



Environmental Management Plan

Location:

101-113 Franklin Street and 106 Pleasant Street
Rochester, New York 14604

Prepared For:

Division of Environmental Quality
City of Rochester
30 Church Street, Room 300-B
Rochester, New York 14614

LaBella Project No. 2200085

December 2019

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1.0 INTRODUCTION

This Environmental Management Plan (EMP) was developed to address regulated materials (e.g. urban fill, petroleum-impacted soil and groundwater, contaminated soil and groundwater, etc.), the potential to encounter unknown underground storage tanks (USTs), and other subsurface structures of environmental concern that are or may be present at 101-113 Franklin Street and 106 Pleasant Street in the City of Rochester, Monroe County, New York, hereinafter referred to as the “Site.” A Site Location Map is attached as Figure 1. This EMP is intended to be implemented in the event that future ground-intrusive work encounters regulated materials and/or other potential unknown impacts. In addition, the EMP includes 6 NYCRR Part 360 guidelines how to manage regulated waste such as urban fill materials, construction and demolition debris if encountered at the Site.

2.0 SITE DESCRIPTION AND BACKGROUND

2.1 Site Description and History

The Site consists of two City-owned parcels of undeveloped land currently addressed as 101-113 Franklin Street (S-B-L #106.80-1-25.001, 0.58 acres, use code “parking lot”) and 106 Pleasant Street (S-B-L #106.8-1-44.003, 0.12 acre, use code “vacant commercial land”). The City regards the Site as a future mixed-use development site that could include apartments or townhouses. A figure showing the location of each of these parcels is included as Figure 2.

The Site has a history of residential and commercial development for at least 140 years. Residential parcels with structures were identified as early as 1875. The Site contained a portion of a church and school property as early as 1888, a YMCA building as early as 1910, and served as a commercial parking station with a small building and gasoline tanks as early as 1950.

2.2 Summary of Previous Studies

The following environmental reports were completed for the Site and provided to LaBella:

- □ *Day Environmental, Inc. (Day) Phase I Environmental Site Assessment (September 2018)*
- □ *Wood Environment & Infrastructure Solutions, Inc. (Wood), Geophysical Survey Results (January 10, 2019)*
- □ *Ravi Engineering and Land Surveying, P.C. (Ravi) Phase II Environmental Site Assessment (September 2019)*
- □ *Ravi Preliminary Geotechnical Engineering Investigation (September 2019)*

Day Phase I Environmental Site Assessment (September 2018)

The Phase I ESA identified two (2) Recognized Environmental Conditions (RECs) associated with historical use of the property as a “parking station” with gasoline pumps on the property and historical uses of adjoining/nearby properties. A summary of these RECs is provided below:

Documented Installation of Gasoline Pumps on the Assessed Property

The City of Rochester provided historical information for the properties which included a copy of a

variance card, dated May 5, 1932 that indicated that a portion of the Site was utilized as a “parking station” for the property located at 67 Franklin Square (now part of the 101-113 Franklin Street parcel). In addition, a variance card for the Site dated August 11, 1932 was issued and states “Install gasoline pumps in existing parking station.” Based on historical records, it appears that the former UST associated with the former 67 Franklin Square parcel was located in the northeast corner of the 101-113 Franklin Street parcel.

Historical Uses of Adjoining/Nearby Properties

Information obtained as part of previous studies were reviewed as part of the Phase I report and indicated that properties that currently or formerly adjoined the Site include:

- A property to the north was formerly occupied by a printing shop;
- A property to the north was formerly occupied by an automobile repair facility and a welding shop;
- A property to the east was occupied by a dry cleaning facility;
- A property to the south was occupied by a gasoline station, a dry cleaning facility, a photographic facility, and a metal foundry;
- Properties to the southwest were occupied by an automobile repair facility, a photo engraving facility, and an oil/refrigerant supply company; and
- Historical records document the presence of known and suspected underground storage tanks (USTs) at off-site properties to the north, east, south, and southwest of the assessed property.

Additionally, although not RECS, the Phase I ESA identified that it is unknown if construction debris associated with former buildings on the Site was disposed of on-site, and seven local waste sites were identified within 2,000 feet of the Site. A copy of the Day Phase I ESA is included in Appendix 1.

Wood Geophysical Survey Results (January 10, 2019)

Wood completed a geophysical survey consisting of an EM 61 (Electromagnetic) survey to assess for buried anomalies of the size and shape of a potential UST. The geophysical survey identified three (3) anomalies that were suspect for potential USTs. A copy of the geophysical survey report is included as Appendix 2.

Ravi Phase II Environmental Site Assessment (September 2019)

The Phase II ESA conducted by Ravi in 2019 drew the following conclusions:

- Regulated fill material (i.e. urban fill) was observed at depths of up to 10-feet BGS throughout the Site. This fill material may be present at depths greater than 10-feet BGS.
- The deepest regulated fill material was typically observed within old building foundations/footprints.
- Native soils were typically observed at a depth of 5-feet BGS.
- No soil samples had any compounds detected at concentrations greater than the 6NYCRR Part 375 Restricted Use-Residential SCOs.
- Three VOC compounds and three SVOC compounds were detected in groundwater above NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 guidance values.
- The potential for soil vapor intrusion (SVI) should be evaluated for any new occupied structures at the Site. A sub-slab depressurization system (SSDS) may be installed and operated in the

event that SVI mitigation is required.

Appendix 1 includes tables summarizing the analytical results and figures showing where samples were collected and analytes that were detected as part of the Phase II report. Boring and test pit logs from the Phase II ESA can be found in Appendix 4, "Phase II Environmental Site Assessment, 101-113 Franklin Street, 106 Pleasant Street, City of Rochester, New York," Appendix A, "Test Pit & Soil Boring Logs."

The Phase II ESA consisted of twenty-one (21) soil borings, five (5) groundwater monitoring wells, five (5) deep overburden groundwater monitoring wells, nine (9) test pits, and five (5) geotechnical test borings. This Phase II ESA was performed to evaluate the Site subsurface based on the historical use of the Site and adjacent properties, as well as the potential for regulated materials to be located on-site. The work was also completed to assess magnetic anomalies identified in the Wood geophysical survey. The Phase II ESA report is included as Appendix 3.

The test pitting work did not identify any USTs during the advancement of the test pits including the anomalies that were identified during the geophysical assessment. During the Phase II ESA investigation activities, one (1) subsurface soil sample was collected from twenty of the twenty-one soil borings (no sample was collected from BH-10 due to the absence of soil in the boring). Samples were analyzed for the following:

- Twenty-five (25) samples analyzed for Target Compound List (TCL) and Commissioner Policy 51 (CP-51) Volatile Organic Compounds (VOCs) using United State Environmental Protection Agency (USEPA) Method 8260;
- Ten (10) samples analyzed for TCL Semi-Volatile Organic Compounds (SVOCs) using USEPA Method 8270;
- Seventeen (17) samples analyzed for Target Analyte List (TAL) Metals using USEPA Methods 6010/7470/747; and
- Six (6) samples analyzed for Polychlorinated Biphenyls (PCBs) using USEPA Method 8082.

VOCs were detected in seven (7) of the twenty-six (26) total subsurface soil samples collected. Acetone was the only compound detected above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) but below the 6NYCRR Part 375 Restricted Residential Use SCO. All other VOC concentrations were below Unrestricted Use SCOs. SVOCs were not detected in any of the ten (10) samples analyzed. Lead was detected in two (2) of the samples above Unrestricted Use SCOs but below Restricted Use - Residential SCOs, while mercury was detected above the Unrestricted Use SCO in one sample but below the Restricted Use - Residential SCOs. PCBs were not detected in any of the samples.

Direct-push shallow overburden wells were installed in five (5) of the soil borings as temporary one-inch diameter polyvinyl chloride (PVC) microwells. Only two of the wells produced enough groundwater for sample analysis (MW-1 and MW-4). Shallow overburden groundwater samples were analyzed for the following:

- Two (2) samples analyzed for TCL and CP-61 VOCs using USEPA Method 8260; and
- One (1) sample analyzed for TCL SVOCs using USEPA Method 8270.

Additionally, deep overburden groundwater monitoring wells were installed in borings drilled for a separate geotechnical investigation. Five (5) deep overburden wells were installed at the Site and groundwater samples were collected. These groundwater samples were analyzed for the following:

- Five (5) samples analyzed for TCL and CP-51 VOCs using USEPA Method 8260;
- Five (5) samples analyzed for TCL SVOCs using USEPA Method 8270;
- Two (2) samples analyzed for TAL Metals using USEPA Methods 6010/7470/747; and
- Two (2) samples analyzed for PCBs using USEPA Method 8082.

Two overburden and five deep overburden groundwater samples were analyzed for VOCs. Cis-1,2-dichloroethene was detected in one deep well sample (MW-D2) above the Technical and Operational Guidance Series (TOGS) 1.1.1 standard. Acetone (MW-1) and trichloroethene (MW-D2) were detected in two other wells at concentrations below the TOGS 1.1.1 standard. One overburden and five deep overburden groundwater samples were analyzed for SVOCs. Diethyl phthalate was detected in all five deep overburden samples, two of which exceeded the TOGS 1.1.1 guidance value (MW-D1 and MW-D2). Two deep overburden groundwater samples were analyzed for metals. No metals exceeded their TOGS 1.1.1 standard or guidance value. Two deep overburden groundwater samples were analyzed for PCBs; PCBs were not detected in either sample.

Ravi Preliminary Geotechnical Engineering Investigation (September 2019)

During Phase II ESA investigation activities, Ravi also completed Preliminary Geotechnical Engineering Investigation activities including test pitting and geotechnical borings. Ravi issued a Preliminary Geotechnical Investigation report in September 2019. The geotechnical report noted that many of the subsurface explorations encountered regulated materials to depths as great as approximately 10-feet BGS. Greater depths of regulated fill materials may be present at other locations on the Site. The report noted that it is likely that the greatest amounts of regulated materials/urban fill exist within the outlines of former basements and underground tanks on the eastern portion of the Site. The report also stated that if fill material is disturbed during redevelopment activities, it may not be acceptable for re-use on the Site and will likely need to be handled/disposed of as a regulated solid waste. A copy of the Ravi Preliminary Geotechnical Investigation is included as Appendix 4.

2.3 Site Geology

Based on the previous reports by others, the following information on site geology is provided:

Soils:

In general, soils on the east end of the Site were found to consist of varying amounts of brick and rock rubble intermixed with loamy soils from 0 to 10-feet BGS, with native materials encountered at a typical depth of 5-feet BGS across the Site. The brick and stone rubble that was predominant throughout the eastern portion of the Site was absent in borings advanced on the west side of the Site, with the exception of a small amount of brick rubble at shallow depths near the northwest portion of the Site. Typical soils on the west portion of the Site consist of sandy loam and silty fine sand. None of the borings exhibited petroleum or chemical impacts or had any elevated PID readings.

Groundwater:

Saturated conditions were encountered between 8-feet to 9.5-feet BGS near the northeast corner of the Site. Saturated soils were also present between 17-feet to 22-feet BGS. Static groundwater levels measured in the deep overburden monitoring wells ranged from 13.3-feet to 18.3-feet BGS. Groundwater elevations indicate that the groundwater flow direction across the Site is to the southwest. Bedrock was

encountered at depths ranging from 17.4-feet to 27.0-feet BGS.

3.0 OBJECTIVE

This EMP is intended to provide guidance for the identification and management of regulated materials that may be encountered during construction-related excavations and ground intrusive work (e.g. subsurface utility work, excavation, grading, etc.) on the Site. The development of this EMP was generated based on the identification of urban fill on the Site, which is a regulated solid waste under NYSDEC Part 360, and the potential for other regulated materials to be present in the subsurface on-Site.

This EMP has been prepared in general accordance with current United States Environmental Protection Agency (USEPA) and NYSDEC non-hazardous waste disposal regulations, and to satisfy the requirements established by the NYSDEC regarding the handling of regulated materials generated during construction. In addition, the "Beneficial Use" provisions in 6 NYCRR Part 360.12 and 360.13 are referenced to assist with the management of soil and fill materials at the Site. Any changes made to these standards or guideline subsequent to the date of this EMP may result in portions of this EMP becoming obsolete.

The Owner of the Site at the time of subsurface disturbance shall be primarily responsible for implementation of this EMP and third-parties conducting the subsurface work shall also have an obligation to conduct the work in conformance with this EMP. This EMP should be provided to future Owners, contractors, and other third-parties whose activities may disturb the subsurface at the Site. Additional parties to which the EMP has been distributed are listed in Section 3.3.

3.1 Applicability of Plan

This EMP applies to any activity that disturbs the subsurface at the Site.

3.2 Distribution

One (1) electronic and one (1) hardcopy of this EMP have been distributed to the following parties:

Current Property Owner:

Mr. Paul Scuderi
Director of Real Estate
City of Rochester
30 Church Street, Room 300-B
Rochester, New York 14604

Local Municipality:

Division of Environmental Quality
City of Rochester
30 Church Street, Room 300-B
Rochester, New York 14614

4.0 ENVIRONMENTAL MANAGEMENT PLAN

This section of the EMP details field screening and the classification system to be used to segregate excavated soil and regulated materials during potential future subsurface work at the Site. The method to screen and segregate soil will rely on visual evidence of impairment, olfactory evidence of impairment, photo-ionization detector (PID) readings, and previous analytical data generated at the Site. The Site owner

should consider engaging an Environmental Professional to assist with the management of any materials derived from subsurface excavations at the Site.

As noted above, both the Owner of the Site and the parties conducting the subsurface work have responsibility for compliance with this EMP. Any regulated materials, USTs, dry wells or other subsurface structures of environmental concern encountered must be managed in accordance with this EMP and all applicable Federal, State, and Local laws/regulations. The following is general guidance for the handling, reuse and/or disposal of impacted materials that may be encountered during future work at the Site.

4.1 Development of Screening Procedures for Excavated Soil

Upon encountering potentially impacted soil, on-Site contractors should follow their own company’s Health and Safety Plan (HASP) to provide for worker protection. Various classes of material have been defined for the Site and will be managed and handled in a manner dictated by evidence of environmental impairment and anticipated re-use, and as allowed under the 6 NYCRR Part 360 Regulations. The classes of material are described in the below table.

Table 1 - Material Classifications

Class of Material	Description	Screening Parameter	Management/ Re-use of Material Requirements
Class 1	Layers of non-impacted soil and earth that do not contain evidence of impairment and do not appear to be associated with filling.	No discernable odor or staining and PID readings less than 5 ppm. Visibly free of regulated solid waste such as urban fill, construction and demolitions debris, etc.	<u>On-Site Reuse:</u> Per section 360.12 of the BUD Regulations, unrestricted use anywhere on the Site, if required or desired. Material can also be used on-site to cover Class 2 Materials. <u>Off-Site Reuse:</u> This material may be used off-Site in accordance with 6 NYCRR Part 360 provided the material is sampled in accordance with 6 NYCRR Part 360.13(e) Table 1 and in accordance with the appropriate reuse guidelines per 6 NYCRR Part 360.13(f) Table 2. If the sampling results do not meet the 6 NYCRR Part 360.13(f) Table 2 Fill Material Beneficial Use requirements, the material should be disposed at a NYSDEC Part 360 landfill.

Class 2	Soil/Solid Waste Impacted Media including but not limited to construction and demolition debris, slag, ash, and cinders, etc.	PID readings greater than 5 ppm, but less than 25 ppm without significant evidence of impairment (i.e. no significant odors or staining, etc.). Signs of regulated solid waste such as urban fill, construction and demolitions debris, etc.	Sample in accordance with NYSDEC's Part 360 Regulations <u>On-Site Reuse:</u> Per section 360.13 of the BUD Regulations, material may be re-used on-site under at least 1 ft of Class 1 Material or imported 'clean' fill, or placed under exterior impervious surfaces (e.g. asphalt, concrete, etc.). <u>Off-Site Reuse:</u> This material may be used off-Site in accordance with 6 NYCRR Part 360 provided the material is sampled in accordance with 6 NYCRR Part 360.13(e) Table 1 and in accordance with the appropriate reuse guidelines per 6 NYCRR Part 360.13(f) Table 2. If the sampling results do not meet the 6 NYCRR Part 360.13(f) Table 2 Fill Material Beneficial Use requirements, the material should be disposed at a NYSDEC Part 360 landfill. NOTE: Off-Site reuse requires NYSDEC approval.
Class of Material	Description	Screening Parameter	Management/ Re-use of Material Requirements
Class 3	Solid waste physically unacceptable for re-use or recycling (e.g. lumber, refuse, metal scrap, large foundations, large pieces of concrete or brick unacceptable for reuse on-site, drainage piping, municipal waste)	PID readings greater than 25 ppm and/or significant evidence of impairment (significant odors, staining, etc.).	Sample in accordance with Disposal Facility Requirements Cannot be re-used on-Site. Must be staged on and covered with 6-mil polyethylene sheeting pending disposal at a NYSDEC Part 360 landfill.

Note: In the event that petroleum impacts are encountered a spill should be called in to NYSDEC (refer to Section 3.2. In this event, NYSDEC should be consulted with for any proposed soil reuse.

4.2 Excavated Soil Management Procedures

The three (3) classes of soil described in Section 4.1 shall be managed on-site as follows:

- *Class 1 Materials* will be staged, in accordance with stormwater regulations, for later use as cover material or removed from the Site for reuse or disposal per the NYSDEC Part 360 regulations.
- *Class 2 Materials* will be staged on and covered with 6-mil polyethylene sheeting until either placed on-site or removed from the Site for re-use or disposal per the NYSDEC Part 360 regulations. The location of the designated staging area will be selected at the time of the excavation work.
- *Class 3 Materials* will be staged on and covered with 6-mil polyethylene sheeting until removed from Site for disposal after waste characterization and waste profiling. The location of the designated

staging area will be selected at the time of the excavation work.

If Class 1, 2 or 3 Materials require disposal at a NYSDEC Part 360 landfill, the material may require waste characterization sampling and analysis prior to off-Site disposal. Waste characterization analysis parameters will be dependent upon the accepting waste disposal facility.

