	20.7	-	-	-	-	-	**2000[A]**	23.3	-
Magnesium	mg/kg	[A] NS	-	-	-	-	-	-	-	7030	-	4250	-	1670	2170	-	-	-	-	-	-	-	-
Manganese	mg/kg	2000[A] g	-	-	-	-	-	-	-	354	-	373	-	297	472	-	-	-	-	-	268	404	-
Mercury	mg/kg	0.81[A] k	-	-	-	-	-	-	-	0.743 D	-	**1.12[A]**	-	**8.18[A]**	0.0550	-	-	-	-	-	**2.53[A]**	0.0578	-
Nickel	mg/kg	310[A]	-	-	-	-	-	-	-	25.4	-	19.4	-	30.8	9.66	-	-	-	-	-	29.8	8.73	-
Potassium	mg/kg	[A] NS	-	-	-	-	-	-	-	767	-	662	-	498	981	-	-	-	-	-	-	-	-
Selenium	mg/kg	180[A]	-	-	-	-	-	-	-	0.660 J	-	0.902 J	-	2.37	1.00 U	-	-	-	-	-	1.06 U	1.15 U	-
Silver	mg/kg	180[A]	-	-	-	-	-	-	-	4.57	-	3.67	-	12.0	1.28	-	-	-	-	-	5.16	1.42	-
Sodium	mg/kg	[A] NS	-	-	-	-	-	-	-	222 J	-	175	-	312 U	250 U	-	-	-	-	-	-	-	-
Thallium	mg/kg	[A] NS	-	-	-	-	-	-	-	2.82 U	-	2.93 U	-	3.12 U	2.50 U	-	-	-	-	-	-	-	-
Vanadium	mg/kg	[A] NS	-	-	-	-	-	-	-	17.1	-	24.0	-	12.0	17.9	-	-	-	-	-	-	-	-
Zinc	mg/kg	10000[A] e	-	-	-	-	-	-	-	292	-	209	-	400	34.8	-	-	-	-	-	263	33.0	-
Metals, TCLP																							
Lead	mg/L	0.015[B]	-	-	-	**5.40[B]**	-	**6.61[B]**	-	-	-	-	-	-	-	-	-	-	-	-	**14.3[B]**	-	-
Mercury	mg/L	0.002[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00200 U	-	-
Polychlorinated Biphenyls																							
Aroclor 1016	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Aroclor 1221	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Aroclor 1232	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Aroclor 1242	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Aroclor 1248	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Aroclor 1254	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Aroclor 1260	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Aroclor 1262	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0310 J	-	0.0530	-	0.0330 U	0.0315 U	-	-	-	-	-	0.166	0.0336 U	-
Aroclor 1268	mg/kg	1[A] o	-	-	-	-	-	-	-	0.0329 U	-	0.0332 U	-	0.0330 U	0.0315 U	-	-	-	-	-	0.0322 U	0.0336 U	-
Pesticides																							
Aldrin	µg/kg	97[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
BHC, alpha-	µg/kg	480[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
BHC, beta-	µg/kg	360[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
BHC, delta-	µg/kg	100000[A] b	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Camphechlor (Toxaphene)	µg/kg	100000[A] b	-	-	-	-	-	-	-	-	-	-	-	-	-	31.7 U	-	-	-	-	32.2 U	33.6 U	-
Chlordane, alpha-	µg/kg	4200[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
DDD (p,p'-DDD)	µg/kg	13000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
DDE (p,p'-DDE)	µg/kg	8900[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
DDT (p,p'-DDT)	µg/kg	7900[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	11.0	3.36 U	-
Dieldrin	µg/kg	200[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	10.9 C	3.36 U	-
Endosulfan I	µg/kg	24000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Endosulfan II	µg/kg	24000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Endosulfan Sulfate	µg/kg	24000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Endrin	µg/kg	11000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.44	3.36 U	-
Endrin Aldehyde	µg/kg	100000[A] b	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	10.3 C	3.36 U	-
Endrin Ketone	µg/kg	100000[A] b	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Heptachlor	µg/kg	2100[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Heptachlor Epoxide	µg/kg	100000[A] b	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B308	LI-B309	LI-EXT-B201		LI-EXT-B203		LI-EXT-B209	LI-Y-S3		LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2		LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Date			29-Jul-13	29-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	12-Jun-13	12-Jun-13	20-Jun-13	20-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI - B308 (0.6-1.2')	LI - B309 (0.3-0.8')	LI-EXT-B201 (1-3')	LI-EXT-B201 (1-3')	LI-EXT-B203 (0-4')	LI-EXT-B203 (0-4')	LI-EXT-B209 (2-4')	LI-Y-S3 - Composite	LI-Y-S3 - Grab	LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2	LI-Y-S6c2	LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Depth			0.6 - 1.2 ft	0.3 - 0.8 ft	1 - 3 ft	1 - 3 ft	0 - 4 ft	0 - 4 ft	2 - 4 ft														
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			133107	133107	132775	132804	132775	132804	132775	132152	132152	132291	132291	132332	132332	132477	132332	132332	132332	132332	132851	132861	132851
Laboratory Sample ID			133107-05	133107-06	132775-01	132804-01	132775-02	132804-02	132775-03	132152-01	132152-02	132291-02	132291-01	132332-01	132332-02	132477-01	132332-03	132332-04	132332-05	132332-06	132851-01	132861-01	132851-03
Sample Type	Unit	NYSDEC																					
Semi-Volatile Organic Compounds																							
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17 U	-	-	-	-	3.22 U	3.36 U	-
2,4,5-TP (Silvex)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	205 U	252 U	-
Acenaphthene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Acenaphthylene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Acetophenone	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Anthracene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Atrazine	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Benzaldehyde	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Benzo(a)anthracene	µg/kg	1000$_g$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Benzo(a)pyrene	µg/kg	1000$_a$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Benzo(b)fluoranthene	µg/kg	1000$_g$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Benzo(k)fluoranthene	µg/kg	3900[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	172 J	-	-	-	-	320 U	332 U	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Butyl Benzyl Phthalate	µg/kg	[A]$_{NS}$	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Caprolactam	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Carbazole	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Chloroaniline, 4-	µg/kg	[A]$_{NS}$	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Chloronaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Chrysene	µg/kg	3900[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Cresol, m- (Methylphenol, 3-)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dibenzo(a,h)anthracene	µg/kg	330[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	***332 U***	-
Dibenzofuran	µg/kg	59000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dibutyl Phthalate (DBP)	µg/kg	[A]$_{NS}$	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Diethyl Phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dimethyl Phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dinitro-o-cresol, 4,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Di-n-Octyl phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Fluoranthene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	325	332 U	-
Fluorene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Hexachlorobenzene	µg/kg	1200[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 UJ	-
Hexachloroethane	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Isophorone	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Methylnaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Naphthalene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Nitroaniline, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Nitroaniline, 3-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Nitroaniline, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Nitrobenzene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Nitrophenol, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Nitrophenol, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
N-Nitrosodi-n-Propylamine	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B308	LI-B309	LI-EXT-B201		LI-EXT-B203		LI-EXT-B209	LI-Y-S3		LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2		LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Date			29-Jul-13	29-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	12-Jun-13	12-Jun-13	20-Jun-13	20-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI - B308 (0.6-1.2')	LI - B309 (0.3-0.8')	LI-EXT-B201 (1-3')	LI-EXT-B201 (1-3')	LI-EXT-B203 (0-4')	LI-EXT-B203 (0-4')	LI-EXT-B209 (2-4')	LI-Y-S3 - Composite	LI-Y-S3 - Grab	LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2	LI-Y-S6c2	LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Depth			0.6 - 1.2 ft	0.3 - 0.8 ft	1 - 3 ft	1 - 3 ft	0 - 4 ft	0 - 4 ft	2 - 4 ft														
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			133107	133107	132775	132804	132775	132804	132775	132152	132152	132291	132291	132332	132332	132477	132332	132332	132332	132332	132851	132861	132851
Laboratory Sample ID			133107-05	133107-06	132775-01	132804-01	132775-02	132804-02	132775-03	132152-01	132152-02	132291-02	132291-01	132332-01	132332-02	132477-01	132332-03	132332-04	132332-05	132332-06	132851-01	132861-01	132851-03
Sample Type	Unist	NYSDEC																					
n-Nitrosodiphenylamine	µg/kg	100000 [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B308	LI-B309	LI-EXT-B201		LI-EXT-B203		LI-EXT-B209	LI-Y-S3		LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2		LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Date			29-Jul-13	29-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	12-Jun-13	12-Jun-13	20-Jun-13	20-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI - B308 (0.6-1.2')	LI - B309 (0.3-0.8')	LI-EXT-B201 (1-3')	LI-EXT-B201 (1-3')	LI-EXT-B203 (0-4')	LI-EXT-B203 (0-4')	LI-EXT-B209 (2-4')	LI-Y-S3 - Composite	LI-Y-S3 - Grab	LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2	LI-Y-S6c2	LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Depth			0.6 - 1.2 ft	0.3 - 0.8 ft	1 - 3 ft	1 - 3 ft	0 - 4 ft	0 - 4 ft	2 - 4 ft														
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			133107	133107	132775	132804	132775	132804	132775	132152	132152	132291	132291	132332	132332	132477	132332	132332	132332	132332	132851	132861	132851
Laboratory Sample ID			133107-05	133107-06	132775-01	132804-01	132775-02	132804-02	132775-03	132152-01	132152-02	132291-02	132291-01	132332-01	132332-02	132477-01	132332-03	132332-04	132332-05	132332-06	132851-01	132861-01	132851-03
Sample Type	Unit	NYSDEC																					
Semi-Volatile Organic Compounds (cont'd)																							
Pentachlorophenol	µg/kg	6700[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Phenanthrene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Phenol	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Pyrene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Trichlorophenol, 2,4,5-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	639 U	-	-	-	-	640 U	663 U	-
Trichlorophenol, 2,4,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	320 U	-	-	-	-	320 U	332 U	-
Volatile Organic Compounds																							
Acetone	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	14.3 J B	-	21.9 U	-	-	-	21.9 U	111	84.7	36.9	-	-	153 U
Benzene	µg/kg	4800[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Bromodichloromethane	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Bromoform (Tribromomethane)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Bromomethane (Methyl bromide)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Butylbenzene, n-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5 U
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5 U
Butylbenzene, tert-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5 U
Carbon Disulfide	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Chlorobenzene (Monochlorobenzene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Chlorobromomethane	µg/kg	n/v	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Chloroethane (Ethyl Chloride)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Chloroform (Trichloromethane)	µg/kg	49000[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Chloromethane	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Cyclohexane	µg/kg	n/v	-	-	-	-	-	-	-	-	21.2 U	-	21.9 U	-	-	-	21.9 U	22.6 U	22.9 U	21.6 U	-	-	153 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	-	-	-	-	-	-	-	-	21.2 U	-	21.9 U	-	-	-	21.9 U	22.6 U	22.9 U	21.6 U	-	-	153 U
Dibromochloromethane	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichlorobenzene, 1,3-	µg/kg	49000[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichlorobenzene, 1,4-	µg/kg	13000[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloroethane, 1,1-	µg/kg	26000[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloroethane, 1,2-	µg/kg	3100[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloroethene, 1,1-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloroethene, cis-1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloroethene, trans-1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloropropane, 1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloropropene, cis-1,3-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dichloropropene, trans-1,3-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Dioxane, 1,4-	µg/kg	13000[A]	-	-	-	-	-	-	-	-	42.4 U	-	43.7 U	-	-	-	43.9 U	45.2 U	45.9 U	43.2 U	-	-	305 U
Ethylbenzene	µg/kg	41000[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Isopropylbenzene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Isopropyltoluene, p- (Cymene)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5 U
Methyl Acetate	µg/kg	n/v	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Methyl Ethyl Ketone (MEK)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	21.2 U	-	21.9 U	-	-	-	21.9 U	12.4 J	22.9 U	21.6 U	-	-	153 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Methyl tert-butyl ether (MTBE)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Methylcyclohexane	µg/kg	n/v	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Methylene Chloride (Dichloromethane)	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Naphthalene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76.3 U
Propylbenzene, n-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5 U
Styrene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Tetrachloroethane, 1,1,2,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Tetrachloroethene (PCE)	µg/kg	19000[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	1930
Toluene	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.06 J	-	3.92 J	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Trichlorobenzene, 1,2,3-	µg/kg	n/v	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	10.6 U	-	10.9 U	-	-	-	11.0 U	11.3 U	11.5 U	10.8 U	-	-	76.3 U
Trichloroethane, 1,1,1-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Trichloroethane, 1,1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Trichloroethene (TCE)	µg/kg	21000[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-B308	LI-B309	LI-EXT-B201		LI-EXT-B203		LI-EXT-B209	LI-Y-S3		LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2		LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Date			29-Jul-13	29-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	12-Jun-13	12-Jun-13	20-Jun-13	20-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	25-Jun-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI - B308 (0.6-1.2')	LI - B309 (0.3-0.8')	LI-EXT-B201 (1-3')	LI-EXT-B201 (1-3')	LI-EXT-B203 (0-4')	LI-EXT-B203 (0-4')	LI-EXT-B209 (2-4')	LI-Y-S3 - Composite	LI-Y-S3 - Grab	LI-Y-S4c	LI-Y-S4g	LI-Y-S6c1	LI-Y-S6c2	LI-Y-S6c2	LI-Y-S6g1	LI-Y-S6g2	LI-Y-S6g3	LI-Y-S6g4	LI-Y-S7C1	LI-Y-S7C2	LI-Y-S7G1
Sample Depth			0.6 - 1.2 ft	0.3 - 0.8 ft	1 - 3 ft	1 - 3 ft	0 - 4 ft	0 - 4 ft	2 - 4 ft														
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			133107	133107	132775	132804	132775	132804	132775	132152	132152	132291	132291	132332	132332	132477	132332	132332	132332	132332	132851	132861	132851
Laboratory Sample ID			133107-05	133107-06	132775-01	132804-01	132775-02	132804-02	132775-03	132152-01	132152-02	132291-02	132291-01	132332-01	132332-02	132477-01	132332-03	132332-04	132332-05	132332-06	132851-01	132861-01	132851-03
Sample Type	Unit	NYSDEC																					
Volatile Organic Compounds (cont'd)																							
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000$_{b}$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Trimethylbenzene, 1,2,4-	µg/kg	52000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5 U
Trimethylbenzene, 1,3,5-	µg/kg	52000[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5 U
Vinyl chloride	µg/kg	900[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Xylene, m & p-	µg/kg	100000$_{b,p}$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Xylene, o-	µg/kg	100000$_{b,p}$[A]	-	-	-	-	-	-	-	-	4.24 U	-	4.37 U	-	-	-	4.39 U	4.52 U	4.59 U	4.32 U	-	-	30.5 U
Volatile Organic Compounds, TCLP																							
Benzene	µg/L	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	µg/L	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Depth																			
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132851	132851	132861	132861	132861	132851	132861	132851	132851	132851	132861	132861	132861	132861	132861	132861	132861
Laboratory Sample ID			132851-04	132851-05	132861-04	132861-05	132861-06	132851-02	132861-02	132851-06	132851-07	132851-08	132861-07	132861-08	132861-09	132861-03	132861-10	132861-11	132861-12
Sample Type	Unit	NYSDEC																	
General Chemistry																			
Cyanide	mg/kg	27[A]	-	-	-	-	-	1.40	0.59 U	-	-	-	-	-	-	0.59 U	-	-	-
Metals																			
Aluminum	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	16$_g$[A]	-	-	-	-	-	11.9	2.93	-	-	-	-	-	-	2.91	-	-	-
Barium	mg/kg	400[A]	-	-	-	-	-	83.2	35.1	-	-	-	-	-	-	44.1	-	-	-
Beryllium	mg/kg	72[A]	-	-	-	-	-	0.578 U	0.637 U	-	-	-	-	-	-	0.353 J	-	-	-
Cadmium	mg/kg	4.3[A]	-	-	-	-	-	2.17	0.430 J	-	-	-	-	-	-	0.472 J	-	-	-
Calcium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	mg/kg	110[A]	-	-	-	-	-	0.5 U	0.5 U	-	-	-	-	-	-	0.5 U	-	-	-
Chromium (Total)	mg/kg	NS$_d$[A]	-	-	-	-	-	11.7	9.45	-	-	-	-	-	-	12.0	-	-	-
Cobalt	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	270[A]	-	-	-	-	-	**957[A]**	24.8	-	-	-	-	-	-	13.4	-	-	-
Iron	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	400[A]	-	-	-	-	-	**1680[A]**	21.1	-	-	-	-	-	-	10.7	-	-	-
Magnesium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	2000$_g$[A]	-	-	-	-	-	328	402	-	-	-	-	-	-	367	-	-	-
Mercury	mg/kg	0.81$_k$[A]	-	-	-	-	-	0.630	0.0257	-	-	-	-	-	-	0.0404	-	-	-
Nickel	mg/kg	310[A]	-	-	-	-	-	18.0	8.13	-	-	-	-	-	-	10.4	-	-	-
Potassium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/kg	180[A]	-	-	-	-	-	1.90	1.27 U	-	-	-	-	-	-	1.21 U	-	-	-
Silver	mg/kg	180[A]	-	-	-	-	-	14.8	1.40	-	-	-	-	-	-	1.46	-	-	-
Sodium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg	NS[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	10000$_e$[A]	-	-	-	-	-	377	37.1	-	-	-	-	-	-	31.8	-	-	-
Metals, TCLP																			
Lead	mg/L	0.015[B]	-	-	-	-	-	**28.8[B]**	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.002[B]	-	-	-	-	-	0.00200 U	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																			
Aroclor 1016	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1221	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1232	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1242	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1248	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1254	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1260	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1262	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Aroclor 1268	mg/kg	1$_o$[A]	-	-	-	-	-	0.0341 U	0.0332 U	-	-	-	-	-	-	0.0327 U	-	-	-
Pesticides																			
Aldrin	µg/kg	97[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
BHC, alpha-	µg/kg	480[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
BHC, beta-	µg/kg	360[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
BHC, delta-	µg/kg	100000$_b$[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Camphechlor (Toxaphene)	µg/kg	100000$_b$[A]	-	-	-	-	-	34.1 U	33.2 U	-	-	-	-	-	-	32.7 U	-	-	-
Chlordane, alpha-	µg/kg	4200[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Chlordane, trans-	µg/kg	n/v	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
DDD (p,p'-DDD)	µg/kg	13000[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
DDE (p,p'-DDE)	µg/kg	8900[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
DDT (p,p'-DDT)	µg/kg	7900[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Dieldrin	µg/kg	200[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Endosulfan I	µg/kg	24000[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Endosulfan II	µg/kg	24000[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Endosulfan Sulfate	µg/kg	24000[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Endrin	µg/kg	11000[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Endrin Aldehyde	µg/kg	100000$_b$[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Endrin Ketone	µg/kg	100000$_b$[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Heptachlor	µg/kg	2100[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Heptachlor Epoxide	µg/kg	100000$_b$[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Depth																			
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132851	132851	132861	132861	132861	132851	132861	132851	132851	132851	132861	132861	132861	132861	132861	132861	132861
Laboratory Sample ID			132851-04	132851-05	132861-04	132861-05	132861-06	132851-02	132861-02	132851-06	132851-07	132851-08	132861-07	132861-08	132861-09	132861-03	132861-10	132861-11	132861-12
Sample Type	Unit	NYSDEC																	
Semi-Volatile Organic Compounds																			
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	1300[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/kg	100000$_b$[A]	-	-	-	-	-	3.41 U	3.32 U	-	-	-	-	-	-	3.27 U	-	-	-
2,4,5-TP (Silvex)	µg/kg	100000$_b$[A]	-	-	-	-	-	238 U	237 U	-	-	-	-	-	-	235 U	-	-	-
Acenaphthene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Acenaphthylene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Acetophenone	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Anthracene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Atrazine	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Benzaldehyde	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Benzo(a)anthracene	µg/kg	1000$_g$[A]	-	-	-	-	-	373	332 U	-	-	-	-	-	-	333 U	-	-	-
Benzo(a)pyrene	µg/kg	1000$_g$[A]	-	-	-	-	-	348	332 U	-	-	-	-	-	-	333 U	-	-	-
Benzo(b)fluoranthene	µg/kg	1000$_g$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Benzo(g,h,i)perylene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Benzo(k)fluoranthene	µg/kg	3900[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Bis(2-Chloroethoxy)methane	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Bis(2-Chloroethyl)ether	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Bis(2-Chloroisopropyl)ether	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100000$_b$[A]	-	-	-	-	-	355	332 U	-	-	-	-	-	-	333 U	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Butyl Benzyl Phthalate	µg/kg	[A]$_{NS}$	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Caprolactam	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Carbazole	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Chloro-3-methyl phenol, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Chloroaniline, 4-	µg/kg	[A]$_{NS}$	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Chloronaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Chrysene	µg/kg	3900[A]	-	-	-	-	-	374	332 U	-	-	-	-	-	-	333 U	-	-	-
Cresol, m- (Methylphenol, 3-)	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dibenzo(a,h)anthracene	µg/kg	330$_t$[A]	-	-	-	-	-	***339 U***	***332 U***	-	-	-	-	-	-	***333 U***	-	-	-
Dibenzofuran	µg/kg	59000[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dibutyl Phthalate (DBP)	µg/kg	[A]$_{NS}$	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dichlorobenzene, 1,3-	µg/kg	49000[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dichlorobenzene, 1,4-	µg/kg	13000[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dichlorobenzidine, 3,3'-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dichlorophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Diethyl Phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dimethyl Phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Dimethylphenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dinitro-o-cresol, 4,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Dinitrophenol, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Dinitrotoluene, 2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Dinitrotoluene, 2,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Di-n-Octyl phthalate	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Fluoranthene	µg/kg	100000$_b$[A]	-	-	-	-	-	741	332 U	-	-	-	-	-	-	333 U	-	-	-
Fluorene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Hexachlorobenzene	µg/kg	1200[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Hexachlorocyclopentadiene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 UJ	-	-	-	-	-	-	333 UJ	-	-	-
Hexachloroethane	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Isophorone	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Methylnaphthalene, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Naphthalene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Nitroaniline, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Nitroaniline, 3-	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Nitroaniline, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Nitrobenzene	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Nitrophenol, 2-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Nitrophenol, 4-	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
N-Nitrosodi-n-Propylamine	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Depth																			
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132851	132851	132861	132861	132861	132851	132861	132851	132851	132851	132861	132861	132861	132861	132861	132861	132861
Laboratory Sample ID			132851-04	132851-05	132861-04	132861-05	132861-06	132851-02	132861-02	132851-06	132851-07	132851-08	132861-07	132861-08	132861-09	132861-03	132861-10	132861-11	132861-12
Sample Type	Unist	NYSDEC																	
n-Nitrosodiphenylamine	µg/kg	100000 [A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Depth																			
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132851	132851	132861	132861	132861	132851	132861	132851	132851	132851	132861	132861	132861	132861	132861	132861	132861
Laboratory Sample ID			132851-04	132851-05	132861-04	132861-05	132861-06	132851-02	132861-02	132851-06	132851-07	132851-08	132861-07	132861-08	132861-09	132861-03	132861-10	132861-11	132861-12
Sample Type	Unit	NYSDEC																	
Semi-Volatile Organic Compounds (cont'd)																			
Pentachlorophenol	µg/kg	6700[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Phenanthrene	µg/kg	100000$_b$[A]	-	-	-	-	-	464	332 U	-	-	-	-	-	-	333 U	-	-	-
Phenol	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Pyrene	µg/kg	100000$_b$[A]	-	-	-	-	-	638	332 U	-	-	-	-	-	-	333 U	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/kg	n/v	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Trichlorophenol, 2,4,5-	µg/kg	100000$_b$[A]	-	-	-	-	-	678 U	664 U	-	-	-	-	-	-	665 U	-	-	-
Trichlorophenol, 2,4,6-	µg/kg	100000$_b$[A]	-	-	-	-	-	339 U	332 U	-	-	-	-	-	-	333 U	-	-	-
Volatile Organic Compounds																			
Acetone	µg/kg	100000$_b$[A]	38.7 U	32.0 U	23.6 UJ	22.3 UJ	19.2 UJ	-	-	46.3 U	41.0 U	44.3 U	22.7 U	21.3 UJ	23.4 U	-	20.9 UJ	19.2 UJ	23.0 U
Benzene	µg/kg	4800[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Bromodichloromethane	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Bromoform (Tribromomethane)	µg/kg	100000$_b$[A]	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Bromomethane (Methyl bromide)	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 UJ	4.25 UJ	4.69 UJ	-	4.19 UJ	3.84 UJ	4.60 UJ
Butylbenzene, n-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Butylbenzene, tert-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Carbon Disulfide	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2400[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Chlorobenzene (Monochlorobenzene)	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Chlorobromomethane	µg/kg	n/v	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Chloroethane (Ethyl Chloride)	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Chloroform (Trichloromethane)	µg/kg	49000[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Chloromethane	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Cyclohexane	µg/kg	n/v	38.7 U	32.0 U	23.6 UJ	22.3 UJ	19.2 UJ	-	-	46.3 U	41.0 U	44.3 U	22.7 U	21.3 UJ	23.4 U	-	20.9 UJ	19.2 UJ	23.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	n/v	38.7 U	32.0 U	23.6 UJ	22.3 UJ	19.2 UJ	-	-	46.3 U	41.0 U	44.3 U	22.7 U	21.3 UJ	23.4 U	-	20.9 UJ	19.2 UJ	23.0 U
Dibromochloromethane	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichlorobenzene, 1,2-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichlorobenzene, 1,3-	µg/kg	49000[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichlorobenzene, 1,4-	µg/kg	13000[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichlorodifluoromethane (Freon 12)	µg/kg	n/v	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloroethane, 1,1-	µg/kg	26000[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloroethane, 1,2-	µg/kg	3100[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloroethene, 1,1-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloroethene, cis-1,2-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloroethene, trans-1,2-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloropropane, 1,2-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloropropene, cis-1,3-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dichloropropene, trans-1,3-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Dioxane, 1,4-	µg/kg	13000[A]	77.3 U	63.9 U	R	R	R	-	-	92.6 U	82.0 U	88.7 U	R	R	R	-	R	R	R
Ethylbenzene	µg/kg	41000[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100000$_b$[A]	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Isopropylbenzene	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Isopropyltoluene, p- (Cymene)	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Methyl Acetate	µg/kg	n/v	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Methyl Ethyl Ketone (MEK)	µg/kg	100000$_b$[A]	38.7 U	32.0 U	23.6 UJ	22.3 UJ	19.2 UJ	-	-	46.3 U	41.0 U	44.3 U	22.7 UJ	21.3 UJ	23.4 UJ	-	20.9 UJ	19.2 UJ	23.0 UJ
Methyl Isobutyl Ketone (MIBK)	µg/kg	100000$_b$[A]	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Methyl tert-butyl ether (MTBE)	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Methylcyclohexane	µg/kg	n/v	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Methylene Chloride (Dichloromethane)	µg/kg	100000$_b$[A]	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Naphthalene	µg/kg	100000$_b$[A]	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Propylbenzene, n-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Styrene	µg/kg	100000$_b$[A]	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Tetrachloroethane, 1,1,2,2-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Tetrachloroethene (PCE)	µg/kg	19000[A]	7.73 U	6.39 U	69.0 J	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Toluene	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Trichlorobenzene, 1,2,3-	µg/kg	n/v	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Trichlorobenzene, 1,2,4-	µg/kg	100000$_b$[A]	19.3 U	16.0 U	11.8 UJ	11.2 UJ	9.61 UJ	-	-	23.2 U	20.5 U	22.2 U	11.3 U	10.6 UJ	11.7 U	-	10.5 UJ	9.61 UJ	11.5 U
Trichloroethane, 1,1,1-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Trichloroethane, 1,1,2-	µg/kg	100000$_b$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Trichloroethene (TCE)	µg/kg	21000[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U

See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Sample Location			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Sample ID			LI-Y-S7G2	LI-Y-S7G3	LI-Y-S7G4	LI-Y-S7G5	LI-Y-S7G6	LI-Y-S8C1	LI-Y-S8C2	LI-Y-S8G1	LI-Y-S8G2	LI-Y-S8G3	LI-Y-S8G4	LI-Y-S8G5	LI-Y-S8G6	LI-Y-S9C2	LI-Y-S9G1	LI-Y-S9G2	LI-Y-S9G3
Sample Depth																			
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			132851	132851	132861	132861	132861	132851	132861	132851	132851	132851	132861	132861	132861	132861	132861	132861	132861
Laboratory Sample ID			132851-04	132851-05	132861-04	132861-05	132861-06	132851-02	132861-02	132851-06	132851-07	132851-08	132861-07	132861-08	132861-09	132861-03	132861-10	132861-11	132861-12
Sample Type	Unit	NYSDEC																	
Volatile Organic Compounds (cont'd)																			
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	100000$_{g}$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Trimethylbenzene, 1,2,4-	µg/kg	52000[A]	7.73 U	6.39 U	2.82 J	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Trimethylbenzene, 1,3,5-	µg/kg	52000[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Vinyl chloride	µg/kg	900[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Xylene, m & p-	µg/kg	100000$_{b,p}$[A]	7.73 U	6.39 U	5.71 J	4.47 UJ	2.02 J	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Xylene, o-	µg/kg	100000$_{b,p}$[A]	7.73 U	6.39 U	4.72 UJ	4.47 UJ	3.84 UJ	-	-	9.26 U	8.20 U	8.87 U	4.53 U	4.25 UJ	4.69 U	-	4.19 UJ	3.84 UJ	4.60 U
Volatile Organic Compounds, TCLP																			
Benzene	µg/L	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	µg/L	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

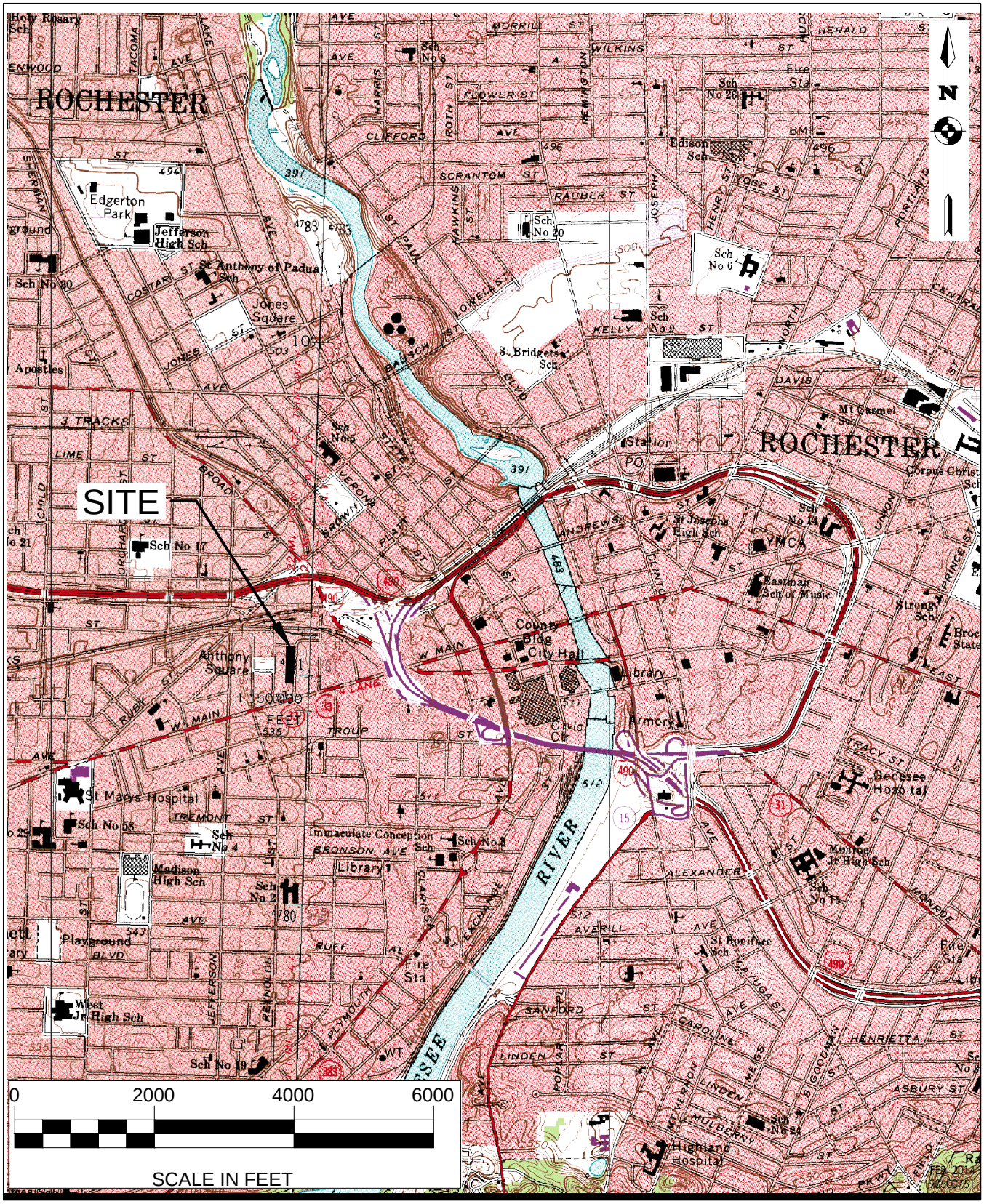
See last page for notes.

Table 5
Summary of Analytical Results in Soil
IRM - Test Boring Samples
Brownfield Cleanup Program Site #C828184
33 Litchfield Street, Rochester, New York

Notes:

NYSDEC	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
B	NYDEC - Contained-in Action Levels (For Leachate)
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory reportable detection limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory reportable detection limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS	No SCO has been established for this compound.
NS,q	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
e	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
i	The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.
j	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
k	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
o	The criterion is applicable to total PCBs, and the individual Aroclors should be added for comparison.
B	Indicates analyte was found in associated blank, as well as in the sample.
C	Analyte quantified by quadratic equation type calibration.
D	Indicates reanalysis of sample with additional dilution to address exceedance of instrument calibration range.
J	The reported result is an estimated value.
P*	Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference (RPD) limit
UJ	Indicates estimated non-detect.

FIGURES



ORIGINAL SHEET - ANSI A
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CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.

BROWNFIELD CLEANUP PROGRAM

33 LITCHFIELD STREET, ROCHESTER , NY 14608

Figure No.

1

Title

SITE LOCATION MAP

ORIGINAL SHEET - ANSI A
U:\19050751\drawing\CAD\SMP Figures\Figure 2 - Site and Surrounding Parcels.dwg

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BROWNFIELD CLEANUP PROGRAM

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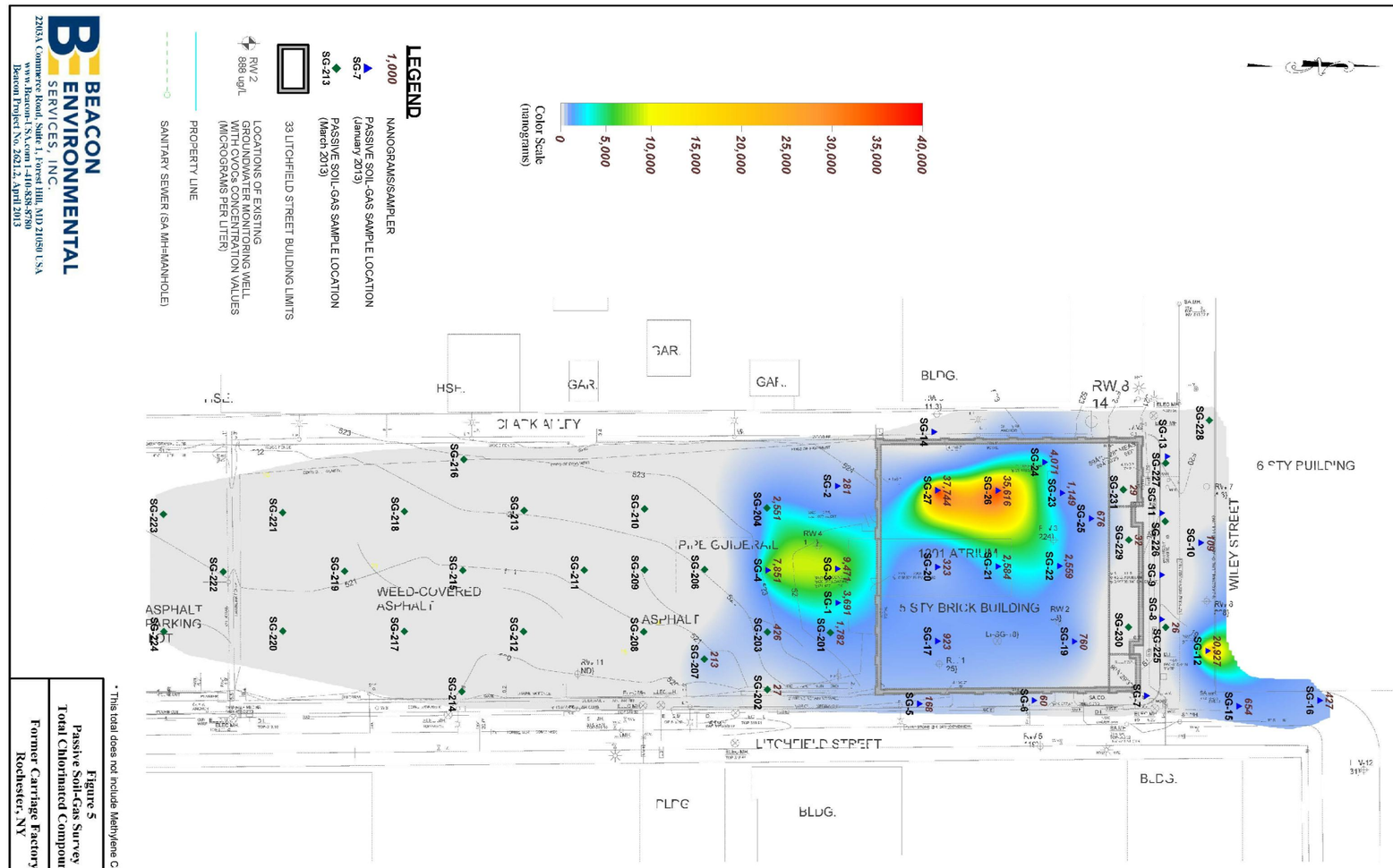
Figure No.