Class 1, Class 2, and Class 3 materials should be staged separately. The Contractor will be required to cover the Class 2 and 3 Materials with plastic sheeting during non-working hours. The covers will be anchored or weighted at the edges to prevent stormwater and/or wind-borne erosion. Class 1 material should be staged in accordance with stormwater regulations (NYSDEC and local municipality).

4.3 Waste Disposal Tracking

All Treatment, Storage, and Disposal (TSD) facilities and waste transporters must provide evidence of applicable NYSDEC permits prior to handling, transporting, and/or receiving impacted media.

All operators responsible for the removal and disposal of contaminated media shall comply with the applicable Federal, State, and local laws and regulations and policies. The Contractor shall provide the owner with documentation that the receiving facility is permitted to receive the accepted waste and the waste transporter is permitted to haul such wastes.

4.4 Waste Disposal Documentation

Documentation of proper disposal, including copies of all waste disposal manifests and disposal facility receipts shall be provided to the Site owner in a reasonable timeframe subsequent to removal of regulated materials from the Site.

4.5 Follow-up Sampling

In the event that petroleum impacts or other impacts (other than typical urban fill material) are excavated, subsequent to removal of such impacts, post-excavation confirmatory soil samples will be collected in accordance with the requirements of NYSDEC DER-10 Section 5.4(b)(5).

4.6 Encountering Orphan Underground Storage Tanks or Other Subsurface Structures of Environmental Concern

Should orphan UST(s) be encountered during subsurface activities at the Site, a specialty tank removal contractor (licensed to remove tanks within the City of Rochester) should be retained to decommission any tanks in accordance with applicable regulations. Removal of certain types of petroleum storage tanks is regulated by NYSDEC under 6 NYCRR Part 613, which requires that tanks out of use for 12 months or longer be closed in place or removed. If petroleum impacted soil and groundwater are encountered during the tank removal work, petroleum impacted soil shall be managed in accordance with Section 4.0.

4.7 NYSDEC Notification

Upon discovery of any petroleum-impacted media the NYSDEC Spills Hotline (1-800-457-7362 as of July 2019) must be notified within two (2) hours of discovery. Notification to the NYSDEC will be the responsibility

of the Owner of the Site at the time when the petroleum-impacted media is discovered, but notification may be made by third-party representatives of the Owner (such as the contractor who encountered the contamination, the Owner's legal counsel and/or an environmental consultant who has been retained by the Owner).

4.8 Water Management

Based on the Phase II ESA testing, there are low-level VOCs and SVOCs in groundwater at the Site. Based on this, groundwater and/or water that enters excavations will require proper management and disposal. In the event that groundwater is encountered during intrusive activities, the water should be pumped to a holding tank and waste characterization testing completed. Waste characterization analysis parameters will be dependent upon the accepting waste disposal facility or municipal sewer discharge requirements. Upon characterization and disposal facility/municipal approval, this water will be managed in one of the following ways:

1. Disposal to sanitary sewer under permit with Monroe County Pure Waters; or
2. Transportation and off-Site disposal at an approved facility.

5.0 DECONTAMINATION OF EQUIPMENT

It is recommended that all equipment used on the work site and that comes in contact with impacted soil be decontaminated using manual methods to scrape off residual soil from construction activities. Impacted soil removed from equipment should be collected and staged with any impacted soil that has been excavated and is being managed as part of this plan. Persistent residue may require steam cleaning or other methods.

6.0 AIR MONITORING

In the event that subsurface work encounters regulated materials or petroleum/chemical impacts, air monitoring is recommended to identify and quantify airborne levels of hazardous substances and health hazards in order to determine the appropriate level of employee protection required for personnel working onsite. Refer to the HASP included in Appendix 5 for a description of personal protective equipment (PPE).

The Air Monitor will utilize a PID to screen the ambient air in the work areas for total VOCs. Work area ambient air will generally be monitored in the work area and downwind of the work area.

7.0 HEALTH AND SAFETY PLAN

This EMP contains a Site Specific HASP for the Site. The included HASP has been developed by LaBella Associates, D.P.C. is designated for **LaBella personnel only** should they be involved in future intrusive site work. A copy of this HASP is included in Appendix 5.

The LaBella Associates, D.P.C. HASP is included as an example. The Contactor(s) will need to develop and rely on their own HASP to manage health and safety issues associated with potential exposure to site chemicals of concern and any other potential issues. LaBella Associates, D.P.C. assumes no liability for the health and safety of personnel not employed or subcontracted by LaBella Associates, D.P.C.

8.0 COMMUNITY AIR MONITORING PLAN (CAMP)

Based on the previous work, there are some low-level concentrations of metals that have been detected in soil at the Site and low-level VOCs in soil and groundwater at the Site. As such, it is recommended that community air monitoring be implemented whenever regulated materials are encountered. A qualified environmental monitor is recommended to perform particulate and VOC ambient air monitoring during ground intrusive activities that encounter regulated materials. It is recommended that the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan included as Appendix 1A in the NYSDEC Department of Environmental Remediation DER-10 guidance document be utilized. A copy of this plan is included in Appendix 6.

The CAMP will be implemented during intrusive work that will disturb known contamination or solid waste (i.e., urban fill at the Site) and when these materials are encountered in areas where the subsurface conditions are currently unknown. It should be noted that the air monitoring may identify elevated levels of VOCs or fugitive dust that may require mitigation. In this event the Contractor will be required to implement dust and VOC suppression measures as directed by the environmental professional that may include the following methods:

- Application of water on haul roads;
- Wetting equipment and excavation faces;
- Restricting vehicle speeds to 10 mph;
- Hauling material in properly tarped containers;
- Spraying water in buckets during excavation and dumping;
- Reducing excavation size and/or number of excavations.

The Contractor shall have an on-Site designated water truck or other dust suppression system. The Contractor shall obtain any necessary permits for hydrant usage, etc.

9.0 ENGINEERING CONTROLS

Prior to the construction of any enclosed structures (e.g., buildings) on the Site, the potential for soil vapor intrusion (SVI) must be evaluated and any potential SVI impacts that are identified must be mitigated. Mitigation measures may include, but are not limited to, the use of engineering controls such as a vapor barrier and sub-slab depressurization system.

The Phase II ESA performed by Ravi noted the presence of VOCs in groundwater at the Site. In the event that the Site is developed in the future, soil vapor intrusion (SVI) should be investigated or a sub-slab depressurization system (SSDS) should be installed on any building to mitigate potential SVI concerns. Any SVI investigation work or SSDS designs shall be conducted in accordance with the New York State Department of Health's (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, 2006.

10.0 INSTITUTIONAL CONTROLS

As an institutional control, the Site is flagged in the City Building Information System (BIS), which requires the City's Division of Environmental Quality (DEQ) to be consulted prior to issuing permits for the Site. This institutional control ensures that the environmental conditions at the Site are evaluated prior to new construction. If a permit is approved that has the potential to result in encountering impacted material,

City DEQ will provide a copy of this EMP to the involved parties, notify the involved parties of the environmental conditions at the Site, and require the work to be completed in accordance with the SMP.

Chapter 59 (Health and Sanitation), Article II (Nuisances and Sanitation), Part 59-27 (Water Supply) of the City Code has been interpreted to represent an institutional control that prohibits groundwater within the City limits, including the Site, from being used as a source of potable water.

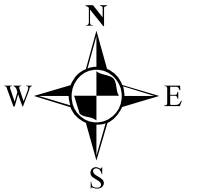
\\Projects2\ProjectsNZ-2\Rochester, City\2200085 - 101-113 Franklin st EMP\Reports\2200085 - 101-113 Franklin and 106 Pleasant Final EMP.docx



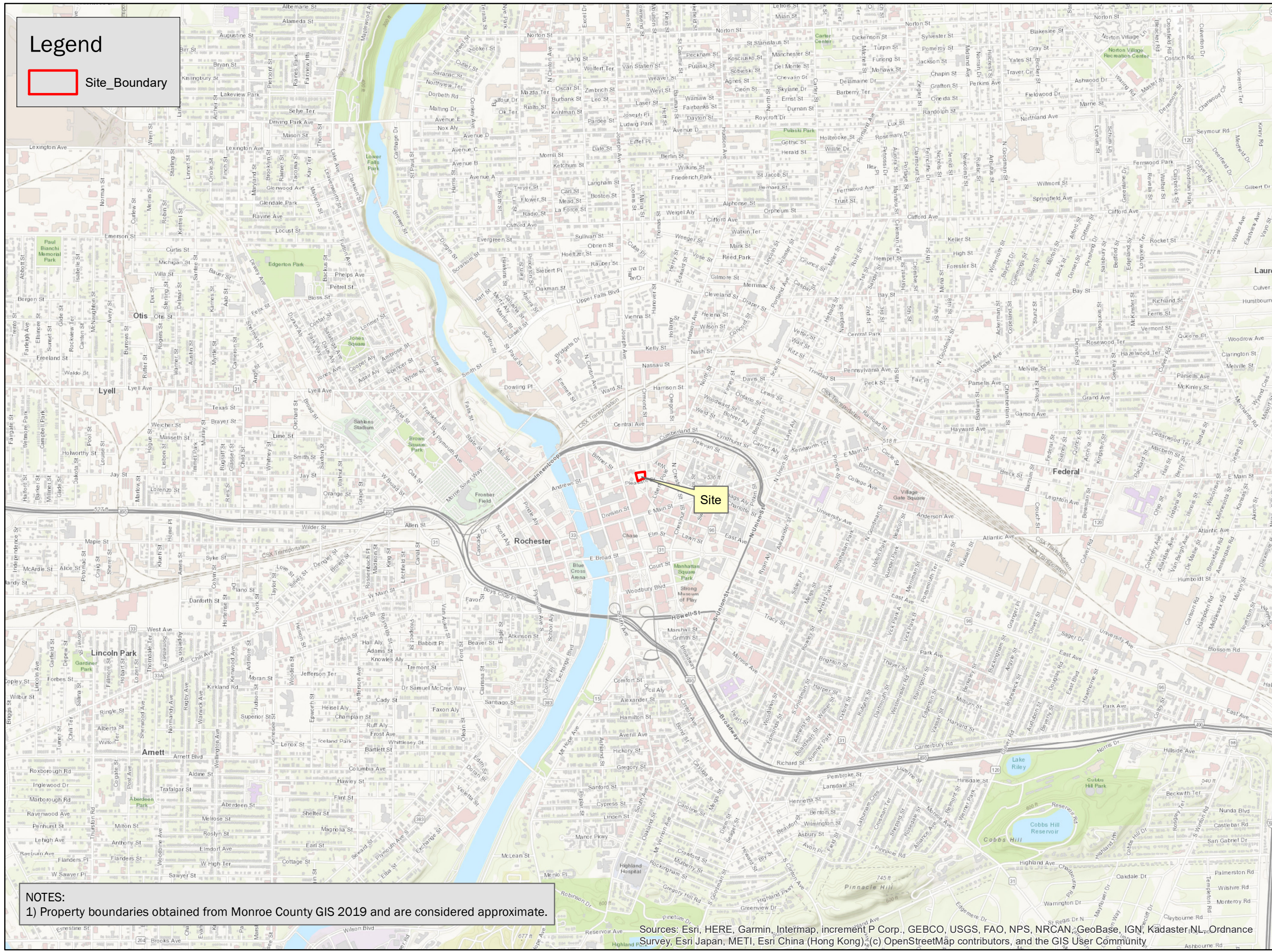
FIGURES

Legend

Site_Boundary



0 1,000 2,000
 Feet
 1 inch = 2,000 feet
 INTENDED TO PRINT AS: 11" X 17"



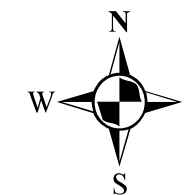
Site

NOTES:
 1) Property boundaries obtained from Monroe County GIS 2019 and are considered approximate.

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

CLIENT:
CITY OF ROCHESTER
 PROJECT:
**ENVIRONMENTAL
 MANAGEMENT
 PLAN**
**101-113 FRANKIN ST &
 106 PLEASANT ST**
 DRAWING NAME:
**SITE
 LOCATION
 MAP**

PROJECT #/DRAWING #/ DATE
P2200085
FIGURE 1
 12/10/2019



0 15 30
Feet
1 inch = 30 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:

CITY OF ROCHESTER

PROJECT:
**ENVIRONMENTAL
MANAGEMENT
PLAN**

**101-113 FRANKIN ST &
106 PLEASANT ST**

DRAWING NAME:

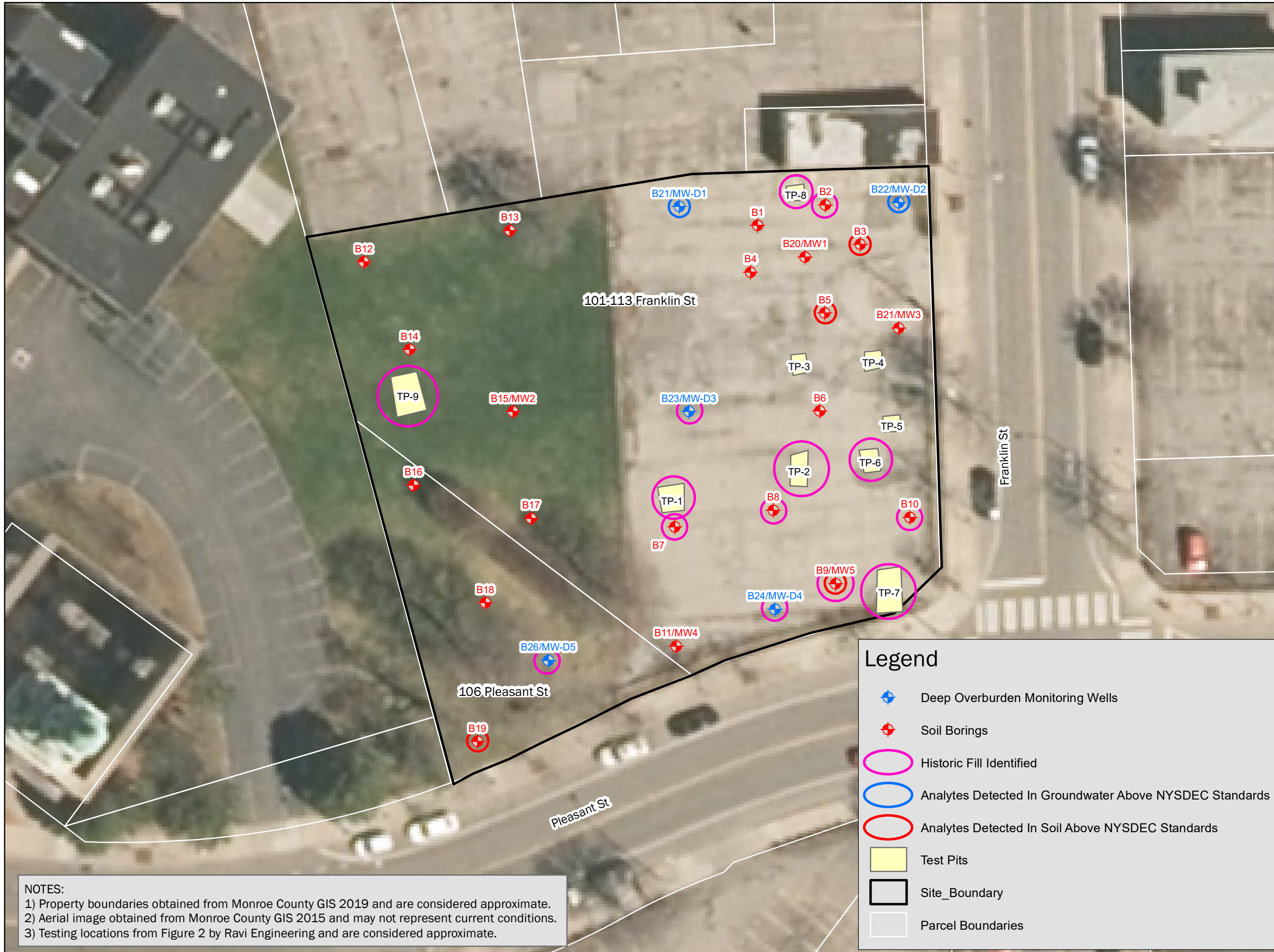
**SUBSURFACE
INVESTIGATION
MAP**

PROJECT #/DRAWING #/ DATE

[P2200085]

[FIGURE 2]

12/10/2019

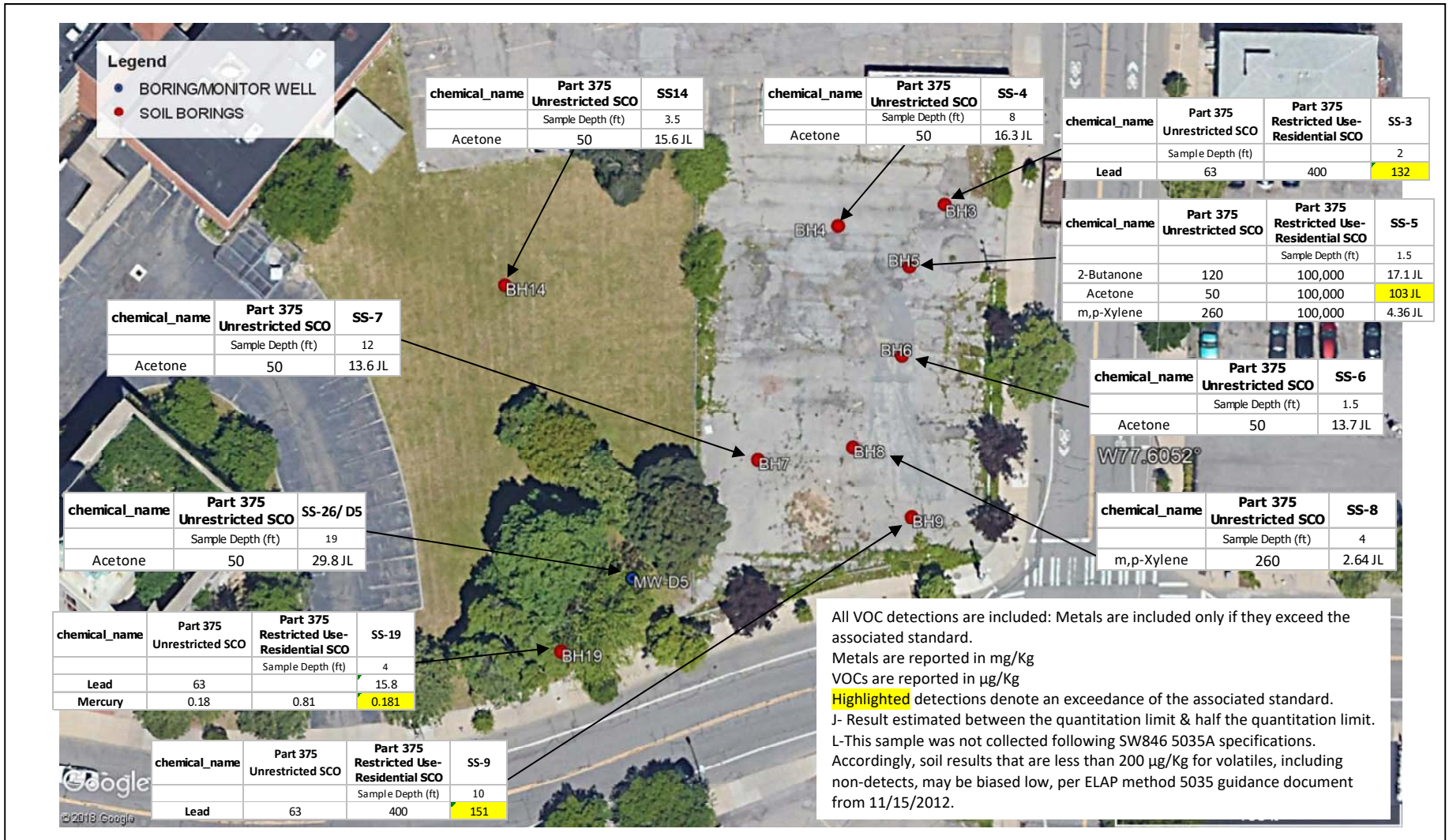



NOTES:
1) Property boundaries obtained from Monroe County GIS 2019 and are considered approximate.
2) Aerial image obtained from Monroe County GIS 2015 and may not represent current conditions.
3) Testing locations from Figure 2 by Ravi Engineering and are considered approximate.



APPENDIX 1

Summary of Previous Investigation Analytical Data



 2110 S. CLINTON AVENUE, SUITE 1 ROCHESTER, NEW YORK 14618 TL: (585) 223-3660 FX: (585) 697-1764	City of Rochester Phase II Environmental Site Assessment	Project No.. 4519005 C	Figure No: 4
	FIGURE 4: VOLATILE ORGANIC COMPOUND DETECTIONS & METAL EXCEEDANCES IN SOIL 101-113 Franklin Street and 106 Pleasant Street	Scale: NTS	Date: Sept 2019




 <p>2110 S. CLINTON AVENUE, SUITE 1 ROCHESTER, NEW YORK 14618 TL: (585) 223-3660 FX: (585) 697-1764</p>	<p>City of Rochester Phase II Environmental Site Assessment</p>	<p>Project No.. 4519005 C</p>	<p>Figure No: 5</p>
	<p>FIGURE 5: VOLATILE ORGANIC COMPOUND & SEMIVOLATILE ORGANIC COMPOUND DETECTIONS IN GROUNDWATER 101-113 Franklin Street and 106 Pleasant Street</p>	<p>Scale: NTS</p>	<p>Date: August 2019</p>

Table 3: Summary of Detected Compounds in Groundwater
City of Rochester
101-113 Franklin Street, 106 Pleasant Streatt
Rochester NY 14604

<u>cas_rn</u>	<u>chemical_name</u>	TOGS 1.1.1	MW-1	MW-4	MW-D1	MW-D2	MW-D3	MW-D4	MW-D5
VOCs									
67-64-1	Acetone	50	7.64 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
156-59-2	cis-1,2-Dichloroethene	5	<2.0	<2.0	<2.00	12.5	<2.00	<2.00	<2.00
79-01-6	Trichloroethene	5	<2.0	<2.0	<2.00	2.27	<2.00	<2.00	<2.00
SVOCs									
105-60-2	Caprolactam	NS	--	850	<10.0	<10.0	<10.0	<10.0	<10.0
84-66-2	Diethyl phthalate	50*	--	<100	51.7	59.4	31.4	22.9	23.2
Metals									
7429-90-5	Aluminum	100	--	--	<0.100	0.217	--	--	--
7440-39-3	Barium	1000	--	--	0.155	0.133	--	--	--
7440-70-2	Calcium	NS	--	--	132	88.5	--	--	--
7439-89-6	Iron	300	--	--	<0.100	0.733	--	--	--
7439-95-4	Magnesium	35,000*	--	--	24.8 M	29.4	--	--	--
7439-96-5	Manganese	300	--	--	0.138	0.154	--	--	--
7440-09-7	Potassium	NS	--	--	7.41 M	10.7	--	--	--
7440-23-5	Sodium	20,000	--	--	154	825	--	--	--

Units are in µg/L

Bold result indicates the analyte was detected by laboratory analysis

Highlighted result is above the associated standard

<=<=Analyzed for but not detected at or above the quantitation limit.

J=Result estimated between the quantitation limit & half the quantitation limit.

-- Sample not analyzed for the associated constituents



APPENDIX 2

Day Environmental, Inc.
Phase I Environmental Site Assessment

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- Appendix I: Environmental Records
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□

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this report is to provide an overview of the project and its objectives. This report will discuss the scope of the project, the methodology used, and the results obtained. The project was conducted in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13. One of the primary goals of the project was to identify any potential environmental concerns that may be associated with the site. The results of the project are presented in this report and are intended to provide a clear understanding of the current state of the site and any potential risks that may be present.

□

The project was conducted in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13. The project was conducted in accordance with the following methodology: (1) a review of historical aerial photographs and maps; (2) a visual inspection of the site; (3) interviews with site personnel; and (4) a review of any available records. The results of the project are presented in this report and are intended to provide a clear understanding of the current state of the site and any potential risks that may be present.

□

The project was conducted in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13. The project was conducted in accordance with the following methodology: (1) a review of historical aerial photographs and maps; (2) a visual inspection of the site; (3) interviews with site personnel; and (4) a review of any available records. The results of the project are presented in this report and are intended to provide a clear understanding of the current state of the site and any potential risks that may be present.

□

2.2 SCOPE-OF-SERVICES

□

The scope of services for this project was to conduct a Phase I Environmental Site Assessment in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13. The project was conducted in accordance with the following methodology: (1) a review of historical aerial photographs and maps; (2) a visual inspection of the site; (3) interviews with site personnel; and (4) a review of any available records. The results of the project are presented in this report and are intended to provide a clear understanding of the current state of the site and any potential risks that may be present.

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The project was conducted in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13. The project was conducted in accordance with the following methodology: (1) a review of historical aerial photographs and maps; (2) a visual inspection of the site; (3) interviews with site personnel; and (4) a review of any available records. The results of the project are presented in this report and are intended to provide a clear understanding of the current state of the site and any potential risks that may be present.

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¹ The ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13 defines *recognized environmental condition* as: "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

□

3.0 SITE DESCRIPTION

The subject property is located in the City of ...
 The subject property is located in the County of ...
 The subject property is located in the State of ...
 The subject property is located in the Tax Account # ...
 The subject property is located in the Parcel Size ...
 The subject property is located in the Improvements ...
 The subject property is located in the Current Use ...
 The subject property is located in the Property Boundaries ...
 The subject property is located in the Legal Description ...
 The subject property is located in the Vicinity General Characteristics ...

3.1 LOCATION, LEGAL DESCRIPTION, AND GENERAL CHARACTERISTICS

ADDRESS: [Address details]

MUNICIPALITY: [Municipality details]

COUNTY/STATE: [County/State details]

TAX ACCOUNT #: [Tax Account # details]

PARCEL SIZE: [Parcel Size details]

IMPROVEMENTS: [Improvements details]

CURRENT USE: [Current Use details]

PROPERTY BOUNDARIES:

[Property Boundaries details]

LEGAL DESCRIPTION:

[Legal Description details]

VICINITY GENERAL CHARACTERISTICS:

[Vicinity General Characteristics details]

5.0 RECORDS REVIEW (Cont.)

<input type="checkbox"/>	NYSDEC IHWDS (Active Sites Only) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC HSWDS <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SWF <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC PBS <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC MOSF <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC CBS <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	State Institutional Control/Engineering Control Registries <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC Voluntary Cleanup Sites (Active Sites Only) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC Brownfield Sites (Active Sites Only) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC Environmental Restoration Program Sites (Active Sites Only) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Sites Subject to Environmental Easements <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Federal UST <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	NYSDEC Regulated Oil & Gas Wells <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Federal Brownfield Sites <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5.0 RECORDS REVIEW (Cont.)

Records Review (Cont.)

Records Review (Cont.)

Records Review (Cont.)

Records Review (Cont.)

Records Review (Cont.)

Records Review (Cont.)

5.0 RECORDS REVIEW (Cont.)

[Redacted text block]

5.3 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

REGULATORY DATABASE/AGENCY	Assessed Property	Nearby Properties (Radius Searched)	Notes
NYSDEC FOIL [Redacted]	[Redacted]	[Redacted]	[Redacted]
Monroe County Health Dept. FOIL [Redacted]	[Redacted]	[Redacted]	[Redacted]
City of Rochester FOIL [Redacted]	[Redacted]	[Redacted]	[Redacted]

[Redacted text block]

[Redacted text block]

5.0 RECORDS REVIEW (Cont.)

<input type="checkbox"/> Historical Use Information Regarding the Assessed Property	<input type="checkbox"/> Sanborn Maps – Assessed Property	<input type="checkbox"/> Aerial Photographs – Assessed Property
<input type="checkbox"/> Sanborn Maps – Assessed Property	<input type="checkbox"/> Historical Use Information Regarding the Assessed Property	<input type="checkbox"/> Aerial Photographs – Assessed Property

Sanborn Maps – Assessed Property **Historical Use Information Regarding the Assessed Property** **Aerial Photographs – Assessed Property**

Sanborn Maps – Assessed Property **Historical Use Information Regarding the Assessed Property** **Aerial Photographs – Assessed Property**

5.5.1 Historical Use Information Regarding the Assessed Property

(5.5.1.1) Aerial Photographs – Assessed Property

Aerial Photographs – Assessed Property **Historical Use Information Regarding the Assessed Property** **Aerial Photographs – Assessed Property**

Aerial Photographs – Assessed Property **Historical Use Information Regarding the Assessed Property** **Aerial Photographs – Assessed Property**

Aerial Photographs – Assessed Property **Historical Use Information Regarding the Assessed Property** **Aerial Photographs – Assessed Property**

Aerial Photographs – Assessed Property **Historical Use Information Regarding the Assessed Property** **Aerial Photographs – Assessed Property**

(5.5.1.2) Sanborn Maps – Assessed Property

Sanborn Maps – Assessed Property **Historical Use Information Regarding the Assessed Property** **Sanborn Maps – Assessed Property**

Sanborn Maps – Assessed Property **Historical Use Information Regarding the Assessed Property** **Sanborn Maps – Assessed Property**

Sanborn Maps – Assessed Property **Historical Use Information Regarding the Assessed Property** **Sanborn Maps – Assessed Property**

5.0 RECORDS REVIEW (Cont.)

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5.0 RECORDS REVIEW (Cont.)

(5.5.1.4) City Directories – Assessed Property

City Directories – Assessed Property

- City Directories – Assessed Property

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- City Directories – Assessed Property

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City Directories – Assessed Property

5.5.2 Historical Use Information Regarding Adjoining Properties

(5.5.2.1) Aerial Photographs – Adjoining Properties

Aerial Photographs – Adjoining Properties

City Directories – Assessed Property

City Directories – Assessed Property

City Directories – Assessed Property

City Directories – Assessed Property

City Directories – Assessed Property

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City Directories – Assessed Property

5.0 RECORDS REVIEW (Cont.)

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...d...d...d...d...

(5.5.2.3) Historical Maps – Adjoining Properties

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5.0 RECORDS REVIEW (Cont.)

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5.0 RECORDS REVIEW (Cont.)

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□ [Redacted text]

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□ [Redacted text]

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□ [Redacted text]

□

(5.5.2.4) City Directories – Adjoining Properties

□

□ [Redacted text]

□

□ [Redacted text]

□

□ [Redacted text]

□

□

5.0 RECORDS REVIEW (Cont.)

On the date of this report, the records were reviewed for the period of [redacted] to [redacted]. The records reviewed included [redacted]. The records reviewed included [redacted].

The records reviewed included [redacted]. The records reviewed included [redacted]. The records reviewed included [redacted].

[redacted] records are maintained in the [redacted] system.

5.6 ENVIRONMENTAL LIENS, OR ACTIVITY AND USE LIMITATIONS

The records reviewed included [redacted]. The records reviewed included [redacted]. The records reviewed included [redacted].

The records reviewed included [redacted]. The records reviewed included [redacted]. The records reviewed included [redacted].

5.7 PREVIOUS ENVIRONMENTAL REPORTS AND DOCUMENTS

The records reviewed included [redacted]. The records reviewed included [redacted]. The records reviewed included [redacted].

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

5.0 RECORDS REVIEW (Cont.)

- 22 records were reviewed and found to be accurate and complete. No discrepancies were identified.

□

Records were reviewed and found to be accurate and complete. No discrepancies were identified.

□

Records were reviewed and found to be accurate and complete. No discrepancies were identified.

□

Records were reviewed and found to be accurate and complete. No discrepancies were identified.

5.8 VAPOR MIGRATION

□

Records were reviewed and found to be accurate and complete. No discrepancies were identified.

□

□

□

Records were reviewed and found to be accurate and complete.

□

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Records were reviewed and found to be accurate and complete.

Records were reviewed and found to be accurate and complete.

Records were reviewed and found to be accurate and complete.

Records were reviewed and found to be accurate and complete.

Records were reviewed and found to be accurate and complete.

□

Records were reviewed and found to be accurate and complete.

6.0 SITE RECONNAISSANCE (Cont.)

(6.3.17) Drains

Recognized Environmental Condition Not Identified

[Redacted text]

(6.3.18) Material Storage

Recognized Environmental Condition Not Identified

[Redacted text]

6.4 INTERIOR OBSERVATIONS

[Redacted text]

6.5 ADJOINING PROPERTIES

[Redacted text]

North: [Redacted text]

Northwest: [Redacted text]

Northeast: [Redacted text]

South: [Redacted text]

Southeast: [Redacted text]

East: [Redacted text]

West: [Redacted text]

[Redacted text]

9.0 FINDINGS / OPINIONS

9.1 Recognized Environmental Conditions

[Redacted text]

(9.1.1) Historical Use of the Assessed Property / Documented Installation of Gasoline Pumps on the Assessed Property

[Redacted text]

[Redacted text]

[Redacted text]

(9.1.2) Historical Uses of Adjoining/Nearby Properties

[Redacted text]

- Bulleted list of redacted text

□

9.0 FINDINGS / OPINIONS (Cont.)

□

- □ [REDACTED]
- □ [REDACTED]
- □ [REDACTED]

□

□ [REDACTED]

□

□ [REDACTED]

□

9.2 Notes

□ [REDACTED]

□

(9.2.1) Asphalt Patch on the Assessed Property

□

□ [REDACTED]

□

□ [REDACTED]

□ [REDACTED]

□ [REDACTED]

□ [REDACTED]

□

□ [REDACTED]

□

□ [REDACTED]

□ [REDACTED]

□ [REDACTED]

□ [REDACTED]

10.0 CONCLUSIONS

[Redacted text block 1]

[Redacted text block 2]

[Redacted text block 3]

[Redacted text block 4]

[Redacted text block 5]

[Redacted text block 6]

[Redacted text block 7]

[Redacted text block 8]

- [Redacted bulleted item 1]
- [Redacted bulleted item 2]

[Redacted text block 9]

[Redacted text block 10]

11.0 DEVIATIONS / LIMITATIONS

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

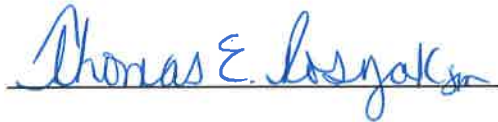
[Redacted text]

[Redacted text]

[Redacted text]

13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Day Environmental, Inc.
Thomas E. Roszak, Assessor
Phase I ESA Group

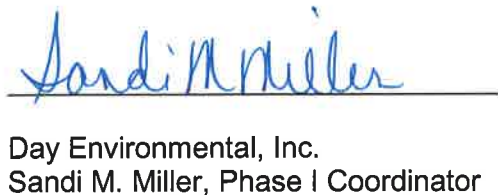
The following representatives of DAY also contributed to the completion of this Phase I ESA report:



Day Environmental, Inc.
Timothy K. Hampton, Project Reviewer



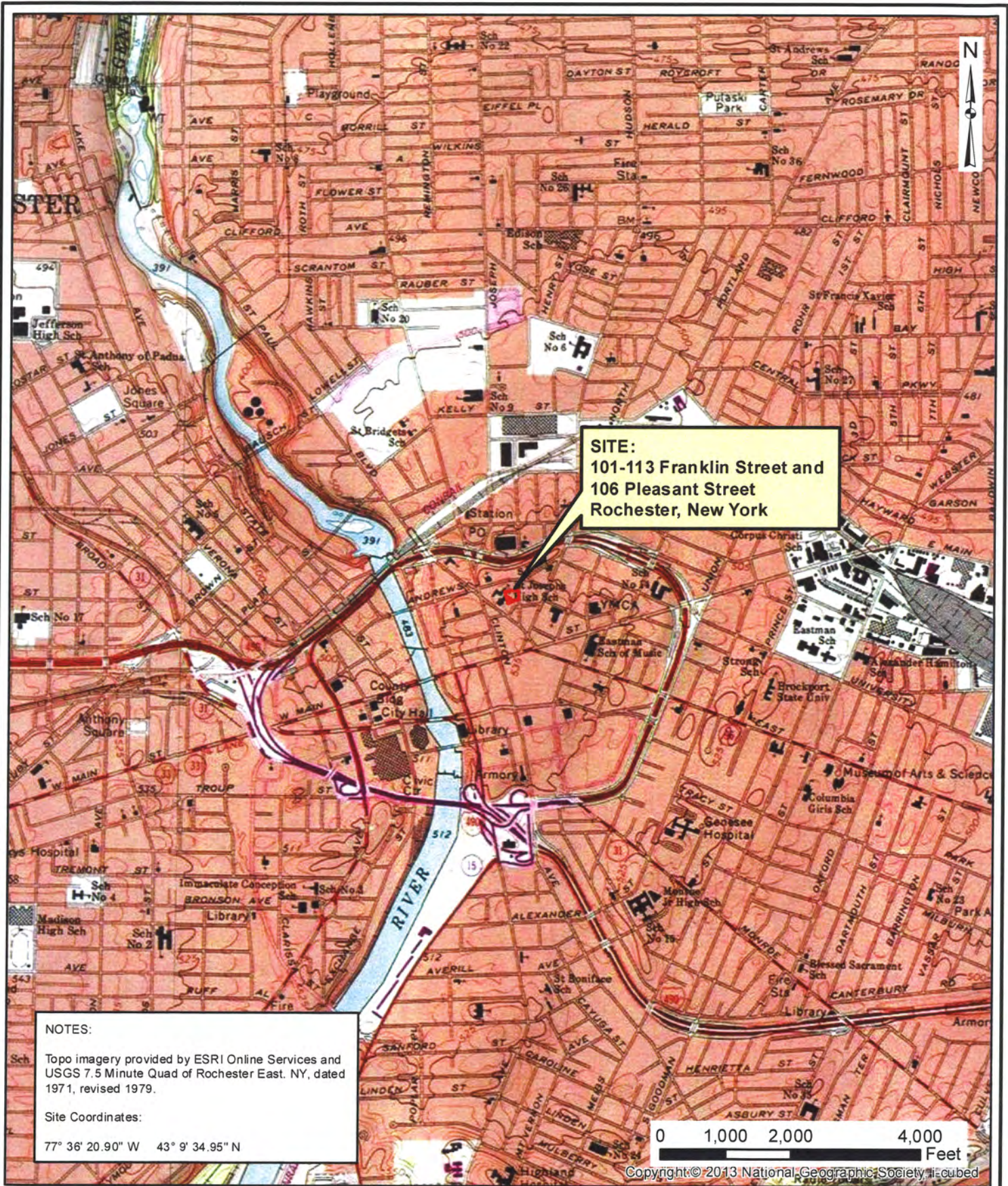
Day Environmental, Inc.
Hanna M. Miller, Assessor



Day Environmental, Inc.
Sandi M. Miller, Phase I Coordinator

The qualifications of the Environmental Professional and other personnel who conducted portions of this Phase I ESA are presented in Appendix F.

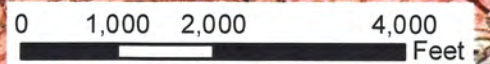
FIGURES



NOTES:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Rochester East, NY, dated 1971, revised 1979.

Site Coordinates:
77° 36' 20.90" W 43° 9' 34.95" N



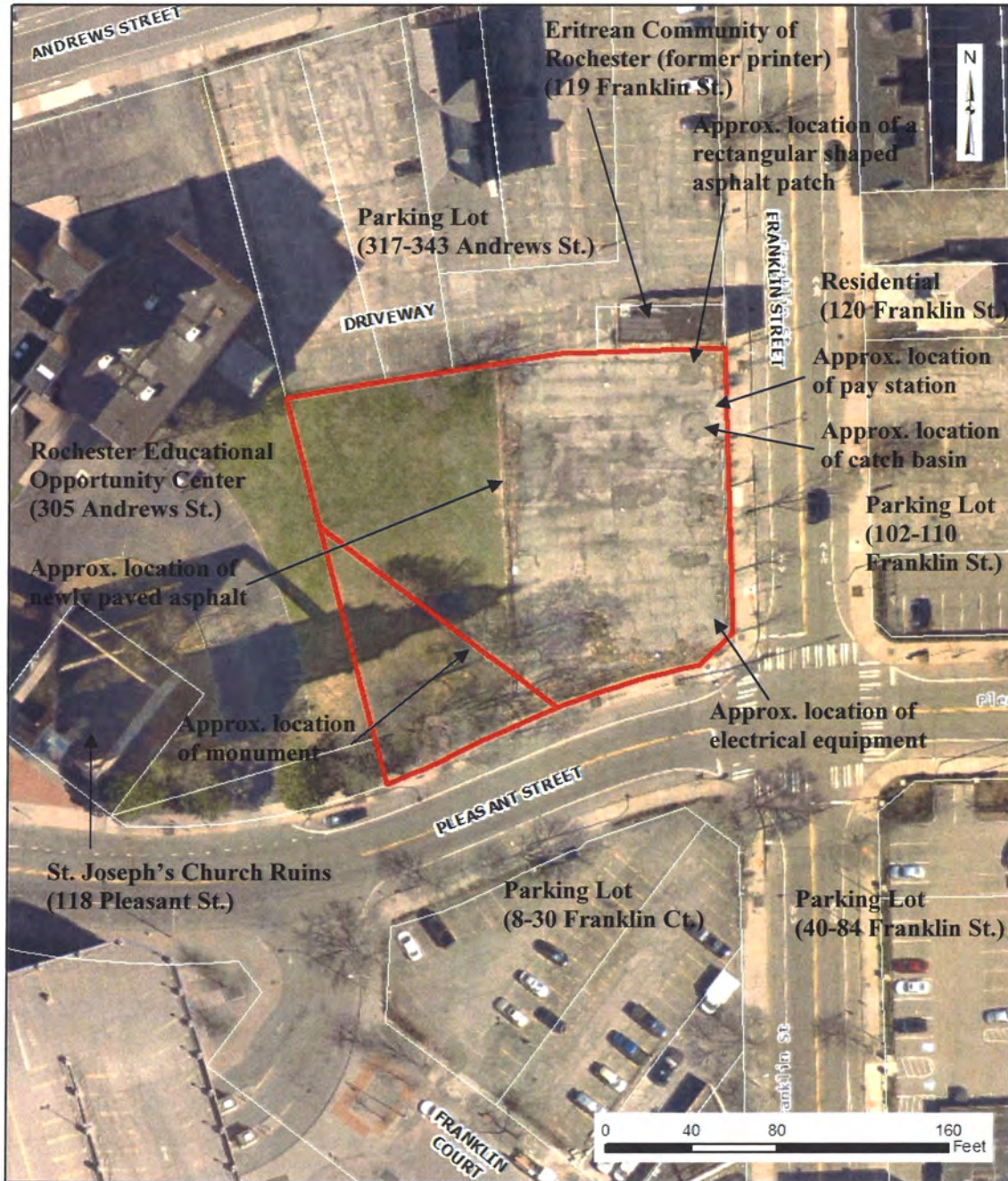
Copyright © 2013 National Geographic Society. All rights reserved.

Date	08-28-2018
Drawn By	CPS
Scale	AS NOTED

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170


Project Title	101-113 FRANKLIN STREET AND 106 PLEASANT STREET ROCHESTER, NEW YORK
	PHASE I ENVIRONMENTAL SITE ASSESSMENT
Drawing Title	Project Locus Map

Project No.	5530E-18
	FIGURE 1



Notes:

- 1) Base photograph provided above was obtained from the NYSGIS Clearinghouse, dated 2018.
- 2) Site sketch based on observations made at the time of the site visit performed by a Day Environmental, Inc. representatives on August 27, 2018 and September 17, 2018.
- 3) The red highlighted area is only a representation of the assessed property, and does not depict the actual property boundaries of the assessed property.

DATE 9/17/2018	 DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606	PROJECT TITLE 101-113 Franklin Street & 106 Pleasant Street Rochester, New York	PROJECT NO. 5530E-18
DRAWN BY HM2		PHASE I ESA	FIGURE 2
SCALE Not to Scale		DRAWING TITLE SITE SKETCH	

APPENDIX A

**USER-PROVIDED INFORMATION
(ATTACHMENT A OF DAY'S PROPOSAL)**

Attachment A: Page 1 of 3
101-113 Franklin Street, Rochester, New York

In order to qualify for one of the Landowner Liability Protections (LLPs)¹ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user of the Phase I ESA must provide the following information (if available). Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Each of the questions below must be completed, to the best of your knowledge, and this form must be returned to DAY with the signed proposal. If any question is answered "yes", please explain in the space provided, or attach a separate sheet if further explanation is required.

- 1) What is the purpose of this Phase I ESA (i.e., potential purchase of property, potential sale of property, refinancing, etc.)?

Potential RFP for development and sale of property

- 2) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? Yes No Unknown

- 3) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? Yes No Unknown

- 4) As the user of this Phase I ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
 Yes No Unknown

- 5) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?
 Yes No Unknown

5a. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Yes No Unknown

¹ Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements") Guide issued on March 6, 2003.

Attachment A: Page 2 of 3
101-113 Franklin Street, Rochester, New York

6) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? Yes No Unknown

Refer to Nov. 2, 2007 Phase I ESA report for Site by Day Env.

(b) Do you know of specific chemicals that are present or once were present at the property?
 Yes No Unknown

(c) Do you know of spills or other chemical releases that have taken place at the property?
 Yes No Unknown

(d) Do you know of any environmental cleanups that have taken place at the property?
 Yes No Unknown

(e) Do you know of any prior environmental reports that have been completed for the property?
 Yes No Unknown If yes, please provide copies of the reports, if available.

See #6(a)

7) As the user of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?
 Yes No Unknown

Attachment A: Page 3 of 3
101-113 Franklin Street, Rochester, New York

In addition, an evaluation of business environmental risk associated with a parcel of commercial real estate may necessitate investigation beyond that identified in ASTM Practice E1527-13. The following considerations are beyond the scope of work for a Phase I ESA, but can be provided at an additional cost. If you would like any of the following addressed as part of the Phase I ESA, please place an "x" on the appropriate line, and DAY will provide an addendum proposal to address the selected issues.

- 1. Suspect Asbestos-Containing Materials (SACM) _____
- 2. Radon _____
- 3. Lead-Based Paint _____
- 4. Lead-in-Drinking Water _____
- 5. Wetlands _____
- 6. Regulatory Compliance _____
- 7. Cultural and Historic Resources _____
- 8. Industrial Hygiene _____
- 9. Health and Safety _____
- 10. Ecological Resources _____
- 11. Endangered Species _____
- 12. Indoor Air Quality _____
- 13. Biological Agents _____
- 14. Mold _____

Attachment A Completed By:

Signature: Joseph Biundolillo

Printed Name: Joseph Biundolillo

Date: 9-4-18

Attachment A: Page 1 of 3
106 Pleasant Street, Rochester, New York

In order to qualify for one of the Landowner Liability Protections (LLPs)² offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user of the Phase I ESA must provide the following information (if available). Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Each of the questions below must be completed, to the best of your knowledge, and this form must be returned to DAY with the signed proposal. If any question is answered "yes", please explain in the space provided, or attach a separate sheet if further explanation is required.

- 1) What is the purpose of this Phase I ESA (i.e., potential purchase of property, potential sale of property, refinancing, etc.)?
RFP for development and sale of property

- 2) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? ___ Yes No ___ Unknown

- 3) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? ___ Yes No ___ Unknown

- 4) As the user of this Phase I ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
___ Yes No ___ Unknown

- 5) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? ___ Yes ___ No Unknown

5a. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?
___ Yes ___ No ___ Unknown

² Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements") Guide issued on March 6, 2003.

Attachment A: Page 2 of 3
106 Pleasant Street, Rochester, New York

6) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? Yes No Unknown

Refer to Nov. 2, 2007 Phase I ESA report for Site by Day Env.

(b) Do you know of specific chemicals that are present or once were present at the property?
 Yes No Unknown

(c) Do you know of spills or other chemical releases that have taken place at the property?

Yes No Unknown

(d) Do you know of any environmental cleanups that have taken place at the property?

Yes No Unknown

(e) Do you know of any prior environmental reports that have been completed for the property?

Yes No Unknown If yes, please provide copies of the reports, if available.

Refer to #6a)

(f) As the user of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? Yes No Unknown

Attachment A: Page 3 of 3
106 Pleasant Street, Rochester, New York

In addition, an evaluation of business environmental risk associated with a parcel of commercial real estate may necessitate investigation beyond that identified in ASTM Practice E1527-13. The following considerations are beyond the scope of work for a Phase I ESA, but can be provided at an additional cost. If you would like any of the following addressed as part of the Phase I ESA, please place an "x" on the appropriate line, and DAY will provide an addendum proposal to address the selected issues.

- 1. Suspect Asbestos-Containing Materials (SACM) _____
- 2. Radon _____
- 3. Lead-Based Paint _____
- 4. Lead-in-Drinking Water _____
- 5. Wetlands _____
- 6. Regulatory Compliance _____
- 7. Cultural and Historic Resources _____
- 8. Industrial Hygiene _____
- 9. Health and Safety _____
- 10. Ecological Resources _____
- 11. Endangered Species _____
- 12. Indoor Air Quality _____
- 13. Biological Agents _____
- 14. Mold _____

Attachment A Completed By:

Signature: Joseph Biondolillo

Printed Name: Joseph Biondolillo

Date: 9-4-18

V-638

LOCATION Franklin Sq. #67
NAME James O'Mara
FOR Parking station

ACTION Approved on condition
MEETING OF May 5, 1932

IF CONDITION, SEE OVER

V-695

LOCATION Franklin Sq. #67
NAME James O'Mara

FOR Install gasoline pumps in existing parking station

ACTION Approved on condition
MEETING OF Aug. 11, 1932

IF CONDITION, SEE OVER

Approved on condition that the pumps be set back at least
25' From the sidewalk

Approved on condition that there be one driveway 20 ft.
width and that suitable obstruction both sides of driveway
to prevent driving in and out

DAY
MEMORANDUM OF INFORMATION PROVIDED

PERSON DAY CALLED: Joe Biondolillo

COMPANY OR AGENCY: City of Rochester

DATE: 9/20/2018

REGARDING: 101-113 Franklin Street and 106 Pleasant Street, Rochester, NY

NOTES:

Mr. Biondolillo stated that he contacted Ms. Karen St. Aubin, City DES Director of Operations, regarding the asphalt patch observed by DAY on the referenced property. According to Mr. Biondolillo, Ms. St. Aubin stated that the patches on the site were created by DES Operations in order to make temporary improvements to the surface asphalt parking lot, and that no underground storage tank (USTs) were encountered or removed.

APPENDIX B
SITE PHOTOGRAPHS



The central portion of the parking lot on the assessed property looking east on 8/27/2018.



The central portion of the parking lot on the assessed property looking north on 8/27/2018.



The central portion of the parking lot on the assessed property looking west on 8/27/2018.



The central portion of the parking lot on the assessed property looking south on 8/27/2018.



A mound of apparent asphalt along the south/central edge of the parking lot on the assessed property on 8/27/2018. (Note, this pile was removed prior to the 9/17/2018 site visit.)



A representative view of debris observed on the southwestern portion of the parking lot on the assessed property on 8/27/2018. (Note, this debris was removed prior to the 9/17/2018 site visit.)



Pay station observed along the northeastern edge of the assessed property looking south.



Electrical equipment located along the southeastern edge of the assessed property looking north.



View of the grassy area of the assessed property from the northern property line looking southwest.



Brick monument of unknown use in treed hedgerow on the southcentral portion of the assessed property looking southwest.



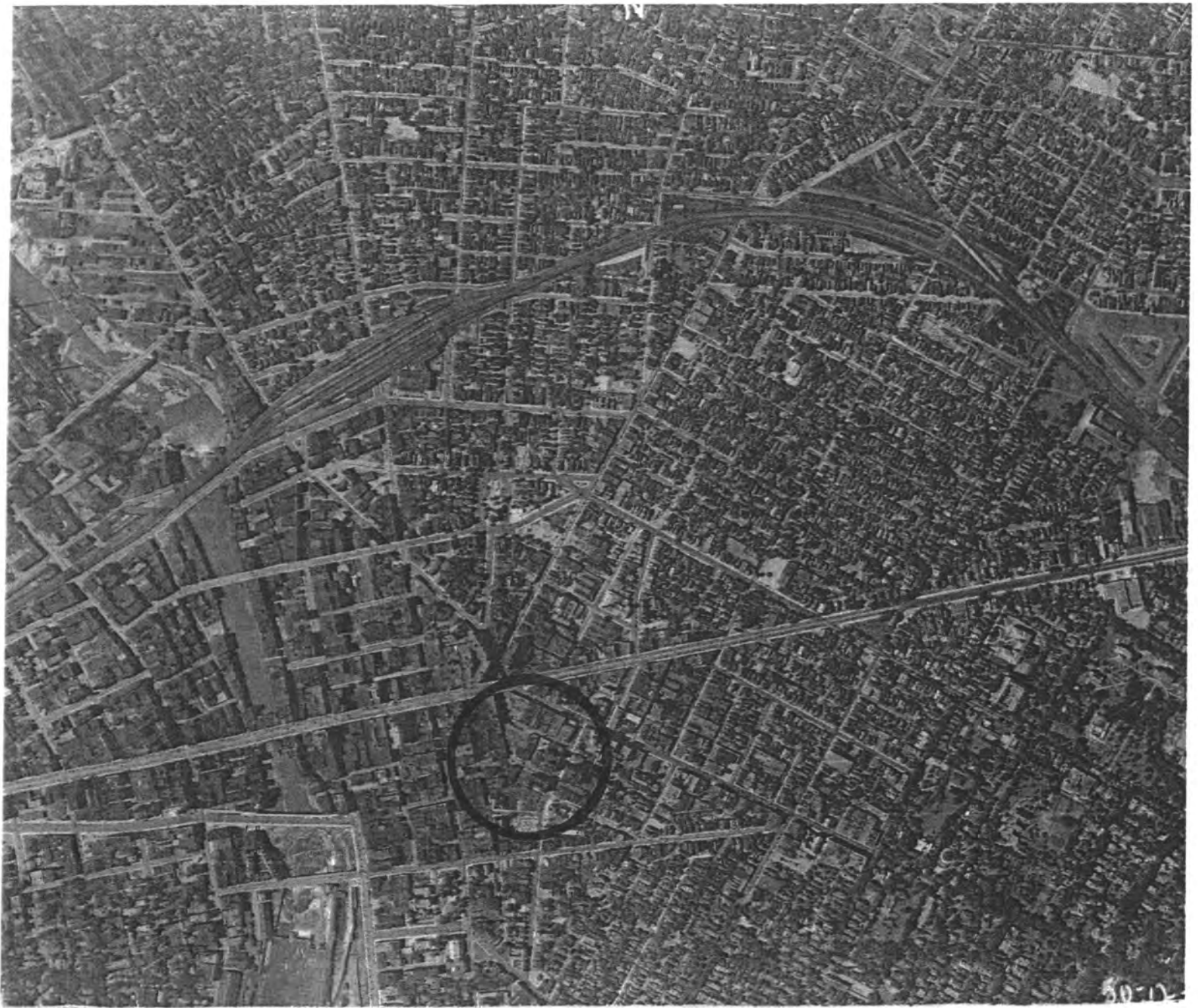
View of newly paved asphalt (observed during the 9/17/2018 site visit) in the central portion of the parking lot on the assessed property looking southwest. The catch basin is also visible.