2

Title

SITE AND SURROUNDING PARCELS



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Beacon Project No. 2621.2, April 2013

Figure 5
Passive Soil-Gas Survey
Total Chlorinated Compounds
Former Carriage Factory
Rochester, NY

* This total does not include Methylene Chloride

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Legend

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.

2. GROUND SURFACE ELEVATION CONTOURS OBTAINED FROM DRAWING ENTITLED "BORING LOCATION PLAN" BY FOUNDATION DESIGN, P.C., DATED JANUARY 26, 2011.

3. PASSIVE SOIL GAS INFORMATION OBTAIN FROM A REPORT ENTITLED "PASSIVE SOIL-GAS SURVEY" FORMER CARRIAGE FACTORY PREPARED BY BEACON ENVIRONMENTAL SERVICES INC. JANUARY 2013

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title
PASSIVE SOIL GAS SURVEY -
TOTAL CHLORINATED COMPOUNDS

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 3A	of	0

I:\1905\07\5\190500751\Drawing\Figures\Figure 3A Passive Soil Gas Survey - Total Chlorinated Compounds.dwg
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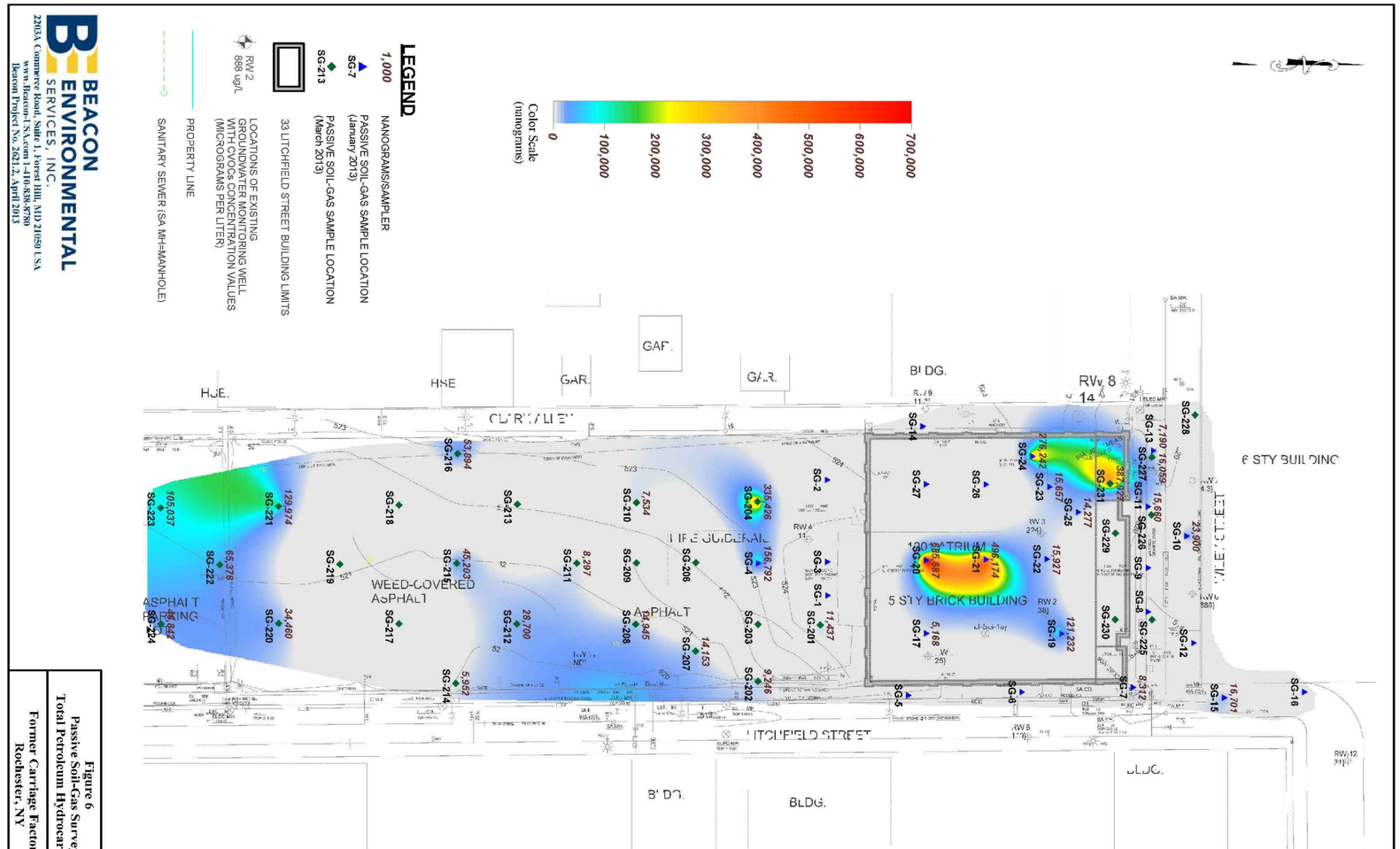

Figure 6
Passive Soil-Gas Survey
Total Petroleum Hydrocarbons
Former Carriage Factory
Rochester, NY

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Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.

2. GROUND SURFACE ELEVATION CONTOURS OBTAINED FROM DRAWING ENTITLED "BORING LOCATION PLAN" BY FOUNDATION DESIGN, P.C., DATED JANUARY 26, 2011.

3. PASSIVE SOIL GAS INFORMATION OBTAIN FROM A REPORT ENTITLED "PASSIVE SOIL-GAS SURVEY" FORMER CARRIAGE FACTORY PREPARED BY BEACON ENVIRONMENTAL SERVICES INC. JANUARY 2013

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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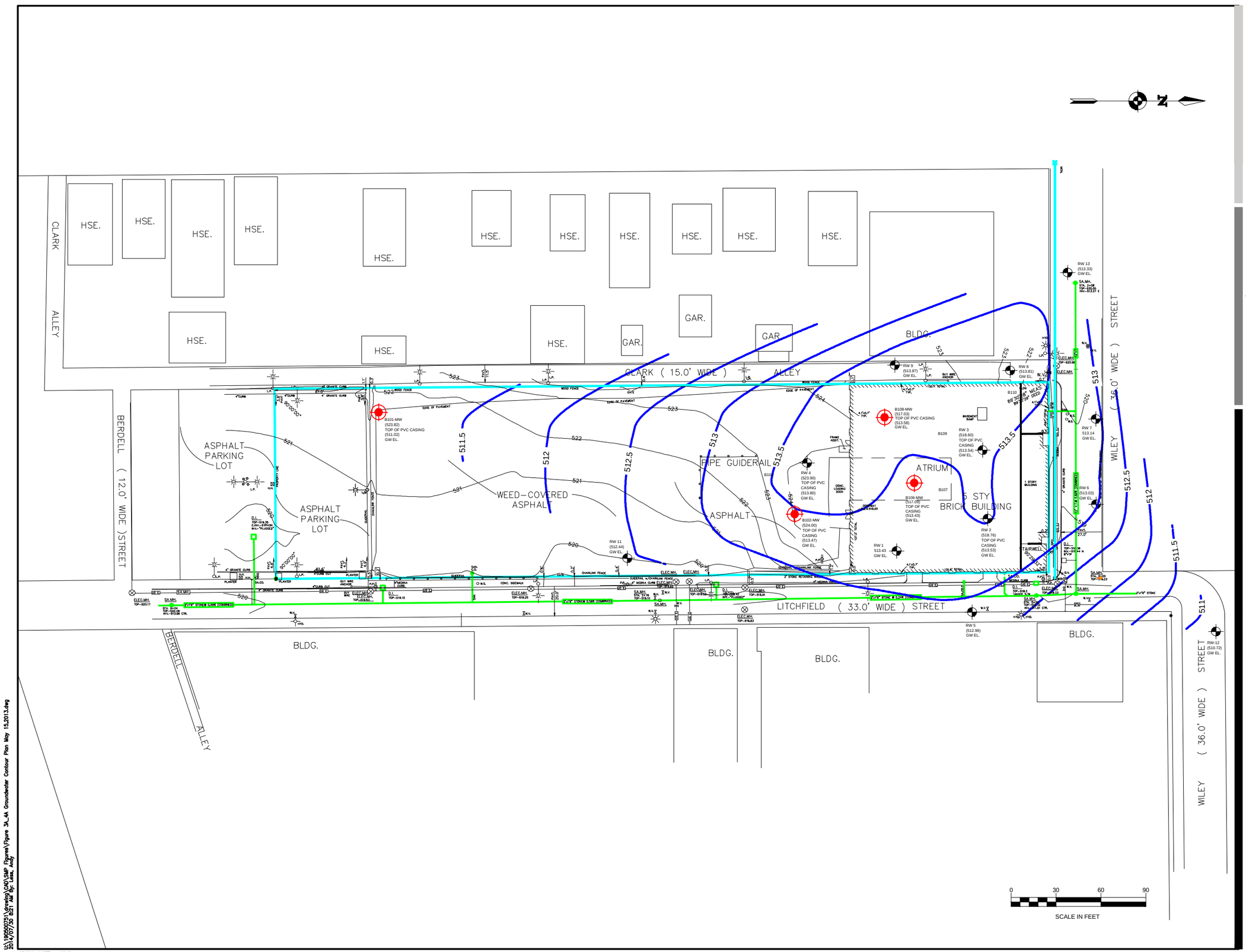
Client/Project
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title
PASSIVE SOIL GAS SURVEY -
TOTAL PETROLEUM HYDROCARBONS

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 3B	of	0

ORIGINAL SHEET – ANSI D



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Consultants

Legend

- 33 LITCHFIELD STREET BUILDING LIMITS
- RW 2 — LOCATIONS OF PHASE II ESA GROUNDWATER MONITORING WELLS
- B101-MW — RI MONITORING WELL LOCATION
- PROPERTY LINE
- SANITARY SEWER (SA MH=MANHOLE)
- GROUNDWATER CONTOURS 5-15-2013
- (511.12) GW EL. — GROUNDWATER WELL ELEVATIONS 5-15-2013

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.
2. GROUND SURFACE ELEVATION CONTOURS OBTAINED FROM DRAWING ENTITLED "BORING LOCATION PLAN" BY FOUNDATION DESIGN, P.C., DATED JANUARY 26, 2011.

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Client/Project

CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN

BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

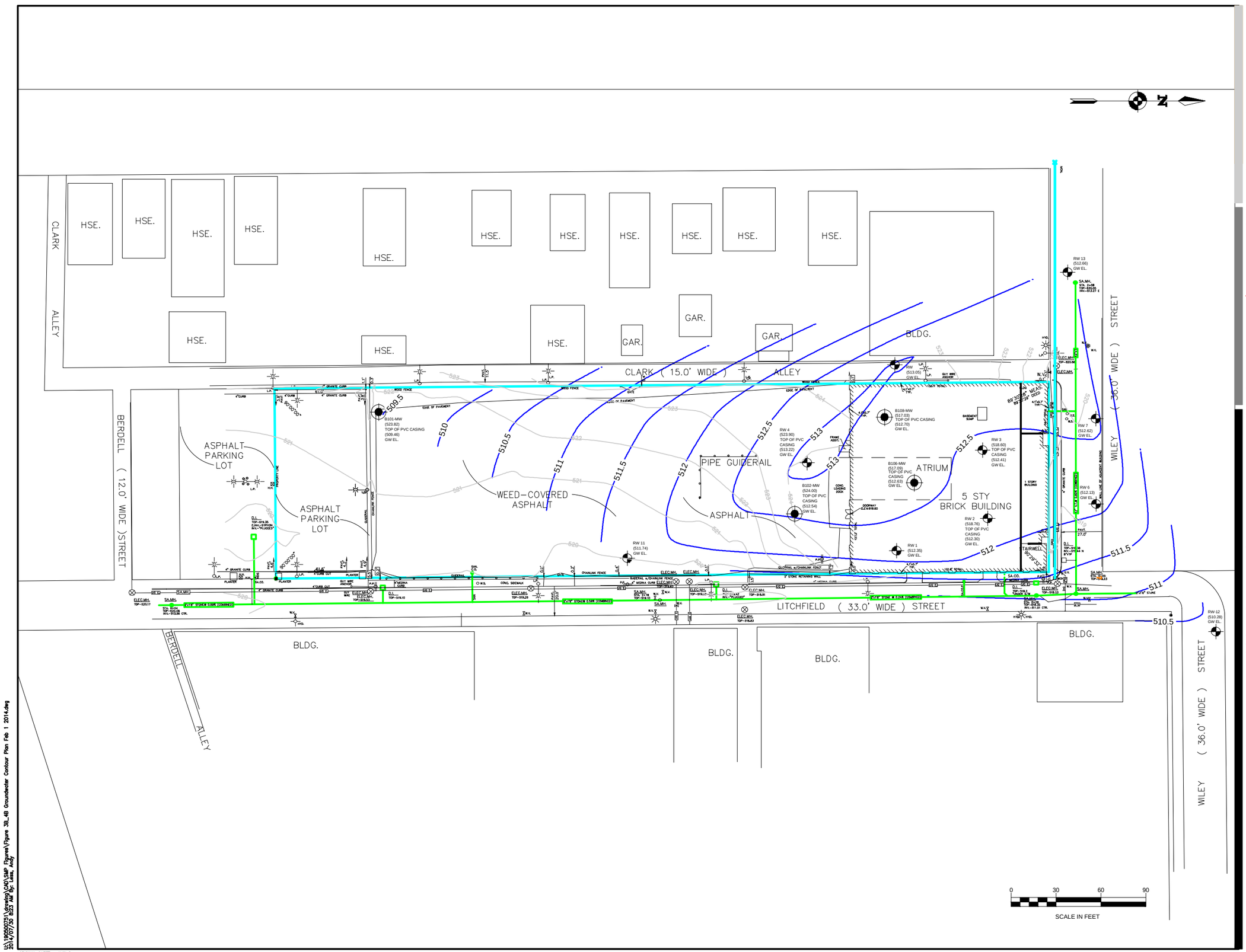
Title

WELL NETWORK AND GROUNDWATER CONTOUR PLAN MAY 15, 2013

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 4A	of	0

U:\190500751\drawings\CAD\SMP Figures\Figure 3A_4A Groundwater Contour Plan May 15,2013.dwg
2014/07/30 8:21 AM By: Lewis, Andy

ORIGINAL SHEET – ANSI D



U:\190500751\dromlin\C4D\SMP Figures\Figure 3B_4B Groundwater Contour Plan Feb 1 2014.dwg
2014/02/20 8:23 AM By: Lamy, Andy

ORIGINAL SHEET – ANSI D

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Consultants

Legend

- 33 LITCHFIELD STREET BUILDING LIMITS
- RW 2 — LOCATIONS OF PHASE II ESA GROUNDWATER MONITORING WELLS
- B101-MW — RI MONITORING WELL LOCATION
- PROPERTY LINE
- SANITARY SEWER (SA MH=MANHOLE)
- GROUNDWATER CONTOURS 02-01-2014
- (512.70) GW EL. — GROUNDWATER WELL ELEVATIONS 02-01-2014

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.

2. GROUND SURFACE ELEVATION CONTOURS OBTAINED FROM DRAWING ENTITLED "BORING LOCATION PLAN" BY FOUNDATION DESIGN, P.C., DATED JANUARY 26, 2011.

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Client/Project

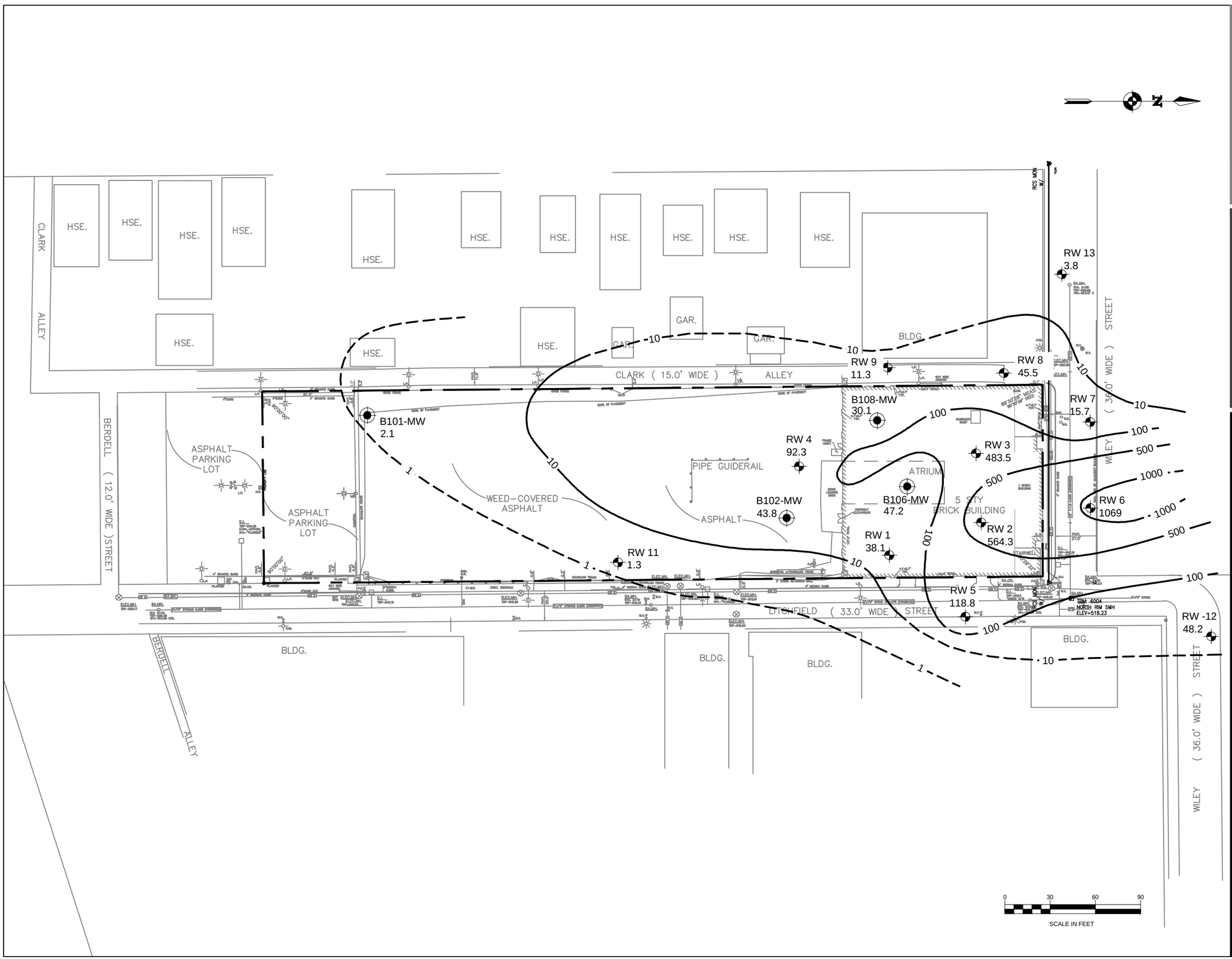
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN

BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title

WELL NETWORK AND GROUNDWATER CONTOUR PLAN
FEBRUARY 1, 2014

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 4B	of	0



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Consultants

Legend

- 33 LITCHFIELD STREET BUILDING LIMITS
- RW 2 888 ug/L — LOCATIONS OF PHASE II ESA GROUNDWATER MONITORING WELLS
- B101-MW — RI MONITORING WELL LOCATION
- PROPERTY LINE
- SANITARY SEWER (SA MH=MANHOLE)
- 100 — CONCENTRATION CONTOURS (DASHED WHERE INFERED) (ug/L)

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.

Revision	By	Appd.	YY.MM.DD
CID WORK PLAN	RJM	MPS	13.05.24
FINAL RIWP	RJM	MPS	13.04.25

Issued

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Client/Project

CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
REMEDIAL INVESTIGATION REPORT

BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

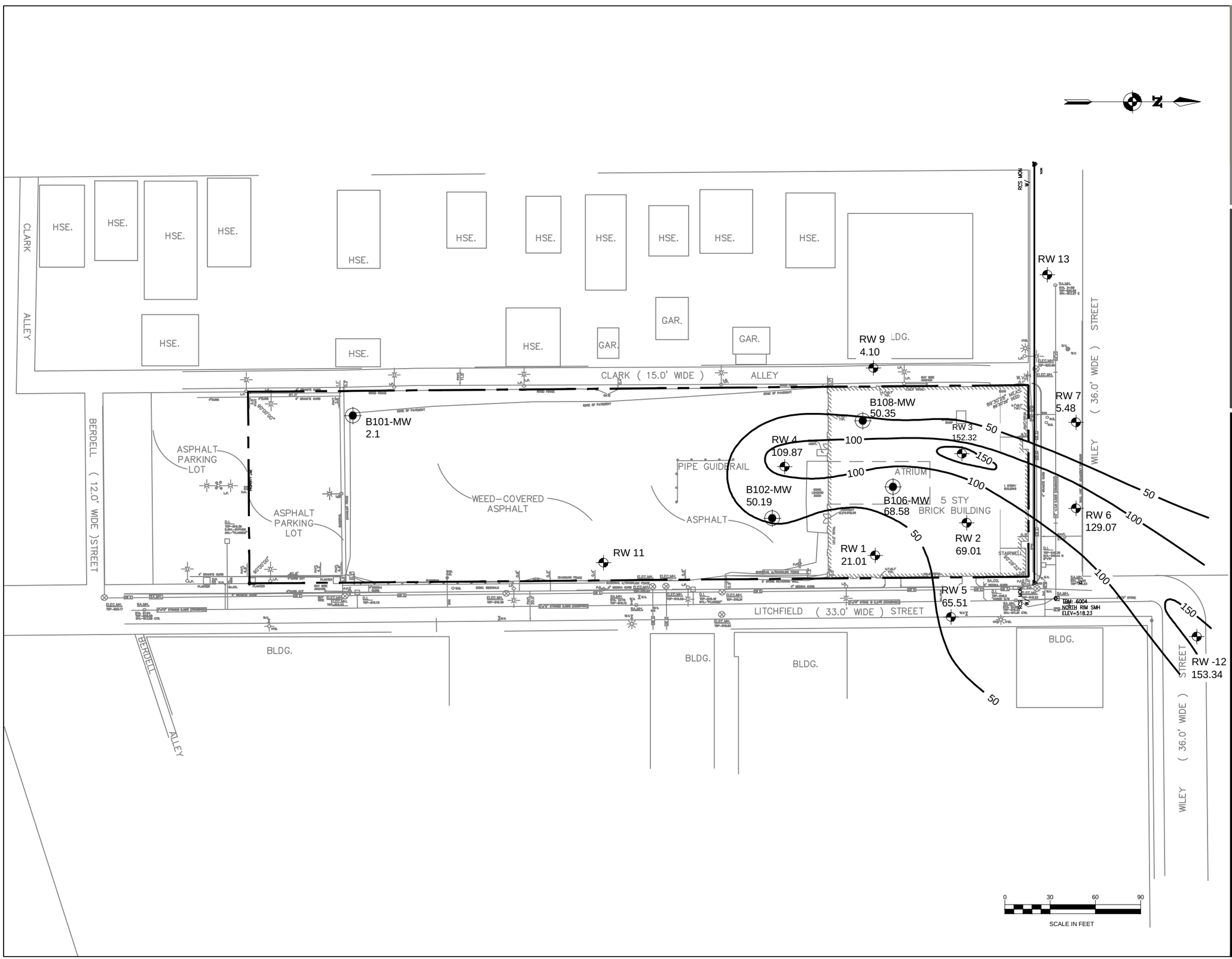
Title

CHLORINATED VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER (MAY, 2013)

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 5A	of	0

I:\190500751\Drawing\CAD\SMP Figures\Figure 5A Chlorinated Volatile Organic Compound Concentrations in Groundwater (May, 2013).dwg
2014/07/28 1:38 PM By: Lees, Andy

ORIGINAL SHEET – ANSI D



U:\190500751\drawing\C4D\SMP Figures\Figure 5B Chlorinated Volatile Organic Compound Concentrations In Groundwater (July, 2014).dwg
2014/07/29 3:23 PM By: Lass, Andy

ORIGINAL SHEET – ANSI D

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Legend

- 33 LITCHFIELD STREET BUILDING LIMITS
- RW 2 69.01 (ug/L) — LOCATIONS OF PHASE II ESA GROUNDWATER MONITORING WELLS
- B101-MW — RI MONITORING WELL LOCATION
- PROPERTY LINE
- SANITARY SEWER (SA MH=MANHOLE)
- 100 — CVOC CONCENTRATION CONTOURS (DASHED WHERE INFERRED) (ug/L)

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.

Revision	By	Appd.	YY.MM.DD
CID WORK PLAN	RJM	MPS	13.05.24
FINAL RIWP	RJM	MPS	13.04.25

Issued

	By	Appd.	YY.MM.DD

File Name:

Dwn.	Chkd.	Dsgn.	YY.MM.DD

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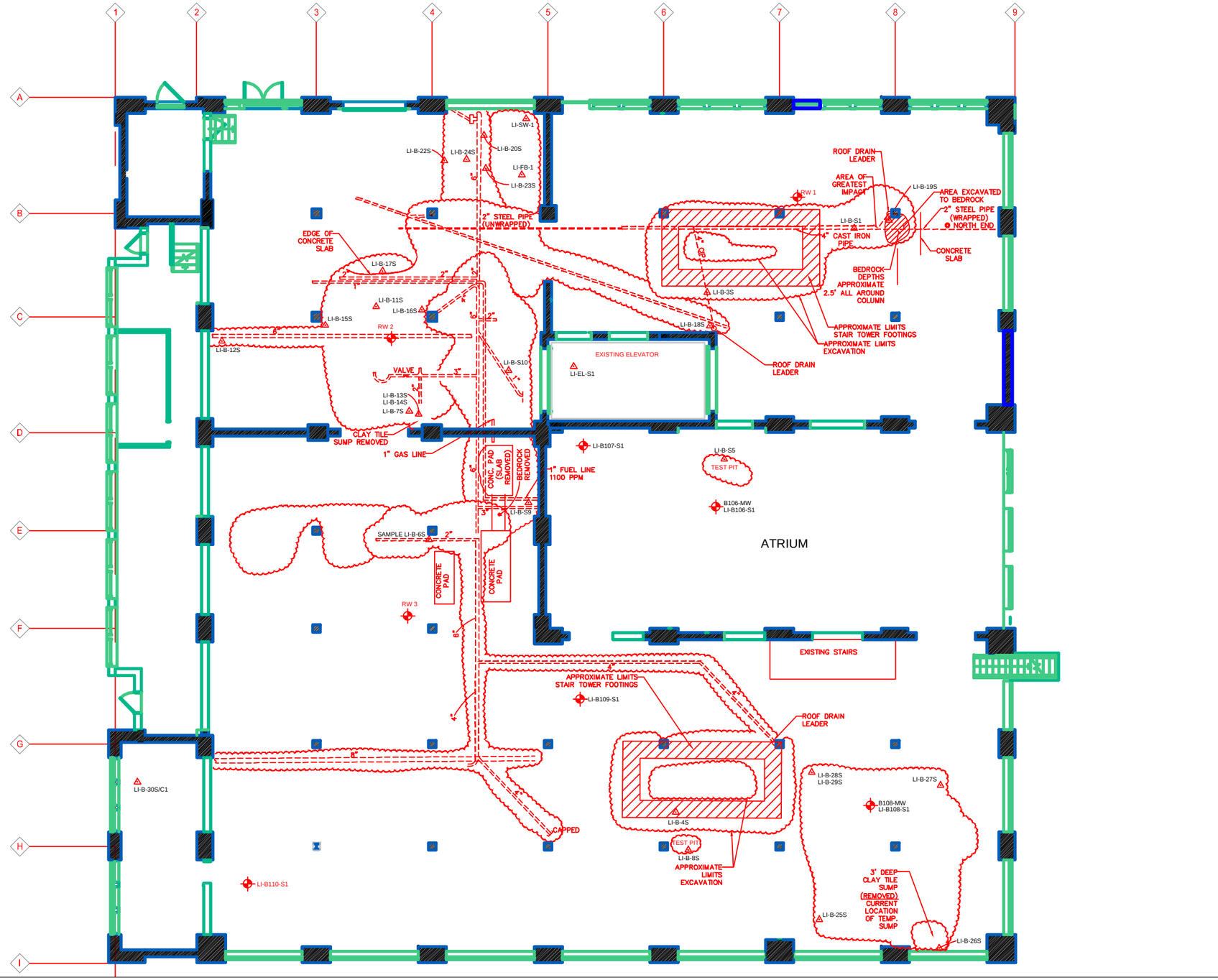
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MAGAGEMENT PLAN

BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title

CHLORINATED VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER (JULY, 2014)

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 5B	of	0



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Legend

- LI-B-11S — SOIL SAMPLE LOCATION
- LI-B107-S1 — TEST BORINGS AND/OR MONITORING WELLS
- FIELD LOCATED UNDERGROUND PIPE LOCATION
- FIELD LOCATED AREA OF EXCAVATION

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.
2. GROUND SURFACE ELEVATION CONTOURS OBTAINED FROM DRAWING ENTITLED "BORING LOCATION PLAN" BY FOUNDATION DESIGN, P.C., DATED JANUARY 26, 2011

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN

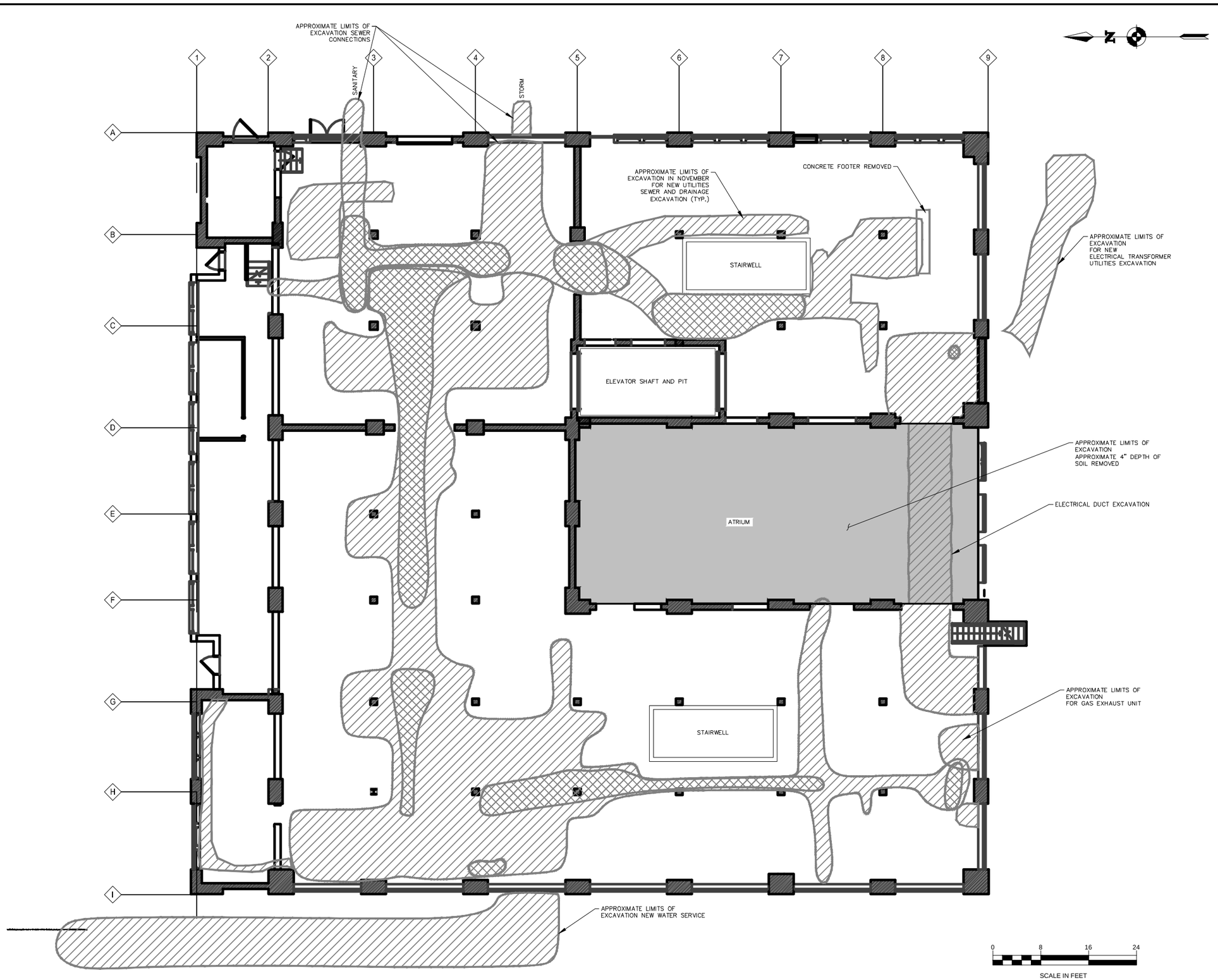
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title

BASEMENT EXCAVATION PLAN - DEMOLITION AND REMEDIATION

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 6A	of	0

I:\190500751\drawing\CAD\SMP Figures\Figure 6A - Basement Excavation Plan - Demolition And Remediation .dwg
2014/07/29 3:45 PM by: Lees, Andy
ORIGINAL SHEET - ANSI D



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Consultants

Legend

APPROXIMATE EXCAVATION LIMITS:

- UTILITY – RELATED SOIL EXCAVATION
- BEDROCK EXCAVATION
- ALIGNMENTS OF NEW GROUNDWATER INJECTION PIPING TRENCH

Notes

1. EXCAVATION LIMITS APPROXIMATE ONLY.
2. AREAS EXCAVATED PRIMARILY FOR STORM AND SANITARY PIPES AND CONNECTIONS TO SEWER.