View of an approximate 8' x 12' rectangular-shaped asphalt patch in the parking lot on the northeastern portion of the assessed property, which could be associated with a former UST, looking northeast.

APPENDIX C

HISTORICAL RESEARCH DOCUMENTATION

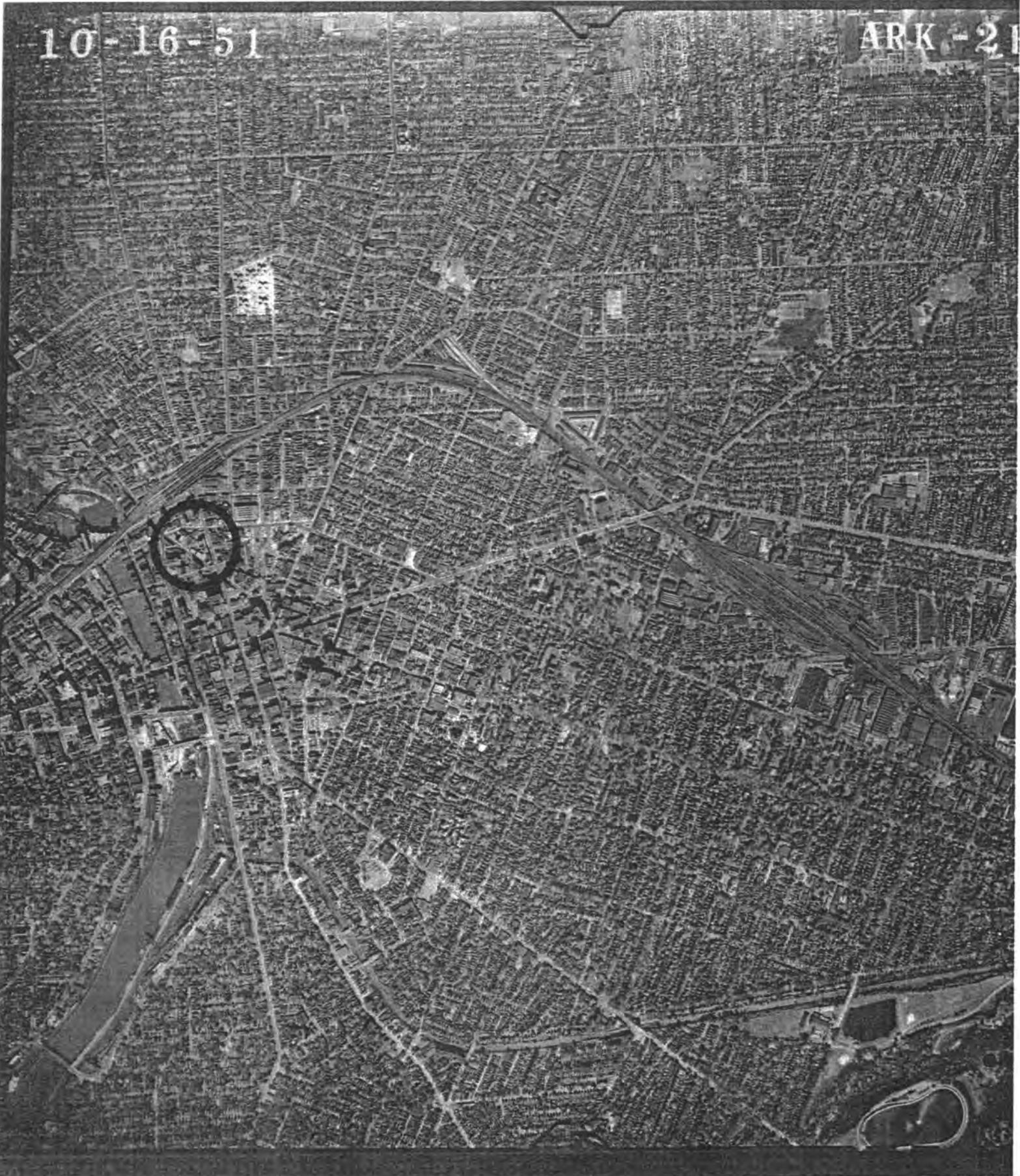


1930

N
7

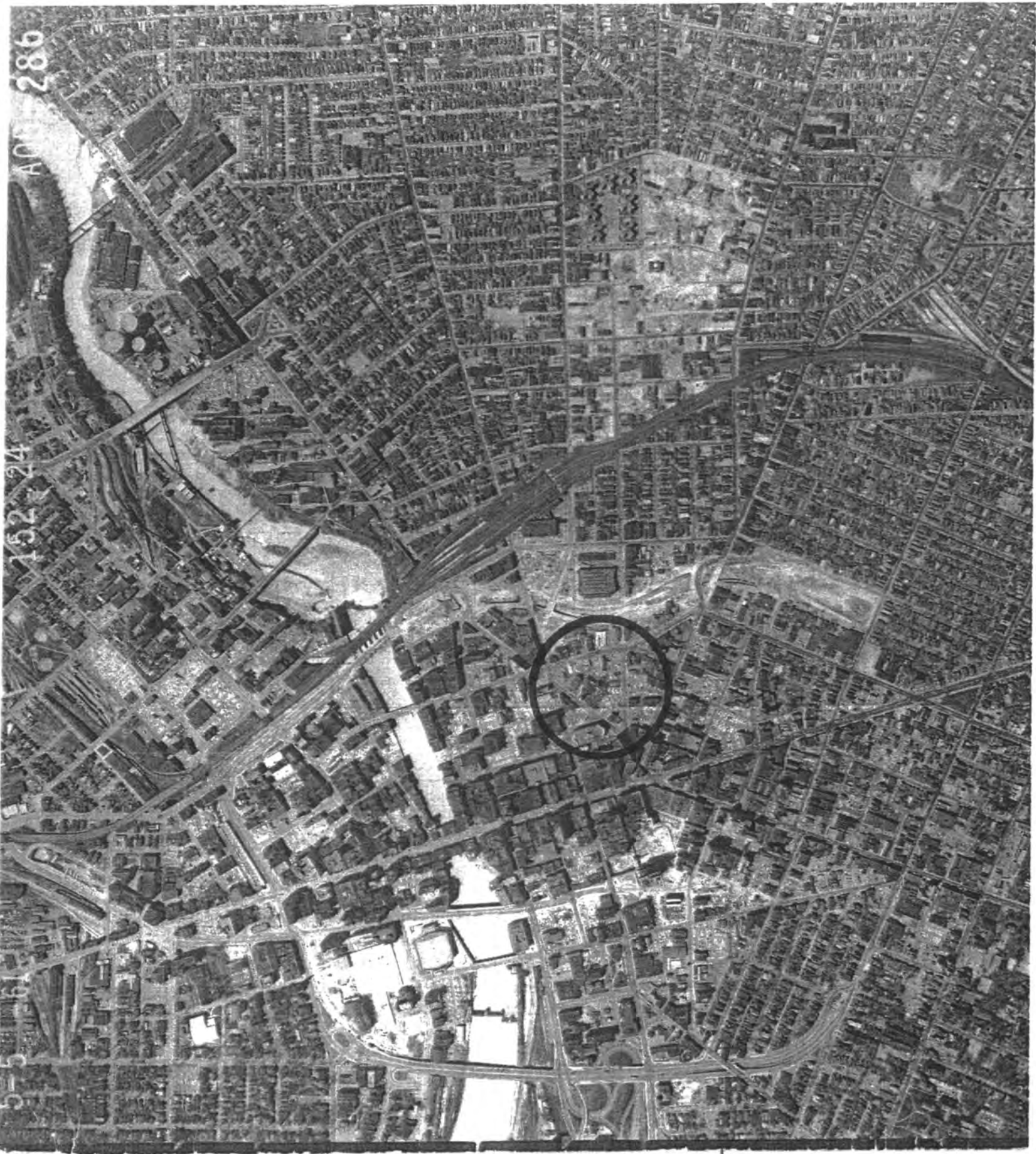
10-16-51

ARK-21



1951

21



AD 286

62-24

61

1961

22



1970

22

3 MAY 75

MON 75

5-0



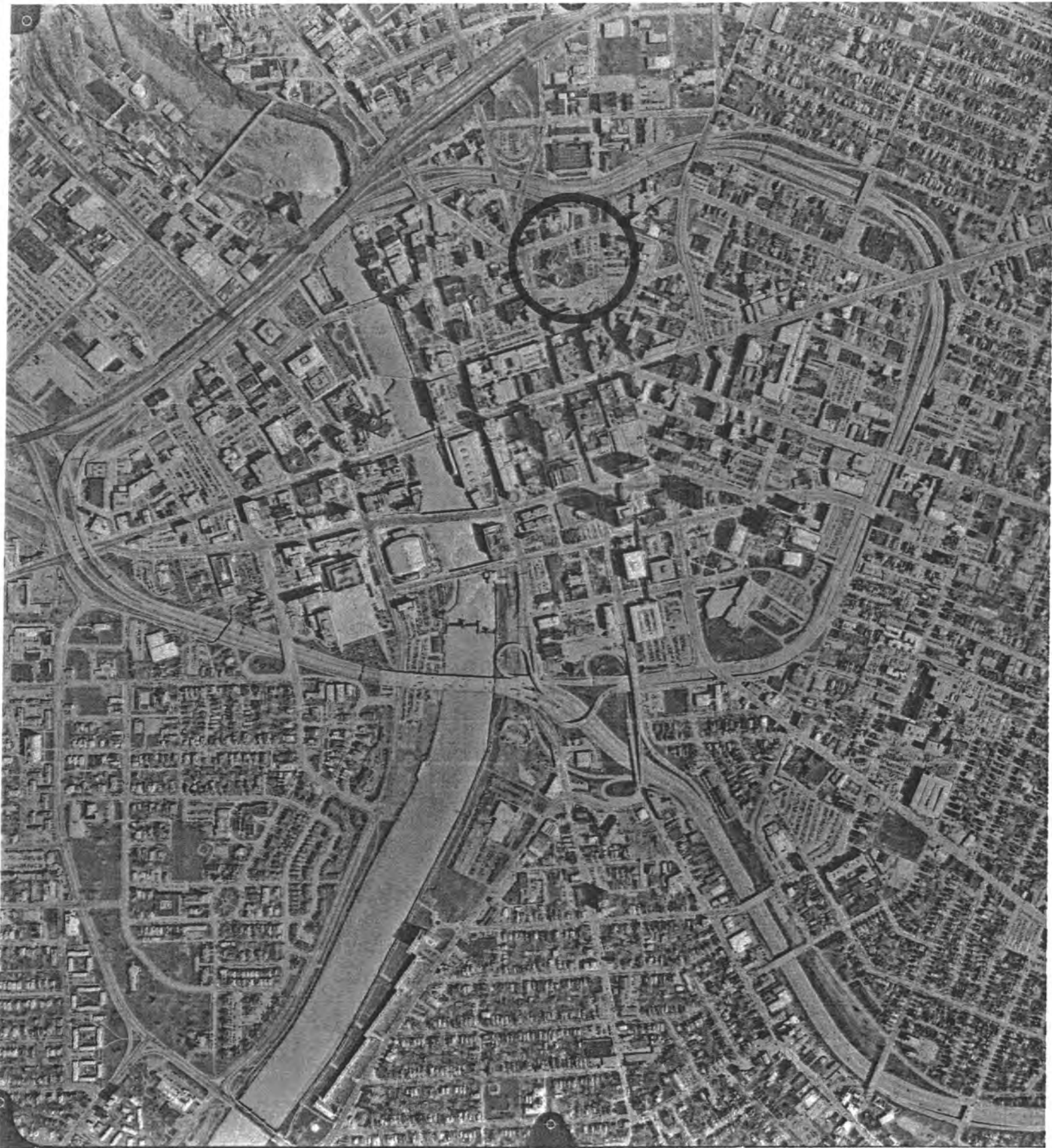
1975

N
1



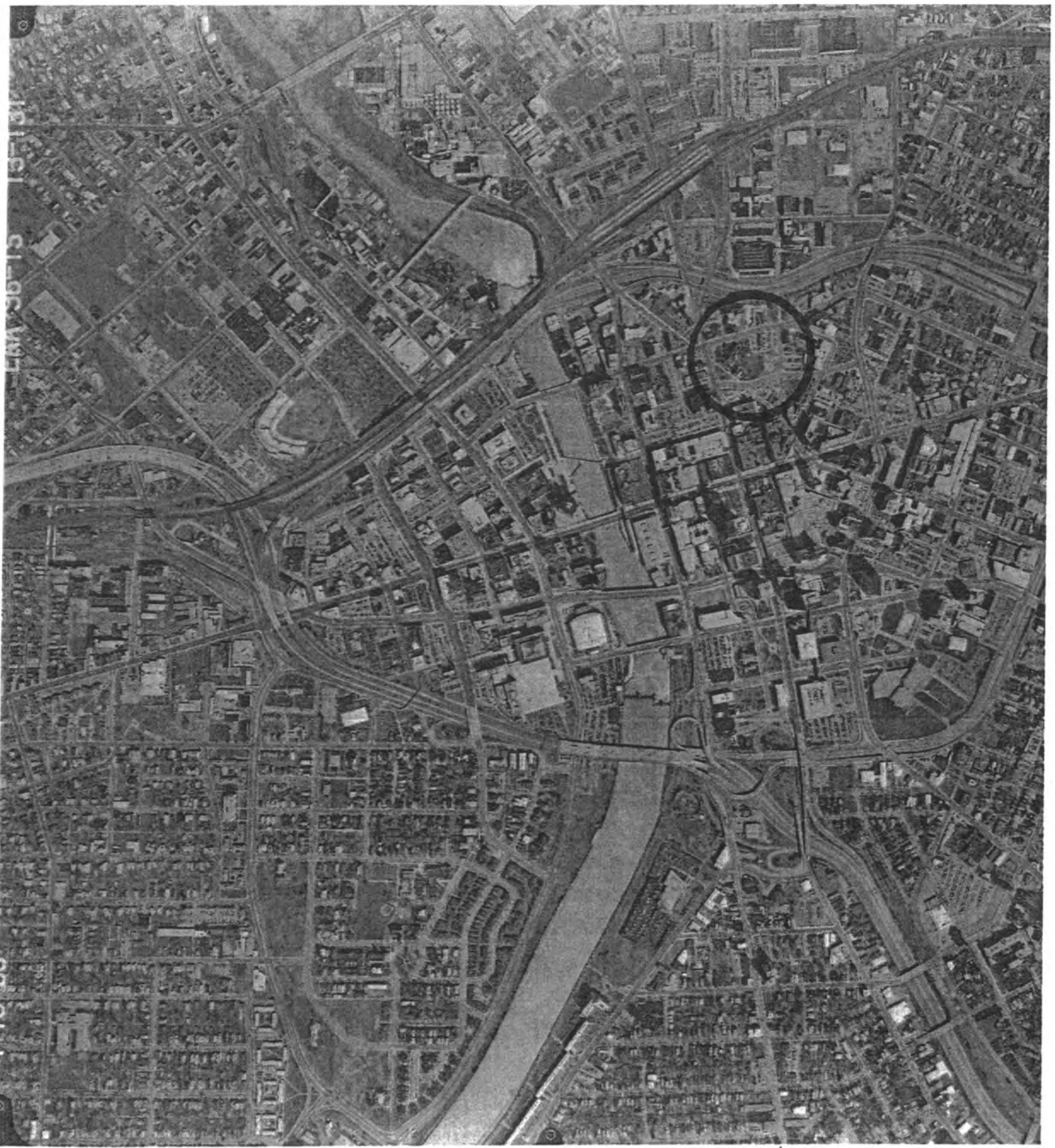
1988

22



1993

22



1996

22



1999

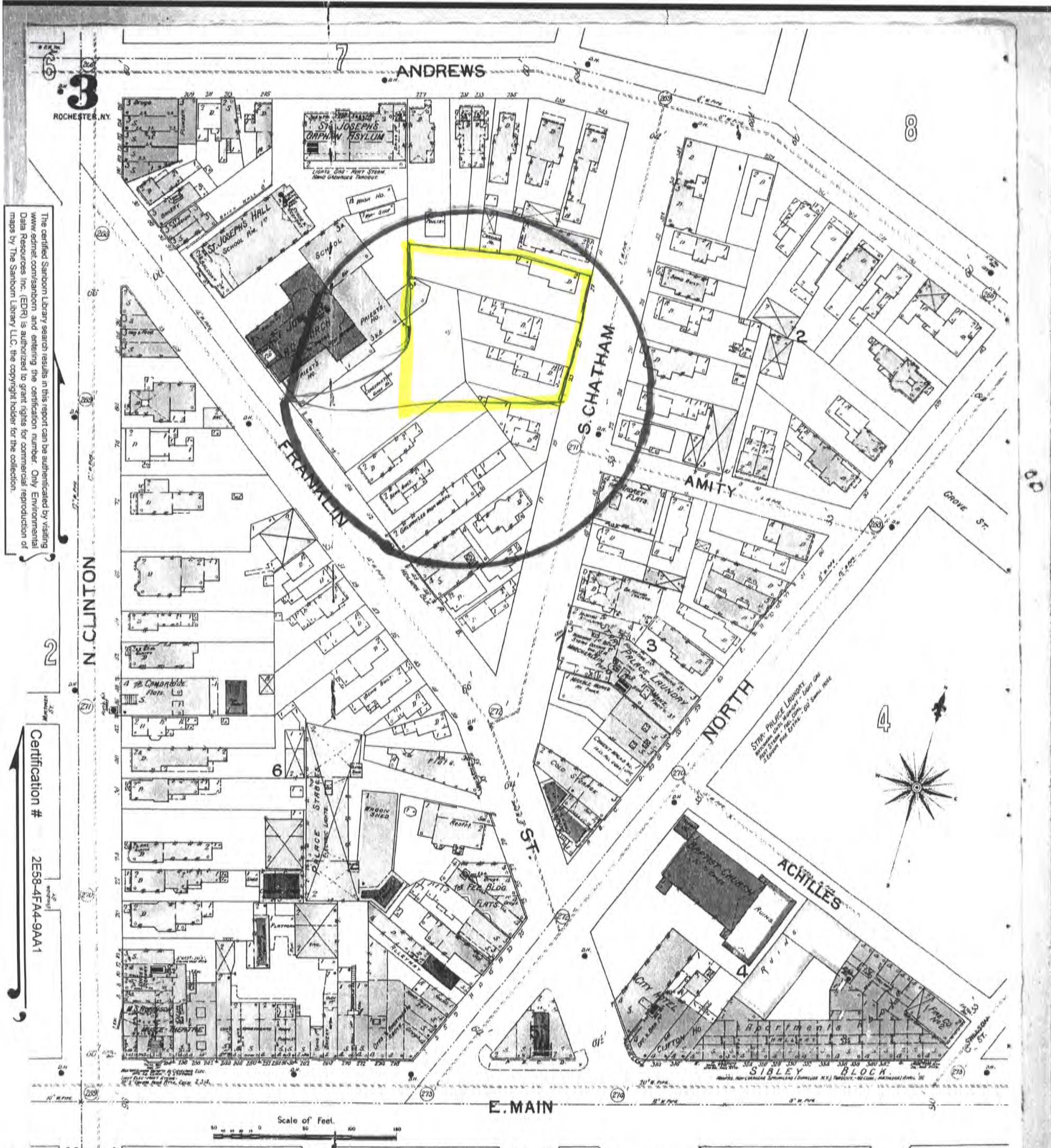
N
↑



NOTES:

Property boundary provided by City of Rochester dated 2018. This property boundary is to be considered approximate.

Aerial imagery provided by Monroe County and Pictometry, dated 2018.



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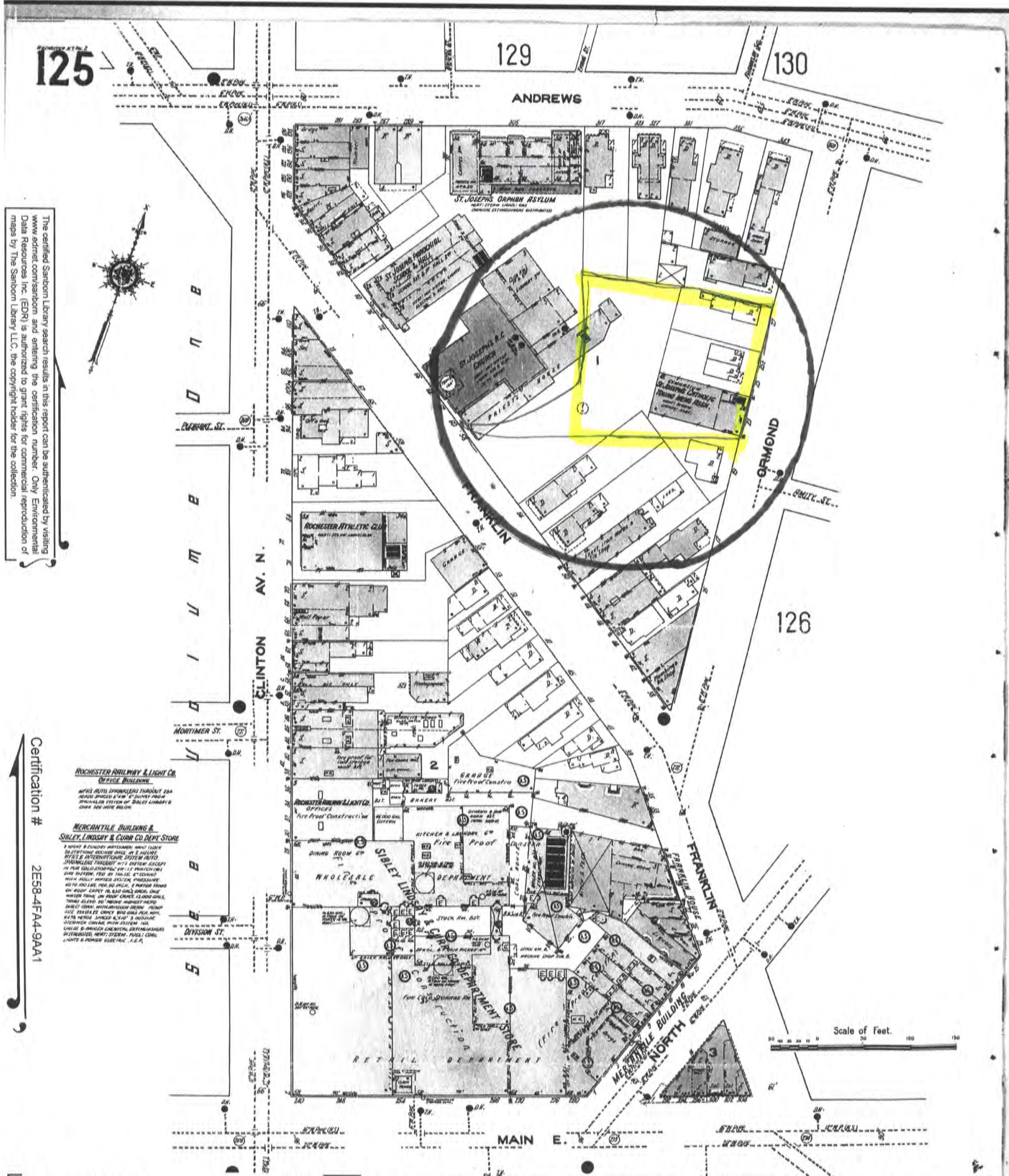
Certification # 2E58-4FAA-9AA1

Site Name:	101-113 Franklin Street
Address:	101-113 Franklin Street
City, ST, ZIP:	Rochester NY 14604
Client:	Day Environmental, Inc.
EDR Inquiry:	2017215.1a
Order Date:	8/30/2007 12:44:02 PM
Certification #	2E58-4FAA-9AA1



U O Y U M E EAST AVE. T W O

Approx. boundaries



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrinc.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDRI) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 2E58-4FA4-9AA1

ROCHESTER RAILWAY & LIGHT CO OFFICE BUILDING
 1891-1892 SPANISH RENAISSANCE THROUGH 1934
 1891-1892 SPANISH RENAISSANCE THROUGH 1934
 1891-1892 SPANISH RENAISSANCE THROUGH 1934
 1891-1892 SPANISH RENAISSANCE THROUGH 1934

MERCANTILE BUILDING & SIBLEY LINDSAY & CURR CO DEPT STORE
 1891-1892 SPANISH RENAISSANCE THROUGH 1934
 1891-1892 SPANISH RENAISSANCE THROUGH 1934
 1891-1892 SPANISH RENAISSANCE THROUGH 1934
 1891-1892 SPANISH RENAISSANCE THROUGH 1934

Site Name: 101-113 Franklin Street
 Address: 101-113 Franklin Street
 City, ST, ZIP: Rochester NY 14604
 Client: Day Environmental, Inc.
 EDR Inquiry: 2017215.1s
 Order Date: 8/30/2007 12:44:02 PM
 Certification # 2E58-4FA4-9AA1



Research Associate: HNS Copyright: 1911

Approx. boundaries

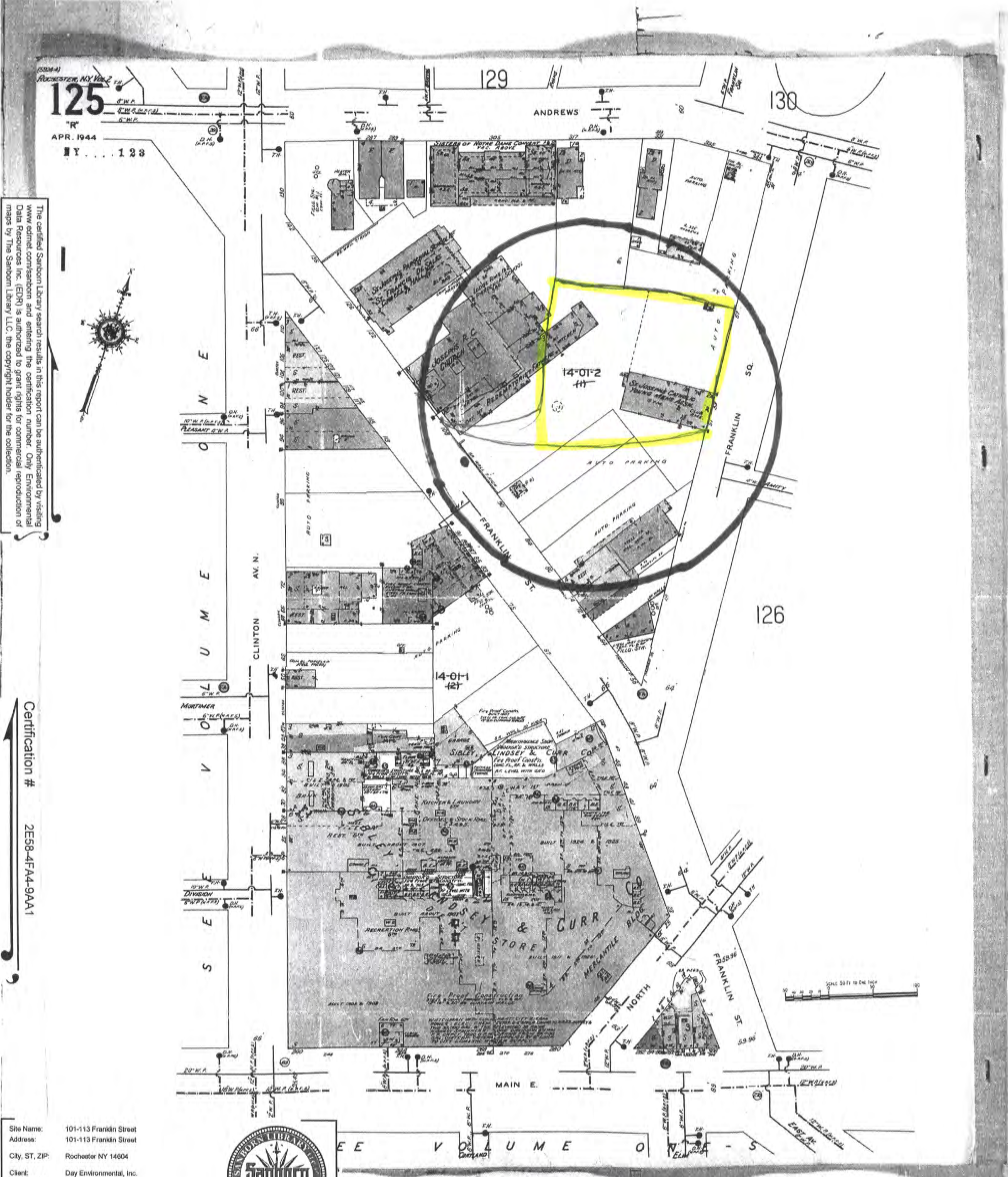
The certified Sanborn Library search results in this report can be authenticated by visiting www.edr.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 2E58-4FA4-9AA1

Site Name: 101-113 Franklin Street
 Address: 101-113 Franklin Street
 City, ST, ZIP: Rochester NY 14604
 Client: Day Environmental, Inc.
 EDR Inquiry: 2017215.1a
 Order Date: 8/30/2007 12:44:02 PM
 Certification #: 2E58-4FA4-9AA1



Research Associate: HNS Copyright: 1950



Approx. boundaries

1959
(from City of
Roch. Rep)

H. 98
96
94

12
13'
8

115
113

RAISED
5'

CLINTON
88

AUTO PARKING

675
00

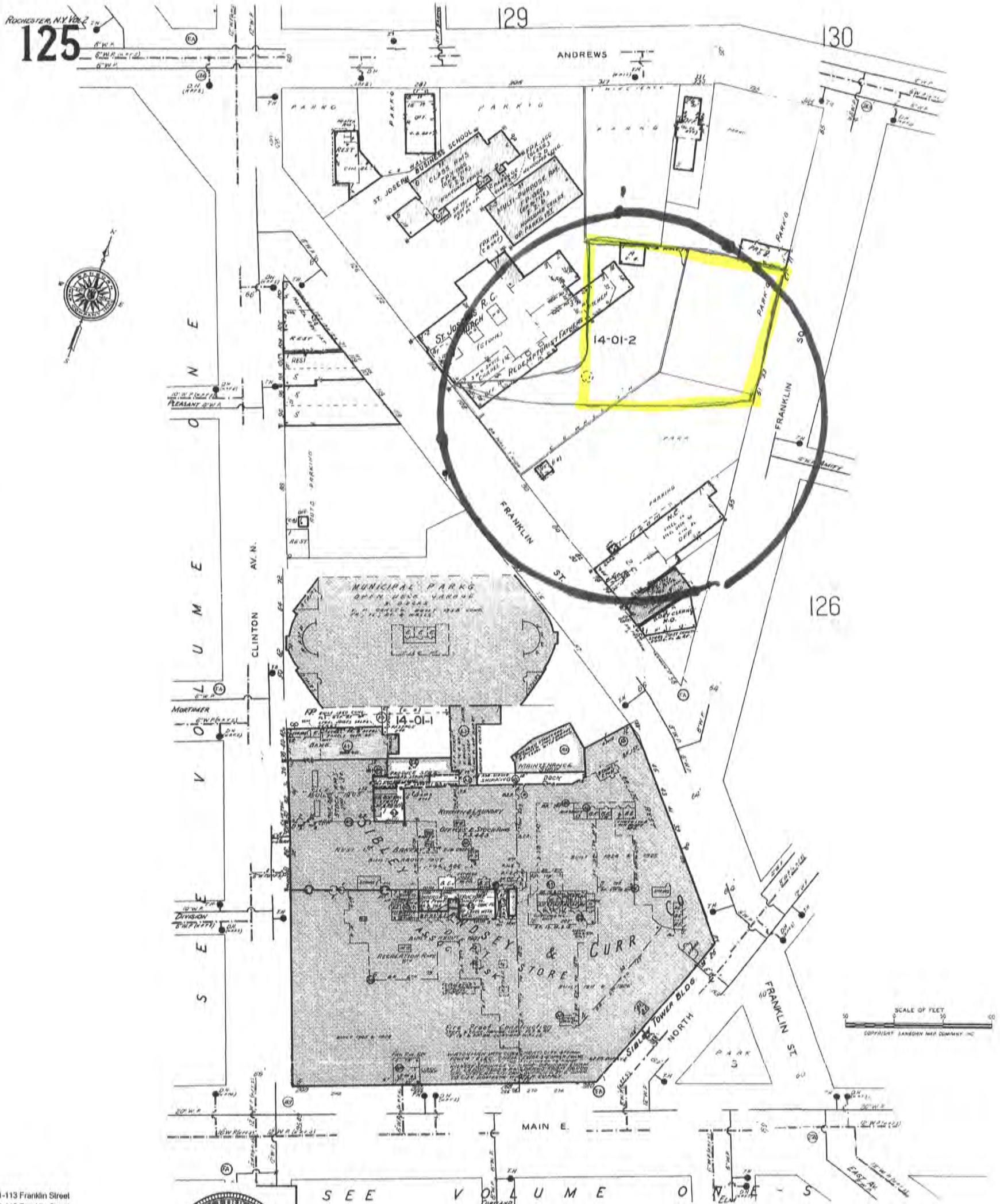
Site ≈ 300' SW
of assessed
property

COND. &
METAL SASH

OFF

AV. N.