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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CARRIAGE FACTORY
SITE MANAGEMENT PLAN

BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

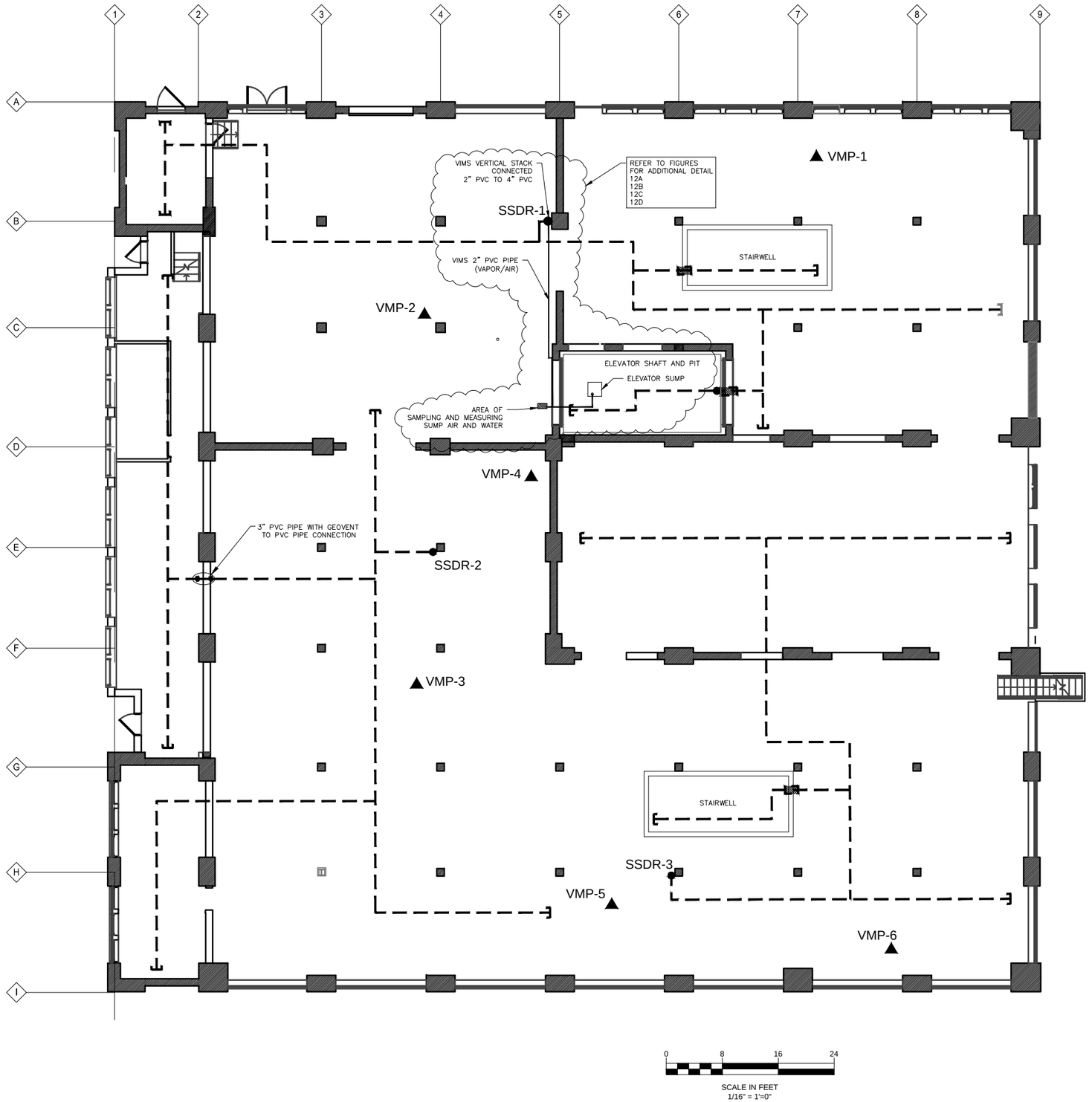
Title

BASEMENT EXCAVATION PLAN - NEW UTILITIES

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 6B	of	0

U:\190500751\drawing\CAD\SMP Figures\Figure 6B - Basement Excavation Plan.dwg
2014/07/29 3:41 PM By: Lees, Andy

ORIGINAL SHEET – ANSI D



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Consultants

Legend

- VACUUM MONITORING POINTS (VM)
- RISER PIPE (SSDR-1)
- GEOVENT WITH CAP
- SOLID PVC PIPE
- 3" PVC PIPE WITH GEOVENT TO PVC PIPE CONNECTION
- METAL SLEEVES

Notes

1.) VIMS (LIQUID BOOT MEMBRANE SECTION) APPLICATION UNDER ALL CONCRETE SLAB HORIZONTAL APPLICATION

Revision	By	Appd.	YY.MM.DD
AS-BUILT DRAWINGS	BH/AL	PN	14.12.05
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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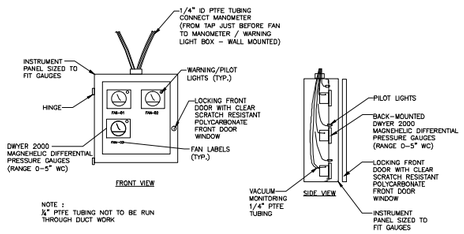
Client/Project
CARRIAGE FACTORY
INTERIM REMEDIAL MEASURES CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title
SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

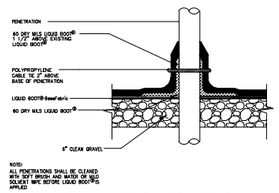
Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 7A	of	0

J:\190500751\drawing\CAD\SMP Figures\Figure 7A Sub-Slab Depressurization System Layout.dwg
12/17/2012 8:02 PM By: Lewis, Andy

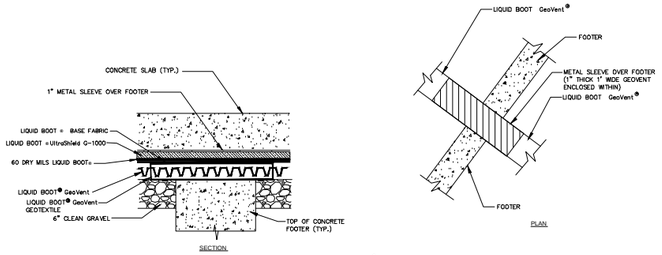
ORIGINAL SHEET – ANSI D



1 TYPICAL WALL-MOUNTED INSTRUMENT PANEL INSTALLATION DETAIL
NOT TO SCALE



GAS VAPOR BARRIER PENETRATIONS ON EARTH OR GRAVEL SUBGRADE
NOT TO SCALE



GAS VAPOR BARRIER LIQUID BOOT® GEOVENT THROUGH METAL SLEEVE TO CROSS OVER FOOTERS
NOT TO SCALE

GENERAL NOTES

1. PROVIDE AND INSTALL FANTECH HP220 HIGH-SUCTION IN-LINE BLOWERS/FANS, OR EQUIVALENT, AS PER MANUFACTURER'S SPECIFICATIONS AND AS SHOWN ON DRAWINGS. INSTALL FAN WITH AIRTIGHT AND EASILY REMOVABLE COUPLINGS FOR EASE OF REPAIR, REPLACEMENT OR UPGRADE. INSTALL ONE FAN AS A TEST ON A RISER AS SPECIFIED BY STANTEC. RESULTS OF THE TEST WILL DICTATE IF A FAN UPGRADE IS NEEDED.

2. INSTALL DWYER MAGNEHELIC MANOMETERS GAUGES OR EQUIVALENT AS PER THE MANUFACTURER'S SPECIFICATIONS. THE MANOMETERS SHALL DISPLAY PRESSURE IN INCHES OF WATER AND HAVE A PRESSURE RANGE APPROPRIATE FOR THE INSTALLED BLOWERS/FANS. INSTALL THE MANOMETERS IN 5TH FLOOR MECHNICAL ROOM IN WALL-MOUNTED LOCKABLE CABINET (NEMA OM-MAU SERIES) WITH A CLEAR SCRATCH-RESISTANT POLYCARBONATE FRONT DOOR WINDOW.(NEMA OM-HFPU SERIES) AS SHOWN ON THE DRAWINGS. CONNECT THE MANOMETERS WITH ¼" I.D., 50 MIL WALL , KINK RESISTANT PTFE TUBING,SWAGELOK PFA-T4-047-100, 1/4 X 0.49 WALL PFA TUBING OR APPROVED BY STANTEC).

3. CONNECT THE ¼" I.D. PTFE TUBING AT THE VACUUM PORTION OF THE RISERS, WITH BRASS BARBED FITTING (TYP.) THAT SEALS INTO THE RISER PIPE. TUBING CAN CONNECT TO VACUUM PORTION OF RISER PIPE ABOVE OR BELOW ROOF LEVEL PROVIDED THAT ACCESS TO THE CONNECTION REMAINS AVAILABLE. WHERE REQUIRED, SECURE WITH ¾" PLASTIC HOSE BRACKET (TYP.) EN ROUTE TO MANOMETER.

4. THE MANOMETERS MUST BE ACCESSIBLE FOR MAINTENANCE AND VIEWING.
WARNING / PILOT LIGHTS ARE LIT TO INDICATE FAN CIRCUITS ARE CLOSED AND POWERED (ON).

5. EXTRACTION PIPING, BLOWERS/FANS, MANOMETERS, CONDUITS AND TUBING SHALL BE ADEQUATELY SUPPORTED ALONG THE BUILDING'S WALLS AND STRUCTURAL MEMBERS. CONNECTION TO STRUCTURAL MEMBERS MUST NOT COMPROMISE THE INTEGRITY OF THE EXISTING STRUCTURAL MEMBERS. EXISTING EXTERIOR PIPING MUST BE SUPPORTED WITH EXTERIOR GRADE BRACKETS AT INTERVALS NO GREATER THAN 8 FEET.

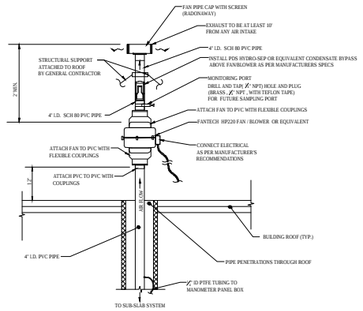
6. CLEARLY LABEL ALL VISIBLE COMPONENTS OF THE SUB-SLAB DEPRESSURIZATION SYSTEM AT REGULAR INTERVALS WITH THE FOLLOWING MESSAGE: "THIS IS A COMPONENT OF A VAPOR INTRUSION MITIGATION SYSTEM. DO NOT ALTER OR DISCONNECT. LABELS MUST BE LEGIBLE FROM A DISTANCE OF AT LEAST THREE FEET.

7. INSTALL FLASHING AND EXTERIOR SEALANT AT ALL EXTERIOR PENETRATIONS SUCH THAT WATER AND AIR CANNOT ENTER INTO THE WALL CAVITY AND/OR BUILDING AS PER FIRE CODE.

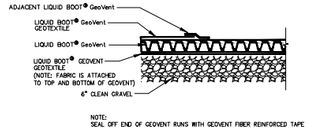
8. CONTRACTOR TO PREPARE AND IMPLEMENT HEALTH AND SAFETY PLAN FOR THEIR EMPLOYEES IN ACCORDANCE WITH 29 CFR 1910.

9. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF INSTRUMENT PANEL AND VIMS EXHAUST TO ARCHITECT / ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

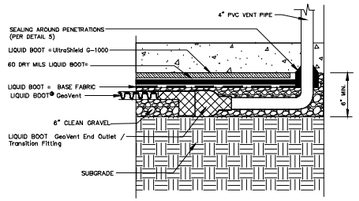
10. INSTALL FAN PIPE CAP (RANDONAWAY), TO PREVENT RAIN AND RODENTS FROM ENTERING THE PIPE.



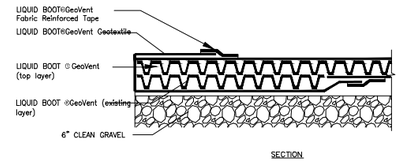
2 VIMS SYSTEM EXHAUST STACK
NOT TO SCALE



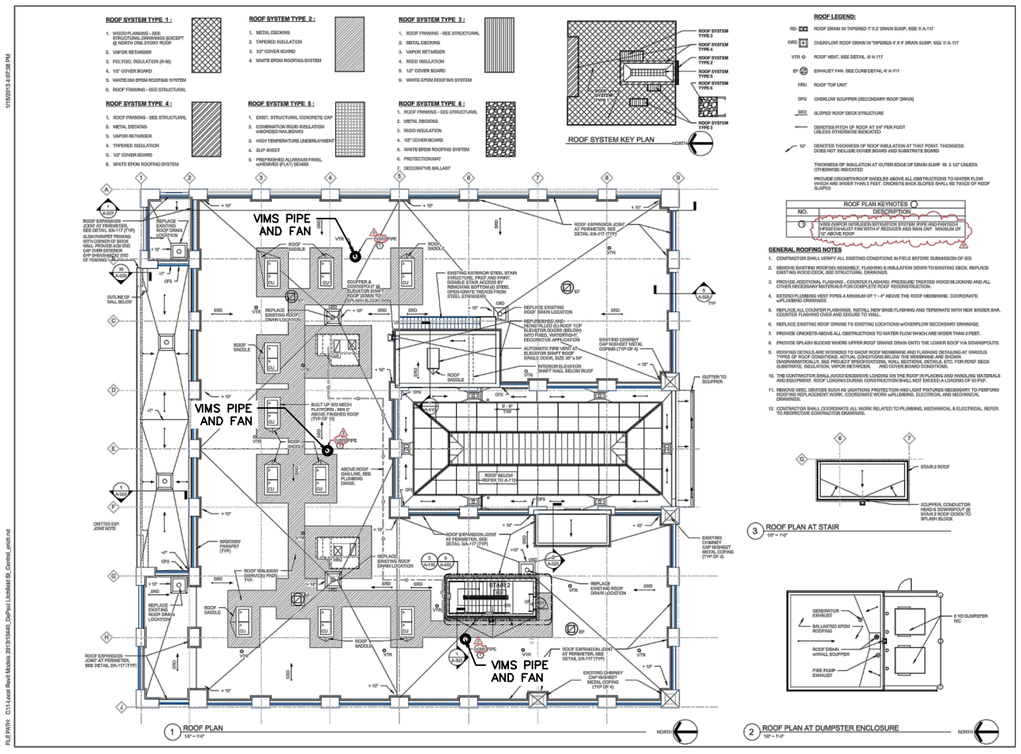
GAS VAPOR BARRIER LIQUID BOOT® GEOVENT TERMINATION
NOT TO SCALE



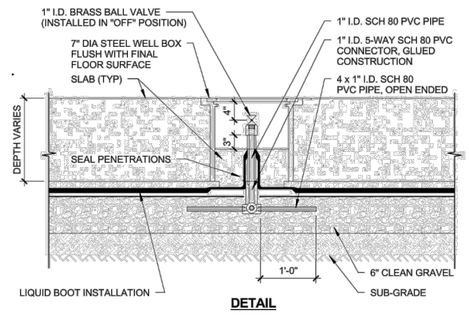
1 TYPICAL UNDER-SLAB VIMS PIPING AND LIQUID BOOT® GEOVENT CONNECTION TO VENT RISER DETAIL
NOT TO SCALE



VAPOR BARRIER LIQUID BOOT ® GEOVENT INTERLOCKING CONNECTIONS
NOT TO SCALE



ROOF PLAN
N.T.S.



TYP SUB-SLAB VACUUM MONITORING PROBE
Not To Scale

SWBR ARCHITECTS
387 East Main Street
Rochester, NY 14604-2107
Voice: 585.232.8300
Fax: 585.232.9221
www.swbr.com
ROCHESTER, NEW YORK

REVISIONS

NO	DATE	BY	DESCRIPTION
1	4.4.2012	MEH	ADDENDUM #1

PROJECT:
THE CARRIAGE FACTORY
33 LITCHFIELD STREET
ROCHESTER, N.Y. 14608
HDR SHARS # : 20116000
CLIENT:
DEPAUL
1931 BUFFALO ROAD
ROCHESTER, NY 14624

DRAWING TITLE
ROOF PLAN

DRAWING NO. A-116
drawn by SDP
checked RF
proj. mgr. JG
proj. no.

STATUS
CONSTRUCTION SET
ISSUE DATE:
APRIL 20, 2102

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Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: Dwn. Chkd. Dsgn. YY.MM.DD

Permit-Seal

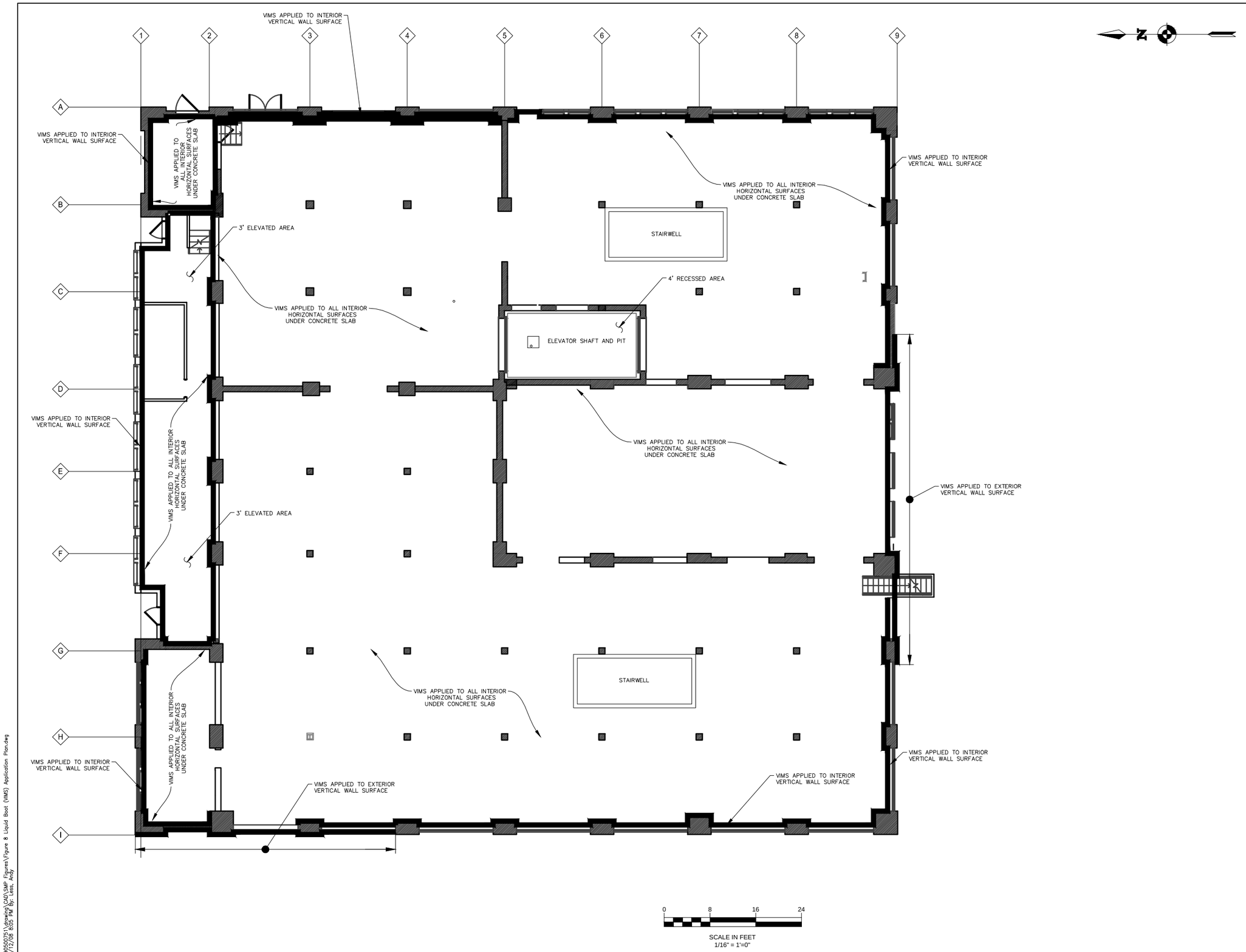
Client/Project
CARRIAGE FACTORY
SITE MANAGEMENT PLAN
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

Title
SUB-SLAB DEPRESSURIZATION SYSTEM DETAILS

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 7B	of	0

U:\190500751\drawing\CAD\SMP Figures\Figure 7B Sub-Slab Depressurization System Details.dwg
2014/07/28 3:38 PM By: Less, Andy
5/19/2014 4:07:38 PM
R:\ENVN - C11-Lead Plant Models 2013\15446_DePaul Liaisons\R_Drafted_Lib\Arch_ansi.rvt

ORIGINAL SHEET – ANSI D



I:\190500751\drawing\CAD\SMP Figures\Figure 8 Liquid Boot (VIMS) Application Plan.dwg
2021/12/08 8:32 PM By: Lisa, Mary

ORIGINAL SHEET – ANSI D

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Consultants

Legend

VIMS (LIQUID BOOT MEMBRANE) WALL APPLICATION

Notes

1.) VIMS (LIQUID BOOT MEMBRANE SECTION) APPLICATION UNDER ALL CONCRETE SLAB HORIZONTAL APPLICATION

Revision	By	Appd.	YY.MM.DD
AS-BUILT DRAWINGS	BH/AL	PN	14.12.05
Issued	By	Appd.	YY.MM.DD
File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Client/Project

CARRIAGE FACTORY

INTERIM REMEDIAL MEASURES CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT

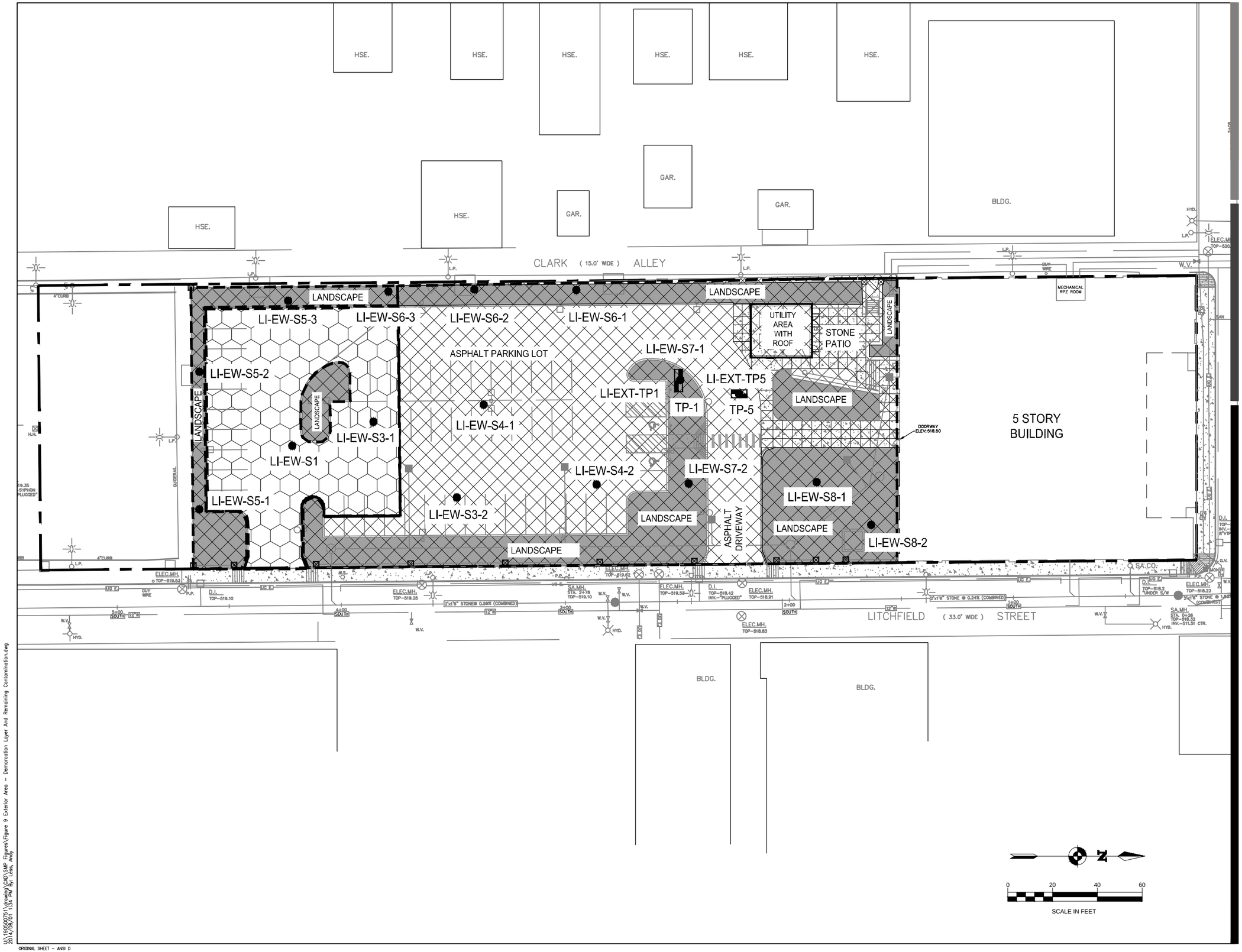
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY

33 LITCHFIELD STREET, ROCHESTER , NY

Title

LIQUID BOOT (VIMS) APPLICATION PLAN

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 8	of	0



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Legend

- AREA OF FILTER FABRIC DEMARCATION LAYER
- AREA OF GEOGRID DEMARCATION LAYER
- PROPERTY LINE
- CONFIRMATORY SOIL SAMPLE LOCATIONS
- TP-5 TESTPIT / SOIL SAMPLE LOCATION

Notes

1. PLAN ADAPTED FROM BASE PLAN BY PARRONE ENGINEERING.
2. THE POTENTIAL FOR CONTAMINATION TO BE PRESENT IN SOILS BENEATH THE DEMARCATION LAYER EXISTS IN ALL EXTERIOR AREAS. SEE TEXT FOR ADDITIONAL DISCUSSION OF REMAINING CONTAMINATION.

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: | Dwn. | Chkd. | Dsgn. | YY.MM.DD

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Client/Project

CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN

BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET, ROCHESTER , NY

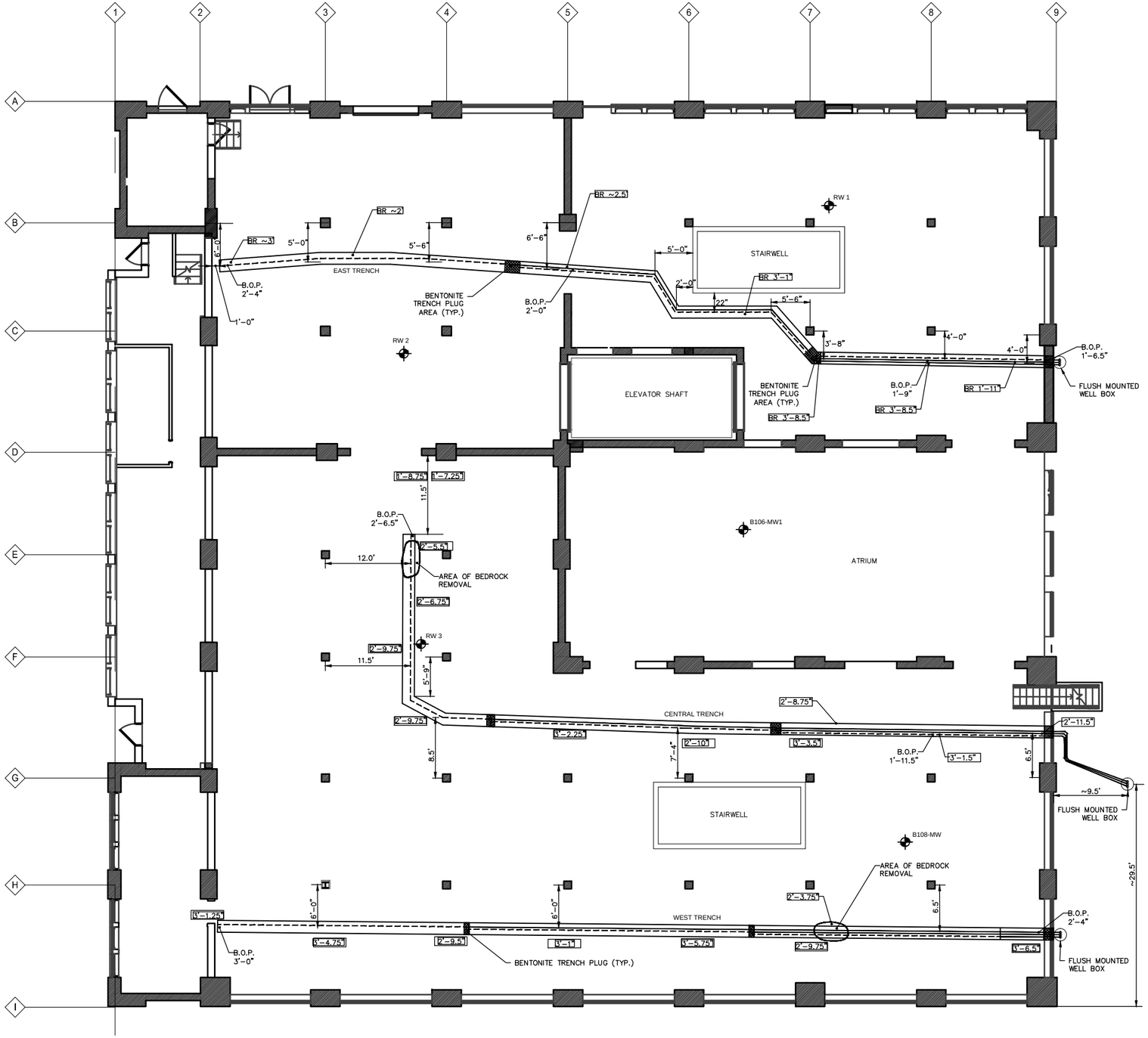
Title

EXTERIOR AREA - DEMARCATION LAYER AND REMAINING CONTAMINATION

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 9	of	0

U:\190500751\drawing\CAD\SMP Figures\Figure 9 Exterior Area - Demarcation Layer And Remaining Contamination.dwg
2014/08/01 1:34 PM By: Lass, Andy

ORIGINAL SHEET - ANSI D



I:\1905\00751\Drawing\CAD\SMP Figures\Figure 10 - Groundwater Remediation Injection Piping System Layout.dwg
12/14/2020 8:09 AM By: Lees, Andy

ORIGINAL SHEET – ANSI D

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Legend

- BUILDING COLUMN
- 3'–1.25" — DEPTH TO THE TOP OF BEDROCK
- AREA OF BEDROCK REMOVAL
- APPROX. TRENCH LIMITS
- 2" I.D. SOILD PIPE
- BENTONITE TRENCH PLUG
- 2" I.D. SLOTTED PIPE
- B.O.P. — BOTTOM OF PIPE

Notes

1. EXCAVATION LIMITS AND DIMENSIONS ARE APPROXIMATE ONLY.
2. DEPTHS RELATIVE TO BELOW FINISHED FLOOR ELEVATION (0'-0").

Revision	By	Appd.	YY.MM.DD
AS-BUILT DRAWINGS	BH/AL	PN	14.12.05
Issued	By	Appd.	YY.MM.DD

File Name: | Dwn. | Chkd. | Dsgn. | YY.MM.DD

Permit-Seal

Client/Project

CARRIAGE FACTORY

INTERIM REMEDIAL MEASURES CONSTRUCTION COMPLETION REPORT AND FINAL ENGINEERING REPORT

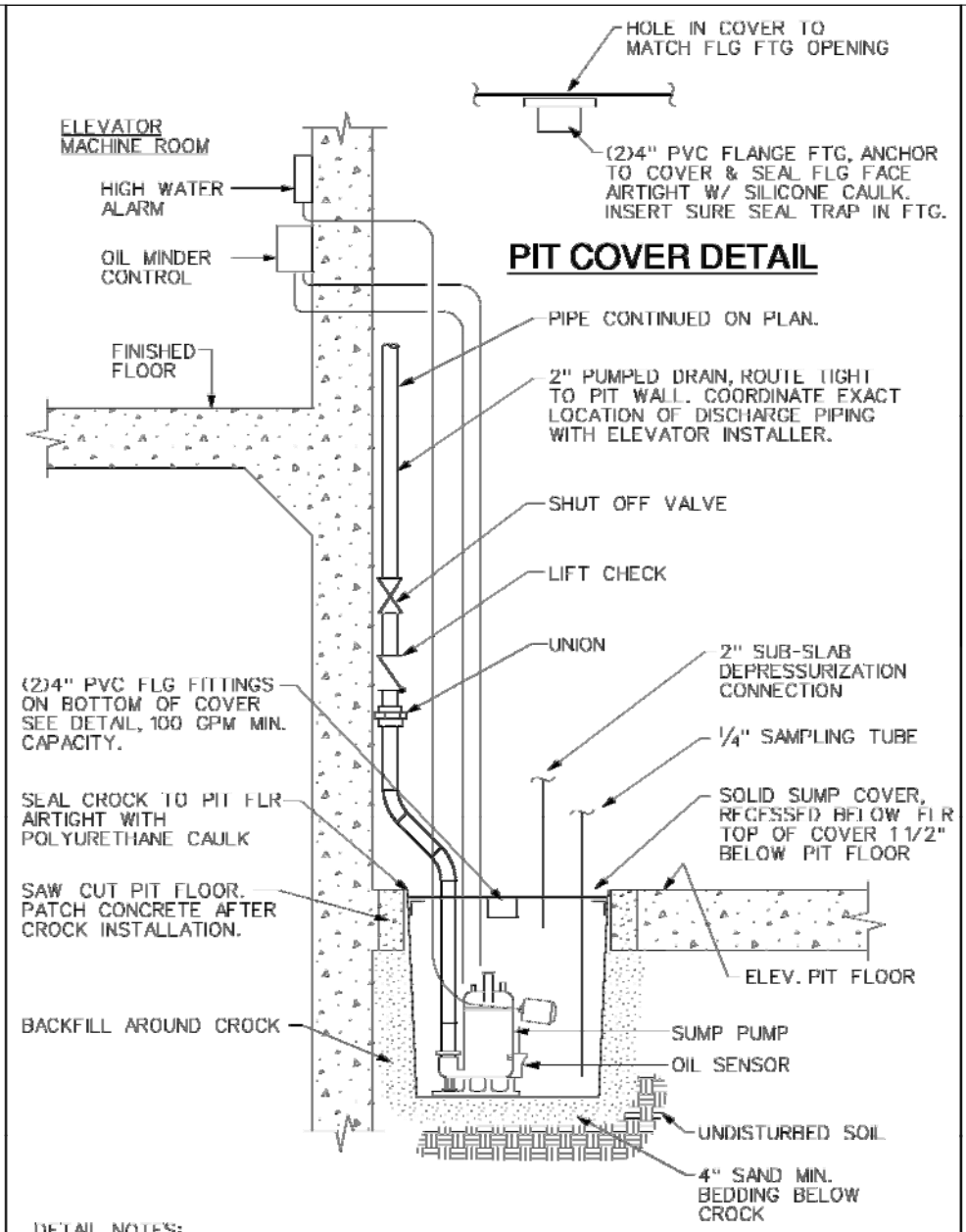
BROWNFIELD CLEANUP PROGRAM
FORMER CARRIAGE FACTORY

33 LITCHFIELD STREET, ROCHESTER , NY

Title

GROUNDWATER REMEDIATION
INJECTION PIPING SYSTEM LAYOUT

Project No.	Scale	
190500751	AS SHOWN	
Drawing No.	Sheet	Revision
FIGURE 10	of	0



DETAIL NOTES:

A. BURIED PUMP DISCHARGE PIPING SHALL BE PROTECTED WITH TAPECOAT CT CORROSION PROTECTION TAPE

B. MIN. CROCK SIZE 24"x24"x24" WITH SOLID COVER. BASED ON STANCOR MODEL SE50.

C. CROCK TO BE SEALED TO PIT FLOOR IN COORDINATION WITH SUB SOIL DEPRESSURIZATION SYSTEM

D. SSDS AND SAMPLING TUBING PER STANTEC FIGURE 11 C

3 / P001

ELEVATOR SUMP PUMP DETAIL

SCALE: NONE

DEC. , 2014
190500751

U:\190500751\DRAWING\CAD\SMP FIGURES\FIGURE 11A ELEVATOR SUMP PUMP DETAIL.DWG
12/4/2014 4:00 PM

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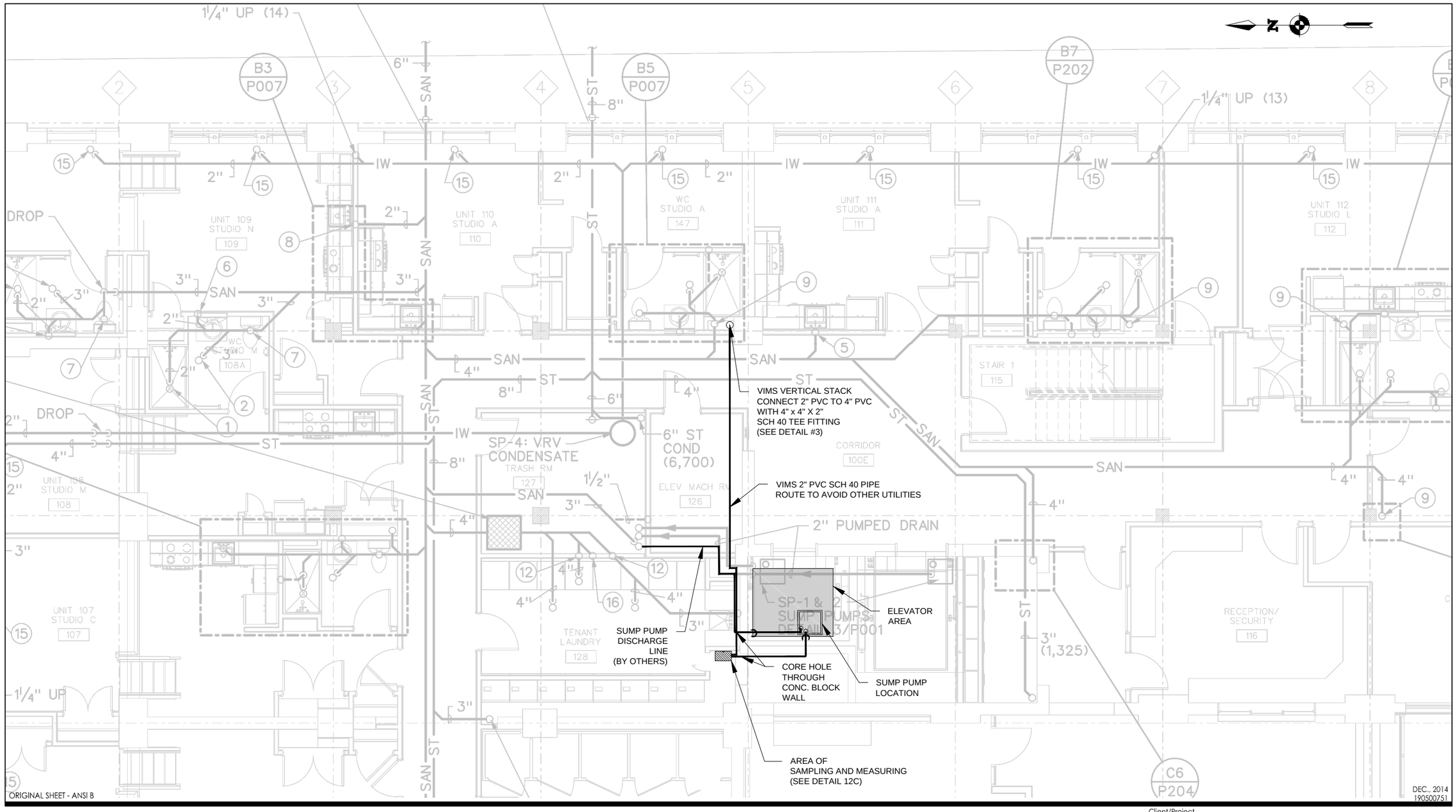
SOURCE : DETAIL REFERENCE FROM:
SWBR ARCHITECTURAL/PLUMBLING DRAWINGS

Client/Project
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN
BROWNFIELD CLEANUP PROGRAM

Figure No.
11A

Title
ELEVATOR SUMP PUMP DETAIL



U:\190500751\drawing\CAD\SMP Figures\Figure 11B Piping Plan.dwg

ORIGINAL SHEET - ANSI B

DEC., 2014
190500751

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Rochester, New York USA 14614
www.stantec.com

Legend

Notes

NOTES:

1.) ALL PIPING AND PENETRATIONS IN ACCORDANCE WITH FIRE CODE

Client/Project

CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.

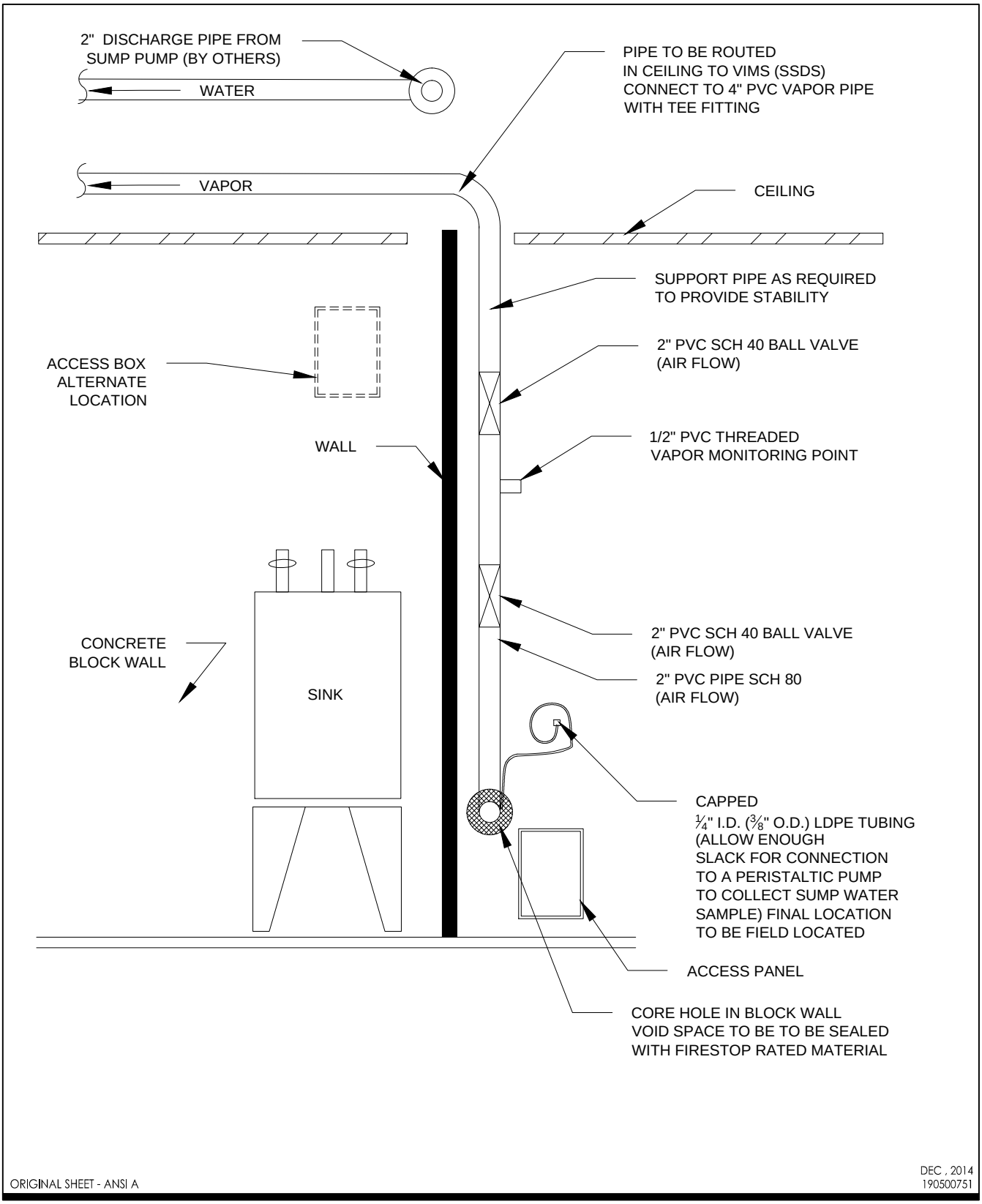
SITE MANAGEMENT PLAN
BROWNFIELD CLEANUP PROGRAM

Figure No.

11B

Title

PLAN VIEW OF ELEVATOR AREA
SSDS PIPING AND SAMPLING LOCATIONS



ORIGINAL SHEET - ANSI A

DEC , 2014
190500751

U:\190500751\DRAWING\CAD\SMP FIGURES\FIGURE 11C ELEVATOR PIT EQUIPMENT DETAIL.DWG
12/4/2014 4:04 PM

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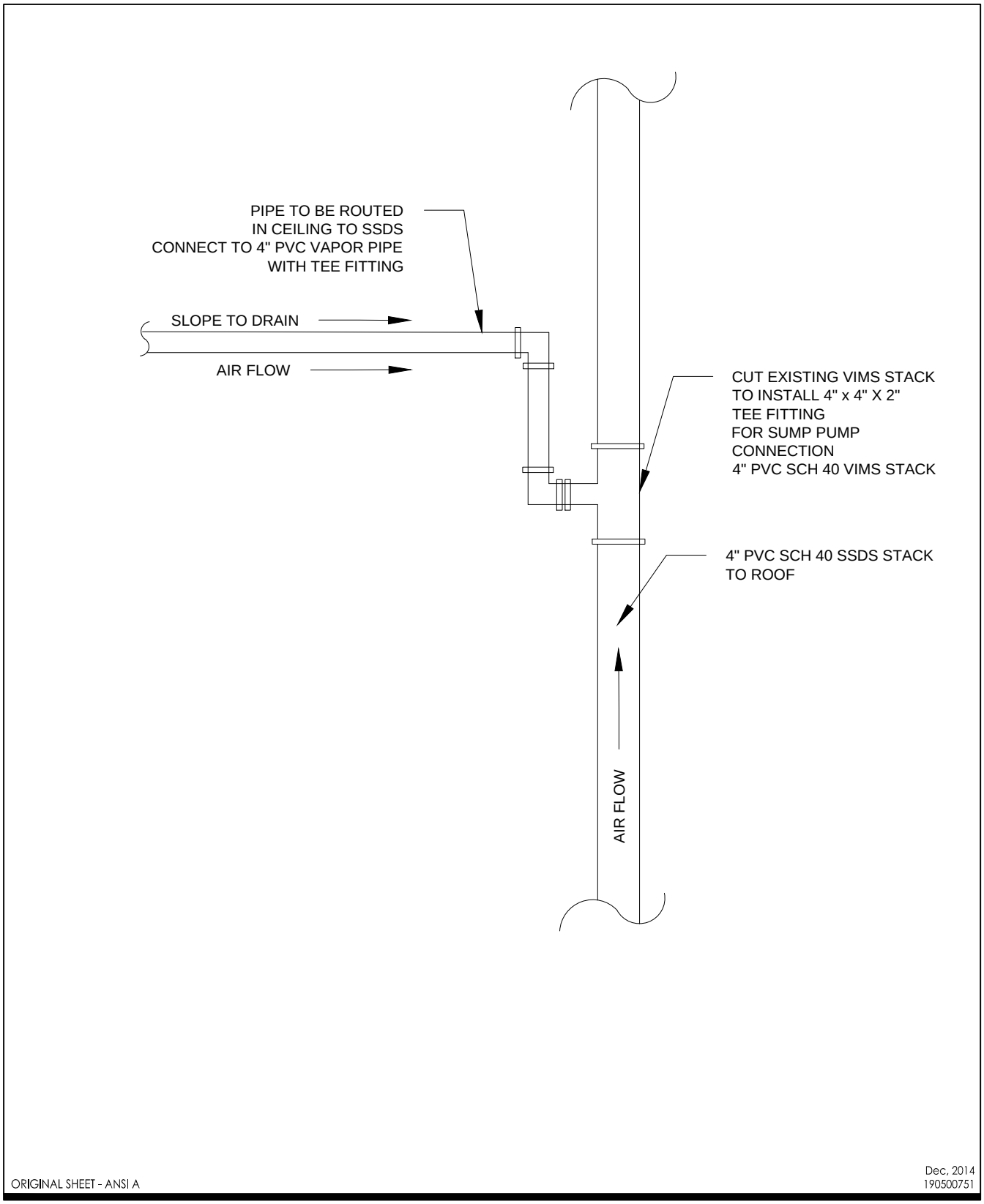
Client/Project
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.
SITE MANAGEMENT PLAN
BROWNFIELD CLEANUP PROGRAM

Figure No.
11C

Title
ELEVATOR SUMP AIR/WATER PIPING/MONITORING



ORIGINAL SHEET - ANSI A

Dec, 2014
190500751

U:\190500751\DRAWING\CAD\SMP FIGURES\FIGURE 11D VIMS STACK CONNECTION.DWG
12/4/2014 4:06 PM

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CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.

SITE MANAGEMENT PLAN
BROWNFIELD CLEANUP PROGRAM

Figure No.

11D

Title

ELEVATOR SUMP AIR SSDS
STACK CONNECTION

APPENDIX A

Environmental Easement

MONROE COUNTY CLERK'S OFFICE

ROCHESTER, NY

THIS IS NOT A BILL. THIS IS YOUR RECEIPT

Receipt # 1161919

Index DEEDS

Book 11469 Page 571

No. Pages : 11

Instrument EASEMENT AGREEMENT

Date : 11/18/2014

Time : 03:47:46PM

Control # 201411180806

TT # TT0000005987

Ref 1 #

Employee : RachelR

Return To:
BOX 30

CFSN HOUSING DEVELOPMENT FUND COMPANY INC
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS LP
PEOPLE OF THE STATE OF NEW YORK

CFSN HOUSING DEVELOPMENT FUND COMPANY INC
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS LP
PEOPLE OF THE STATE OF NEW YORK

COUNTY FEE TP584	$	5.00
COUNTY FEE NUMBER PAGES	$	50.00
RECORDING FEE	$	45.00
STATE FEE TRANSFER TAX	$	0.00

Total $ 100.00

State of New York

MONROE COUNTY CLERK'S OFFICE

WARNING - THIS SHEET CONSTITUTES THE CLERKS ENDORSEMENT, REQUIRED BY SECTION 317-a(5) & SECTION 319 OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH OR REMOVE.

TRANSFER AMT

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CHERYL DINOLFO

MONROE COUNTY CLERK

PI182-201411180806-11

10

RECORDED

2014 NOV 18 PM 3:47

MONROE COUNTY CLERK

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

THIS INDENTURE made this 5th day of ~~October~~ November, 2014, between-Owner(s) CFSN Housing Development Fund Company, Inc., as nominee for Grantor Beneficial Owner (defined below), (the "Grantor Fee Owner") having an office at 1931 Buffalo Road, County of Monroe, State of New York, and Carriage Factory Special Needs Apartments, LP., (the "Grantor Beneficial Owner"), having an office at 1931 Buffalo Road, County of Monroe, State of New York (collectively, the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

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

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

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

WHEREAS, Grantor, is the owner of real property located at the address of 33 Litchfield Street in the City of Rochester, County of Monroe and State of New York, known and designated on the tax map of the County Clerk of Monroe as tax map parcel numbers: Section 120.36 Block 2 Lot 20, being the same as that property conveyed to Grantor by deed dated December 5, 2012 and recorded in the Monroe County Clerk's Office in Liber and Page 11202/160. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.506 +/- acres, and is hereinafter more fully described in the Land Title Survey dated June 25, 2012 prepared by Parrone Engineering, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A;

WHEREAS, Grantor Beneficial Owner, is the owner of the beneficial interest in the

Box 30 - Amy Reichhart

Controlled Property being the same as a portion of that beneficial interest conveyed to Grantor Beneficial Owner by means of a Declaration of Interest and Nominee Agreement dated December 3, 2012 and recorded in the Monroe County Clerk's Office in Liber and Page 11202/164 ; and

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

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C828184-01-13, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

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

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

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

Restricted Residential as described in 6 NYC RR Part37 5-1.8 (g)(2)(ii), Commercial as described in 6 NYC RR Part37 5-1.8 (g)(2)(iii)and Industrial as described in 6 NYC RR Part37 5-1.8 (g)(2)(iv)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(i) are in-place;

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

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

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

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

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

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

(7) the information presented is accurate and complete.

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

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

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

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

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

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

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

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

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

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

Parties shall address correspondence to:

Site Number: C828184
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation

NYSDEC
625 Broadway
Albany, NY 12233

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

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

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

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

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

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

CFSN HOUSING DEVELOPMENT FUND COMPANY, INC.

By: _____
Name: Mark H. Fuller
Its: President

Grantor Fee Owner's Acknowledgment

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

On the 3rd day of October, in the year 2014, before me, the undersigned, personally appeared MARK H. FULLER, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public – State of New York
LYNETTE V. COX
Notary Public, State of New York
Registration No. 4936171
Monroe County
Commission Expires 4/30/18

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

CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.

By: Carriage Development, Inc., its general partner

By: _____
Name: Mark H. Fuller
Its: President

Grantor Beneficial Owner's Acknowledgment

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

On the 3rd day of October, in the year 2014, before me, the undersigned, personally appeared MARK H. FULLER, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public – State of New York

LYNETTE V. COX
Notary Public, State of New York
Registration No. 4966171
Monroe County
Commission Expires 4/30/18

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

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

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

On the 5th day of ~~October~~ November, in the year 2014, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

ANDREW O. GUGLIELMI
Notary Public, State of New York
No. 02GU6177593
Qualified in Albany County
Commission Expires November 13, 2015

SCHEDULE "A "PROPERTY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE AND STATE OF NEW YORK, BEING PART OF THE BUSH AND KING TRACT, SO CALLED, KNOWN AND DESCRIBED AS FOLLOWS: COMMENCING AT THE POINT OF INTERSECTION OF THE WESTERLY LINE OF LITCHFIELD STREET (33 FEET WIDE) AND THE SOUTHERLY LINE OF WILEY STREET (33 FEET WIDE) AND RUNNING THE FOLLOWING COURSES: (1) WESTERLY ALONG THE SOUTHERLY LINE OF WILEY STREET A DISTANCE OF 127.00 FEET TO A POINT WHERE THE SOUTHERLY LINE OF WILEY STREET INTERSECTS THE EASTERLY LINE OF CLARK ALLEY; THENCE (2) SOUTHERLY AT AN INTERIOR ANGLE OF 89° 30' 29" WITH THE LAST DESCRIBED COURSE A DISTANCE OF 517.07 FEET TO A POINT; THENCE (3) EASTERLY ALONG THE NORTHERLY LINE OF THE LANDS NOW OR FORMERLY OWNED BY A. FIORIO AND AT RIGHT ANGLES WITH THE LAST DESCRIBED COURSE A DISTANCE OF 127.00 FEET TO A POINT IN THE WESTERLY SIDE OF LITCHFIELD STREET; THENCE (4) NORTHERLY ALONG THE WESTERLY SIDE OF LITCHFIELD STREET AND AT RIGHT ANGLES WITH THE LAST DESCRIBED COURSE A DISTANCE OF 515.98 FEET TO THE POINT OF BEGINNING; THE LAST DESCRIBED COURSE FORMING AN INTERIOR ANGLE OF 90° 29' 32" WITH COURSE (1).

REFERENCES:

LIBER 11202 OF DEEDS, PAGE 160

ABSTRACT OF TITLE PREPARED BY FRONTIER ABSTRACT AND RESEARCH SERVICES INC. SEARCH #506435, DATED DECEMBER 11, 2007.

BOUNDARY LINE AGREEMENT, LIBER 10555 OF DEEDS, PAGE 474.

TITLE REPORT PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, TITLE #TM-444-MON-11, DATED JANUARY 18, 2013.

MAPPING OBTAINED FROM THE CITY OF ROCHESTER MAPS AND SURVEYS DISTRICT 21, MAPS 5-6

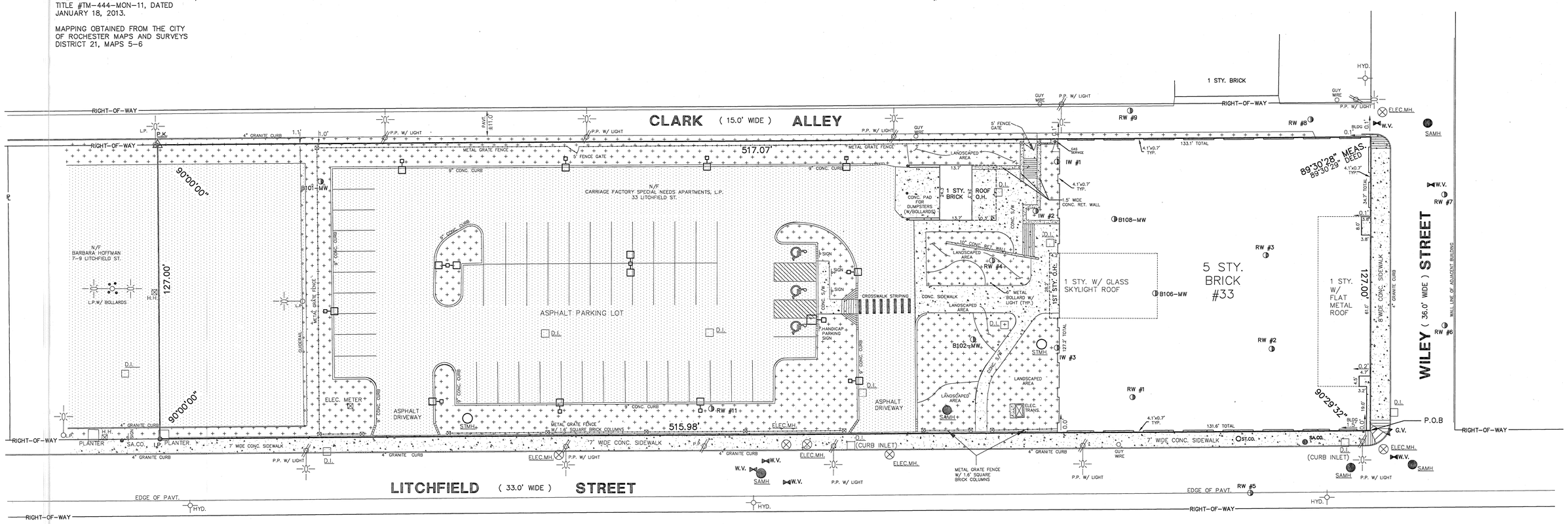
EASEMENTS:

ENVIRONMENTAL EASEMENT TO NYSDEC. THE AREA OF THE EASEMENT BOUNDARY MATCHES THE PARCEL BOUNDARY AS DESCRIBED BELOW.

EASEMENT TO R.G& E., LIBER 1581 OF DEEDS, PAGE 474. FOR STEAM LINES ON LITCHFIELD STREET "UNDER, ALONG AND ADJACENT TO PREMISES FOR APPROX. 124 FEET" (UNABLE TO PLOT LOCATION ON MAP FROM DESCRIPTION)

20' 16' 12' 8' 4' 0 20' 40'
6.1m 3.05m 0m 6.1m 12.2m

NORTH



ENGINEERING CONTROLS:

SYMBOL	DESCRIPTION
	AREAS WITH CONCRETE CAP
	AREAS WITH ASPHALT CAP
	AREAS OF GRASS AND/OR LANDSCAPING

LEGEND:

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SIGN		CURB
L.P.	LIGHT POLE		CURB TRANSTION (CURB-CUT)
	LIGHT POLE	W.V.	WATER VALVE
	POWER POLE	HYD.	FIRE HYDRANT
###	MONITORING WELL LOCATIONS	G.V.	GAS VALVE
SAMH	SANITARY MANHOLE		STAIRS OR HANDICAP RAMP
STMH	STORM MANHOLE	SA.CO.	SANITARY CLEANOUT
ELEC.MH.	ELECTRIC/UTILITY MANHOLE	ST.CO.	STORM CLEANOUT

ENVIRONMENTAL REMEDIATION SYSTEM NOTES:

1. OPERATING REMEDIATION SYSTEMS IN PLACE WITHIN THE SITE BUILDING BUT NOT SHOWN ON THIS SURVEY PLAN INCLUDE
   a) A VAPOR INTRUSION SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS);
   b) A BASEMENT ELEVATOR SUMP SYSTEM; AND
   c) A GROUNDWATER INJECTION PIPING SYSTEM.
   AS-BUILT DETAILS FOR EACH OF THESE SYSTEMS ARE PROVIDED IN THE FORMER CARRIAGE FACTORY, MONROE COUNTY, NEW YORK, SITE MANAGEMENT PLAN, NYSDEC SITE NUMBER; C828184 (SMP).
   THE FOLLOWING SMP FIGURES PROVIDE DETAILS:

FIGURE 7A	SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT
FIGURE 7B	SUB-SLAB DEPRESSURIZATION SYSTEM DETAILS
FIGURE 8	LIQUID BOOT VAPOR BARRIER APPLICATION
FIGURE 10	GROUNDWATER REMEDIATION PIPING PLAN
FIGURE 11A	ELEVATOR SUMP PUMP DETAIL
FIGURE 11B	PLAN VIEW OF ELEVATOR AREA SSDS PIPING AND SAMPLING LOCTIONS
FIGURE 11C	ELEVATOR SUMP AIR/WATER PIPING/MONITORING
FIGURE 11D	ELEVATOR SUMP AIR SSDS STACK CONNECTION

2. A DEMARCATION LAYER OF FILTER FABRIC OR GEOTEXTILE HAS ALSO BEEN BURIED ACROSS THE SITE TO IDENTIFY THE BASE OF CLEAN FILL MATERIALS PLACED OVER POTENTIALLY-CONTAMINATED SOILS. DETAILS OF THE LOCATION AND PLACEMENT OF THIS LAYER ARE PROVIDED ON FIGURE 9 OF THE SMP.

PARCEL AND ENVIRONMENTAL EASEMENT LEGAL DESCRIPTION:

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE AND STATE OF NEW YORK, BEING PART OF THE BUSH AND KING TRACT, SO CALLED, KNOWN AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE POINT OF INTERSECTION OF THE WESTERLY LINE OF LITCHFIELD STREET (33 FEET WIDE) AND THE SOUTHERLY LINE OF WILEY STREET (36 FEET WIDE) AND RUNNING THE FOLLOWING COURSES AS DESCRIBED IN A DEED FILED IN THE MONROE COUNTY CLERKS OFFICE, LIBER 10555 OF DEEDS, PAGE 478.

THENCE 1) WESTERLY, ALONG THE SOUTHERLY LINE OF WILEY STREET, A DISTANCE OF 127.00 FEET TO A POINT WHERE THE SOUTHERLY LINE OF WILEY STREET INTERSECTS THE EASTERLY LINE OF CLARK ALLEY,

THENCE 2) SOUTHERLY, AT AN INTERIOR ANGLE OF 89°-30'-28" (SHOWN AS 89°-30'-29" IN RECORDED DEED) WITH THE LAST DESCRIBED COURSE, A DISTANCE OF 517.07 FEET TO A POINT,

THENCE 3) EASTERLY, ALONG THE NORTHERLY LINE OF LANDS NOW OR FORMERLLY OWNED BY A. FIORIO AND AT RIGHT ANGLES WITH THE LAST DESCRIBED COURSE, A DISTANCE OF 127.00 FEET TO A POINT IN THE WESTERLY SIDE OF LITCHFIELD STREET,

THENCE 4) NORTHERLY, ALONG THE WESTERLY SIDE OF LITCHFIELD STREET AND AT RIGHT ANGLES WITH THE LAST DESCRIBED COURSE, A DISTANCE OF 515.98 FEET TO THE POINT OF BEGINNING; THE LAST DESCRIBED COURSE FORMING AN INTERIOR ANGLE OF 90°-29'-32" WITH COURSE 1.

INTENDING TO DESCRIBE A PARCEL OF LAND WHICH CONTAINS 1.506 ACRES OF LAND, #33 LITCHFIELD STREET, CITY OF ROCHESTER, NEW YORK.

TAX ACCT. #120.36-02-20

ANY UNAUTHORIZED ALTERATION OR ADDITION TO THIS MAP IS A VIOLATION OF ARTICLE 145, SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

WE PARRONE ENGINEERING, HEREBY CERTIFY THAT THIS MAP WAS PREPARED FROM NOTES OF AN INSTRUMENT SURVEY COMPLETED ON NOVEMBER 20, 2014.

IT IS FURTHER CERTIFIED TO:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CARRIAGE FACTORY SPECIAL NEEDS APARTMENTS, L.P.

DAVID S. STAERR, P.L.S. LIC. NO. 049962
PARRONE ENGINEERING

STATE OF NEW YORK · DAVID S. STAERR · NO. 049962 · LICENSED LAND SURVEYOR

REVISIONS:	BY: DATE:

PARRONE engineering
THE PIANO WORKS
349 WEST COMMERCIAL STREET
SUITE 3200
EAST ROCHESTER, NY 14445
T 585.586.0200
F 585.586.6752

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PARRONE engineering

Designed By:
Drawn By: N.F.
Checked By: D.S.

ENVIRONMENTAL EASEMENT MAP
FOR:
#33 LITCHFIELD STREET
DEPAUL CARRIAGE FACTORY
SITUATE IN:
CITY OF ROCHESTER MONROE COUNTY NEW YORK

DATE: NOV. 25, 2014
SCALE: 1" = 20'
JOB No.: 6770

P:\DJF-Hold\6770\DWG\6770-DEC_EASE_2014dwg.dwg November 26, 2014

APPENDIX B

Excavation Work Plan

APPENDIX B – EXCAVATION WORK PLAN

B-1 INTRODUCTION

This document presents an Excavation Work Plan (EWP) for the Carriage Factory Site located at 33 Litchfield Street in Rochester, Monroe County, New York (the "Site"; see location, Figure 1). The EWP was prepared on behalf of Carriage Factory Special Needs Apartments, L.P. (CFSNA) which is the owner of the property and is pursuing redevelopment of the site under a Brownfield Cleanup Program (BCP) Agreement with the New York State Department of Environmental Conservation (NYSDEC) for the property (Site #C828184). This EWP is included as Appendix B of the Site Management Plan for the Site.

The Site is a 1.5±-acre parcel (Tax Parcel No. 120.36-2-20) improved with a five-story former industrial building, including a basement (see Figure 2 – Site Plan), and has been vacant since the early 1990s. The building was originally built in the early 1900's for the production of horse-drawn carriages, and was one of the oldest manufacturing plants in Rochester. Redevelopment of the Site which was essentially complete at the time this SMPE was finalized, involved converting the building into the Carriage Factory Apartments for special needs and low-income individuals.

B-2 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the site owner or their representative will notify the Department. Currently, this notification will be made to:

Todd Caffoe, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, New York 14414-2466

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent, plans for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control,
- A summary of environmental conditions anticipated in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling,
- A schedule for the work, detailing the start and completion of all intrusive work,
- A summary of the applicable components of this EWP,

- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the contractor's health and safety plan, in electronic format, if it differs from the HASP provided in Appendix E of this SMP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

Note that shallow (less than 2 feet deep) excavations in areas of clean soil cover (as shown on Figure 9) do not require adherence to this EWP. In addition, simple excavations may only require compliance with a portion of the EWP. For example, excavation of a small volume of soil from above the water table that is directly loaded for off-site disposal would not require the stockpiling or fluids management provisions of this plan.

B-3 SOIL SCREENING METHODS

Visual, olfactory and instrument-based soil screening will be performed by a qualified environmental professional or person under their supervision (collectively, "QEP") during all remedial and development excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the Certificate of Completion (COC).

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal, material that requires testing, material that can be returned to the subsurface, and material that can be used as cover soil.

B-4 STOCKPILE METHODS

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

Unless material is being added to or loaded from a stockpile, stockpiles will be kept covered at all times with appropriately-anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

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

B-5 MATERIALS EXCAVATION AND LOAD OUT

A QEP will oversee all invasive work and the excavation and load-out of all excavated material. The owner of the property and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the site will be investigated by the QEP. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the site.

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements). A truck wash will be operated on-site. The QEP will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete.

Locations where vehicles containing impacted materials enter or exit the site shall be inspected daily for evidence of off-site soil tracking. The QEP will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

B-6 MATERIALS TRANSPORT OFF-SITE

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

Impacted material transported by trucks exiting the site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used. All trucks will be washed prior to leaving the site. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Truck transport routes will vary depending on the work location and disposal destination. All trucks loaded with site materials will exit the vicinity of the site using only the most appropriate route which takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport; and (g) community input (where necessary).

Trucks will be prohibited from stopping and idling in the neighborhood outside the progress site. Egress points for trucks and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development. Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

B-7 MATERIALS DISPOSAL OFF-SITE

All soil/fill/solid waste excavated and removed from the site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this site is proposed for unregulated off-site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Track 1 unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

B-8 MATERIALS REUSE ON-SITE

Chemical criteria for on-site reuse of material have been approved by NYSDEC and are NYSDEC's current Restricted Residential Soil Cleanup Objectives (SCOs), which are established in 6NYCRR Part 375.6. The QEP will ensure that procedures defined for materials reuse in the SMP are followed and that unacceptable material does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for re-use on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Impacted materials that will be re-used on-Site will need to be segregated based upon field screening, previous investigation findings, and/or additional pre-construction and/or construction sampling and analyses. The analyses will include the following:

- USEPA's Target Compound List (TCL) Volatile Organic Compounds (VOCs), analyzed by USEPA SW846 Method 8260C;
- TCL Semivolatile Organic Compounds (TCL SVOCs, SW846 Method 8270B);
- TCL Pesticides (SW846 Method 8081);
- PCBs (SW846 Method 8082);and
- Target Analyte List (TAL) Metals (SW846 Methods 6010 or 7000-series).

The analysis results will be compared to NYSDEC's current Restricted Residential Soil Cleanup Objectives SCOs. If concentrations are below Restricted Residential SCOs, the soil can be reused on-Site. If the concentrations are elevated above Restricted Residential SCOs, the results shall be shared with the NYSDEC and approval obtained prior to their specified reuse on-Site. It should

be noted the NYSDEC may require highly-impacted materials to be transported off-Site and disposed of at a permitted landfill facility. Staging and stockpiling management of materials should be conducted as described in the sections above.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the site will not be reused on-site.

B-9 FLUIDS MANAGEMENT

All liquids to be removed from the site, including excavation dewatering and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, but will be managed off-site.

B-10 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the NYSDEC's Decision Document. The demarcation layer, consisting of filter fabric or geotextile will be replaced to provide a visual reference to the top of the "Remaining Contamination Zone", the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this Site Management Plan. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the "Remaining Contamination." A figure showing the modified surface will be included in the subsequent Periodic Review Report and in any updates to the Site Management Plan.

B-11 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the QEP designated by the owner to act on the owner's behalf and NYSDEC and will be in compliance with provisions in this SMP prior to receipt at the site. All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d), as demonstrated by analytical testing performed by the owner. Analytical data will be submitted to NYSDEC for review and approval prior to importing material.

Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards are the lower of NYSDEC's Restricted Residential or Groundwater Protection SCOs. Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste, material from industrial sites, spill sites, or other environmental remediation sites or potentially-contaminated sites will not be imported to the site.

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

B-12 STORMWATER POLLUTION PREVENTION

Silt fencing or hay bales will be installed around the entire perimeter of the construction area. Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the Interim SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

B-13 CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the periodic reports prepared pursuant to Section 5 of the SMP.

B-14 COMMUNITY AIR MONITORING PLAN

The Community Air Monitoring Plan (CAMP) will follow the guidance provided in the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan found in Appendix 1A of NYSDEC's *Technical Guidance for Site Investigation and Remediation* (DER-10). The CAMP for this Site is included as Appendix F of this SMP. The upwind and downwind monitoring locations required in the generic CAMP will be determined based on the prevailing

wind direction at the start of work. Air sampling locations will be adjusted on a daily or more frequent basis based on actual wind directions and work locations. Preference will be given for locations along the western property boundary, near the residential area. VOC monitoring will be performed using a PID. Particulate monitoring will be performed using real-time monitoring equipment.

Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

B-15 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site. Specific odor control methods to be used on a routine basis will include limiting the area of open excavations and the size of soil stockpiles, and covering soil stockpiles. If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the property owner's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

B-16 DUST CONTROL PLAN

A dust suppression plan that addresses dust management during invasive on-site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved through the use of a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing will be done in stages to limit the area of exposed, un-vegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- Ventilation, curtains, and/or enclosures may be used for indoor dust control.