MUNICIPAL P
OPEN DECK G
9 DECKS
CONSTN. BUILT

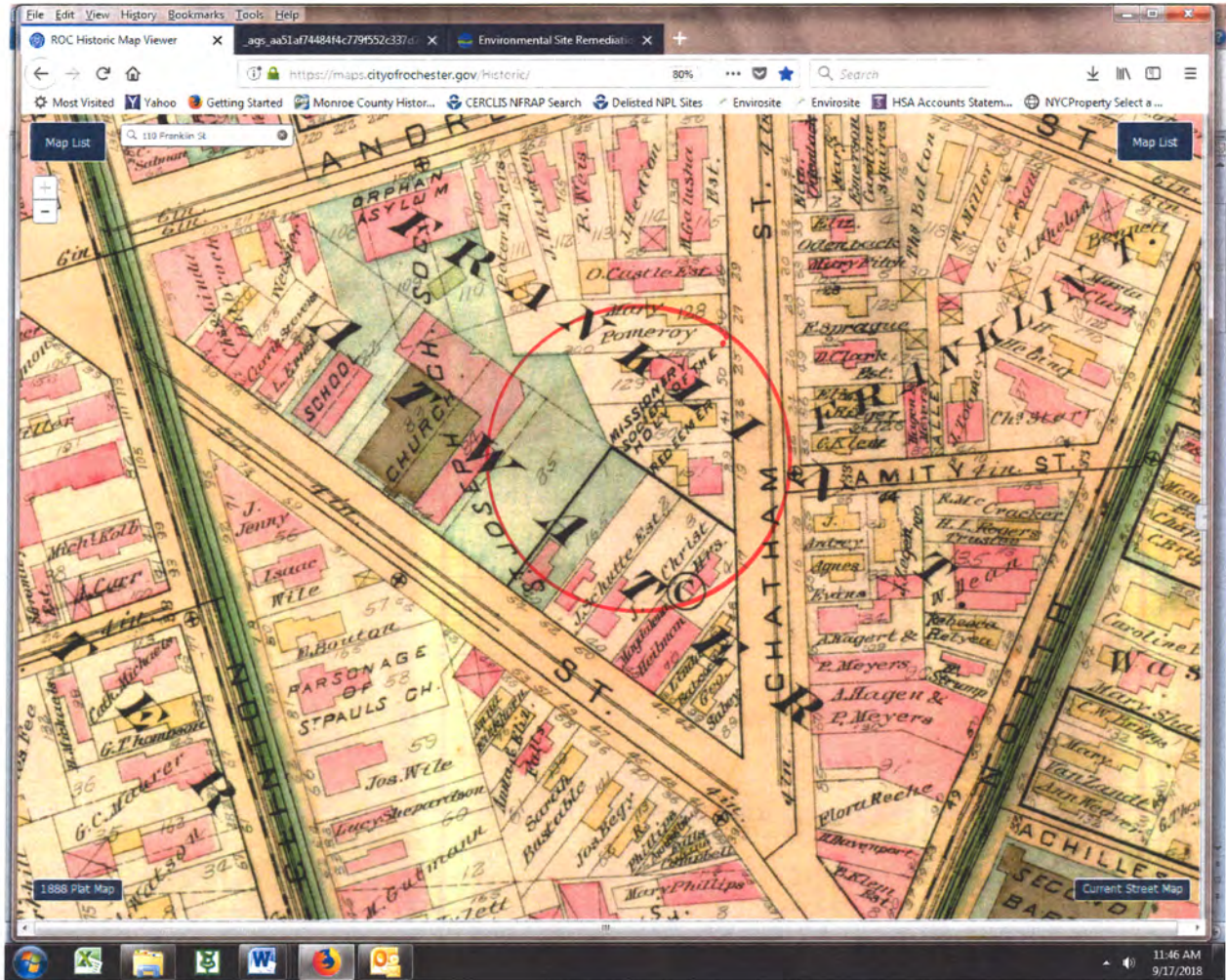


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDRI) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

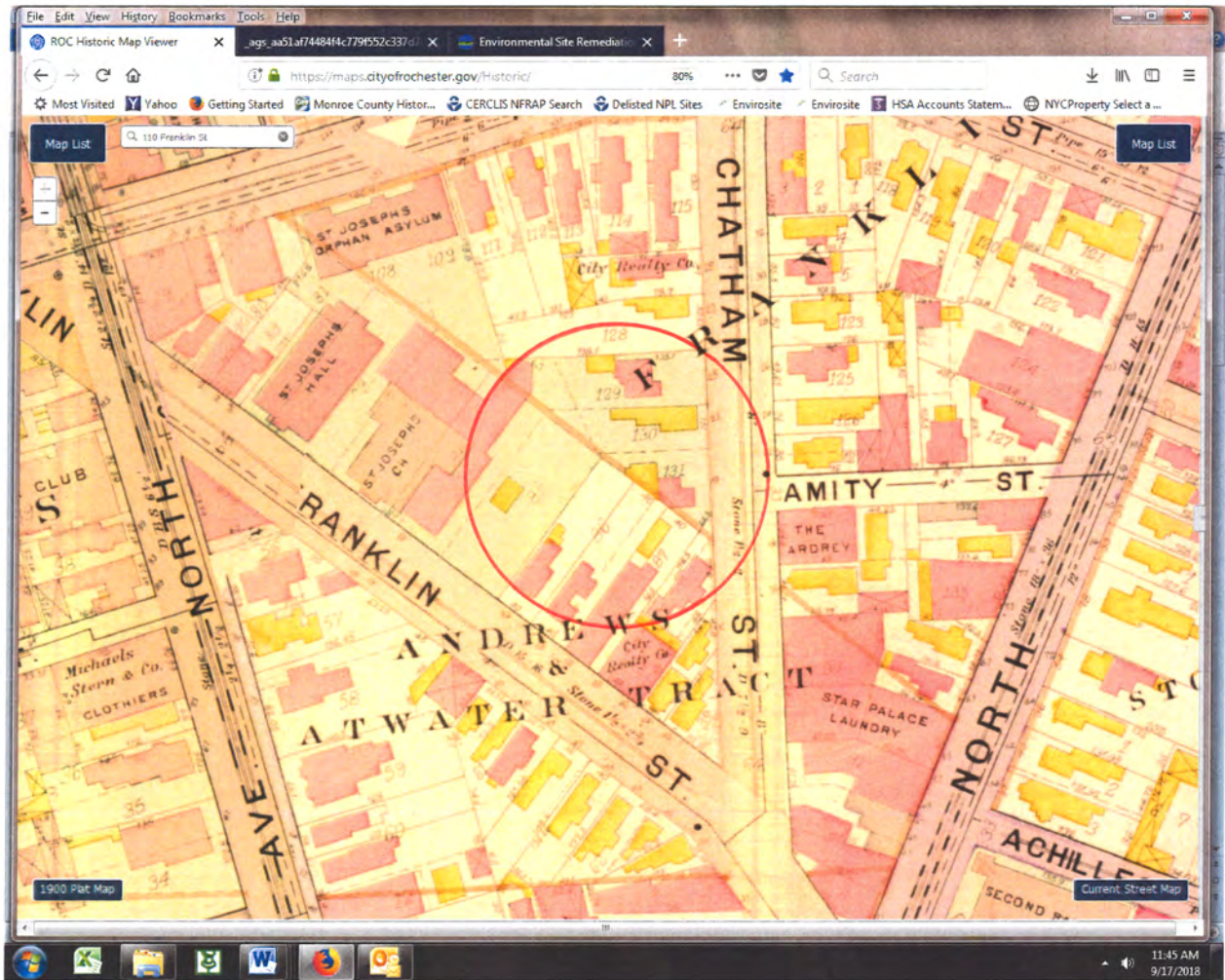
Certification # 2E58-4FA4-9AA1

Site Name:	101-113 Franklin Street
Address:	101-113 Franklin Street
City, ST, ZIP:	Rochester NY 14604
Client:	Day Environmental, Inc.
EDR Inquiry:	2017215.1a
Order Date:	8/30/2007 12:44:02 PM
Certification #	2E58-4FA4-9AA1
Research Associate:	HNS
Copyright:	1971

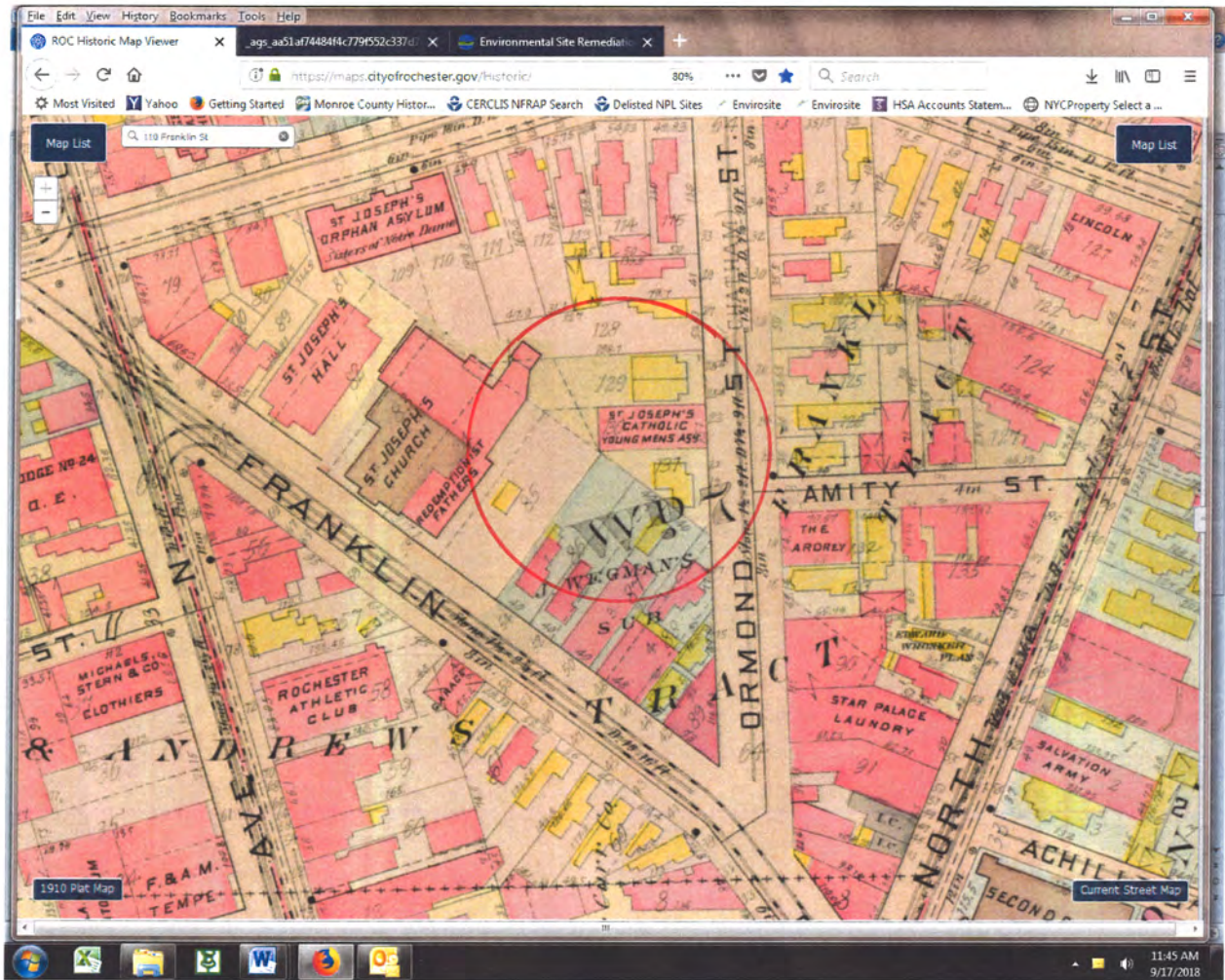




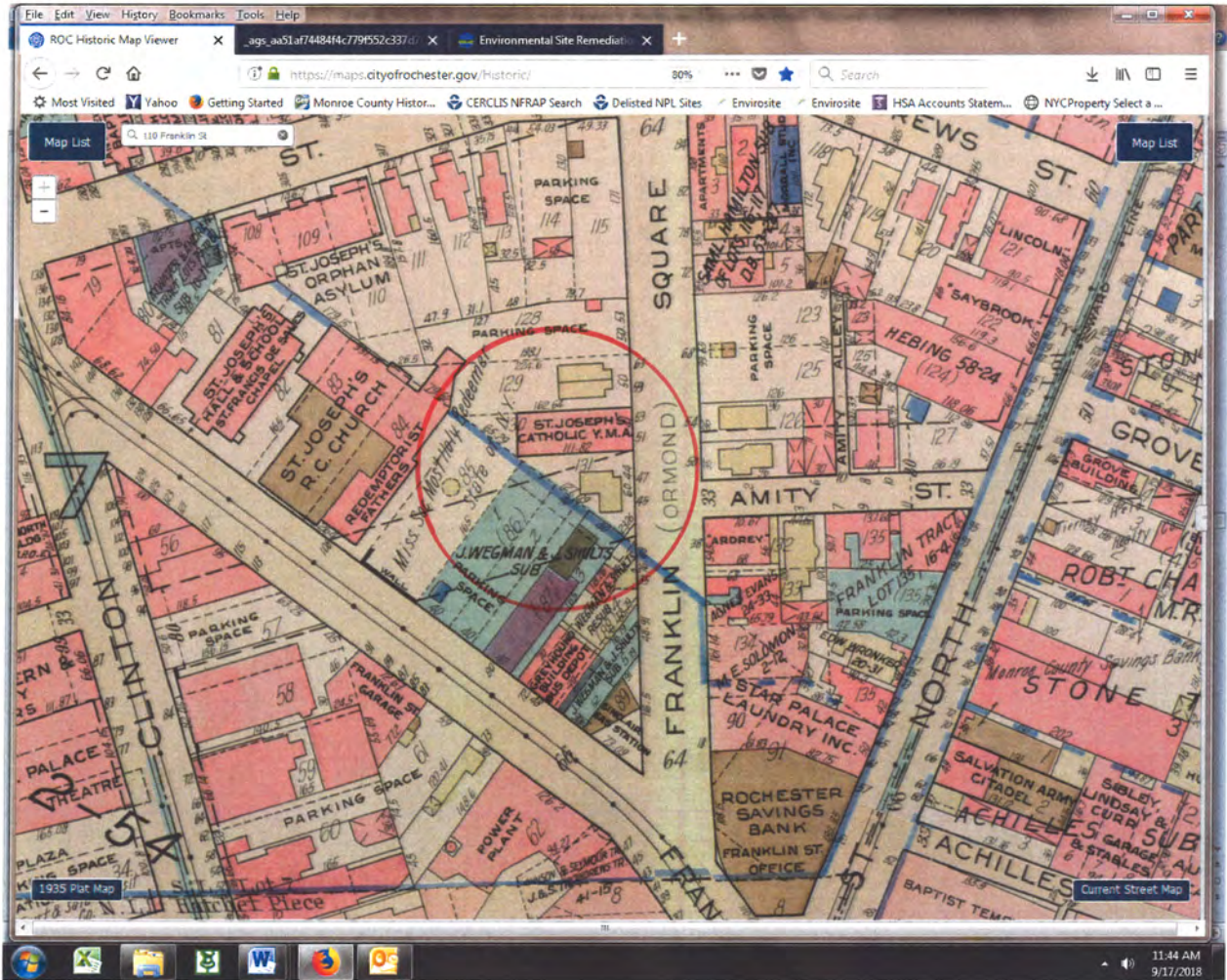
1888 Plat Map



1900 Plat Map



1910 Plat Map



1935 Plat Map

**Polk City Directory Review
(9/8/07)**

2006

Franklin Street

+Franklin Ct
40 Charter one securities Inc bank
+Pleasant Street
120 Residential
132 Residential
140 Residential
+Andrews Street

Pleasant Street

20 Residential
25 Passero and Meserve attorneys
+Liberty Pole Way
+Franklin Street
156 Residential
210 Our Lady of Victory church
214 Residential
+St. Paul Street

2000

Franklin Street

+Franklin Ct
40 Rochester Community Savings Bank
+Pleasant Street
140 Residential
+Andrews Street

Pleasant Street

5 Residential
25 Residential
+Liberty Pole Way
+Franklin Street
210 Our Lady of Victory church
+St. Paul Street

* Assessed Property

1994

Franklin Street

+Franklin Ct
40 Rochester Community Savings Bank
+Pleasant Street
78 Public Parking Co
82 Parking Lot
84 Public Parking Co
115 Public Parking
119 Greathead General Printing
120 Burke Grossman Valenti and Rzepka Law Firm
+Andrews Street

Pleasant Street

+St. Paul Street
21 Vacant
210 Our Lady of Victory church
+N. Clinton

1990

Franklin Street

+North Street
33 Sibley Lindsay & Curr Co.
40 Rochester Community Savings Bank
+Pleasant Street
78 Public Parking
82 Vacant
84 Apartments
Public Parking Co
115 Public Parking
119 Greathead General Printing
120 Burke and Rzepka Law Firm
+Andrews Street

Pleasant Street

+St. Paul Street
21 Vacant
210 Our Lady of Victory church
+N. Clinton

* Assessed Property

1985

Franklin Street

+North Street

33 Sibley Lindsay & Curr Co.
40 Rochester Community Savings Bank

+Franklin Square

+Pleasant Street

110 Public Parking

78 Public Parking

82 Vacant

84 Apartments

85 Public Parking Co

115 Public Parking

119 Schneider Brothers Printing

120 St. George Dental Studio

+Andrews Street

Pleasant Street

+St. Paul Street

21 Wood World Furniture

210 Our Lady of Victory church

+N. Clinton

1979

Franklin Street

+North Street

33 Sibley Lindsay & Curr Co.

40 Rochester Community Savings Bank

+Franklin Square

58 Rochester Truck Rental

66 Main Cameral Center Inc. photography equip

68 vacant

72 vacant

76 vacant

82 Public Parking

108 vacant

115 Trant's Inc.

* 113 Kiplings

119 C&F Family Restaurant

120 Rochester Opportunity Center (SUNY Brockport)

+Andrews Street

* Assessed Property

Pleasant Street

+St. Paul Street

10 Our Lady of Victory church

+N. Clinton

1974/75

Franklin Street

+North Street

33 Sibley Lindsay & Curr Co.

40 Rochester Community Savings Bank

+Franklin Square

58 vacant

66 Main Cameral Center Inc. photography equip

68 vacant

72 Apartments

76 Golden Mug Tavern

82 Public Parking

120 Rochester Opportunity Center (SUNY Brockport)

+Andrews Street

159 Epstein's Edco Process Dry Cleaner

Pleasant Street

+St. Paul Street

10 Our Lady of Victory church

+N. Clinton

1969

Franklin Street

+North Street

33 Sibley Lindsay & Curr Co.

40 Rochester Community Savings Bank

+Franklin Square

58 Barnet Ben Cleaners

66 Esse-Moore Insurance Agency

68 Spirits from '76

72 Apartments

76 Spirits from '76

82 Public Parking

* 90 public parking

* 108 St. Josephs Church Rectory

110 St. Josephs Church

* Assessed Property

120 St. Josephs Covenant
+Andrews Street
159 Epstein's Edco Process Dry Cleaner

Franklin Square

38 Ardrey Apartments
50 Parkrite Inc Parking Station
*67 Public Parking
68 Public Parking
71 Sneider Bros Printing
72 Porter Melbourne Optom
78 Public Parking
82 Franklin Apartments
84 Apartments
85 Parking Lot