B-17 OTHER NUISANCES

A plan for rodent control will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

APPENDIX C

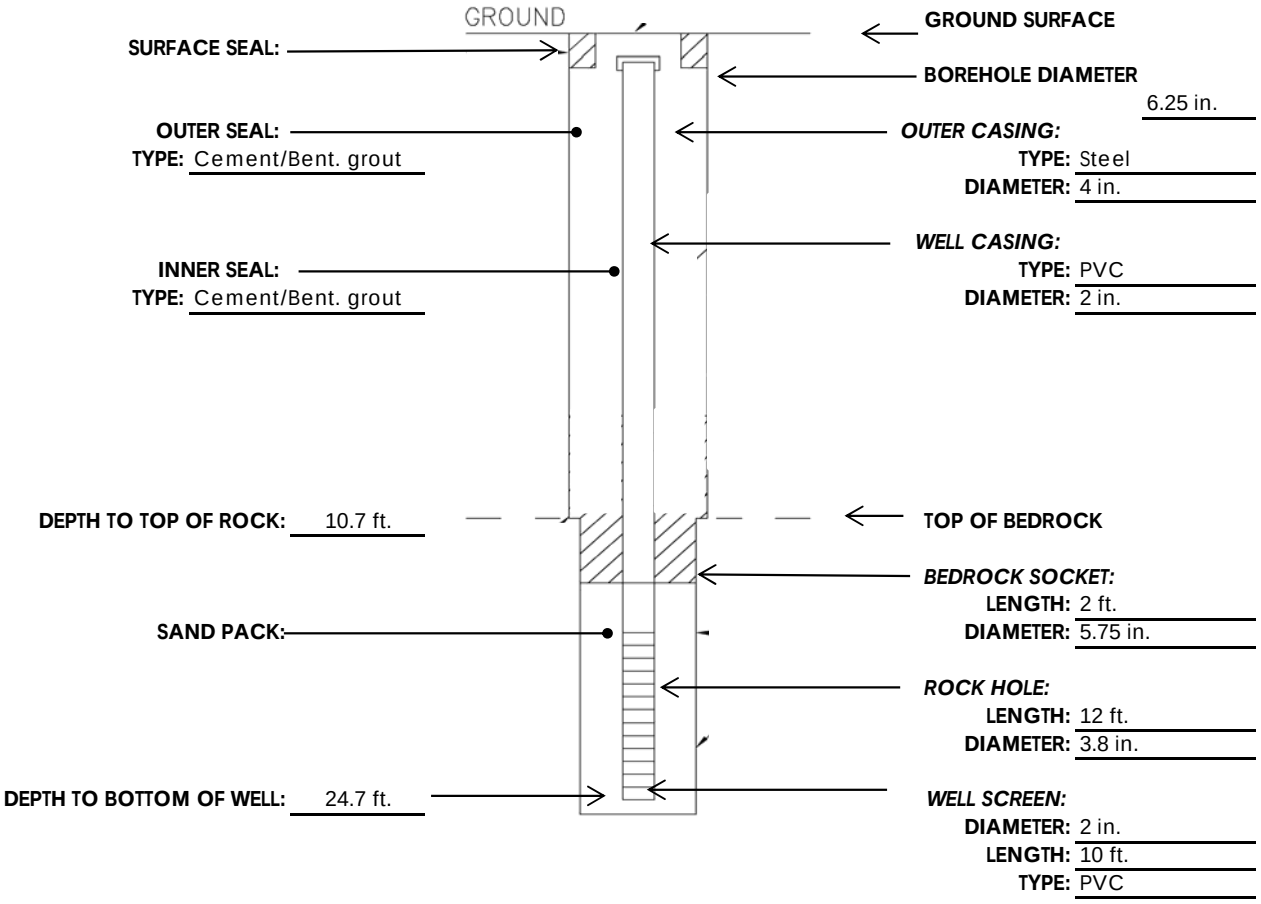
Monitoring Well Construction Reports

MONITORING WELL COMPLETION REPORT - BEDROCK

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

PROJECT NAME:	Carriage Factory	**HOLE DESIGNATION :**	**B101-MW**
PROJECT NUMBER:	190500751	**DATE COMPLETED:**	4/23/2013
CLIENT:	DePaul	**DRILLING METHOD:**	Direct Push / Rotary
LOCATION:	33 Litchfield St	**DRILLER/STANTEC REP:**	Nothnagle



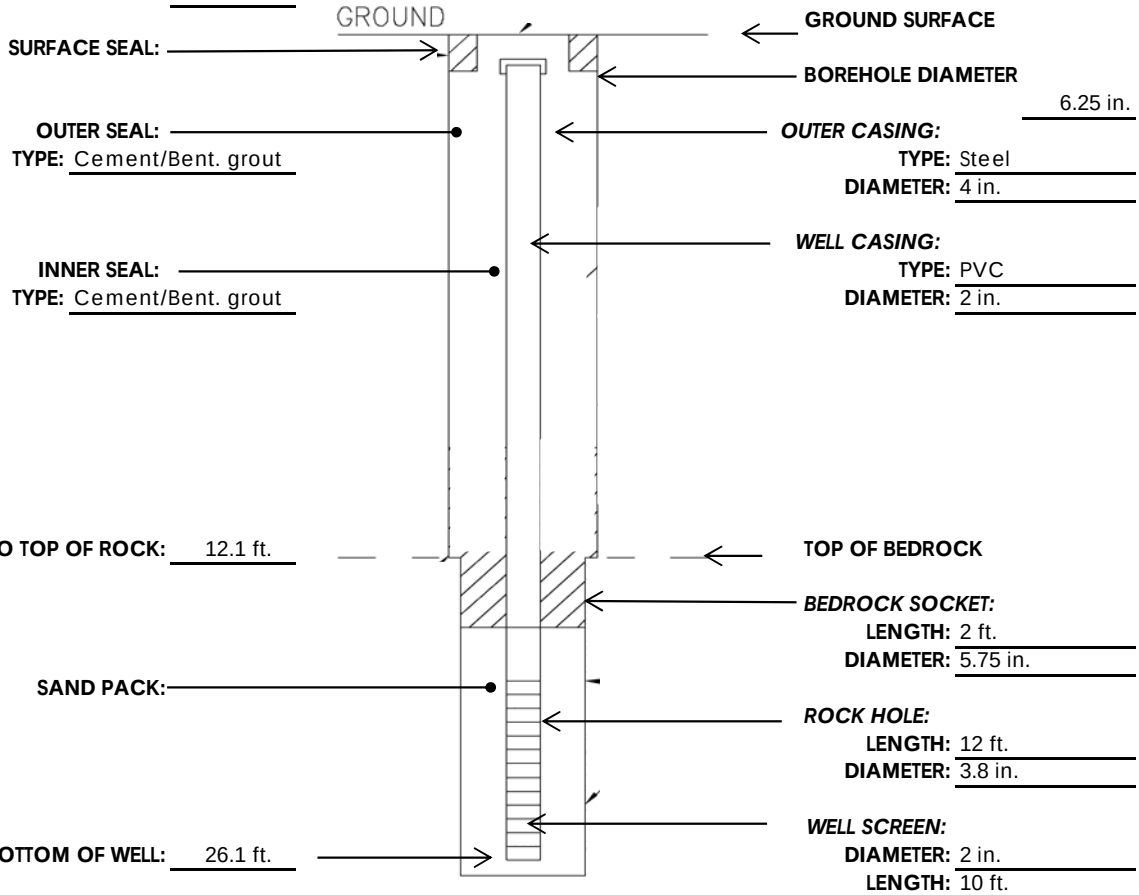
Note:
Depths are referenced below ground surface.

SCREEN LENGTH:	10 ft	REMARKS:	Well to be finished with a flush-mount curb box when final grade is established.
WELL CASING LENGTH:	16.95 ft		
TOTAL LENGTH:	26.95 ft		

MONITORING WELL COMPLETION REPORT - BEDROCK

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

PROJECT NAME:	Carriage Factory	**HOLE DESIGNATION :**	**B102-MW**
PROJECT NUMBER:	190500751	**DATE COMPLETED:**	4/23/2013
CLIENT:	DePaul	**DRILLING METHOD:**	Direct Push / Rotary
LOCATION:	33 Litchfield St	**DRILLER/STANTEC REP:**	Nothnagle



Note:
Depths are referenced below ground surface.

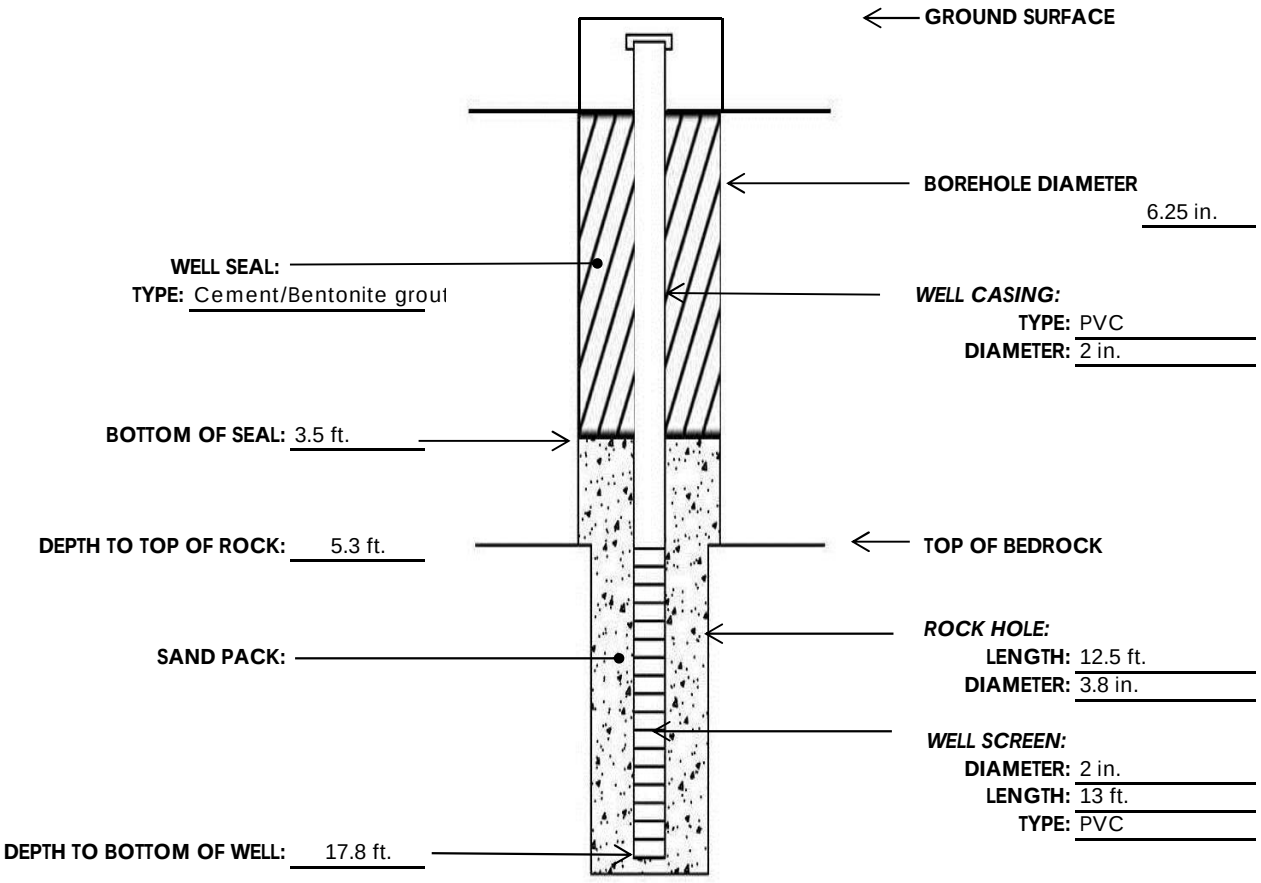
SCREEN LENGTH:	10 ft	REMARKS:	Well to be finished with a flush-mount curb box
WELL CASING LENGTH:	16.1 ft		when final grade is established.
TOTAL LENGTH:	26.1 ft		

MONITORING WELL COMPLETION REPORT - BEDROCK

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

PROJECT NAME:	Carriage Factory	**HOLE DESIGNATION :**	**B106-MW**
PROJECT NUMBER:	190500751	**DATE COMPLETED:**	5/2/2013
CLIENT:	DePaul	**DRILLING METHOD:**	Direct Push / Rotary
LOCATION:	33 Litchfield St	**DRILLER/STANTEC REP:**	Nothnagle



Note:
Depths are referenced below ground surface.

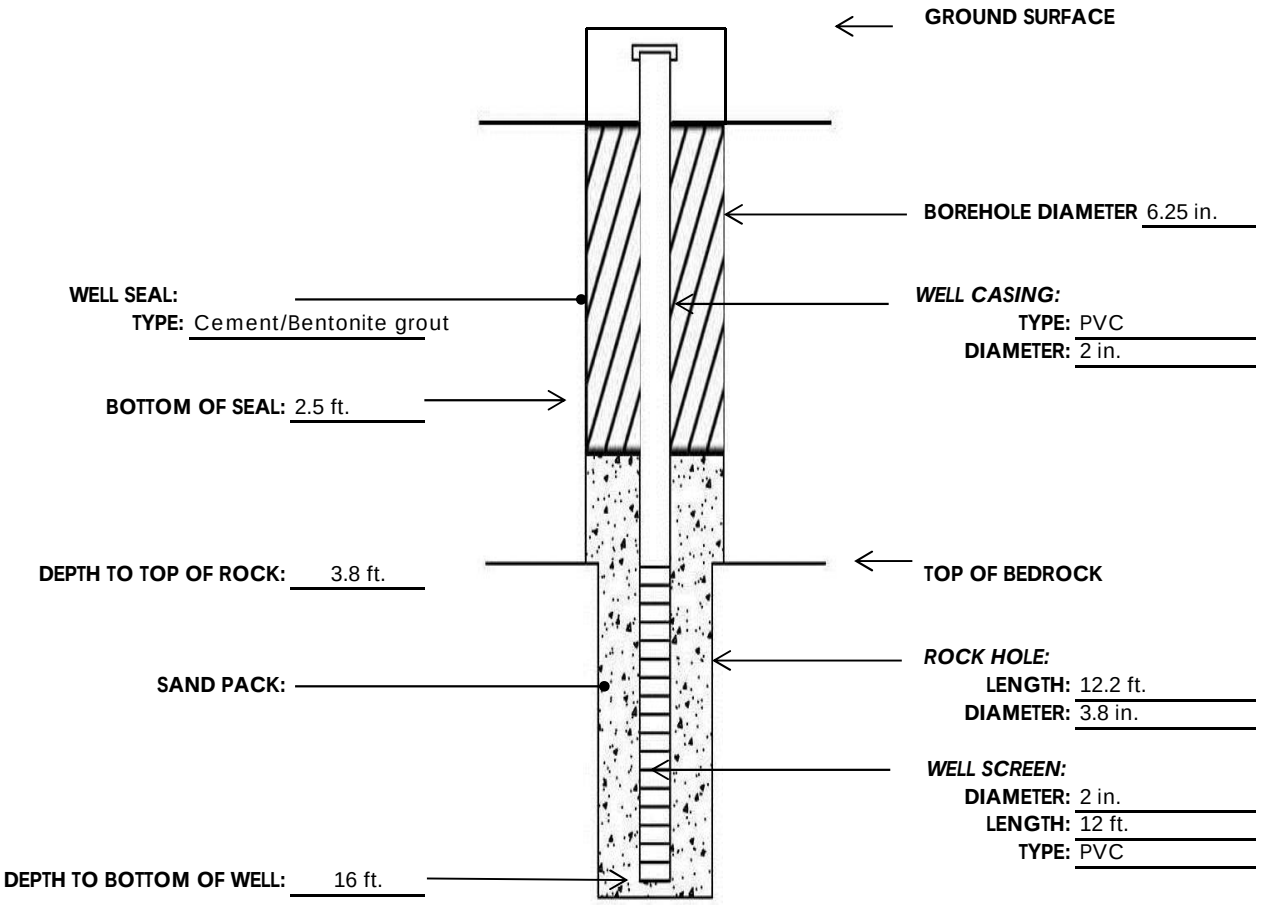
SCREEN LENGTH:	13 ft	REMARKS:	Well to be finished at or below floor level when floor slab is constructed.
WELL CASING LENGTH:	6.2 ft		
TOTAL LENGTH:	19.2 ft		

MONITORING WELL COMPLETION REPORT - BEDROCK

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

PROJECT NAME:	Carriage Factory	**HOLE DESIGNATION :**	**B108-MW**
PROJECT NUMBER:	190500751	**DATE COMPLETED:**	5/3/2013
CLIENT:	DePaul	**DRILLING METHOD:**	Direct Push / Rotary
LOCATION:	33 Litchfield St	**DRILLER/STANTEC REP:**	Nothnagle



Note:
Depths are referenced below ground surface.

SCREEN LENGTH:	12 ft	REMARKS:	Well to be finished at or below floor level when floor slab
WELL CASING LENGTH:	5.25 ft		is constructed.
TOTAL LENGTH:	17.25 ft		

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(716) 655-1717 • FAX (716) 655-2915

5L10b HOLE NO. BW-01-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street, Monitoring Well Installation LOCATION _

City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 03/20/12 COMPLETED 03/21/12

DEPTH IN FT | BLOWS ON SAMPLER | SN | 0/6 | 6/12 | 12/18 | 18/24 | N | LITH | DESCRIPTION AND CLASSIFICATION | WELL (1) | WATER TABLE AND REMARKS

Gray concrete.

0.5

Advanced bore hole without split spoon sampling to auger refusal at 3.3 feet.

3.3

Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, highly fractured to 4.5 feet, moderately fractured below, slightly porous with an occasional pit and vug.

14.0

Coring completed at 14.0 feet.

(1) Flush-mounted well box with J-plug in riser

(2) BENTONITE SEAL

(3) 2" SCHEDULE 40 FJT RISER

← 3.4'

← 4.0'

.010 SLOT 2" PVC SCREEN

#00N SIZE MORIE SAND PACK

Note: Advanced bore hole without split spoon sampling to 3.3 feet with 4 1/4 inch ID x 8 inch OD hollow stem auger casing. Installed 3" flush joint casing and removed augers. Cored below with NQ-2 size core barrel and diamond bit to 14.0 feet. Installed a 2 inch PVC monitoring well in completed bore hole.

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.

Moderately hard: can be etched with knife with some effort.

14.0'

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	3.3 to 6.2	2.9	2.6	90	52
2	6.2 to 9.0	2.8	2.5	89	73
3	9.0 to 14.0	5.0	5.0	100	72

N=NUMBER OF BLOWS TO DRIVE N/A SPOON N/A" WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw) SHEET 1 OF 1

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5L10b HOLE NO. BW-02-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street, Monitoring Well Installation LOCATION _
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 03/21/12 COMPLETED 03/21/12

DEPTH IN FT | BLOWS ON SAMPLER | SN | 0/6 | 6/12 | 12/18 | 18/24 | N | LITH | DESCRIPTION AND CLASSIFICATION | WELL | WATER TABLE AND REMARKS

Gray concrete. 0.5

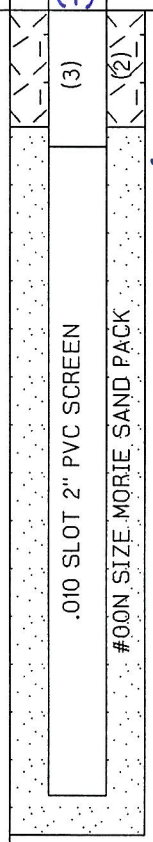
Advanced bore hole without split spoon sampling to auger refusal at 2.0 feet. 2.0

Apparent dolostone bedrock. 3.0

Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, highly broken and fractured including vertical fracture to 4.3 feet, moderately fractured horizontally below, slightly porous with an occasional pit or vug.

12.7

Coring completed at 12.7 feet.



(1) Flush-mounted well box with J-plug in riser

← 1.8'

← 2.1'

(2) BENTONITE SEAL

(3) 2" SCHEDULE 40 FJT RISER

Note: Advanced bore hole to refusal at 2.0 feet without split spoon sampling with 4 1/4 inch ID x 8 inch OD hollow stem auger casing. Advanced bore hole from 2.0 to 3.0 feet with 3 7/8 inch tricone roller bit. Cored below with a NQ-2 size core barrel and diamond bit to 12.7 feet. Installed a 2 inch PVC monitoring well in completed bore hole.

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.
Moderately hard: can be etched with knife with some effort.

← 12.1'

← 12.7'

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	3.0 to 4.0	1.0	.9	90	0
2	4.0 to 7.8	3.8	3.7	97	74
3	7.8 to 12.7	4.9	4.8	98	68

N=NUMBER OF BLOWS TO DRIVE N/A SPOON N/A" WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw) SHEET 1 OF 1

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5L10b HOLE NO. BW-03-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street, Monitoring Well Installation LOCATION _
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 03/22/12 COMPLETED 03/22/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL (1)	WATER TABLE AND REMARKS
								Gray concrete.		
								0.5		
								Advanced bore hole without split spoon sampling to auger refusal at 2.5 feet.		
								2.5		
5								Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, moderate to slightly fractured horizontally with a highly broken and fractured zone from 4.1 to 4.6 feet below ground surrace, slightly porous with an occasional pit and vug.		
10										
								13.9		
15								Coring completed at 13.9 feet.		
20										

(1) Flush-mounted well box with J-plug in riser

← 2.3'

(2) BENTONITE SEAL

← 3.9'

(3) 2" SCHEDULE 40 FJT RISER

.010 SLOT 2" PVC SCREEN

#00N SIZE MORIE SAND PACK

Note: Advanced bore hole to refusal at 2.5 feet without split spoon sampling with 4 1/4 inch ID x 8 inch OD hollow stem auger casing. Continued below with a NQ-2 size core barrel and diamond bit to 13.9 feet. Installed a 2 inch PVC monitoring well in completed bore hole.

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.
Moderately hard: can be etched with knife with some effort.

13.9'

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	2.5 to 5.3	2.8	2.6	93	57
2	5.3 to 9.7	4.4	4.4	100	93
3	9.7 to 13.9	4.2	4.1	98	83

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw) SHEET 1 OF 1

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5L10c HOLE NO. BW-4-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 04/18/12 COMPLETED 04/18/12

DEPTH IN FT | BLOWS ON SAMPLER | SN | 0/6 | 6/12 | 12/18 | 18/24 | N | LITH | DESCRIPTION AND CLASSIFICATION | WELL (1) | WATER TABLE AND REMARKS

Advanced bore hole with 4 1/4 inch ID x 8 inch OD hollow stem auger casing without split spoon sampling to 10.5 feet.

10.5

Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, moderately to slightly fractured horizontally with an occasional high angle fracture, slightly porous with an occasional pit and vug.

Run #1

Run #2

WELL: 2" SCHEDULE 40 FJT PVC RISER; CEMENT/BENTONITE GROUT; (2); .010 SLOT 2" PVC SCREEN; #00N SIZE MORIE SAND PACK

(1) Flush-mounted well box with J-plug in riser

(2) BENTONITE SEAL

Advanced bore hole without split spoon sampling to 10.5 feet over dolostone bedrock to end of coring at 21.5 feet.

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.
Moderately hard: can be etched with knife with some effort.

← 9.0

← 10.8'

← 11.0'

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	10.5 to 16.0	5.5	5.0	91	59
2	16.0 to 21.5	5.5	5.4	98	80

N=NUMBER OF BLOWS TO DRIVE N/A SPOON N/A" WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

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5L10c HOLE NO. BW-4-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _

City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 04/18/12 COMPLETED 04/18/12

DEPTH IN FT | BLOWS ON SAMPLER

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL	WATER TABLE AND REMARKS
	Run	#2					Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, moderately to slightly fractured horizontally with an occasional high angle fracture, slightly porous with an occasional pit and vug. 21.5 Coring completed at 21.5 feet.	(1) (2)	← 21.0' ← 21.5' (1) .010 SLOT 2" PVC SCREEN (2) #00N SIZE MORIE SAND PACK

25

30

35

40

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.

Moderately hard: can be etched with knife with some effort.

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	10.5 to 16.0	5.5	5.0	91	59
2	16.0 to 21.5	5.5	5.4	98	80

Note: Advanced bore hole with 4 1/4 inch ID x 8 inch OD hollow stem auger casing without split spoon sampling to refusal at 10.5 feet. Cored below with NQ-2 size core barrel and diamond bit to 21.5 feet. Installed 2 inch PVC monitoring well in completed bore hole.

Note: lost approximately 100 gallons of water to formation during coring.

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

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5L10c HOLE NO. BW-5-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 04/19/12 COMPLETED 04/19/12

DEPTH IN FT | BLOWS ON SAMPLER

SN REC	0/6	6/12	12/18	18/24	N
1	5				
15		6			12
			6		
				10	
2	11				
19		15			31
			16		
				17	
3	16				
18		17			34
			17		
				100/4	
	Run	#1			
	Run	#2			

LITH

DESCRIPTION AND CLASSIFICATION

Gray asphalt pavement. 0.7

Extremely moist dark gray very gravelly (SILTY-SAND) fill with 40 to 60% mostly angular gravel and very fine to very coarse size sand, little silt, loose, massive soil structure, (SM), (GM). 1.1

Moist brown (SILTY-SAND) fill with little silt, compact, massive soil structure, (SM). 1.6

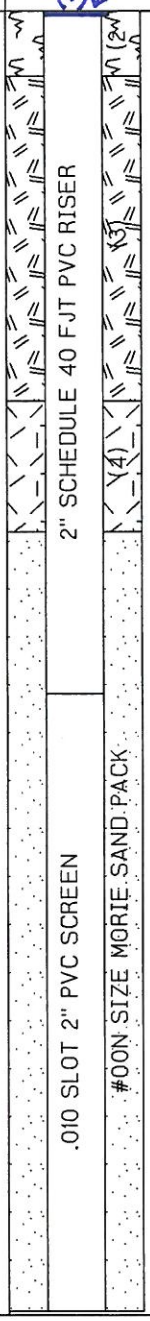
Moist to extremely moist brown (SANDY-SILT) with 3 to 7% gravel, little mostly very fine to fine size sand, compact, weakly blocky soil structure, (ML).

grades downward to 2.0

Extremely moist to wet gray (SILTY-SAND) with 5 to 15% gravel, little silt, compact and dense, massive soil structure, (SM). 7.0

Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, medium hard rock can be easily etched with knife, moderately hard rock can be etched with knife with some effort, moderately fractured horizontally, occasional high angle vertical fracture below 17.5 feet, slightly porous with an occasional pit and vug.

WELL (1)(2)



WATER TABLE AND REMARKS

← 1.0'

(1) 8" FLUSH TO GRADE PROTECTIVE CASING INSTALLED IN SMALL CONCRETE PAD
(2) CONCRETE
(3) CEMENT BENTONITE GROUT
(4) BENTONITE SEAL

← 6.0'

← 8.0'

← 10.5'

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	7.0 to 16.5	9.5	9.2	97	52
2	16.5 to 21.0	4.5	4.4	98	72

Asphalt pavement to 0.7 feet over sand and gravel fill with little silt to 1.1 feet over water sorted and deposited sand with little silt to 1.6 feet over coarse silty slack water sediment with little sand to 2.0 feet over loamy glacial till with trace to little gravel to refusal at 7.0 feet over dolostone bedrock to end of coring.

N=NUMBER OF BLOWS TO DRIVE N/A SPOON N/A" WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

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5L10c HOLE NO. BW-5-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 04/19/12 COMPLETED 04/19/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL	WATER TABLE AND REMARKS
		Run	#2					Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, medium hard rock can be easily etched with knife, moderately hard rock can be etched with knife with some effort, moderately fractured horizontally, occasional high angle vertical fracture below 17.5 feet, slightly porous with an occasional pit and vug.	(1) (2)	← 20.5' ← 21.0'
25								21.0		
								Coring completed at 21.0 feet.		
30										
35										
40										

(1) .010 SLOT 2" PVC SCREEN
(2) #00N SIZE MORIE SAND PACK

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	7.0 to 16.5	9.5	9.2	97	52
2	16.5 to 21.0	4.5	4.4	98	72

Note: Advanced bore hole with continuous split spoon sampling with 4 1/4 in ID x 8 inch OD hollow stem auger casing to refusal at 7.0 feet. Cored below with NQ-2 size core barrel and diamond bit to 17.6 feet. Installed 2 inch PVC monitoring well in completed bore hole.

HEAD SPACE PID READINGS (PPM)
04/19/12

Sample #	Background	PID-PPM
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0

Note: lost approximately 100 gallons of water to formation during coring.

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

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5L10c HOLE NO. BW-6-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _

City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 04/20/12 COMPLETED 04/20/12

DEPTH IN FT	SN REC	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL (1) (2) (3) (4)	WATER TABLE AND REMARKS
								Gray asphalt pavement. 0.4		← 1.0' (1) 8" FLUSH TO GRADE PROTECTIVE CASING INSTALLED IN SMALL CONCRETE PAD (2) CONCRETE
	1	6						Gray concrete. 0.8		← 3.5'
	15		13			26		Extremely moist brownish gray very gravelly (SILTY-SAND) fill with 40 to 60% gravel, very fine to very coarse size sand, little silt, loose, massive soil structure, (SM), (GM). 1.3		(3) CEMENT BENTONITE GROUT (4) BENTONITE SEAL
				13						
					17					
	2	20								
	19		18			34				
				16						
5					100/3			Extremely moist to moist brown (SANDY-SILT) fill with 5 to 15% gravel, little sand, compact, massive soil structure, (ML). 2.0		← 5.5'
								Extremely moist to wet grayish brown gravelly (SILTY-SAND) with 15 to 25% gravel, little silt, dense, massive soil structure, (SM). 5.0		← 7.4'
		Run	#1					Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, medium hard rock can be easily etched with knife, moderately hard rock can be etched with knife with some effort, moderately fractured horizontally with an occasional high angle fracture, slightly porous with an occasional pit and vug.		Asphalt pavement to 0.4 feet over concrete to 0.8 feet over sand and gravel fill with little silt to 1.3 feet over silty soil fill with little sand, trace to little gravel to 2.0 feet over loamy glacial till to refusal at 5.0 feet over dolostone bedrock to end of coring.
10										
										Run # / Depth (ft) / Length (ft) / Rec (ft) / Rec % / RQD % 1 / 5.0 to 12.6 / 7.6 / 7.4 / 97 / 70 2 / 12.6 to 17.6 / 5.0 / 5.0 / 100 / 71
15		Run	#2							
								17.6		← 17.4' 17.6'
								Coring completed at 17.6 feet.		
20										

WELL: 2" SCHEDULE 40 FJT PVC RISER; .010 SLOT 2" PVC SCREEN; #00N SIZE MORIE SAND PACK

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

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5L10c HOLE NO. BW-6-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 04/20/12 COMPLETED 04/20/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL	WATER TABLE AND REMARKS
25										Advanced bore hole with continuous split split spoon sampling with 4 1/4 inch ID x 8 inch OD hollow stem auger casing to refusal at 5.0 feet. Cored below with a NQ-2 size core barrel and diamond bit to 17.6 feet. Installed 2 inch PVC monitoring well in completed bore hole.
30										HEAD SPACE PID READINGS (PPM) 04/20/12
35										Sample # Background PID-PPM 1 0.0 0.0 2 0.0 0.0
40										Note: lost approximately 100 gallons of water to formation during coring.

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw) SHEET 2 OF 2

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5L10d HOLE NO. BW-7-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _

City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 06/11/12 COMPLETED 06/11/12

DEPTH IN FT	SN REC	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N
	1	5	7			36
	2	10				
	18		14	22		
					30	
	3	15				
5	17		32	20		52
					22	
	4	18				
			100/2			
		Run	#1			
15						
		Run	#2			
20						

LITH

DESCRIPTION AND CLASSIFICATION

Dark gray asphalt pavement. 0.4

Gray concrete. 1.0

Extremely moist brown gravelly (SILTY-SAND) fill with 15 to 25% gravel, little silt, compact, massive soil structure, (SM). 2.5

Extremely moist brown gravelly (SILTY-SAND) with 15 to 25% gravel, some silt, dense and very dense, massive soil structure, (SM). 6.1

Gray apparent dolostone bedrock. 7.1

Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, moderately to slightly fractured horizontally, slightly porous with an occasional pit and vug.

18.5

Coring completed at 18.5 feet.

WELL

(1) 2" SCHEDULE 40 PVC RISER

(2) (3) (4)

.010 SLOT 2" PVC SCREEN

#00N SIZE MORIE SAND PACK

WATER TABLE AND REMARKS

← 0.5'

(1) 8" FLUSH TO GRADE PROTECTIVE CASING INSTALLED IN SMALL CONCRETE PAD
(2) CONCRETE
(3) CEMENT BENTONITE GROUT
(4) BENTONITE SEAL

← 4.9'

← 7.1'

← 8.3'

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.
Moderately hard: can be etched with knife with some effort.

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	7.0 to 16.5	9.4	9.3	99	70
2	16.5 to 18.5	2.0	1.9	95	54

← 18.3'

18.5'

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

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5L10d HOLE NO. BW-7-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _

City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 06/11/12 COMPLETED 06/11/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL	WATER TABLE AND REMARKS
										Asphalt pavement to 0.4 feet over concrete to 1.0 feet over sandy soil fill with little to some gravel, little silt to 2.5 feet over loamy glacial till to 6.1 feet over apparent dolostone bedrock to 7.1 feet over dolostone bedrock to end of coring.
25										Note: Advanced bore hole with 4 1/4 inch ID x 8 inch OD hollow stem auger casing with continuous split spoon sampling to auger refusal at 7.1 feet. Cored below with a NQ size core barrel and diamond bit to 18.5 feet. Installed a 2 inch PVC monitoring well in completed bore hole.
30										Note: Lost approximately 50 gallons of water to formation during coring.
										Note: Most water loss occured while drilling below 16.5 feet.
35										HEAD SPACE PID READINGS (PPM) 06/11/12 Sample # Background PID-PPM 1 0.0 27.0 2 0.0 45.3 3 0.0 52.0 4 0.0 26.1
										Note: Developed well on 6/12/12 by pumping and surging. Removed 75 gallons of water during development.
40										

N=NUMBER OF BLOWS TO DRIVE 2 * SPOON 12 * WITH 140 lb. WT. FALLING 30 * PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

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5L10d HOLE NO. BW-9-12 SURF. ELEVATION _

PROJECT 33 Litchfield Street LOCATION _

City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 06/06/12 COMPLETED 06/06/12

DEPTH IN FT	SN REC	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL (1)(2)	WATER TABLE AND REMARKS
	1	11						Dark gray asphalt pavement. 0.35		(1) 8" FLUSH TO GRADE PROTECTIVE CASING INSTALLED IN SMALL CONCRETE PAD WITH 2" LOCKING J PLUG OVER PVC RISER
	10		9			14		Moist dark gray very gravelly (SAND) fill with 40 to 60% mostly angular gravel, very fine to very coarse size sand, trace silt, compact in place, loose when disturbed, stratified, (SW), (GW). 1.5		(2) BENTONITE SEAL
				5						Asphalt pavement to 0.35 feet over sand and gravel (mostly crushed stone) fill to 1.5 feet over coarse silty soil fill with little sand, trace gravel and clay to 2.5 feet over coarse silty slack water sediment with some sand, trace to little gravel to 4.0 feet over loamy glacial drift with trace gravel to 7.0 feet over boulder to 8.1 feet over apparent glacial till to 12.1 feet over dolostone bedrock to end of coring.
	2	4								
	18		3			5				
				2						
					6					
	3	5								
5	22		6			11		Extremely moist grayish brown (SANDY-SILT) fill with 3 to 7% gravel, little sand, trace clay, loose, massive soil structure, (ML). 2.5		← 9.3'
				5						Note: Lost approximately 200 gallons of water to the formation during coring.
					4					
	4	2								
			100/4					Extremely moist brown (SANDY-SILT) with 5 to 15% gravel, some mostly very fine to fine size sand, trace clay, loose and compact, weakly blocky soil structure, (ML).		
								grades downward to 4.0		
		Run	#1					Extremely moist faintly mottled brown (SANDY-SILT) with 3 to 7% gravel, some mostly very fine to fine size sand, trace to little clay, loose and compact, weakly thinly bedded to massive soil structure, (ML). 7.0		← 12.8'
10										← 13.2
	5	23								
	5		100/3							
								Boulder. 8.1		
		Run	#2					Apparent glacial till. 11.0		
15								Extremely moist brown gravelly (SILTY-SAND) with 15 to 25% gravel, some silt, very dense with brittle consistence, massive soil structure, (SM). 12.1		
20								See next sheet.		

WELL (1)(2): 2" SCHEDULE 40 FJT PVC RISER; CEMENT-BENTONITE GROUT (2); .010 SLOT 2" PVC SCREEN; #00N SIZE MORIE SAND PACK

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	7.0 to 11.0	4.0	1.1	N/A	N/A
2	12.1 to 16.5	4.4	4.4	100	62
3	16.5 to 23.3	6.8	6.8	97	66

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

EARTH DIMENSIONS, INC.

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

5L10d HOLE NO. BW-9-12 SURF. ELEVATION —

PROJECT 33 Litchfield Street LOCATION —

City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 06/06/12 COMPLETED 06/06/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL	WATER TABLE AND REMARKS
								Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, moderately to slightly fractured horizontally with a vertical fracture 12.1 to 13.1 foot depth, occasional high angle fracture, slightly porous with an occasional pit and vug.	(1) .010 SLOT 2" PVC RISER (2) #00N SIZE MORIE SAND PACK	
								23.3		← 23.3'
								Coring completed at 23.3 feet.		

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.
Moderately hard: can be etched with knife with some effort.

Note: Advanced bore hole with 4 1/4 inch ID x 8 inch OD hollow stem auger casing with continuous split spoon sampling to auger refusal at 7.0 feet. Cored below with NQ size core barrel and diamond bit to 11.0 feet. Sampled 11.0 to 11.8 feet and augered to refusal at 12.1 feet. Continued below with NQ size core barrel and diamond bit to 23.3 feet. Installed a 2 inch PVC monitoring well in completed bore hole.

Note: Developed well on 6/8/12 by pumping and surging. Removed 225 gallons of water during development.

HEAD SPACE PID READINGS (PPM)
06/06/12

Sample #	Background	PID-PPM
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0

N=NUMBER OF BLOWS TO DRIVE 2 * SPOON 12 * WITH 140 lb. WT. FALLING 30 * PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

EARTH DIMENSIONS, INC.
Soil and Hydrogeologic Investigations • Wetland Delineations
1091 Jamison Road • Elma, NY 14059
(716) 655-1717 • FAX (716) 655-2915

5L10d HOLE NO. BW-12-12 SURF. ELEVATION —

PROJECT 33 Litchfield Street LOCATION —
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 06/07/12 COMPLETED 06/07/12

DEPTH IN FT	SN REC	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION
	1	14						Dark gray asphalt pavement. 0.1
	16		5			11		Extremely moist gray very gravelly (SAND) fill with 40 to 60% mostly angular gravel, very fine to very coarse size sand, trace silt, compact in place, loose when disturbed, single grain, (SW), (GW). 1.0
				6				
	2	6						
	20		7			23		
				16				
					22			
	3	12						
5	20		18			35		Extremely moist brown (SILTY-SAND) with 3 to 7% gravel, mostly very fine to fine size sand, some silt, compact, weakly blocky soil structure to weakly thinly bedded, (SM). 3.0
				17				
					20			
	4	20						
			18			39		
				21				
					22			
	5	20						Extremely moist brown (SILTY-SAND) with 5 to 15% gravel, some silt, dense, massive soil structure, (SM). 9.2
			26					
				100/2				Gray apparent dolostone bedrock. 10.8
10								Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, moderately to slightly fractured horizontally, slightly porous with an occasional pit and vug.
		Run	#1					
15								
		Run	#2					
20								

WELL (1) 2

(1) 8" DIAMETER FLUSH TO GRADE PROTECTIVE CASING INSTALLED IN SMALL CONCRETE PAD
(2) CONCRETE
(3) BENTONITE SEAL
2" SCHEDULE 40 FJT PVC RISER
CEMENT BENTONITE GROUT
.010 SLOT 2" PVC SCREEN
#00N SIZE MORIE SAND PACK

WATER TABLE AND REMARKS

← 0.5'

Asphalt pavement to 0.1 feet over mostly crushed stone fill to 1.0 feet over water sorted and deposited sand with some silt to 3.0 feet over loamy glacial till with trace to little gravel to 9.2 feet over apparent dolostone bedrock to 10.8 feet over dolostone bedrock to end of coring.

← 7.5'

← 10.5'

← 11.5'

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.
Moderately hard: can be etched with knife with some effort.

Run #	Depth (ft)	Length (ft)	Rec (ft)	Rec %	RQD %
1	10.8 to 17.4	6.6	6.5	98	58
2	17.4 to 21.5	4.1	4.1	100	71

N=NUMBER OF BLOWS TO DRIVE 2 * SPOON 12 * WITH 140 lb. WT. FALLING 30 * PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

EARTH DIMENSIONS, INC.
Soil and Hydrogeologic Investigations • Wetland Delineations
1091 Jamison Road • Elma, NY 14059
(716) 655-1717 • FAX (716) 655-2915

5L10d HOLE NO. BW-12-12 SURF. ELEVATION —

PROJECT 33 Litchfield Street LOCATION —
City of Rochester, Monroe Co., NY

CLIENT Development & Environmental Consultants, Inc. DATE STARTED 06/07/12 COMPLETED 06/07/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WELL	WATER TABLE AND REMARKS
		Run	#2					Gray dolostone bedrock, effervesces when etched, medium hardness to moderately hard, moderately to slightly fractured horizontally, slightly porous with an occasional pit and vug.	(1) (2)	(1) .010 SLOT 2" PVC SCREEN (2) #00N SIZE MORIE SAND PACK ← 21.5'
								21.5 Coring completed at 21.5 feet.		
25										
30										
35										
40										

EDI Bedrock Hardness Classification

Medium hardness: can be easily etched with knife.
Moderately hard: can be etched with knife with some effort.

Note: Advanced bore hole with 4 1/4 inch ID x 8 inch OD hollow stem auger casing with continuous sampling to auger refusal at 10.8 feet. Continued below with NQ size core barrel and diamond bit to 21.5 feet. Installed a 2 inch PVC monitoring well in completed bore hole.

Note: Lost approximately 50 gallons of water to the formation during coring.

Note: Developed well on 6/8/12 by pumping and surging. Removed 75 gallons of water during development.

HEAD SPACE PID READINGS (PPM)
06/07/12

Sample #	Background	PID-PPM
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.7
5	0.0	0.0

N=NUMBER OF BLOWS TO DRIVE 2 * SPOON 12 * WITH 140 lb. WT. FALLING 30 * PER BLOW

LOGGED BY Brian R. Bartron, Geologist, (mw)

APPENDIX D

Monroe County Department of Environmental Services
Sewer use Permit

Department of **Environmental Services**

Monroe County, New York

Maggie Brooks
County Executive

Michael J. Garland, P.E.
Director

July 21, 2014

Mr. James M. Whalen
Carriage Factory Apt
1931 Buffalo Rd
Rochester, NY 14624

Re: Sewer Use Permit

Dear Mr. James M. Whalen:

Attached you will find your Sewer Use Permit No. 996 , which will expire on July 30, 2017. Prior to expiration, we will mail you a renewal application.

This issue of the above permit is in compliance with the requirements of Section 6.1 of the Monroe County Sewer Use Law. In no way does it imply that you have complied with all present regulations. During the next six (6) months, a representative from the Industrial Waste Section may inspect your premises and sample the industrial wastewater discharge. If there should be any violations, you will be notified by mail.

If you have any questions regarding the permit, please call Sean Keenan at (585) 753-7658.

CK #0767

INITIAL SEWER USE PERMIT

County of Monroe Pure Waters District No. 8575 Permit No: 996

Expires: 7/31/2017

Fee: $125.00

Firm Name Carriage Factory Special Needs Apartments, L.P.

Address 1931 Buffalo Road

Rochester, New York 14624

Type of Business or Service Not-for-profit health services living facilities

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated June 18, 2014 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. _____

B. _____

C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.

2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers listed in Exhibit "B". The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in Exhibit "B" or (2) new wastes that were not listed in Exhibit "B".

3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.

4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.

5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.

6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) James M. Whalen, CFSNA Phone 585-719-3170

Applicant's Signature _____ Date 6/19/14

Applicant's Title CFO/Treasurer

Emergency Contact Michael P. Storonsky Phone 585-298-2386

Renewal Approved by: _____ Issued this 21 day of July 2014.

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters

COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE

Carriage Factory Special Needs Apartments
33 Litchfield Street
Rochester, NY

PERMIT NUMBER: 996
DISTRICT NUMBER: 8575

TYPE OF BUSINESS: Living Facilities

SAMPLE POINT: IWC- 996.1 – Elevator Sump

REQUIRED MONITORING & EFFLUENT LIMITS

SAMPLE POINT: IWC- 996.1 – Elevator Sump

SELF MONITORING FREQUENCY: 1. QUARTERLY

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health, approved method is acceptable. All analysis must be performed using wastewater testing methods. A grab sample, collected from the above noted sample point, must be analyzed for the following:

Metals	**Limit mg/l**
Cadmium(Cd)	1.0
Copper(Cu)	3.0
Lead(Pb)	1.0
Zinc(Zn)	5.0

*Halogenated Volatile Organic Compounds (VOC's)

***The summation of the VOC's that are detected at or greater than 10 µg/L cannot exceed 2.13 mg/L.**

SPECIAL CONDITIONS:

1. Quarterly flow summaries shall be submitted to keep track of the volume of water being discharged. It is imperative these summaries are submitted in a timely manner.

7-16-2014

TERMS AND CONDITIONS

GENERAL REQUIREMENTS:

A. The permittee agrees to accept and abide by all provisions of the Sewer Use Law of Monroe County(MCSUL) and of all pertinent rules or regulations now in force or shall be adopted in the future.

B.1 In addition to the parameters/limits outlined, the total facility discharge shall meet all other concentration values as described in Article II, Section 10e of the Monroe County Pure Waters Districts, Rules and Regulations-Sewer Use Law of the County of Monroe.

B.2 Included in Article II, Section 10e, is the definition of "Normal Sewage". "Normal Sewage" may be discharged to the sewer system in excess of the concentrations outlined in the Joint Rules and Regulations, however, the facility will be subject to the imposition of a sewer surcharge and possible self monitoring requirements as a result. Surcharging procedures are outlined in Article X of the MCSUL.

B.3 Regulatory sampling for analytes not specified under "required monitoring" shall be conducted by the Industrial Waste Section at a minimum frequency of once every three (3) years.

C. This permit is not assignable or transferable. The permit is issued to a specific user and location.

D. Per Article VIII, Section 8.11 of the MCSUL, a violation by the permittee of the permit conditions may be cause for revocation or suspension of the permit after a Hearing by the Administrative Board, or if the violation is found to be within the emergency powers of the Director under Sections 4.5 or 5.5. The revocation is immediate upon receipt of notice to the Industrial User, however a Hearing shall be held as soon as possible.

E. As provided under Article VIII, Section 8.1, the Director and his duly authorized representatives shall gain entry on to private lands by permission or duly issued warrant for the purpose of inspection, observation, measurement sampling and testing in accordance with the provisions of this law and its implementing Rules and Regulations. The Director or his representatives shall not have authority to inquire into any processes used in any industrial operation beyond that information having a direct bearing on the kind and source of discharge to the sewers or the on-site facilities for waste treatment. While performing the necessary work on private lands, referred to above, the Director or his duly authorized representative shall observe all safety rules applicable to the premises as established by the owner and/or occupant.

SPECIAL CONDITION:

A. All required monitoring shall be analyzed by a New York State Department of Health certified laboratory. All sampling and analysis must be performed in accordance with Title 40 Code of Federal Regulations Part 136.

B. The pH range for this permit is 5.0 – 12.0 su. This range is specifically permitted by the Director as allowed under Article IV, Section 4.2 of the Monroe County Sewer Use Law. PH must be analyzed immediately.

C. The summation of all Total Toxic Organics(TTO) Compounds as defined in the Code of Federal Regulations (40 CFR part 433.11(e)) with detection levels above 10 ug/l shall not exceed 2.13 mg/l as imposed by the Director under Article IV, Section 4.3 of the Monroe County Sewer Use Law unless Federal limits are more stringent under which the Federal limits will apply.

D. Petroleum Oil and Grease shall not exceed 100 mg/l as imposed by the Director under Article IV, Section 4.3 of the Monroe County Sewer Use Law.

E. Discharges containing Phenolic compounds shall not exceed 2.13 mg/l as imposed by the Director under Article IV, Section 4.3 of the Monroe County Sewer Use Law unless otherwise specified in the permit. These limits are applicable unless Federal limits are more stringent under which Federal limits will apply.

SURCHARGE CONCENTRATIONS:

Concentration and/or characteristics of normal sewage:
"Normal Sewage" shall mean sewage, industrial wastes or other wastes, which when analyzed, show

concentration values with the following characteristics based on daily maximum limits:

a. B. O. D.	300 mg/l
b. Total Suspended Solids	300 mg/l
c. Total Phosphorus, as P	10 mg/l

Annual average concentrations above normal sewage are subject to surcharge as defined in Article X of the sewer use law.

DISCHARGE LIMITATIONS (SEWER USE LIMITS)

Permissible concentrations of toxic substances and/or substances the Department wishes to control:
The concentration in sewage of any of the following toxic substances and/or substances the Department wishes to control shall not exceed the concentration limits specified when discharged into the County Sewer System; metal pollutants are expressed as <u>total</u> metals in mg/l (ppm): the following pollutant limits are based on daily maximum values:

a. Antimony (Sb)	1.0 mg/l
b. Arsenic (As)	0.5 mg/l
c. Barium (Ba)	2.0 mg/l
d. Beryllium (Be)	5.0 mg/l
e. Cadmium (Cd)	1.0 mg/l
f. Chromium (Cr)	3.0 mg/l
g. Copper (Cu)	3.0 mg/l
h. Cyanide (CN)	1.0 mg/l
i. Iron (Fe)	5.0 mg/l
j. Lead (Pb)	1.0 mg/l
k. Manganese (Mn)	5.0 mg/l
l. Mercury (Hg)	0.05 mg/l
m. Nickel (Ni)	3.0 mg/l
n. Selenium (Se)	2.0 mg/l
o. Silver (Ag)	2.0 mg/l
p. Thallium (Tl)	1.0 mg/l
q. Zinc (Zn)	5.0 mg/l

REPORTING REQUIREMENTS:

A. Per the requirements of 40 CFR, Part 403.5, Significant Industrial Users must submit Periodic Reports on Continued Compliance to the Control Authority on a biannual (2/yr) basis. Deadline dates of submission for these reports will be August 15 and February 15, respectively.

B. Discharge monitoring reports shall be submitted to the Control Authority upon receipt from the permittee's testing laboratory.

C. Any Industrial User subject to the reporting requirements of the General Pretreatment Regulations shall maintain records of all information resulting from any monitoring activities required by 403.12 for a minimum of three (3) years. These records shall be available for inspection and copying by the Control Authority. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Industrial User or the operation of the POTW Pretreatment Program or when requested by the Director or the Regional Administrator.

NOTIFICATION REQUIREMENTS:

A. Pursuant to Article VIII, Section 8.4K, the permittee shall notify the Department within 24 hours of becoming aware that discharge monitoring is in violation of any permit limit. This notification shall be

directed to the Industrial Waste Section at 585-753-7600 Option 4. The User shall also repeat sampling and analysis for the analyte in non-compliance and submit the results of the repeat analysis to Monroe County within 30 days after becoming aware of the violation.

B. Notify the Director in writing when considering a revision to the plant sewer system or any change in industrial waste discharges to the public sewers. The later encompasses either an increase or decrease in average daily volume or strength of waste or new wastes.

C. Notify the Director immediately of any accident, negligence, breakdown of pretreatment equipment or other occurrence that occasions discharge to the public sewer of any waste or process waters not covered by this permit.

SLUG CONTROL

An Industrial User shall be required to report any/all slug discharges to the Monroe County sewer system by calling 585-753-7600 option 4. For the purpose of this permit enclosure, a slug discharge shall be identified as any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge. Following a review process, the Control Authority (Monroe County) shall determine the applicability of a facility slug control plan. If the Control Authority decides that a slug control plan is needed, the plan shall contain, at a minimum, the following elements:

1. Description of discharge practices, including non-routine batch discharges.
2. Description of stored chemicals.
3. Procedures for immediately notifying the Control Authority of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow up written notification within five (5) days.
4. If necessary, procedures to prevent adverse impact from accidental spills, including, but not limited to, inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site run-off, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents) and/or measures and equipment for emergency purposes.

SNC DEFINITION:

In accordance with 40 CFR 403.8 (f) (vii), an Industrial User is in significant noncompliance (SNC) if its violations meet one or more of the following criteria:

A. Chronic violations of wastewater discharge limits – defined as those which 66% or more of all the measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter. This criteria does NOT apply to the following Monroe County surchargeable parameters: Biochemical Oxygen Demand, Total Suspended Solids, Chlorine Demand and Total Phosphorus (ref. Article X – Monroe County Sewer Use Law).

B. Technical review criteria (TRC) violations – defined as those in which 33% or more of all the measurements for each pollutant parameter taken during a six month period equal or exceed the product of the daily maximum limit or the average limit times the applicable TRC. This criteria does NOT apply to the following Monroe County surchargeable parameters: Biochemical Oxygen Demand, Total Suspended Solids, Chlorine Demand and Total Phosphorus (ref. Article X – Monroe County Sewer Use Law).

C. Any other violation of a pretreatment effluent limit (daily maximum or longer-term average) that the Control Authority determines has caused, alone or in combination with other discharges, interference or pass-through (including endangering the health or POTW personnel or the general public).

D. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (t)(1)(vi)(8) of 40 CFR part 403 to prevent such a discharge.

E. Failure to meet, within 90 days after the scheduled date, a compliance schedule milestone contained in a local control mechanism or enforcement order, for starting construction, completing construction or attaining final compliance.

F. Failure to provide, within 30 days after the due date, required reports such as BMRs, 90 day compliance reports, period reports on continued compliance.

G. Failure to accurately report noncompliance.

H. Any other violation or group of violations that the Control Authority determines will adversely affect the operation and implementation of the local Pretreatment Program.

PENALTIES

Should the facility be considered in Significant Non-Compliance (SNC), based on the above mentioned criteria, the minimum enforcement response by Monroe County will be the publication of the company name in the Gannett Rochester newspaper. The company will be published as an Industrial User in Significant Non-Compliance (SNC). Fines and criminal penalties may follow this publication (ref. Article XII – Monroe County Sewer Use Law).

Nothing in this permit shall be construed to relieve the permittees from civil/criminal penalties for noncompliance under Article XII, Section 12.1(D) of the Sewer Use Law of the County of Monroe. Article XII, Section 12.1(D) provides that any person who violates a permit condition is subject to a civil penalty not to exceed $10,000 for any one case and an additional penalty not to exceed $10,000 for each day of continued violation.

SUMP INSPECTION and SAMPLING FORM

Carriage Factory Special Needs Apartments
33 Litchfield Street, Rochester, NY
BCP Site # C828184

DATE: _____

Sampler name(s) and company:_____

Confirm operation of sump pump?_____

General observations of sump and cover:_____

_____

Observations of sump water (i.e. color and odors):_____

_____

Sump flow meter reading: _____

Sump purge date and time: _____

Sample date and time: _____

Sampling method: _____

_____

_____

Sample container type: _____

Sample parameters: _____

Laboratory: _____

Comments: _____

_____

_____

APPENDIX E

Health and Safety Plan

Health and Safety Plan

Brownfield Cleanup Program
Site #C828184

Former Carriage Factory
33 Litchfield Street
Rochester, Monroe County, New York

Prepared on behalf of:
Carriage Factory Special
Needs Apartments, L.P.
1931 Buffalo Road
Rochester, New York 14624

Prepared by:
Stantec Consulting Services Inc.
61 Commercial Street Suite 100
Rochester, New York 14614

August 2014

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1.0 INTRODUCTION

The following Health and Safety Plan (HASP) describes personal safety protection standards and procedures to be followed by Stantec staff during planned Remedial Investigation activities at the Former Carriage Factory site located at 33 Litchfield Street in the City of Rochester, Monroe County, New York (Figure 1). This work will include a passive soil gas survey, drilling activities and associated soil sampling and monitoring well installation, groundwater sampling, and hydraulic conductivity testing.

This HASP establishes mandatory safety procedures and personal protection standards pursuant to the Occupational Safety and Health Administration (OSHA) regulations 29 Code of Federal Regulations (CFR) 1910.120. The HASP applies to all Stantec personnel conducting any site work, as defined in 29 CFR 1910.120(a). All personnel involved in the mentioned activities must familiarize themselves with this HASP, comply with its requirements and have completed the required health and safety training and medical surveillance program participation pursuant to 29 CFR 1910.120 prior to beginning any work on site.

THIS HASP IS FOR THE EXPRESS USE OF STANTEC EMPLOYEES. ALL OTHER CONTRACTORS TO BE WORKING IN THE EXCLUSION AREAS ARE REQUIRED BY LAW TO DEVELOP THEIR OWN HASP, AS WELL TO MEET ALL PERTINENT ASPECTS OF OSHA REGULATIONS. STANTEC RESERVES THE RIGHT TO STOP ANY SITE WORK WHICH IS DEEMED TO POSE A HEALTH AND SAFETY THREAT TO ITS STAFF.

1.1 Background

This project is being performed as part of a Brownfield Cleanup Program. The objectives of the proposed project include investigation of site soil, groundwater and soil vapor; utilizing the results from this investigation in order to perform a qualitative exposure assessment; establishing appropriate remedial objectives; and selecting effective remedial alternatives.

The Site is a 1.5±-acre parcel located at 33 Litchfield Street in the City of Rochester, Monroe County, New York (see Site Plan, Figure 2). The property (Tax Parcel No. 120.36-2-20) is currently occupied by a vacant, 5-story brick building. Operations at the Site ceased in approximately 1993 and the site has reportedly been essentially vacant since then. Planned redevelopment of the site is for restricted residential use.

Historical Site operations are reported to have included manufacture of wood trim/accent-related products for the automotive industry, other automotive parts, and clothing washers and dryers. Several “potential Recognized Environmental Conditions” (RECS) were identified during previous site assessments. These included: floor drains with unknown discharge points; abandoned and potentially leaking drums in the basement and on the third floor; and apparent petroleum staining near the loading dock and in the southern portion of the Site. Other environmental concerns were identified that do not necessarily constitute RECs, such as the potential presence of Asbestos-Containing Building Materials, Lead-Based Paint, and PCB-containing light ballasts. Excessive bird excrement was also observed in the building.

Chlorinated volatile organic compounds (CVOCs) including tetrachloroethene (PCE), trichloroethene (TCE), cis- and trans-1,2-dichloroethene (DCE) and vinyl chloride, were detected in samples of soil vapor, soil and groundwater during several rounds of previous investigation at the site. The soil and groundwater data obtained to date indicate a source for at least a portion of the CVOCs observed may exist on the site, since similar compounds were observed in both soil and groundwater. However, the distribution of CVOC concentrations are such that TCE is the primary CVOC in the onsite wells but PCE is the

primary contaminant in the offsite, downgradient well RW-6 located north of the Site. This is strongly suggestive of a separate, offsite VOC source to the north of the 33 Litchfield Street site.

Several metals compounds were detected in soil samples, including aluminum, calcium, copper, iron, magnesium, manganese, lead, mercury nickel and zinc. Several semi-volatile organic compounds, all of which were poly-nuclear aromatic hydrocarbon (PAH) compounds such as benzo(a)pyrene, which are characteristic of samples containing coal ash and cinders, were detected in one soil sample. The concentrations reported are considered typical for naturally-occurring soils in this region and fill soils of the type observed in the site test borings in which ash, cinders, slag, concrete, and other typical urban fill material were noted.

Additional background information on environmental conditions and apparent contaminant impacts at the site is presented in the RI Work Plan.

1.2 Site-Specific Chemicals of Concern

VOCs

The primary VOCs of concern that are documented to be present in the soil and groundwater at the Site are listed in Table 1. Material Safety Data Sheets (MSDSs) for these compounds are presented in HASP Appendix A. The air monitoring action levels will be based on one-half of the current Threshold Limit Valve (TLV) or Permissible Exposure Limit (PEL) for vinyl chloride with a margin of safety built into the action levels to account for the non-specificity of the field monitoring instruments. Exposure limits for less hazardous compounds will be satisfied by meeting the more stringent exposure limits for vinyl chloride. Table 1 summarizes health and safety data for the volatile compounds of primary concern.

Table 1
Health and Safety Data for Volatile Contaminants of Concern

Compound	PEL/ TWA	Physical Description	Odor Threshold	Route of Exposure	Symptoms	Target Organs
cis- 1,2-Dichloroethene (cis-1,2-DCE)	200 ppm	Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor	19.1 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; central nervous system depression	Eyes, respiratory system, central nervous system
Tetrachloroethene (aka Perchloroethene [PCE])	100 ppm	Colorless liquid with a mild chloroform-like odor	6.17 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, liver, kidneys, central nervous system
Trichloroethylene (TCE)	100 ppm	Colorless liquid with a chloroform-like odor	1.36 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]	Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system
Vinyl chloride	1 ppm	Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations.	0.253 ppm	inhalation, skin, and/or eye contact (liquid)	Lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]	Liver, central nervous system, blood, respiratory system, lymphatic system

Notes:
PEL - permissible exposure limits
TWA - time weighted average, 8-hour workday
mg/m^3 - milligrams per cubic meter.
ppm - parts per million, in air

2.0 STANTEC PERSONNEL ORGANIZATION

The following Stantec personnel will be involved in health and safety operations at the Former Allegany Bitumens Belmont Asphalt Plant Site:

2.1 Project Manager

Mr. Michael Storonsky, Managing Principal, is the Project Manager. Mr. Storonsky is responsible for ensuring that all Stantec procedures and methods are carried out, and that all Stantec personnel abide by the provisions of this Health and Safety Plan.

2.2 Site Safety Officer/Field Team Leader

Mr. Ben Haravitch will serve as the field team leader (FTL) and Site Safety Officer (SSO) during this project. The FTL/SSO will report directly to the Project Manager and will be responsible for the implementation of this HASP as well as daily calibration of Stantec's safety monitoring instruments. The FTL/SSO will keep a log book of all calibration data and instrument readings for the Site.

2.3 Health and Safety Coordinator

Mr. Robert Mahoney will be the Health and Safety Coordinator. Mr. Mahoney will be responsible for overall coordination of Health and Safety issues on the project.

2.4 Daily Meetings

Stantec personnel working within the exclusion zone will be required to read this document and sign off on the daily safety meeting form presented in HASP Appendix B.

3.0 MEDICAL SURVEILLANCE REQUIREMENTS

3.1 Introduction

A. Hazardous waste site workers can often experience high levels of physical and chemical stress. Their daily tasks may expose them to toxic chemicals, physical hazards, biologic hazards, or radiation. They may develop heat stress while wearing protective equipment or working under temperature extremes, or face life-threatening emergencies such as explosions and fires. Therefore, a medical program is essential to: assess and monitor worker's health and fitness both prior to employment and during the course of the work; provide emergency and other treatment as needed; and keep accurate records for future reference. In addition, OSHA requires a medical evaluation for employees that may be required to work on hazardous waste sites and/or wear a respirator (29 CFR Part 1910.120 and 1910.134), and certain OSHA standards include specific medical surveillance requirements (e.g., 29 CFR Part 1926.62, Part 1910.95 and Parts 1910.1001 through 1910.1045).

3.2 Medical Examinations

A. All Stantec personnel working in areas of the site where site-related contaminants may be present shall have been examined by a licensed physician as prescribed in 29 CFR Part 1910.120, and determined to be medically fit to perform their duties for work conditions which require respirators. Employees will be provided with medical examinations as outlined below:

- Pre-job physical examination
- Annually thereafter if contract duration exceeds 1 year;
- Termination of employment;
- Upon reassignment in accordance with CFR 29 Part 1910.120(e)(3)(i)(C);
- If the employee develops signs or symptoms of illness related to workplace exposures;
- If the physician determines examinations need to be conducted more often than once a year; and
- When an employee develops a lost time injury or illness during the Contract period.

B. Examinations will be performed by, or under the supervision of a licensed physician, preferably one knowledgeable in occupational medicine, and will be provided without cost to the employee, without loss of pay and at a reasonable time and place. Medical surveillance protocols and examination and test results shall be reviewed by the Occupational Physician.

4.0 ON-SITE HAZARDS

4.1 Chemical Hazards

The primary potential chemical hazards on-site are expected to be exposure to the VOCs detailed in Table 1. Material safety data sheets for the documented VOCs are presented in Appendix A.

The soil and groundwater contaminants are volatile; therefore, any activity at the site which causes physical disturbance of the soil can potentially allow the release of contaminants into the air. For volatiles, this can include release of organic vapors into the air. Such an occurrence may be recognized by noticeable chemical odors. Field personnel should be aware of the odor threshold for these chemicals and their relation to the action levels and Permissible Exposure Limits.

Symptoms of overexposure to primary compounds of concern are detailed in Table 1. To prevent exposure to these chemicals, dermal contact will be minimized by using disposable surgical gloves with work gloves (as appropriate) when handling soil, groundwater equipment or samples. Real time, breathing zone levels of total VOCs will be monitored using a portable photoionization detector (PID). If ambient levels exceed action levels, all site activities will be performed using level C personal protection until ambient concentrations dissipate. Where levels exceed 50 ppm, work will cease and the project manager will be notified immediately. Intrusive work may also be halted where required by action levels detailed in the Community Air Monitoring Plan (CAMP), Appendix D of the RI Work Plan.

In addition, depending on seasonal conditions, disturbance of the site soils may cause the particulate contaminants to become airborne as dust. Therefore, particulates will be monitored as discussed in Section 6.1 and dust-suppression methods used where appropriate as discussed in Section 6.2, or in the CAMP.

Finally, aeration of the groundwater may cause volatilization of chemicals into the air, particularly VOCs. Table 2 summarizes first aid instructions for exposure pathways for the compounds of concern.

Table 2
Exposure Pathways and First Aid Response for Contaminants of Concern

Substance	Exposure Pathways	First-Aid Instructions
VOCs listed in Table 1	Eye	irrigate immediately
	Dermal	soap wash promptly (soap flush immediately for 1,1-DCE)
	Inhalation	respiratory support
	Ingestion	medical attention immediately

4.2 Physical Hazards

Hazards typically encountered at construction sites with drilling and excavation activities will be a concern at this site. These hazards include slippery ground surfaces, holes, and operation of heavy machinery and equipment. Field team members will wear the basic safety apparel such as steel-toed shoes, hard hat and safety glasses during all appropriate activities.

Under no circumstances will Stantec personnel approach the borehole during active drilling operation. All field personnel working around the rig will be shown the location and operation of kill switches, which are to be tested daily.

Multi-purpose fire extinguishers, functional and within annual inspection period, will be staged and readily accessible for use.

The use of electrical equipment in any established exclusion zones will be limited to areas verified as containing non-explosive atmospheres (<10% LEL) prior to operation, unless the equipment has been previously demonstrated or designed to be FM or UL rated as intrinsically safe. Care will be taken to avoid an ignition source while working in the presence of vapors.

The driller shall make all necessary contacts with utilities and/or underground utility locator hotlines prior to drilling, and shall meet OSHA requirements for distances between the drilling rig and overhead utilities. No drilling work will be carried out where the drill rig chassis has not been stabilized and the rig is not to be moved between locations with its boom in a vertical position.

4.2.1 Noise

The use of heavy machinery/equipment and operation may result in noise exposures, which require hearing protection. Exposure to noise can result in temporary hearing losses, interference with speech communication, interference with complicated tasks or permanent hearing loss due to repeated exposure to noise.

During the investigative activities, all Stantec field team members will use hearing protection when sound levels are in excess of 90 dB TWA.

4.2.2 Heat and Cold Stress Exposure

Heat is a potential threat to the health and safety of site personnel. The Site Safety Officer under the direction of the Project Manager will determine the schedule of work and rest. These schedules will be employed as necessary so that personnel do not suffer adverse effects from heat. Table 3 summarizes exposure symptoms and first aid instructions for heat stress. Non-caffeinated, thirst replenishment liquids will be available on-site.

Cold stress is also a potential threat to the health and safety of site personnel. Symptoms of cold stress include, shivering, blanching of the extremities, numbness or burning sensations, blue, purple or gray discoloration of hands and feet, frostbite, hypothermia, and loss of consciousness. Cold stress can be prevented by acclimatizing one's self to the cold, increasing fluid intake, avoiding caffeine and alcohol, maintaining proper salt and electrolyte intake, eating a well-balanced diet, wearing proper clothing, building heated enclosures to work in, and taking regular breaks to warm up. If any of the above symptoms are encountered the person should be removed from the cold area. Depending on the severity of the cold stress, 911 should be contacted and first aid administered. No fluids should be given to an unconscious person.

Table 3
Exposure Symptoms and First Aid for Heat Exposure

Hazard	Exposure Symptoms	First-Aid Instructions
Heat Stress	Fatigue, sweating, irritability	rest; take fluids
	Dizziness, disorientation, perspiration ceases, loss of consciousness	remove from hot area, activate 911, administer first aid, no fluids to be administered to unconscious victim.

4.2.3 Roadway Hazards

Field activities are planned to take place near active roadways. Where such work zones are established, personnel shall assure that protective measures including signage, cones, and shielding through use of vehicles parked at workmen perimeter, are in place. All contractors shall be responsible for meeting signage requirements of DOT. Fluorescent safety vests shall be worn by all personnel during activities in or adjacent to roadways and driveways.

4.2.4 Electrical Work

Site work involving electrical installation or energized equipment must be performed by a qualified electrician. All electrical work will be performed in accordance with the OSHA electrical safety requirements found in 29 CFR 1926.400 through 1926.449. Workers are not permitted to work near electrical power circuits unless the worker is protected against electric shock by de-energizing and grounding the circuit or by guarding or barricading the circuit and providing proper personal protective equipment. All electrical installations must comply with NEC regulations. All electrical wiring and equipment used must be listed by a nationally recognized testing laboratory.

All electrical circuits and equipment must be grounded in accordance with the NEC regulations. The path to ground from circuits, equipment, and enclosures will be permanent and continuous. Ground fault circuit interrupters (GFCIs) are required on all 120-volt, single phase, 15- and 20-amp outlets in work areas that are not part of the permanent wiring of the building or structure. A GFCI is required when using an extension cord. GFCIs must be tested regularly with a GFCI tester.

Heavy-duty extension cords will be used; flat-type extension cords are not allowed. All extension cords must be the three-wire type, and designed for hard/extra hard usage. Electrical wire or cords passing through work areas must be protected from water and damage. Worn, frayed, or damaged cords and cables will not be used. Walkways and work spaces will be kept clear of cords and cables to prevent a tripping hazard. Extension cords and cables may not be secured with staples, hung from nails, or otherwise temporarily secured. Cords or cables passing through holes in covers, outlet boxes, etc., will be protected by bushings or fittings.

All lamps used in temporary lighting will be protected from accidental contact and breakage. Metal shell and paper-lined lamp holders are not permitted. Fixtures, lamp holders, lamps, receptacles, etc. are not permitted to have live parts. Workers must not have wet hands while plugging/unplugging energized equipment. Plugs and receptacles will be kept out of water (unless they are approved for submersion).

4.2.5 Lock-Out/Tag-Out

Before a worker sets up, services, or repairs a system where unexpected energizing (or release of stored energy) could occur and cause injury or electrocution, the circuits energizing the parts must be locked-out and tagged. Only authorized personnel will perform lock-out/tag-out procedures. All workers affected by the lock-out/tag-out will be notified prior to, and upon completion of, the lock-out/tag-out procedure.

Lock-out/tag-out devices must be capable of withstanding the environment to which they are exposed. Locks will be attached in such a way as to prevent other personnel from operating the equipment, circuit, or control, or from removing the lock unless they resort to excessive force. Tags will identify the worker who attached the device, and contain information, which warns against the hazardous condition that will result from the system's unauthorized start-up. Tags must be legible and understood by all affected workers and incidental personnel. The procedures for attaching and removing lock-out/tag-out devices include the steps outlined in the following table.

If maintenance work is required, the electrical supply to the equipment must be disconnected. Turning off the MAIN breaker using the disconnect switch will disconnect all power to the system. Once the disconnect switch has been turned off, the switch will be locked-out using the steps outlined below.

STEP	LOCK-OUT/TAG-OUT PROCEDURES
1	Disconnect the circuits and/or equipment to be worked on from all electrical energy sources.
2	Ensure that the system is completely isolated so that it cannot be operated at that shut-off point or at any other location.
3	Release stored electrical energy.
4	Block or relieve stored non-electrical energy.
5	Place a lock on each shut-off or disconnect point necessary to isolate all potential energy sources. Place the lock in such a manner that it will maintain the shut-off/disconnect in the off position.
6	Place a tag on each shut-off or disconnect point. The tag must contain a statement prohibiting the unauthorized re-start or re-connect of the energy source and the removal of the tag, and the identity of the individual performing the tag and lock-out.
7	Workers who will be working on the system must place their own lock and tag on each lock-out point.
8	A qualified person must verify the system cannot be re-started or re-connected, and de-energization of the system has been accomplished.

Once the service or repairs have been made on the system:	
1	A qualified person will conduct an inspection of the work area, to verify that all tools, jumpers, shorts, grounds, etc., have been removed so that the system can then be safely re-energized.
2	All workers stand clear of the system.
3	Each lock and tag will be removed by the worker who attached it. If the worker has left the site, then the lock and tag may be removed by a qualified person under the following circumstances:
	a. The qualified person ensures the worker who placed the lock and tag has left the site; and
	b. The qualified person ensures the worker is aware the lock and tag has been removed before the worker resumes work on-site.

4.2.6 Ladders

One-third of worker deaths in construction result from falls. Many falls occur because ladders are not placed or used safely. Ladder use will comply with OSHA 1926.1053 through 1926.1060, including the following safety requirements.

STEP	PROPER LADDER USE PROCEDURE
1	Choose the right ladder for the task--the proper type and size, with a sufficient rating for the task.
2	Check the condition of the ladder before climbing. • Do not use a ladder with broken, loose, or cracked rails or rungs. • Do not use a ladder with oil, grease, or dirt on its rungs. • The ladder should have safety feet.
3	Place the ladder on firm footing, with a four-to-one pitch.
4	Support the ladder by: • Tying it off; • Using ladder outrigger stabilizers; or • Have another worker hold the ladder at the bottom. If another worker holds the ladder, they must: • Wear a hard hat; • Hold the ladder with both hands; • Brace the ladder with their feet; and • Not look up.
5	Keep the areas around the top and bottom of the ladder clear.
6	Extend the top of the ladder at least 36 inches (3 feet) above the landing.
7	Climb the ladder carefully - facing it - and use both hands. • Use a tool belt and hand-line to carry material to the top or bottom of the ladder. • Wear shoes in good repair with clean soles.
8	Inspect the ladder every day, prior to use, for the following problems: • Rail or rung damage • Broken feet • Rope or pulley damage • Rung lock defects or damage • Excessive dirt, oil, or grease If the ladder fails inspection, it must be removed from service and tagged with a "Do Not Use" sign.

Ladders with non-conductive side rails must be used when working near electrical conductors, equipment, or other sources. Ladders will not be used horizontally for platforms, runways, or scaffolds.

4.2.7 Hand and Power Tools

All hand and power tools will be maintained in a safe condition and in good repair. Hand and power tools will be used in accordance with 29 CFR 1926, Subpart I (1926.300 through 1926.307). Neither Stantec or its subcontractors will issue unsafe tools, and workers are not permitted to bring unsafe tools on-site. All tools will be

used, inspected, and maintained in accordance with the manufacturer's instructions. Throwing tools or dropping tools to lower levels is prohibited. Hand and power tools will be inspected, tested, and determined to be in safe operating condition prior to each use. Periodic safety inspections of all tools will be conducted to assure that the tools are in good condition, all guards are in place, and the tools are being properly maintained. Any tool that fails an inspection will be immediately removed from service and tagged with a "Do Not Use" sign.

Workers using hand and power tools, who are exposed to falling, flying, abrasive, or splashing hazards will be required to wear personal protective equipment (PPE). Eye protection must always be worn when working on-site. Additional eye and face protection, such as safety goggles or face shields, may also be required when working with specific hand and power tools. Workers, when on-site, will wear hard hats. Additional hearing protection may be required when working with certain power tools. Workers using tools, which may subject their hands to an injury, such as cuts, abrasions, punctures, or burns, will wear protective gloves. Loose or frayed clothing, dangling jewelry, or loose long hair will not be worn when working with power tools.

Electric power-operated tools will be double insulated or grounded, and equipped with an on/off switch. Guards must be provided to protect the operator and other nearby workers from hazards such as in-going nip points, rotating parts, flying chips, and sparks. All reciprocating, rotating and moving parts of tools will be guarded if contact is possible. Removing machine guards is prohibited.

Abrasive wheels will only be used on equipment provided with safety guards. Safety guards must be strong enough to withstand the effect of a bursting wheel. Abrasive wheels will not be operated in excess of their rated speed. Work or tool rests will not be adjusted while the wheel is in motion. All abrasive wheels will be closely inspected and ring tested before each use, and any cracked or damaged wheels will be removed immediately and destroyed.

Circular saws must be equipped with guards that completely enclose the cutting edges and have anti-kickback devices. All planer and joiner blades must be fully guarded. The use of cracked, bent, or otherwise defective parts is prohibited. Chain saws must have an automatic chain brake or kickback device. The worker operating the chain saw will hold it with both hands during cutting operations. A chain saw must never be used to cut above the operator's shoulder height. Chain saws will not be re-fueled while running or hot. Power saws will not be left unattended.

Only qualified workers will operate pneumatic tools, powder-actuated tools, and abrasive blasting tools.

4.2.8 Manual Lifting

Back injuries are among the leading occupational injuries reported by industrial workers. Back injuries such as pulls and disc impairments can be reduced by using proper manual lifting techniques. Leg muscles are stronger than back muscles, so workers should lift with their legs and not with their back. Proper manual lifting techniques include the following steps:

STEP	PROPER MANUAL LIFTING PROCEDURE
1	Plan the lift before lifting the load. Take into consideration the weight, size, and shape of the load.
2	Preview the intended path of travel and the destination to ensure there are no tripping hazards along the path.
3	Wear heavy-duty work gloves to protect hands and fingers from rough edges, sharp corners, and metal straps. Also, keep hands away from potential pinch points between the load and other objects.
4	Get the load close to your ankles, and spread your feet apart. Keep your back straight and do not bend your back too far; instead bend at your knees.
5	Feel the weight; test it.
6	Lift the load smoothly, and let your legs do the lifting. If you must pivot, do not swing just the load; instead, move your feet and body with the load.

If the load is too heavy, then do not lift it alone. Lifting is always easier when performed with another person. Assistance should always be used when it is available.

4.2.9 Weather-Related Hazards

Weather-related hazards include the potential for heat or cold stress, electrical storms, treacherous weather-related working conditions, or limited visibility. These hazards correlate with the season in which site activities occur. Outside work will be suspended during electrical storms. In the event of other adverse weather conditions, the Site Safety Officer will determine if work can continue without endangering the health and safety of site personnel.

5.0 SITE WORK ZONES

The following work zones will be physically delineated by Stantec during the investigation activities.

5.1 Control Zones

Control boundaries will be established within the areas of site activities. Examples of boundary zones include the exclusion and decontamination zone. All boundaries will be dynamic, and will be determined by the planned activities for the day. The Field Team Leader will record the names of any visitors to the site.

5.2 Exclusion Zone

The controlled portion of the site will be delineated to identify the exclusion zone, wherein a higher level of personal protective equipment may be required for entry during intrusive activities. The limits of the exclusion zone will be designated at each work location appropriately. A decontamination zone will be located immediately outside the entrance to the exclusion zone. All personnel leaving the exclusion zone will be required to adhere to proper decontamination procedures.

A "super exclusion" zone will be established around the borehole which will not be entered by Stantec personnel at any time during any active drilling, slambar, cathead, silica sand dumping, or other related activities. The drilling contractor will be directed to stop such activity when Stantec site team members have a need to enter this zone.

5.3 Decontamination Zone

The decontamination zone will be located immediately outside the entrance to the exclusion zone on its apparent upwind side, if feasible, and will be delineated with caution tape and traffic cones as needed. This zone will contain the necessary decontamination materials for personnel decontamination. Decontamination procedures are outlined in Section 8.0 of this plan.

6.0 SITE MONITORING/ACTION LEVELS

6.1 Site Monitoring

Field activities associated with drilling, excavation, and sampling may create potentially hazardous conditions due to the migration of contaminants into the breathing zone. These substances may be in the form of mists, vapors, dusts, or fumes that can enter the body through ingestion, inhalation, absorption, and direct dermal contact. Monitoring for VOCs and particulates will be performed as needed to ensure appropriate personal protective measures are employed during site activities.

A separate Community Air Monitoring Plan (CAMP) has also been developed (Appendix D of the Work Plan) to protect the surrounding neighborhood. It is assumed that continuous downwind particulate and VOC monitoring will not be required during indoor drilling and that air monitoring will not be required during the groundwater monitoring events.

The following describes the conditions that will be monitored for during the investigation activities. All background and site readings will be logged, and all instrument calibrations, etc., will be logged.

Organic Vapor Concentrations – During drilling, organic vapors will be monitored continuously in the breathing zone in the work area with a portable photoionization detector (PID), such as a miniRAE Model 2000 with a 10.2 eV lamp. The instrument will be calibrated daily or as per the manufacturer's recommendations. PID readings will be used as the criteria for upgrading or downgrading protective equipment and for implementing additional precautions or procedures.

Split spoons or other soil sampling devices will be monitored using the PID at the time they are opened, with appropriate PPE to be used where soils exhibit measurable volatile organic compound levels.

Particulates - Should subsurface conditions be observed to be dry, Stantec will perform particulate monitoring with a MIE PDM-3 Miniram aerosol monitor (or similar), within the outdoor work area to monitor personal exposures to particulates and to compare work area readings with downwind and upwind readings. The first readings of the day will be obtained prior to the commencement of work to obtain a daily background reading, and the instrument will be zeroed daily and calibrated to manufacturer's specifications. Readings will be recorded every 30 minutes thereafter. If the work area particulate levels exceed the background levels by more than 0.15 mg/m^3, the Contractor will be instructed to implement dust suppression measures.

6.2 Action Levels

During the course of any activity, as long as PID readings in the breathing zone are less than 5 ppm above background, Level D protection will be considered adequate. Level C protection will be required when VOC concentrations in ambient air in the work zone exceed 5 ppm total VOCs above background but remain below 50 ppm total VOCs.

If concentrations in the work zone exceed 50 ppm for a period of 5 minutes or longer, work will immediately be terminated by the Site Safety Officer. Options to allow continued drilling would then be discussed amongst all parties. Supplied-air respiratory protection is generally required for drilling to resume under these conditions. If Level B protection is not used, work may resume in Level C once monitoring concentrations have decreased below 50 ppm and conditions outlined in the CAMP are met.

If the monitoring of fugitive particulate levels within the work area exceeds 0.15 mg/m^3 above background, then the drilling Contractor will be directed to implement fugitive dust control measures which may include use of engineering controls such as water spray at the borehole.

7.0 PERSONAL PROTECTIVE EQUIPMENT

Based on an evaluation of the hazards at the site, personal protective equipment (PPE) will be required for all personnel and visitors entering the drilling exclusion zone(s). It is anticipated that all Stantec oversight work will be performed in Level D. All contractors will be responsible for selection and implementation of PPE for their personnel.

7.1 Protective Clothing/Respiratory Protection:

Protective equipment for each level of protection is as follows:

If PID readings are above 50 ppm, requiring an upgrade to Level B, site work will be halted pending review of conditions and options by Stantec and other involved parties.

When PID readings range between 5 and 50 ppm, upgrade to Level C:

Level C

- Full face, air purifying respirator with organic/HEPA cartridge;
- Disposable chemical resistant one-piece suit (Tyvek or Saranex, as appropriate);
- Inner and outer chemical resistant gloves;
- Hard hat;
- Steel-toed boots; and
- Disposable booties.

When PID readings range between background and 5 ppm use Level D:

Level D

- Safety glasses;
- Steel-toed boots;
- Protective cotton, latex or leather gloves depending on site duties;
- Hard hat; and
- Tyvek coverall (optional).

8.0 DECONTAMINATION

8.1 Personnel Decontamination

For complete decontamination, all personnel will observe the following procedures upon leaving the exclusion zone:

1. Remove disposable outer boots and outer gloves and place in disposal drum.

2. If using a respirator, remove respirator, dispose of cartridges if necessary, and set aside for later cleaning.

3. Remove disposable chemical resistant suits and dispose of in drum.

4. Remove and dispose of inner gloves.

Decontamination solutions shall be supplied at the decontamination zone. The wash solution will consist of water and detergent such as Alconox or trisodium phosphate (TSP), and the rinse solution will consist of clean water.

Contaminated wash solutions shall be collected in drums for disposal. All other disposable health and safety equipment will be decontaminated and disposed of as non-hazardous waste.

8.2 Equipment Decontamination

If equipment is used during field activities, it will be properly washed or steam-cleaned prior to exiting the decontamination zone. Pre- or post-use rinsing using solvents will be done wearing appropriate PPE.

When feasible, monitoring instruments will be either wrapped in plastic or carried by personnel not involved in handling contaminated materials, to reduce the need for decontamination. All instruments will be wet-wiped prior to removal from the work zone.

9.0 EMERGENCY PROCEDURES

The Site Safety Officer will coordinate emergency procedures and will be responsible for initiating emergency response activities. Emergency communications at the site will be conducted verbally and by means of an air or vehicle horn. All personnel will be informed of the location of the cellular telephone and horn. Three blasts on the air or vehicle horn will be used to signal distress.

9.1 List of Emergency Contacts

Ambulance: 911
Hospital: Strong Memorial Hospital, Rochester, NY: (585) 275-2100
Fire Department: 911
Police: 911
Poison Control Center: (585) 222-1222
RG&E Utility Emergency: 911 or (800) 743-1702

9.2 Directions to Hospital

A map presenting directions to the hospital is included in the back of the document (Figure 2). The route shall be reviewed at the initial site safety meeting on site.

9.3 Accident Investigation and Reporting

A. All accidents requiring first aid, which occur incidental to activities onsite, will be investigated. The investigation format will be as follows:

- interviews with witnesses,
- pictures, if applicable, and
- necessary actions to alleviate the problem.

B. In the event that an accident or some other incident such as an explosion or exposure to toxic chemicals occurs during the course of the project, the Project Health and Safety Officer will be telephoned as soon as possible and receive a written notification within 24 hours. The report will include the following items:

- Name of injured;
- Name and title of person(s) reporting;
- Date and time of accident/incident;
- Location of accident/incident, building number, facility name;
- Brief summary of accident/incident giving pertinent details including type of operation ongoing at the time of the accident/incident;
- Cause of accident/incident;
- Casualties (fatalities, disabling injuries), hospitalizations;
- Details of any existing chemical hazard or contamination;
- Estimated property damage, if applicable;
- Nature of damage; effect on contract schedule;
- Action taken to insure safety and security; and
- Other damage or injuries sustained (public or private).

Where reportable injuries, hospitalizations or fatalities occur amongst Stantec personnel, the necessary document required by OSHA will be submitted within timeframes allowed by law.

The accident report form is illustrated in Table 4.

TABLE 4
ACCIDENT REPORT

Project Former Carriage Factory Site Date of Occurrence_____

Location __33 Litchfield Street, Rochester, NY_____
_____

Type of Occurrence: (check all that Apply)

☐Disabling Injury ☐Other Injury
☐Property Damage ☐Equip. Failure
☐Chemical Exposure ☐Fire
☐Explosion ☐Vehicle Accident
☐Other (explain)_____
_____

Witnesses to Accident/Injury:

_____ _____
_____ _____
_____ _____

Injuries:
Name of Injured _____

What was being done at the time of the accident/injury?

_____
_____

What corrective actions will be taken to prevent recurrence? _____
_____
_____

SIGNATURES

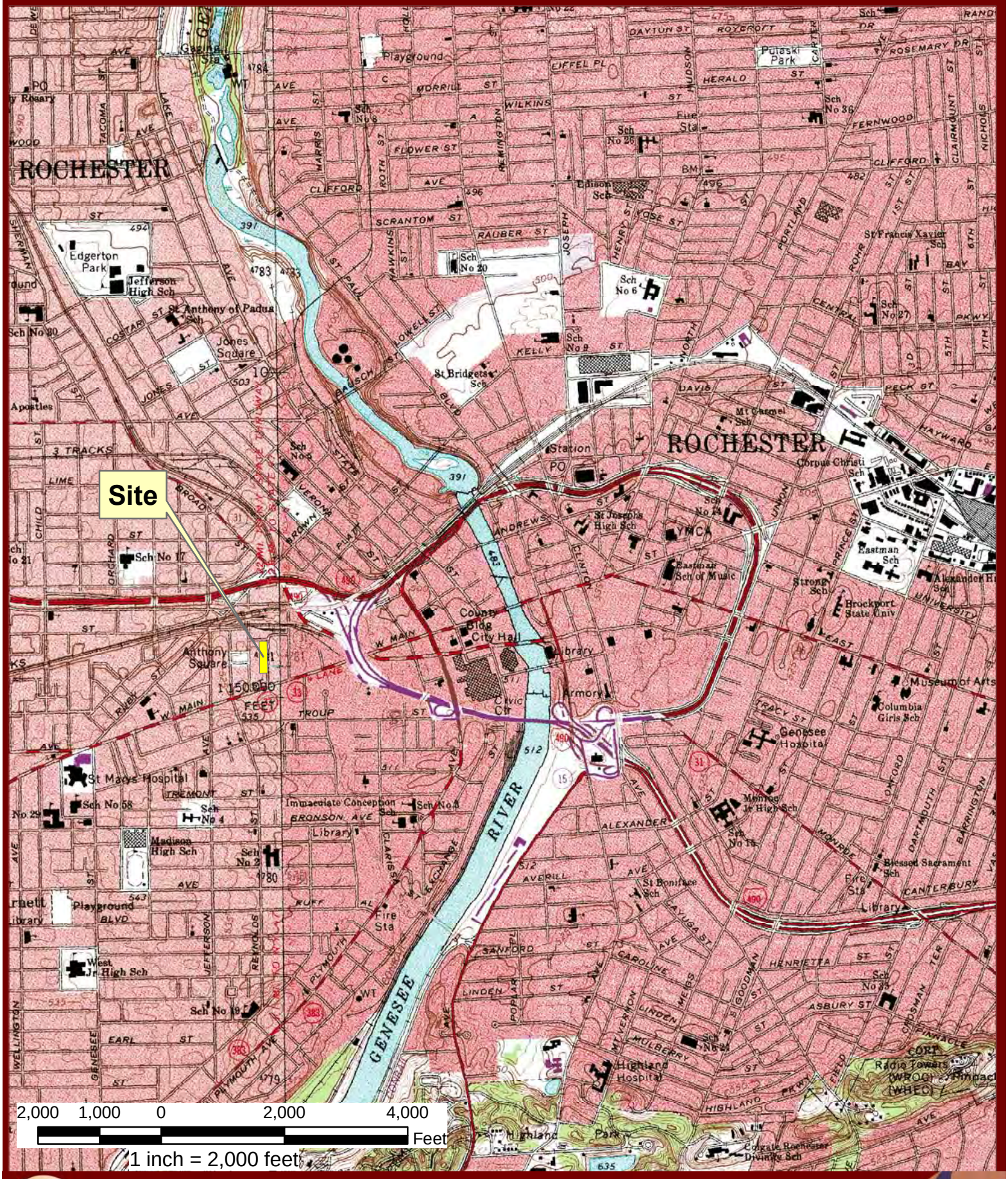
Health and Safety Officer _____ Date _____

Project Manager _____ Date _____

Reviewer _____ Date _____

Comments by reviewer _____
_____
_____

FIGURES



Geographic Information Systems

Cartographic Design By: Andrew Less

Path: U:\190500751\drawing\CAD\RI Figures\Figure 1 Site Loca

Stantec Consulting Services
61 Commercial Street
Rochester , NY 14614

Reference Souce :
USGS Quadrangles from NYSGIS :
Rochester East / Rochester West

N

Figure 1 - Site Location Map

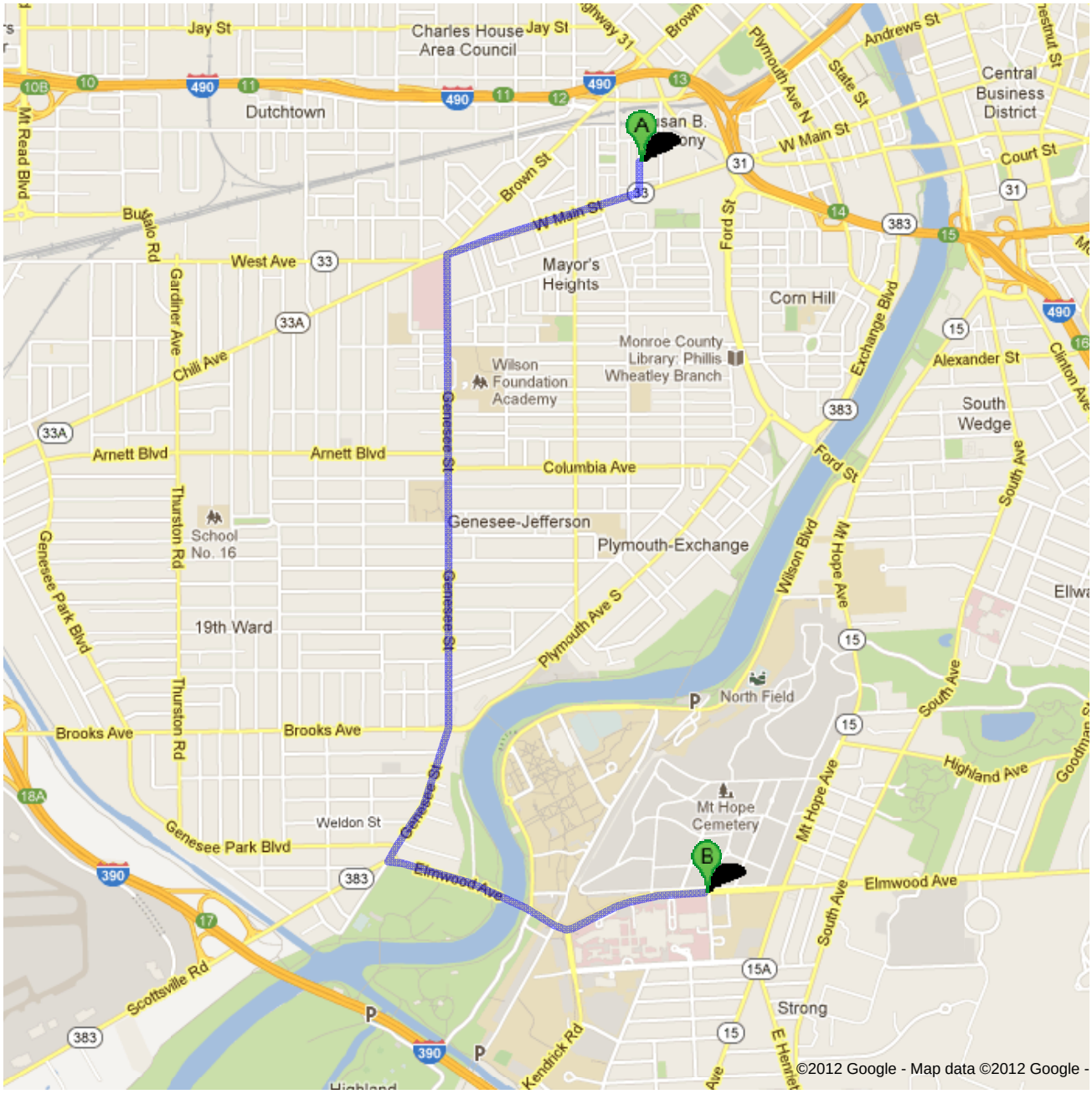
33 Litchfield Street
Rochester NY 14608

FIGURE 2

Directions and Map from the Site to Strong Memorial Hospital, Rochester, NY

Google

Directions to Strong Memorial Hospital
601 Elmwood Avenue, Rochester, NY 14620
3.3 mi – about **9 mins**



Health & Safety Plan
Former Carriage Factory Site
33 Litchfield Street
Rochester, NY

Driving Directions to Hospital
Figure 2

33 Litchfield St, Rochester, NY 14608

1.	Head **south** on **Litchfield St** toward **Berdell Alley**	go 449 ft total 449 ft
2.	Turn right onto **W Main St** About 2 mins	go 0.6 mi total 0.6 mi
3.	Turn left onto **Genesee St** About 4 mins	go 1.7 mi total 2.4 mi
4.	Turn left onto **Elmwood Ave** Destination will be on the right About 3 mins	go 0.9 mi total 3.3 mi

Strong Memorial Hospital
601 Elmwood Avenue, Rochester, NY 14620

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2012 Google

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.

HEALTH & SAFETY PLAN

APPENDIX A

MATERIAL SAFETY DATA SHEETS

NIOSH Publication No. 2005-149: **September 2005**

NIOSH Pocket Guide to Chemical Hazards

NPG Home | Introduction | Synonyms & Trade Names | Chemical Names | CAS Numbers | RTECS Numbers | Appendices | Search

1,2-Dichloroethylene

CAS
540-59-0
RTECS
KV9360000
DOT ID & Guide
1150 130P

ClCH=CHCl

Synonyms & Trade Names

Acetylene dichloride, cis-Acetylene dichloride, trans-Acetylene dichloride, sym-Dichloroethylene

Exposure Limits

NIOSH REL: TWA 200 ppm (790 mg/m^3)
OSHA PEL: TWA 200 ppm (790 mg/m^3)

IDLH

1000 ppm See: 540590

Conversion

1 ppm = 3.97 mg/m^3

Physical Description

Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor.

MW: 97.0	BP: 118-140°F	FRZ: -57 to -115°F	Sol: 0.4%
VP: 180-265 mmHg	IP: 9.65 eV		Sp.Gr(77°F): 1.27
Fl.P: 36-39°F	UEL: 12.8%	LEL: 5.6%	

Class IB Flammable Liquid: Fl.P. below 73°F and BP at or above 100°F.

Incompatibilities & Reactivities

Strong oxidizers, strong alkalis, potassium hydroxide, copper [Note: Usually contains inhibitors to prevent polymerization.]

Measurement Methods

NIOSH 1003; OSHA 7
See: NMAM or OSHA Methods

Personal Protection & Sanitation

(See protection)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet (flammable)
Change: No recommendation

First Aid

(See procedures)
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH/OSHA
Up to 2000 ppm:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode£
(APF = 25) Any powered, air-purifying respirator with organic vapor cartridge(s)£
(APF = 50) Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s)
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece
Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister/Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes

inhalation, ingestion, skin and/or eye contact

Symptoms

Irritation eyes, respiratory system; central nervous system depression

Target Organs

Eyes, respiratory system, central nervous system

See also: INTRODUCTION See ICSC CARD: 0436

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SEARCH

Enter search terms separated by spaces.

Tetrachloroethylene

Synonyms & Trade Names

Perchlorethylene, Perchloroethylene, Perk, Tetrachlorethylene

CAS No.	RTECS No.	DOT ID & Guide
127-18-4	KX3850000	1897 160

Formula

$Cl_2C=CCl_2$

Conversion

1 ppm = 6.78 mg/m^3

IDLH

Ca [150 ppm]
See: 127184

Exposure Limits

NIOSH REL

: Ca Minimize workplace exposure concentrations. See Appendix A

OSHA PEL

†: TWA 100 ppm
C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm

Measurement Methods

NIOSH 1003 ; **OSHA** 1001
See: NMAM or OSHA Methods

Physical Description

Colorless liquid with a mild, chloroform-like odor.

MW:	BP:	FRZ:	Sol:	VP:	IP:
165.8	250°F	-2°F	0.02%	14 mmHg	9.32 eV

Sp.Gr:	Fl.P:	UEL:	LEL:
1.62	NA	NA	NA

Noncombustible Liquid, but decomposes in a fire to hydrogen chloride and phosgene.

Incompatibilities & Reactivities

Strong oxidizers; chemically-active metals such as lithium, beryllium & barium; caustic soda; sodium hydroxide; potash

Exposure Routes

inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms

irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]

Target Organs

Eyes, skin, respiratory system, liver, kidneys, central nervous system

Cancer Site

[in animals: liver tumors]

Personal Protection/Sanitation

(See protection codes)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: No recommendation
Provide: Eyewash, Quick drench

First Aid

(See procedures)
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection

See also: INTRODUCTION See ICSC CARD: 0076 See MEDICAL TESTS: 0179

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

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NIOSH Publication No. 2005-149: **September 2005**

NIOSH Pocket Guide to Chemical Hazards

NPG Home | Introduction | Synonyms & Trade Names | Chemical Names | CAS Numbers | RTECS Numbers | Appendices | Search

Trichloroethylene

CAS

79-01-6

RTECS

KX4550000

DOT ID & Guide

1710 160

CICH=CCl$_2$

Synonyms & Trade Names

Ethylene trichloride, TCE, Trichloroethene, Trilene

Exposure Limits

NIOSH REL: Ca See Appendix A See Appendix C

OSHA PEL†: TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)

IDLH

Ca [1000 ppm] See: 79016

Conversion

1 ppm = 5.37 mg/m^3

Physical Description

Colorless liquid (unless dyed blue) with a chloroform-like odor.

MW: 131.4	BP: 189°F	FRZ: -99°F	Sol(77°F): 0.1%
VP: 58 mmHg	IP: 9.45 eV		Sp.Gr: 1.46
Fl.P: ?	UEL(77°F): 10.5%	LEL(77°F): 8%	

Combustible Liquid, but burns with difficulty.

Incompatibilities & Reactivities

Strong caustics & alkalis; chemically-active metals (such as barium, lithium, sodium, magnesium, titanium & beryllium)

Measurement Methods

NIOSH 1022, 3800; OSHA 1001

See: NMAM or OSHA Methods

Personal Protection & Sanitation

(See protection)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: No recommendation
Provide: Eyewash, Quick drench

First Aid

(See procedures)
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH
At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister/Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes

inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms

Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]

Target Organs

Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system

Cancer Site

[in animals: liver & kidney cancer]

See also: INTRODUCTION See ICSC CARD: 0081 See MEDICAL TESTS: 0236

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Enter search terms separated by spaces.

Vinyl chloride

Synonyms & Trade Names Chloroethene, Chloroethylene, Ethylene monochloride, Monochloroethene, Monochloroethylene, VC, Vinyl chloride monomer (VCM)

CAS No. 75-01-4	**RTECS No.** KU9625000	**DOT ID & Guide** 1086 116P (inhibited)
Formula CH_2=CHCl	**Conversion** 1 ppm = 2.56 mg/m^3	**IDLH** Ca [N.D.] See: IDLH INDEX
Exposure Limits **NIOSH REL** : Ca See Appendix A **OSHA PEL** : [1910.1017] TWA 1 ppm C 5 ppm [15-minute]		**Measurement Methods** **NIOSH** 1007 ; **OSHA** 4 , 75 See: NMAM or OSHA Methods

Physical Description Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. [Note: Shipped as a liquefied compressed gas.]

MW: 62.5	**BP:** 7°F	**FRZ:** -256°F	Sol(77°F): 0.1%	**VP:** 3.3 atm	**IP:** 9.99 eV
	Fl.P: NA (Gas)	**UEL:** 33.0%	**LEL:** 3.6%	**RGasD:** 2.21	

Flammable Gas

Incompatibilities & Reactivities Copper, oxidizers, aluminum, peroxides, iron, steel [Note: Polymerizes in air, sunlight, or heat unless stabilized by inhibitors such as phenol. Attacks iron & steel in presence of moisture.]

Exposure Routes inhalation, skin and/or eye contact (liquid)

Symptoms lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]

Target Organs Liver, central nervous system, blood, respiratory system, lymphatic system

Cancer Site [liver cancer]

Personal Protection/Sanitation (See protection codes)
Skin: Frostbite
Eyes: Frostbite
Wash skin: No recommendation
Remove: When wet (flammable)
Change: No recommendation
Provide: Frostbite wash

First Aid (See procedures)
Eye: Frostbite
Skin: Frostbite
Breathing: Respiratory support

Respirator Recommendations
(See Appendix E)

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection

See also: INTRODUCTION See ICSC CARD: 0082 See MEDICAL TESTS: 0241

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HEALTH & SAFETY PLAN

APPENDIX B

ON-SITE SAFETY MEETING FORMS

ON-SITE SAFETY MEETING

Project: Former Carriage Factory Site
Date:_____ Time:_____ Job No.: 190500751
Address: 33 Litchfield Street, Rochester, NY

Scope of Work:_____

Weather Temp:_____ Wind direction/speed: _____
Sky Conditions:_____ Humidity:_____
Weather Conditions affecting work: _____

Safety Topics Discussed

Protective Clothing/Equipment: Level D (steel toe boots, hard hat with overhead hazards, etc.)

Chemical Hazards: Chlorinated VOCs

Physical Hazardous: Slip/trip/fall; weather/heat/cold; overhead hazards during drilling rig and excavator Operation; and noise during drilling

Personnel/Equipment Decontamination: Alconox solution and water rinse or high pressure wash

Personnel/Job Functions:_____

Emergency Procedures: Emergency will be signaled verbally or with air or vehicle horn. Appropriate authorities will be contacted and after event, accident reporting procedures will be followed, as appropriate.

Special Equipment:_____

Other:_____

Emergency Phone Numbers/Addresses

Ambulance: 911
Hospital: Strong Memorial Hospital (585) 475-2100
Police: 911
Fire Department: 911

On-Site Safety Meeting
ATTENDEES

Name Printed	Signature	Job Function
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Meeting Conducted By: _____ _____
Name Printed Signature

Site Safety Officer _____ _____

Team Leader _____ _____

APPENDIX F

Community Air Monitoring Plan

New York State Department of Health Generic Community Air Monitoring Plan

OVERVIEW

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

COMMUNITY AIR MONITORING PLAN

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. APeriodic@ monitoring during sample collection might reasonably consist of taking a reading upon

arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC MONITORING, RESPONSE LEVELS, AND ACTIONS

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

PARTICULATE MONITORING, RESPONSE LEVELS, AND ACTIONS

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible

alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

Appendix 1B

FUGITIVE DUST AND PARTICULATE MONITORING

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

    a) Objects to be measured: Dust, mists or aerosols;

    b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);

c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;

d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);

e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;

f) Particle Size Range of Maximum Response: 0.1-10;

g) Total Number of Data Points in Memory: 10,000;

h) Logged Data: Each data point with average concentration, time/date and data point number

i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;

j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;

k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;

l) Operating Temperature: -10 to 50o C (14 to 122o F);

m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative, this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The

notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

   a) Applying water on haul roads;

   b) Wetting equipment and excavation faces;

   c) Spraying water on buckets during excavation and dumping;

   d) Hauling materials in properly tarped or watertight containers;

   e) Restricting vehicle speeds to 10 mph;

   f) Covering excavated areas and material after excavation activity ceases; and

   g) Reducing the excavation size and/or number of excavations.

   Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

APPENDIX G

Groundwater Monitoring Well Sampling Forms

Stantec
61 Commercial Street Suite 100
Rochester, NY 14614
(585) 475-1440

Monitoring Well Purging and Sampling Record

Site Name: Former Carriage Factory, Rochester, NY; BCP Site # C828184 Well ID: _____

Initial Depth to Water: _____ ft TOIC Date: _____

Total Well Depth: _____ ft TOIC Purge Start Time: _____

Depth to Pump: _____ ft TOIC Purge End Time: _____

Initial Pump Rate: _____ mL/min Purge/Pump Type: _____

adjusted to: _____ mL/min at _____ minutes Well Diameter: _____ inches

adjusted to: _____ mL/min at _____ minutes Well Volume: _____ gallons

Time	Purge Volume (gallons)	pH (s.u.)	ORP (mV)	Conductivity (mS/cm)	Temp. (ºC)	DO (mg/L)	Turbidity (NTU)	Water Level (ft)
Final Sample Data:								

Sample ID(s): _____

Sample Time: _____

Weather: _____

Field Test Kit Results: Ferrous Iron*: _____ mg/L

Total Iron*: _____ mg/L

Time: _____

Sampler(s): _____

Comments/Well Inspection Notes: _____

Lab Analyses:	Dup?	MS/MSD?
þ TCL VOCs + TICs (8260)		
¨TCL SVOCs + TICs (8270)		
¨TOC (415.1), Total Na (6010), Dissolved Mn* & As* (6010)		
¨ Nitrate, nitrite, nitrate-nitrite, sulfate (300)		
¨ Other:		

*Filtered in field

APPENDIX H

Quality Assurance Project Plan

Stantec

Quality Assurance Project Plan

Brownfield Cleanup Program
Site #C828184

Former Carriage Factory
33 Litchfield Street
Rochester, Monroe County, New York

Prepared on behalf of:
Carriage Factory Special
Needs Apartments, L.P.
1931 Buffalo Road
Rochester, New York 14624

Prepared by:
Stantec Consulting Services Inc.
61 Commercial Street Suite 100
Rochester, New York 14614

August 2014

QUALITY ASSURANCE PROJECT PLAN
FOR
SITE MANAGEMENT PLAN
FORMER CARRIAGE FACTORY
33 LITCHFIELD STREET
ROCHESTER, MONROE COUNTY, NEW YORK

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FORMER CARRIAGE FACTORY
Rochester, New York
BCP Site Management Plan
Quality Assurance Project Plan
August 2014

1.0 Introduction

This Quality Assurance Project Plan (QAPP) is to be used in conjunction with the Remedial Investigation (RI) Work Plan (Work Plan) for the Former Carriage Factory located at 33 Litchfield Street in the City of Rochester, Monroe County, New York (the "Site"; see Figure 1). This QAPP presents the policies, organization, objectives, functional activities, and specific quality assurance and quality control activities to ensure the validity of data generated in the completion of the investigation. The purpose of this QAPP program is to ensure that technical data generated are accurate and representative.

Quality assurance (QA) is a management system for ensuring that information, data, and decisions resulting from investigation and environmental monitoring programs are technically sound, and properly documented. Quality control (QC) is the functional mechanism through which quality assurance achieves its goals. Quality control programs, for example, define the frequency and methods of checks, audits, and reviews necessary to identify problems and dictate corrective actions to resolve these problems, thus ensuring high quality data. As such, a quality assurance and quality control program pertains to data collection, evaluation, and review activities which are part of the investigation.

QA/QC procedures will be in accordance with applicable professional technical standards, government regulations and guidelines, and specific project goals and requirements. This QAPP has been prepared in accordance with New York State Department of Environmental Conservation (NYSDEC) and United States Environmental Protection Agency (EPA) Region II guidance documents.

The QAPP incorporates the following activities:

- Sample collection, control, chain-of-custody, and analysis;
- Document control;
- Laboratory instrumentation, analysis, and control; and
- Review of project reports.

Laboratory analysis of project samples will be performed by an independent laboratory with the experience and certifications appropriate to the analyses to be performed. Analyses will be performed by laboratories accredited pursuant to the NYSDOH Environmental Laboratory Accreditation Program (ELAP) for the category of parameters to be analyzed by the laboratory. The specific environmental laboratory or laboratories to be used will be determined at the time the monitoring activities are scheduled.

Duplicates, replicates, and spiked samples will be used to identify the quality of the analytical data. Field audits may be conducted to verify that proper sampling techniques and chain-of-custody procedures are followed. Field data compilation, tabulation, and analysis will be checked for accuracy. Calculations and other post-field tasks will be reviewed by senior project personnel. Equipment used to take field measurements will be maintained and calibrated in accordance with established procedures. Records of calibration and maintenance will be kept by assigned personnel. Field testing and data acquisition will be performed following guidelines as described herein.

Document control procedures will be used to coordinate the distribution, coding, storage, retrieval, and review of data collected during sampling tasks.

A Data Usability Summary Report (DUSR) will be prepared for analytical results from each monitoring activity, with the exception of sampling data utilized for screening and survey purposes only. These screening and survey samples will be specified in the RI Work Plan. The DUSR will be prepared by an independent consultant with the required experience, in accordance with NYSDEC's "Guidance for the Development of Data Usability Summary Reports," revised 1997 and NYSDEC's DER-10 "Technical Guidance for Site Investigation and Remediation," May 2010 (DER-10).

2.0 Project Description

This QAPP pertains to the completion of field activities and subsequent laboratory and data analysis associated with the RI of the Former Carriage Factory located at 33 Litchfield Street in the City of Rochester, Monroe County, New York. The investigation elements are described in detail in the Work Plan.

Carriage Factory Special Needs Apartments, L.P. has submitted an application for an agreement with the NYSDEC to conduct a Brownfield Cleanup Program (BCP) investigation of the facility. The Site is located in an area of mixed commercial and residential properties.

Previous environmental investigations have identified the relatively low-level presence of several VOC and CVOC compounds in soils; some were present in one soil sample at concentrations that exceeded NYSDEC Soil Cleanup Objectives. In addition, chlorinated volatile organic compounds (CVOCs) in groundwater at concentrations in excess of New York State Department of Environmental Conservation (NYSDEC) groundwater standards. The need for further investigation of CVOCs in soil and groundwater is the principal reason that a BCP remedial investigation is being proposed at the Site.

In accordance with DER-10, the primary goals of a BCP-related RI are to determine surface and subsurface characteristics of the site, assess the source(s) and determine the nature and extent of contamination on or migrating from the Site, and identify migration pathways and potential receptors. The additional goals of the RI will be to satisfy the requirements of the BCP for investigation of site-wide environmental conditions and further evaluation beyond that performed to date of potential environmental impacts from historical operations at the Site.

2.1 Site Description

The Site is located at 33 Litchfield Street in the City of Rochester, Monroe County, New York (see Figure 1). The property is currently occupied by a vacant, 4-story brick building with a basement. The building was originally built in 1900 for the production of horse-drawn carriages. Operations at the Site ceased in approximately 1993 and the site has reportedly been essentially vacant since then.

Planned redevelopment of the Site involves converting the building into the Carriage Factory Apartments. This mixed-use residential development will include apartments for

clients with special needs as well as other affordable housing units. The total square footage of the building will be 71,559 square feet.

2.2 Previous Environmental Investigations

Previous environmental investigations of the Site are described in the RI Work Plan.

3.0 Project Organization and Responsibility

This QAPP provides for designated qualified personnel to review products and provide guidance on QA matters. This QAPP also outlines the approach to be followed to ensure that products of sufficient quality are obtained. This structure will provide for direct and constant operational responsibility, clear lines of authority, and the integration of QA activities. The QA-related functions of the project positions are as follows:

Project Manager
The project manager will have overall responsibility for ensuring that the project meets the objectives and quality standards as presented in the RI Work Plan and this QAPP. He/She will be responsible for implementing the project and will have the authority to commit the resources necessary to meet project objectives and requirements. The project manager's primary function is to ensure that technical, financial, and scheduling objectives are achieved successfully. The project manager will provide the major point of contact and control for matters concerning the project. In addition, he/she will be responsible for technical quality control and project oversight.

Team Leaders
The project manager will be supported by a team leader or leaders who will be responsible for leading and coordinating the day-to-day activities of the various resource specialists under their supervision. The team leader is a highly experienced environmental professional who will report directly to the project manager.

Technical Staff
The technical staff (team members) for this project will be drawn from corporate resources and appropriately qualified subcontractors. The technical team staff will be used to gather and analyze data, and to prepare various task reports and support materials. The designated technical team members will be experienced professionals who possess the degree of specialization and technical competence required to effectively and efficiently perform the required work.

Project QA Director
The Project QA Director will be responsible for maintaining QA for the project.

Laboratory Director
The laboratory director will be responsible for analytical work and works in conjunction with the QA unit. He/She maintains liaison with the QA officer regarding QA and custody requirements.

Laboratory Manager
The laboratory manager will maintain liaison with the laboratory director regarding QA elements of specific sample analyses tasks. He/She will report to the laboratory director and work in conjunction with the laboratory QA unit.

Laboratory QA Coordinator
The Laboratory QA officer will be responsible for overseeing the QA program within the laboratory and for maintaining
QC documentation. He/She reports directly to the laboratory director.

Laboratory Staff
Each member of the laboratory staff will perform an assigned QA or analytical function that is pertinent to and within the scope of his or her knowledge, experience, training, and aptitude. An individual will be assigned the responsibility for checking, reviewing, or otherwise verifying that a sample analysis activity has been correctly performed.

Laboratory Facilities
Laboratory work will be performed in accordance with guidelines established by NYSDEC, United States Environmental Protection Agency (USEPA), the Water Pollution Control Federation, and/or the American Society for Testing and Materials (ASTM). In case of conflict, these guidelines and protocols will be considered in the order shown (i.e., NYSDEC criteria is of primary precedence). In addition, QA and QC programs will be maintained for the instruments and the analytical procedures used. A NYSDOH ELAP certified laboratory capable of providing (NYSDEC Analytical Services Protocol (ASP) Category B deliverables will be identified to provide laboratory services for this project. With the exception of data collected solely for screening and survey purposes, data will be reported with a NYSDEC ASP Category B deliverable. The laboratory's preventative maintenance procedures will be provided and outlined in their Laboratory Quality Assurance Manual.

4.0 QA Objectives for Data Measurement

Measurements will be made to ensure that analytical results are representative of the media and conditions measured. Unless otherwise specified, data will be calculated and reported in units consistent with other organizations who report similar data to allow comparability of databases among organizations.

The key considerations for the QA assessment of generated data are accuracy, precision, completeness, representativeness, and comparability. These characteristics are defined below:

Accuracy: Accuracy is the degree of agreement of a measurement or average of measurements with an accepted reference or "true" value and is a measure of bias in the system.

Precision: Precision is the degree of mutual agreement among individual measurements of a given parameter.

Completeness: Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount expected to be obtained under correct normal conditions.

Representativeness: Representativeness expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition.

Comparability: Comparability expresses the confidence with which one data set can be compared to another.

4.1 Goals

The QA/QC goal will focus on controlling measurement error within the limits established and will ultimately provide a database for estimating the actual uncertainty in the measurement data.

Target values for detection limit, percent spike recovery and percent "true" value of known check standards, and RPD of duplicates/replicates are provided in the referenced analytical procedures. It should be noted that target values are not always attainable. Instances may arise where high sample concentrations, non-homogeneity of samples, or matrix interferences preclude achievement of target detection limits or other quality control criteria. In such instances, the laboratory will report reasons for deviations from these detection limits or noncompliance with quality control criteria.

5.0 Sampling Procedures

The sampling of various environmental media will be completed as part of the Remedial Investigation activities. The RI Work Plan presents the location, type, and analytical requirements of samples to be collected as part of the Remedial Investigation Activities.

5.1 Sampling Program

The sampling and field procedures for the following activities are described in the RI Work Plan:

- Passive Soil Gas sampling;
- Surface soil sampling;
- Test borings with soil sampling;
- Bedrock monitoring well installations and well development;
- Groundwater level measurement;
- Groundwater sampling from the existing and new monitoring wells;
- Hydraulic conductivity testing in selected new and existing wells; and
- Monitoring well and sampling point location and elevation survey.

The sample containers, preservation, and holding time that will be used are identified in Table 1. The sample containers will be labeled in accordance with Section 6.2. Sample handling, packaging and shipping procedures are presented in Section 6.3.

5.2 Field Quality Control Samples

Field quality control samples will consist of trip blanks, field blanks, field duplicates, matrix spikes and matrix spike duplicates, as shown on Table 2.

5.2.1 Field Duplicates

Field quality control samples will be collected to verify reproducibility of the sampling and analytical methods. Field duplicates will be obtained at a rate of one per 20 original field samples, as shown in Table 2.

5.2.2 Trip Blanks

Trip blanks will be used to assess whether groundwater, has been exposed to volatile constituents during sample storage and transport. The trip blanks for water samples will consist of a container filled by the laboratory with analyte-free water. The trip blanks will remain unopened throughout the sampling event and will only be analyzed for volatile organics. The trip blanks will be collected as shown in Table 2.

5.2.3 Matrix Spike/Matrix Spike Duplicates

Matrix Spike/Matrix Spike Duplicates (MS/MSD) will be obtained to determine if the matrix is interfering with the sample analysis. MS/MSDs will be collected at a rate of one per 20 original field samples, as shown on Table 2.

5.2.4 Rinsate Blanks

Rinsate blanks will be used to assess decontamination procedures for non-dedicated equipment. Rinse blanks will be collected as shown in Table 2.

5.2.5 Laboratory Quality Control Checks

Internal laboratory quality control checks will be used to monitor data integrity. These checks include method (equipment) blanks, spike blanks, internal standards, surrogate samples, calibration standards, and reference standards.

5.3 Sample Containers

The volumes and containers required for the sampling activities are included in Table 1. Pre-washed sample containers will be provided by the laboratory. All bottles are to be prepared in accordance with EPA bottle washing procedures.

5.4 Decontamination

Dedicated and/or disposable sampling equipment will be used to the extent possible to minimize decontamination requirements and the possibility of cross-contamination.

Split spoon samplers, hand augers, and sediment samplers are examples of sampling equipment to be used at more than one location. The water level indicator will be decontaminated between locations by using the following decontamination procedures:

- Initial cleaning of any foreign matter with paper towels, if needed;
- Low-phosphate detergent wash;
- De-ionized water rinse; and
- Air dry.

The samplers used for drilling and soil sampling in test borings will be decontaminated with a bucket wash consisting of a low-phosphate detergent wash followed by water rinse. The drill rig, augers, rods, and other related downhole equipment will be decontaminated using high-pressure steam prior to initiating the soil boring program. This decontamination procedure will also be used on the downhole equipment between boring locations. Steam cleaning will be performed in a designated on-site decontamination area. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface will not be permitted. Decontamination waste water will be containerized. The drill rig and associated equipment will also be cleaned upon completion of the investigation prior to departure from the site using the following methods:

- Initial cleaning of foreign matter; and
- Wash down with high pressure, high-temperature spray to remove and/or volatilize organic contamination.

5.5 Levels of Protection/Site Safety

Sampling will be conducted under a written Health and Safety Plan. On the basis of air monitoring, the level of protection may be downgraded or upgraded at the discretion of the site safety officer. Crew members will stand upwind of open boreholes or wellheads during the collection of samples, when possible.

Work will initially be conducted in Level D (refer to Site Specific Health and Safety Plan). Air purifying respirators (APRs) will be available if monitoring indicates an upgrade to Level C is appropriate.

6.0 Sample Custody

This section describes standard operating procedures for sample identification and chain-of-custody to be used for field activities. The purpose of these procedures is to ensure that the quality of the samples is maintained during collection, transportation, storage, and analysis. Chain-of-custody requirements comply with standard operating procedures indicated in USEPA and NYSDEC sample-handling protocol.

Sample identification documents must be carefully prepared so that sample identification and chain-of-custody can be maintained and sample disposition controlled. Sample identification documents include:

- Field records,
- Sample label,
- Custody seals, and
- Chain-of-custody records.

6.1 Chain-Of-Custody

The primary objective of the chain-of-custody procedures is to provide an accurate written or computerized record that can be used to trace the possession and handling of a sample from collection to completion of required analyses.

6.1.1 Sample Labels

Sample labels attached to, or affixed around, the sample container must be used to properly identify samples collected in the field. To the extent possible, the sample labels are to be placed on the bottles so as not to obscure any QA/QC lot numbers on the bottles. Sample information must be printed in a legible manner using waterproof ink. Field identification must be sufficient to enable cross-reference with the field sampling records or sample logbook. For chain-of-custody purposes, QC samples are subject to exactly the same custodial procedures and documentation as "real" samples.

6.1.2 Custody Seals

Custody seals are preprinted adhesive-backed seals often with security slots which are designed to break if the seals are disturbed. Sample shipping containers (coolers, cardboard boxes, etc., as appropriate) are sealed in as many places as necessary to ensure security. Seals must be signed and dated before use. On receipt at the laboratory, the custodian must check (and certify, by completing logbook entries) that seals on shipping containers are intact. Strapping tape should be placed over the seals to ensure that seals on shipping containers are not accidentally broken during shipment.

6.1.3 Chain-Of-Custody Record

The chain-of-custody record must be fully completed at least in duplicate by the field technician who has been designated by the project manager as being responsible for sample shipment to the appropriate laboratory for analysis. In addition, if samples are known to require rapid turnaround in the laboratory because of project time constraints or analytical concerns (e.g., extraction time or sample retention period limitations, etc.), the person completing the chain-of-custody record should note these constraints in the "Remarks" section of the custody record.

6.1.4 Field Custody Procedures

- As few persons as possible should handle samples.
- Sample bottles will be obtained pre-cleaned by the laboratory and shipped to the sampling personnel in charge of the field activities. Coolers or boxes containing cleaned bottles should be sealed with a custody tape seal during transport to the field or while in storage prior to use.
- The sample collector is personally responsible for the care and custody of samples collected until they are transferred to another person or dispatched properly under chain-of-custody rules.
- The sample collector will record sample data in a controlled field notebook and/or on appropriate field sampling records.
- The site team leader will determine whether proper custody procedures were followed during the fieldwork and decide if additional samples are required.

6.2 Documentation

6.2.1 Sample Identification

Containers of samples collected from the project will be identified using the following format on a label or tag fixed to the sample container:

CF-*XX*-*Y*

- "CF" - This set of initials indicates the Carriage Factory project.
- *"XX"* - These initials identify the sample. Actual sample locations will be recorded on the sampling record. Field duplicates, field blanks and rinsate blanks will be assigned unique sample numbers.
- *"Y"* - This initial will identify the sample matrix in accordance with the following abbreviations:
  - W: Water Sample
  - S: Soil Sample

Each sample will be labeled, chemically preserved, if required, and sealed immediately after collection. To minimize handling of sample containers, labels will be filled out prior to sample collection to the extent possible. The sample label will be filled out using waterproof ink and will be firmly affixed to the sample containers. The sample label will give the following information:

- Name or initials of sampler;
- Date (and time, if possible) of collection;
- Sample number;
- Intended analysis; and
- Preservation performed.

6.2.2 Daily Logs

Daily logs and data forms are necessary to provide sufficient data and observations to enable participants to reconstruct events that occurred during the project. Daily logs will be kept in a notebook and consecutively numbered. Entries will be made in waterproof ink, dated, and signed. Sampling data will be recorded in the sampling records. Information will be completed in waterproof ink. Corrections will be made according to the procedures given at the end of this section.

6.3 Sample Handling, Packaging, and Shipping

The transportation and handling of samples must be accomplished in a manner that not only protects the integrity of the sample, but also prevents any detrimental effects due to the possible hazardous nature of samples. Regulations for packaging, marking, labeling, and shipping hazardous materials are promulgated by the United States Department of Transportation (DOT) in the Code of Federal Regulations, 49 CFR 171 through 177.

All chain-of-custody requirements must comply with standard operating procedures in the NYSDEC and USEPA sample handling protocol. Field personnel will make arrangements for transportation of samples to the laboratory. When custody is relinquished to a shipper, field personnel will ensure that the laboratory custodian or project manager is aware of the expected time of arrival of the sample shipment and of any time constraints on sample analysis(es). Samples will be delivered to the laboratory in a timely manner to help ensure that holding times are followed.

7.0 Calibration Procedures and Frequency

Instruments and equipment used during sampling and analysis will be operated, calibrated, and maintained according to the manufacturer's guidelines and recommendations as well as criteria set forth in the applicable analytical methodology references.

7.1 Field Instruments

A calibration program will be implemented to ensure that routine calibration is performed on field instruments. Field team members familiar with the field calibration and operations of the equipment will maintain proficiency and perform the prescribed calibration procedures outlined in the Operation and Field Manuals accompanying the respective instruments. Calibration records for each field instrument used on the project

will be maintained on-site during the respective field activities and a copy will be kept in the project files.

7.1.1 Portable Total Organic Vapor Monitor

Any vapor monitor used will undergo routine maintenance and calibration prior to shipment to the project site. Daily calibration and instrument checks will be performed by a trained team member at the start of each day. Daily calibrations will be performed according to the manufacturer's specifications and are to include the following:

Battery check: If the equipment fails the battery check, recharge the battery.

- Gas standard: The gauge should display an accurate reading when a standard gas is used.

- Cleaning: If proper calibration cannot be achieved, then the instrument ports must be cleaned.

7.1.2 pH and Specific Conductance

The following steps should be observed by personnel engaged in groundwater sampling for pH and specific conductance:

- The operation of the instrument should be checked, and calibrated if needed, with fresh standard buffer solution (pH 4, pH 7 and pH 10) prior to each day's sampling.
- The specific conductance meter should be calibrated prior to each sampling event using a standard solution of known specific conductance.

More frequent calibrations may be performed as necessary to maintain analytical integrity. Calibration records for each field instrument used on the project should be maintained and a copy kept in the project files.

7.2 Laboratory Instruments

Laboratory calibration procedures are addressed in detail in the laboratory Quality Assurance Manual (QAM), which can be provided upon selection of a laboratory. Calibration procedures will be consistent with the method used for analysis.

8.0 Analytical Procedures

8.1 Field

On-site procedures for analysis of total organic vapor and other field parameters are addressed in the Remedial Investigation Work Plan.

8.2 Laboratory

Specific analytical methods for constituents of interest in soil and groundwater are listed in Table 1. The laboratory will maintain and have available for the appropriate operators standard operating procedures relating to sample preparation and analysis according to the methods stipulated in Table 1.

9.0 Data Reduction and Reporting

QA/QC requirements will be strictly adhered to during sampling and analytical work. Data generated will be reviewed by comparing and interpreting results from chromatograms (responses, stability of retention times), accuracy (mean percent recovery of spiked samples), and precision (reproducibility of results). Refer to Section 10 for a discussion of QA/QC protocol.

Data storage and documentation will be maintained using logbooks and data sheets that will be kept on file. Analytical QC will be documented and included in the analytical testing report. A central file will be maintained for the sampling and analytical effort after the final laboratory report is issued.

Calculations and data manipulations are included in the appropriate methodology references. Control charts and calibration curves will be used to review the data and identify outlying results. Prior to the submission of the report to the client, data will be evaluated for precision, accuracy, and completeness. Sections 4.0, 8.0, and 13.0 of this document include some of the QC criteria to be used in the data evaluation process.

Laboratory reports will be reviewed by the laboratory supervisor, the QA officer, laboratory manager and/or director, and the project manager. Analytical reports will contain a data tabulation including results and supporting QC information will be provided. Raw data will be available for later inspection, if required, and maintained in the control job file. With the exception of data collected solely for screening and survey purposes, data will be reported with a NYSDEC ASP Category B deliverable.

Data will be reported to NYSDEC in electronic format in accordance with DER-10 and the NYSDEC's Environmental Data Submission requirements.

10.0 Internal Quality Control Checks

QC data are necessary to determine precision and accuracy and to demonstrate the absence of interferences and/or contamination of glassware and reagents. The procedures to be followed for internal quality control checks are consistent with NYSDEC ASP protocols.

11.0 Performance and System Audits

11.1 Field Audits

The Project QA Director may conduct episodic audits of the operations at the site to ensure that work is being performed in accordance with the work plan and associated standard operating practice. The audit will cover, but not necessarily be limited to, such areas as:

- Conformance to standard operating procedures
- Completeness and accuracy of documentation
- Chain of custody procedures
- Construction specifications

11.2 Laboratory Audits

In addition to any audits required by the NYSDEC, the Project QA Director may chose to audit the laboratory. These additional audits may take the form of performance evaluation samples or on-site inspections of the laboratory. Performance evaluation samples may be either blind samples or samples of known origin to the laboratory. Reasonable notice will be provided if the audit is to include an on-site inspection of the laboratory.

12.0 Preventive Maintenance

12.1 Field

Field personnel assigned to complete the work will be responsible for preventative maintenance of field instruments. The field sampling personnel will protect the portable total organic vapor monitors, water quality meter, etc. by placing them in portable boxes and/or protective cases.

Field equipment will be subject to a routine maintenance program, prior to and after each use. The routine maintenance program for each piece of equipment will be in accordance with the manufacturer's operations and maintenance manual. Equipment will be cleaned and checked for integrity after each use. Necessary repairs will be performed immediately after any defects are observed, and before the item of equipment is used again. Equipment parts with a limited life (such as batteries, membranes and some

electronic components) will be periodically checked and replaced or recharged as necessary according to the manufacturer's specifications.

12.2 Laboratory

The laboratory's preventative maintenance procedures can be provided as outlined in their Laboratory Quality Assurance Manual.

13.0 Data Assessment Procedures

Performance of the following calculations will be completed to evaluate the accuracy, precision and completeness of collected measurement data.

13.1 Precision

Precision of a particular analysis is measured by assessing its performance with duplicate or replicate samples. Duplicate samples are pairs of samples taken in the field and transported to the laboratory as distinct samples. Their identity as duplicates is sometimes not known to the laboratory and usually not known to bench analysts, so their usefulness for monitoring analytical precision at bench level is limited. For most purposes, precision is determined by the analysis of replicate pairs (i.e., two samples prepared at the laboratory from one original sample). Often in replicate analysis the sample chosen for replication does not contain target analytes so that quantification of precision is impossible. Replicate pairs of spiked samples, known as matrix spike/matrix spike duplicate samples, are used for precision studies. This has the advantage that two real positive values for a target analyte can be compared.

Precision is calculated in terms of Relative Percent Difference (RPD), which is expressed as follows:

$$RPD = \frac{(X_1 - X_2)}{(X1 + X2)/2} \times 100$$

where X_1 and X_2 represent the individual values found for the target analyte in the two replicate analyses or in the matrix spike/matrix spike duplicate analyses.

RPDs must be compared to the method RPD for the analysis. The analyst or his supervisor must investigate the cause of RPDs outside stated acceptance limits. This may include a visual inspection of the sample for non-homogeneity, analysis of check samples, etc. Follow-up action may include sample re-analysis or flagging of the data as suspect if problems cannot be resolved.

13.2 Accuracy

Accuracy of a particular analysis is measured by assessing its performance with "known" samples. These "knowns" can take the form of EPA or NBS traceable standards (usually spiked into a pure water matrix), or laboratory prepared solutions of target analytes into a

pure water or sample matrix; or (in the case of GC or GC/MS analyses) solutions of surrogate compounds which can be spiked into every sample and are designed to mimic the behavior of target analytes without interfering with their determination. In each case the recovery of the analyte is measured as a percentage, corrected for analytes known to be present in the original sample if necessary, as in the case of a matrix spike analysis. For EPA or NBS supplied known solutions, this recovery is compared to the published data that accompany the solution. For prepared solutions, the recovery is compared to EPA-developed data or historical data as available. For surrogate compounds, recoveries are compared to USEPA CLP acceptable recovery tables. If recoveries do not meet required criteria, then the analytical data for the batch (or, in the case of surrogate compounds, for the individual sample) are considered potentially inaccurate.

For highly contaminated samples, recovery of matrix spike may depend on sample homogeneity. As a rule, analyses are not corrected for recovery of matrix spike or surrogate compounds.

13.3 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the total amount expected to be obtained under normal conditions. Completeness for each parameter is calculated as:

$$\text{Completeness} = \frac{\text{Number of successful analyses} \times 100}{\text{Number of requested analyses}}$$

Target value for completeness for parameters is 100%. A completeness value of 95% will be considered acceptable. Incomplete results will be reported to the client project officer.

13.4 Representativeness

The characteristic of representativeness is not quantifiable. Subjective factors to be taken into account are as follows:

- The degree of homogeneity of a site;
- The degree of homogeneity of a sample taken from one point in a site; and
- The available information on which a sampling plan is based.

To maximize representativeness of results, sampling techniques and sample locations will be carefully chosen so that they provide laboratory samples representative of the site and the specific area.

14.0 Corrective Action

Corrective actions can be initiated as a result of performance and system audits, laboratory and interfield comparison studies, data validation, and/or a QA program audit. They may also be required as a result of a request from project representatives. Corrective action necessary to resolve analytical problems will be taken. Success or failure of corrective actions will be reported with an estimate of effect on data quality, if any.

Corrective actions may include altering procedures in the field, conducting subsequent audits, or modifying project protocol. Time and type of corrective action, if needed, will depend on the severity of the problem and relative overall project importance. The project manager is responsible for initiating corrective action and the team leader is responsible for its implementation in the correction of field non-conformance corrective actions.

15.0 Quality Assurance Reports

Upon completion of a project sampling effort, with the exception of sampling efforts conducted solely for screening and survey purposes, analytical and QC data will be included in a Data Usability Summary Report (DUSR) that summarizes the work and provides a data evaluation. A discussion of the usability of the results in the context of QA/QC procedures will be made, as well as a summation of the QA/QC activity. The DUSR will be performed in accordance with the DEC's "Guidance for the Development of Data Usability Summary Reports," revised 1997 and DER-10.

Serious analytical problems will be reported. Time and type of corrective action, if needed, will depend on the severity of the problem and relative overall project importance. Corrective actions may include altering procedures in the field, conducting an audit, or modifying laboratory protocol. Corrective action will be implemented after notification of the project representatives.

TABLES

33 Litchfield Street
Brownfield Cleanup Program
Site Management Plan
Quality Assurance Project Plan

Table 1
Required Sample Containers, Volumes, Preservaton and Holding Times

Media	Type of Analysis	Required Container	Preferred Sample Volume (0z.)	Preservation	Maximum Holding Time
Soil	USEPA 8260B VOCs	4 oz.cwm	4	Cool 4°C	VSTR + 10 days
	USDEP 8270C SVOCs	4 oz.cwm	4	Cool 4°C	VSTR + 5 days
	USEPA 8081B Pesticides	4 oz.cwm	4	Cool 4°C	VSTR + 5 days
	USEPA 8082A PCBs	4 oz.cwm	4	Cool 4°C	VSTR + 5 days
	USEPA 6010/7000-series1TAL Metals	4 oz.cwm	4	Cool 4°C	VSTR + 6 Months
Groundwater	USEPA 8260B VOCs	(2) 40 ml glass vials	80 ml	pH<2, HCL	VTSR + 10 days if acidified with HCL
	USDEP 8270C SVOCs	1000 ml amber glass jar	1000 ml	pH<2, HCL	VTSR + 5 days if acidified with HCL
	USEPA 8081B Pesticides	1000 ml amber glass jar	1000 ml	Cool 4°C	VTSR + 5 days if acidified with HCL
	USEPA 8082A PCBs	1000 ml amber glass jar	1000 ml	Cool 4°C	VTSR + 5 days if acidified with HCL
	USEPA 6010/7000-series1TAL Metals	500 ml plastic or glass jar	500 ml	pH<2, HNO3	VTSR + 6 Months

Notes:

1. Samples must be received by the lab within 48 hours of the first sample being taken.
2. VTSR = Validated Time of Sample Receipt at laboratory
3. cwm = clear wide mouth jar

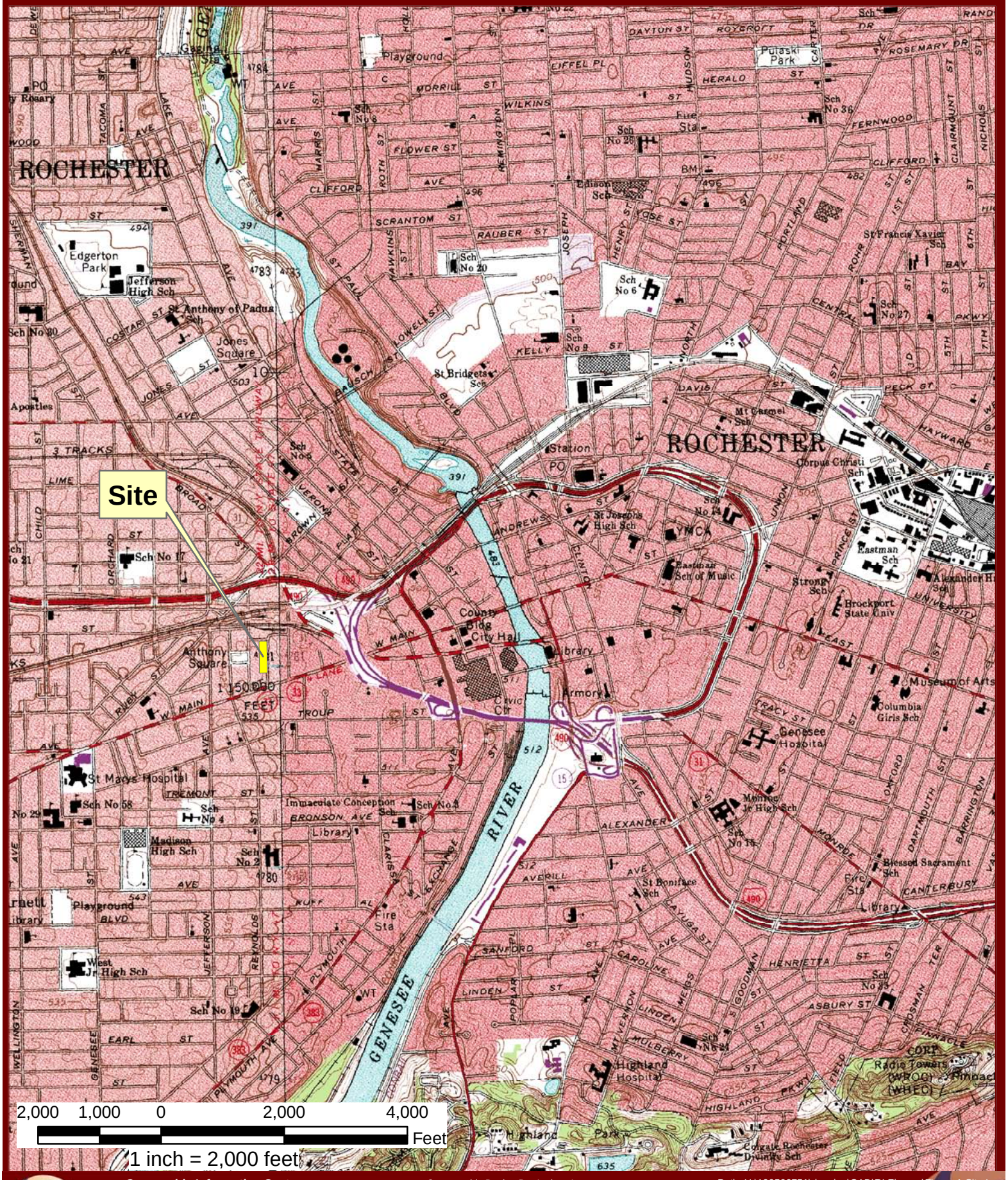
Table 2
Summary of Field Quality Control Samples

Analysis Parameters	Analysis Method (USEPA SW846 method number)	Estimated Number of Site Samples	QA/QC Samples				Total Number of Samples
			Field Duplicates	Trip Blanks	Rinsate Blanks	MS/MSD	
Passive Soil Gas							
TCL VOCs	8260B	27	2	1	0	0	30
Soil Sampling							
TCL VOCs	8260B	2	1	1	1	1	6
TCL SVOCs	8270C	5	1	0	2	1	9
TCL Pesticides	8081B/8082A	5	1	0	2	1	9
PCBs	8082A	5	1	0	2	1	9
TAL Metals	6010/7000-series	5	1	0	2	1	9
Groundwater Sampling							
TCL VOCs	8260B	14	1	2	0	1	18
TCL SVOCs	8270C	3	1	0	0	1	5
TCL Pesticides	8081B/8082A	3	1	0	0	1	5
PCBs	8082A	3	1	0	0	1	5
TAL Metals	6010/7000-series	3	1	0	0	1	5
ERD Assessment							
Sampling and analysis program to be determined							

Key:

MS/MSD = Matrix spike/matrix spike duplicate.
PCBs = Polychlorinated biphenyls.
QA/QC = Quality assurance/quality control.
SVOCs = Semivolatile organic compounds.
TAL = Target analyte list.
TCL = Target compound list.
VOCs = Volatile organic compounds.

FIGURES



Geographic Information Systems

Cartographic Design By: Andrew Less

Path: U:\190500751\drawing\CAD\RI Figures\Figure 1 Site Loca

Stantec Consulting Services
61 Commercial Street
Rochester , NY 14614

Reference Souce :
USGS Quadrangles from NYSGIS :
Rochester East / Rochester West

N

Figure 1 - Site Location Map

33 Litchfield Street
Rochester NY 14608

APPENDIX I

Inspection Forms

Annual Sitewide Inspection Form
Former Carriage Factory
Brownfield Cleanup Program Site # C828184
33 Litchfield Street
Rochester, Monroe County, New York

Inspection Date: _____

Time Period Inspection Covers: _____

Inspector(s):_____Weather:_____

A. Describe the site usage (i.e. commercial or industrial purposes, or higher level usage [i.e. unrestricted, residential]? _____
_____

B. Describe general site conditions._____
_____

C. Is the site currently undergoing development? If so, describe.
_____
_____

D. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during the Reporting Period? _____
_____

E. Is the site being used for vegetable gardening or farming?
_____

F. Has groundwater monitoring been performed according to the schedule in the Site Management Plan (SMP)?
_____
_____

G. Is groundwater being used on-site? ____ If so, is it being rendered safe for its intended use? Describe._____

H. Are there buildings on-site? _____

I. If so, has the potential for vapor intrusion been evaluated or has a sub-slab depressurization system (SSDS) been installed? If a SSDS is present, has the SMP been modified to include a SSDS inspection schedule and form?
_____
_____

J. Are soil covers in place on bermed areas as defined in SMP? _____

K. Is vegetation on soil covers in place? _____

L. Have any activities been conducted since the last inspection that necessitated site management activities be conducted, such as excavation in covered areas, confirmation

sampling and a health and safety inspection?

_____

_____

M. Is the site in compliance with permits and schedules included in the Operations and Maintenance Plan in the SMP?

_____

N. Have any federal, state, and/or local permits (e.g. building, discharge) been issued for or at the property during this Reporting Period?

_____

_____

O. Has all reporting been performed per the schedules outlined in the SMP and are all site records up to date?

_____

P. Area all ICs/ECs in place and functioning as designed? _____

Q. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding off-site contamination are no longer valid?

_____

R. Are the assumptions in the Qualitative Exposure Assessment still valid?

_____

_____

Monthly Monitoring - Sub-Slab Depressurization System

Date	Operator	Vacuum (inches Water Column)				Pilot Light ON (Y or N)*				Additional Notes (Abnormal conditions such as hot fan housings, vibrations, unusual noises, etc)
		FAN-1	FAN-2	FAN-3		FAN-1	FAN-2	FAN-3		

* If one or more pilot lights are OFF, contact Stantec immediately at 585-475-1440.

Former Carriage Factory, 33 Litchfield Street, Rochester, NY
NYSDEC Brownfield Site # C828184

Annual Monitoring - Sub-Slab Depressurization System

Date	Operator	Vacuum (inches Water Column)			Pilot Light ON (Y or N)*			Photoionization Detector Reading (parts per million)			Vacuum Monitoring Points (inches Water Column)						Additional Notes	Basement inspected for cracks, new penetrations, other potential leaks? If necessary, perform smoke testing to assess the leakage potential of suspect locations.)	Fans, pilot lights inspected in the attic? Any abnormal conditions such as hot fan housings, vibrations, or unusual noises?	Any condensation occuring on SSDS exhaust piping?
		FAN-1	FAN-2	FAN-3	FAN-1	FAN-2	FAN-3	FAN-1	FAN-2	FAN-3	VMP-1	VMP-2	VMP-3	VMP-4	VMP-5	VMP-6				

* If one or more pilot lights are OFF, contact Stantec immediately at 585-475-1440.