Pleasant Street

+St. Paul Street
10 Our Lady of Victory church
+N. Clinton

1965

Franklin Street

+North Street
33 Sibley Lindsay & Curr Co.
40 Rochester Community Savings Bank
+Franklin Square
58 Barnet Ben Cleaners
66 Esse-Moore Insurance Agency
68 vacant
72 Apartments
74 vacant
82 Public Parking
* 90 public parking
* 108 St. Josephs Church Rectory
110 St. Josephs Church
120 St. Josephs Covenant
122 St. Francis De Salles Chapel
+Andrews Street
159 Epstein's Edco Process Dry Cleaner

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- 50 Parkrite Inc Parking Station
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Porter Melbourne Optom
- 82 Franklin Apartments
- 84 Franklin Apartments
- 85 Parking Lot

Pleasant Street

- +St. Paul Street
- 10 Our Lady of Victory church
- 18 RKO Parking
- 20 Jackson's Garage Auto Repair
- +N. Clinton

1960

Franklin Street

- +North Street
- 33 Sibley Lindsay & Curr Co.
- 40 Rochester Community Savings Bank
- +Franklin Square
- 58 Jim Chevron Service Sta
- 66 Feldman-Simon Agency
- 72 Franklin House Restaurant
Apartments
- 74 vacant
- 82 Public Parking
- * 90 public parking
- * 108 St. Josephs Church Rectory
- 110 St. Josephs Church
- 113 Phillips Beauty Salon
- 120 St. Josephs Covenant
- 122 St. Francis De Salles Chapel
- +Andrews Street
- 149 Private Parking
- 159 Epstein's Edco Process Dry Cleaner

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- 50 Parkrite Inc Parking Station
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Porter Baird Optom
- 78 vacant
- 82 Franklin Apartments
- 84 Franklin Apartments
- 85 Parking Lot

Pleasant Street

+St. Paul Street

- 10 Our Lady of Victory church
 - 18 RKO Parking
 - 20 Jackson's Garage Auto Repair
- +N. Clinton

1955

Franklin Street

+North Street

- 40 Rochester Community Savings Bank
- +Franklin Square
- 45 Porter Baird Optom
- 47 vacant
- 58 Franklin Service Sta
- 66 Feldman-Simon Agency
- 72 Larry's Lounge Restaurant
Apartments
- 75 Parking
- 82 Public Parking
- * 90 public parking
- * 108 St. Josephs Church Rectory
- 110 St. Josephs Church
- 113 Julian Bridal Shop
- 120 St. Josephs Covenant
- 122 St. Francis De Salles Chapel
- +Andrews Street
- 149 Private Parking

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Apartments
- 85 Parking Lot
- 124 Residential
- 130 Retail Gasoline Dealers Assn

Pleasant Street

+St. Paul Street

- 10 Our Lady of Victory church
 - 18 RKO Parking
 - 20 Jackson's Garage Auto Repair
 - 21 Parking
- +N. Clinton

1950

Franklin Street

+North Street

- 40 Rochester Community Savings Bank
- +Franklin Square
- 43 Porter Baird Optom
 - 45 Hearing Aide Center
 - 47 Maico Rochester Co hearing
 - 58 McCarthy Service Sta
 - 72 Dalton Restaurant
 - Apartments
 - 75 Parking
 - 82 Public Parking
 - 83 Colgate Palmolive Peet Co
 - 85 Rochester Wayne Distributors corp oil burners
 - 87 Empire Photo Engravers
 - * 90 public parking
 - 91 Eddy's Garage auto repair
 - * 108 St. Josephs Church Rectory
 - 113 Heller-Rochester Corp mfrs agts
 - 120 St. Josephs Covenant
 - 122 St. Francis De Salles Chapel
 - 123 Apartments
- +Andrews Street
- 149 Private Parking

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Apartments
- 82 Franklin Apartments
- 84 Franklin Apartments
- 85 Parking Lot
- 124 Residential
- 130 Retail Gasoline Dealers Assn

Pleasant Street

- +St. Paul Street
- 10 Our Lady of Victory church
- 18 RKO Parking
- 20 Jackson's Garage Auto Repair
- 21 Parking
- +N. Clinton

1945

Franklin Street

- +North Street
- 40 Rochester Community Savings Bank
- +Franklin Square
- 43 Town Talk Dry Cleaner
- 45 Russian War Relief
- 58 McCarthy Service Sta
- 72-76 Grey Hound Bldg
- 75 Public Parking
- 83 Colgate Palmolive Peet Co
- 85 Rochester Wayne Distributors corp oil burners
- 87 Empire Photo Engravers
- * 90 public parking
- 91 Franklin Street Garage auto repair
- * 108 St. Josephs Church Rectory
- 113 Heller-Rochester Corp mfrs agts
- 120 St. Josephs Covenant
- 122 St. Francis De Salles Chapel
- 123 Apartments
- +Andrews Street
- 149 vacant

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- *51 YMCA
- *67 Public Parking
- 68 Public Parking
- 117 vacant
- 123 United Service Organization
- 124 Residential

Pleasant Street

- +St. Paul Street
- 10 Our Lady of Victory church
- 18 RKO Parking
- 21 Parking
- 22 Pleasant St. Parking and Washing Service Sta
- +N. Clinton

1939/40

Franklin Street

- +North Street
- 40 Rochester Community Savings Bank
- +Franklin Square
- 43 Abco Realty Corp
- 45 vacant
- 47 vacant
- 58 Palace Service Sta
- 72-76 Grey Hound Bldg
- 75 Public Parking
- 80 parking
- 85 Melchior, Armstrong Dessau Co of Delaware refrigerator and oil burner supplies
whol
- 87 Empire Photo Engravers
- *90 public parking
- 91 Franklin Street Garage auto repair
- *108 St. Josephs Church Rectory
- 120 St. Josephs Covenant
- 123 Apartments
- +Andrews Street
- 149 vacant

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 117 vacant
- 123 United Service Organization
- 124 Residential
- 129 Residential
- 130 Residential

Pleasant Street

- +St. Paul Street
- 10 Our Lady of Victory church
- 18 Parking
- 21 Parking
- 22 Pleasant St. Parking and Washing Service Sta
- +N. Clinton

1935

Franklin Street

- +North Street
- 40 Rochester Community Savings Bank
- +Franklin Square
- 43 Abco Realty Corp
- 45 vacant
- 47 vacant
- 58 Palace Service Sta
- 72-76 Grey Hound Bldg
- 75 Public Parking
- 80 parking
- 85 Melchior, Armstrong Dessau Co of Delaware refrigerator and oil burner supplies
whol
- 87 Empire Photo Engravers
- * 90 public parking
- 91 Franklin Street Garage auto repair
- * 108 St. Josephs Church Rectory
- 120 St. Josephs Covenant
- 123 Apartments
- +Andrews Street
- 149 vacant

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 117 vacant
- 123 United Service Organization
- 124 Residential
- 129 Residential
- 130 Residential

Pleasant Street

+St. Paul Street

- 10 Our Lady of Victory church
- 18 Parking
- 21 Parking
- 22 Pleasant St. Parking and Washing Service Sta

+N. Clinton

* Assessed Property

APPENDIX D
REGULATORY RECORDS DOCUMENTATION

DAY ENVIRONMENTAL, INC.
IN-HOUSE SPILL/LST RECORDS CHECKLIST

DAY reviewed data obtained from the NYSDEC Spills/Leaking Storage Tank (LST) database in order to identify spills/LST incidents located within a 0.5-mile radius of the assessed property. A summary of the information obtained as part of this review is presented below.

Job # Rocity-5530E-18 Assessor Tom Roszak

Completed by RJM Date 8/27/2018

Property Name/Address: 101-113 Franklin Street & 106 Pleasant Street

Rochester, New York 14604

NYSDEC Region 8 County: Monroe

Names and Addresses of Adjoining Properties:

North: 317, 325 & 343 Andrews Street (parking lots), 331-333 Andrews Street (Lakeside Engineering) 119 Franklin Street (Eritrean Community Building)

South: 22 & 30 Franklin Court (parking lots)

East: 102 & 110 Franklin Street (parking lots) 120 Franklin Street (residential)

Southeast: 84 Franklin Street (parking lot)

West: 305 Andrews Street (Rochester Educational Opportunity Center), St. Josephs Park, 118 Pleasant Street

Summary of Spills/LSTs: (refer to attached table for detail)

Total Number of Spills/LSTs within a 0.5-mile Radius: 226

Active Mappable Spills/LSTs: 4

Active Unmappable Spills/LSTs: 0

Closed/Inactive Mappable Spills/LSTs: 178

Closed/Inactive Unmappable Spills/LSTs: 44

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
1	9714156	25 Franklin Street	3/20/98	CI	~.1 S	Y
2	9010284	167 Liberty Pole Way	12/21/90	C	~.1 NE	Y
3	0070376	Stillson St./Achilles St.	9/8/00	A	~.2 SE	Y
4	0470265	Andrews Street Bridge	9/2/04	CI	~.3 W	Y
5	0650574	305 Andrews Street	7/11/06	CI	~.1 NW	Y
6	8400017	414 Andrews Street	4/2/84	C	~.1 NE	Y
7	8601285	304-308 Andrews Street	5/22/86	C	~.1 NW	Y
8	8603560	304-308 Andrews Street	8/29/86	C	~.1 NW	Y
9	8603686	430 Andrews Street	8/29/86	C	~.1 NE	Y
10	9870059	414 Andrews Street	8/6/98	CI	~.1 NE	Y
11	0070107	55 Bittner Street	5/13/00	CI	~.1 NW	Y
12	0550322	37 Bittner Street	5/20/05	CI	~.1 NW	Y
13	8803121	Carthage Alley	7/11/88	C	~.3 NW	Y
14	8805093	Carthage Alley	9/12/88	C	~.3 NW	Y
15	9804461	Carthage Alley	7/9/98	CI	~.3 NW	Y
16	8501549	178 N. Water Street	7/3/85	C	~.3 W	Y
17	8502445	N. Water & State Streets	10/7/85	C		N
18	8701348	Water Street	5/18/87	C		N
19	0207133	Near Central Avenue Dam	10/10/02	CI		N
20	0301787	439 Central Avenue	5/20/03	C	~.2 N	Y
21	8300253	Central Ave. & Clinton Ave.	5/3/83	CI	~.25 NW	Y
22	8802353	Central Ave. & N. Clinton Ave.	6/14/88	C	~.25 NW	Y
23	9213046	444 Central Avenue	2/18/93	C	~.2 N	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
24	9308953	320 Central Avenue	10/24/93	C	~.25 NW	Y
25	9970116	439 Central Avenue	5/31/99	CI	~.2 N	Y
26	9970147	439 Central Avenue	6/9/99	CI	~.2 N	Y
27	7980213	Ward & N. Clinton Avenue	2/13/79	C	~.4 NW	Y
28	8500090	65 Ward Street	4/7/85	C	~.4 NW	Y
29	9001772	St. Paul St. & Ward St.	5/15/90	C	~.5 NW	Y
30	9205414	Harrison St. & Ormond St.	8/10/92	C	~.3 N	Y
31	0070547	23 Emmett Street	12/27/00	CI	~.5 NW	Y
32	0370234	285 Ormond/Lundys Lane	7/21/03	CI	~.25 N	Y
33	9608754	Lundy Lane	6/1/96	C	~.3 N	Y
34	0206854	425 Ormond Street	5/2/02	CI	~.4 N	Y
35	8600110	425 Ormond Street	4/3/86	C	~.4 N	Y
36	9402995	285 Ormond Street	5/26/94	C	~.25 N	Y
37	9870499	425 Ormond Street	9/15/98	CI	~.4 N	Y
38	8300740	77 Nassau Street	7/7/83	CI	~.5 N	Y
39	8402902	75 Nassau Street	1/29/85	C	~.5 N	Y
40	8503273	66 Nassau Street	12/13/85	C	~.5 N	Y
41	8706607	75 Nassau Street	11/4/87	C	~.5 N	Y
42	8709364	75 Nassau Street	2/3/88	C	~.5 N	Y
43	8801590	62 Nassau Street	5/21/88	C	~.5 N	Y
44	8806390	75 Nassau Street	10/27/88	C	~.5 N	Y
45	8908394	75 Nassau Street	11/17/89	C	~.5 N	Y
46	9103030	75 Nassau Street	6/10/91	C	~.5 N	Y
47	9204806	68 Nassau Street	7/20/92	C	~.5 N	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
48	9302890	68 Nassau Street	6/2/93	C	~.5 N	Y
49	9303829	68 Nassau Street	6/24/93	CI	~.5 N	Y
50	9410204	75 Nassau Street	10/29/94	CI	~.5 N	Y
51	9505099	41 Woodward Street	7/14/95	C	~.5 NE	Y
52	9007141	54 Weld Street	9/28/90	C	~.4 NE	Y
53	0270131	39 Delevan Street	5/30/02	CI	~.25 NE	Y
54	9101785	39 Delevan Street	5/7/91	C	~.25 NE	Y
55	9307652	39 Delevan Street	9/23/93	C	~.25 NE	Y
56	8800329	26 Gibbs Street	4/9/88	C	~.25 SE	Y
57	9609472	26 Gibbs Street	6/12/96	CI	~.25 SE	Y
58	9516382	98 Grove Street	3/20/96	CI	~.2 E	Y
59	7681103	24 Windsor Street	9/21/76	C	~.3 E	Y
60	0070043	26-60 Charlotte Street	4/19/00	CI	~.4 SE	Y
61	0070044	14-16 Charlotte Street	4/19/00	CI	~.3 E	Y
62	0170101	37 Charlotte Street	5/18/01	CI	~.4 E	Y
63	0270474	80-100 Charlotte Street	11/25/02	CI	~.4 SE	Y
64	9406768	24 Winthrop Street	8/18/94	CI	~.4 SE	Y
65	9702324	East Avenue & Pitkin ST.	5/22/97	CI	~.5 SE	Y
66	8504348	Elm Street & Chestnut Street	3/6/86	C	~.3 SE	Y
67	8602340	Atlas Street & Elm Street	7/9/86	C	~.2 SE	Y
68	0070490	110 Savannah Street	9/29/00	CI	~.5 SE	Y
69	8607332	110 Savannah Street	3/3/87	C	~.5 SE	Y
70	0470290	1 Manhattan Square	9/17/04	CI	~.5 S	Y
71	9303799	10 Manhattan Street	6/23/93	C	~.5 SE	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
72	9610065	111 Woodbury Boulevard	11/8/96	C	~.5 S	Y
73	9213188	Stone Street & Chestnut	2/20/93	C		N
74	0103635	Court St. (fireworks display)	7/4/01	CI		N
75	7981109	Court Street Dam	11/9/79	C	~.5 SW	Y
76	8603193	Near 10 Court Street	8/13/86	C	~.5 SW	Y
77	9405262	160 Court Street	4/8/94	C	~.4 S	Y
78	9509788	Court Street Dam	11/7/95	C	~.5 SW	Y
79	9609390	Court Street (Xerox Corp.)	10/26/96	C		N
80	9614670	South Avenue & Court Street	3/4/97	C	~.4 S	Y
81	8706594	Broad & South Clinton	11/3/87	C	~.3 S	Y
82	8804512	Broad & Clinton	8/22/88	C	~.3 S	Y
83	9111916	East Broad Street	2/19/92	C		N
84	9310795	Clinton & Broad Street	12/3/93	C	~.3 S	Y
85	0070067	28 East Main Street	5/2/00	CI	~.4 SW	Y
86	0070422	444 East Main Street	9/9/00	CI	~.25 SE	Y
87	0160410	Main Street (Old Agway Site)	9/18/01	C		N
88	0270149	488 East Main Street	6/6/02	CI	~.3 E	Y
89	0270193	325 East Main Street	6/24/02	CI	~.1 SE	Y
90	0302206	Main Street Bridge	6/2/03	CI	~.3 SW	Y
91	7980904	Main Street East (RG&E)	9/4/79	C		N
92	8080505	375 East Main Street	5/6/80	C	~.2 SE	Y
93	8080918	Main Street (Tamby Oil Co.)	9/18/80	C		N
94	8080932	Main Street Bridge	9/18/80	C	~.3 SW	Y
95	8383328	550 East Main Street	3/28/83	CI	~.4 E	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
96	8499946	Main Street Bridge	4/30/84	C	~.3 SW	Y
97	8803163	Main Street Bridge	7/12/88	C	~.3 SW	Y
98	8902893	581-583 East Main Street	6/20/89	C	~.5 E	Y
99	9111798	East Main Street (Pal Oil)	2/15/92	C		N
100	9212469	550 East Main Street	2/2/93	C	~.4 E	Y
101	9311748	202 East Main Street	12/31/93	C	~.2 SW	Y
102	9405270	40 East Main & Stillson St.	7/17/94	C	~.2 SE	Y
103	9408654	200 East Main Street	9/28/94	C	~.2 SW	Y
104	9415772	550 East Main Street	1/1/93	CI	~.4 E	Y
105	9502907	252 Main Street	6/7/95	C		N
106	9504502	Main Street & South Avenue	7/13/95	C	~.25 SW	Y
107	9600070	550 East Main Street	5/6/93	CI	~.4 E	Y
108	9870153	East Main St./Chestnut St.	9/8/98	CI	~.2 SE	Y
109	0106753	360 St. Paul Street	9/28/01	CI	~.4 NW	Y
110	7881018	195 St. Paul Blvd.	10/18/78	C	~.25 NW	Y
111	8200806	St. Paul St. (Fort Howard)	8/2/82	C		N
112	8380923	St. Paul (Holiday Inn)	9/23/83	C		N
113	8521560	St. Paul Tunnel Project	6/24/85	C		N
114	8602019	St. Paul (Inner Loop)	6/23/86	C	~.3 NW	Y
115	8602300	St. Paul Tunnel Project	7/8/86	C		N
116	8605260	360 St. Paul Blvd.	11/18/86	C	~.4 NW	Y
117	9102930	360 St. Paul Street	6/13/91	C	~.4 NW	Y
118	9306416	48 St. Paul Blvd.	8/22/93	C	~.2 SE	Y
119	9405363	St. Paul Blvd.	7/17/94	C		N

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
120	9509877	St. Paul Sewer Discharge	11/8/95	CI		N
121	9607906	125 St. Paul Street	9/24/96	C	~.2 W	Y
122	9704410	245 St. Paul Blvd.	7/14/97	CI	~.25 NW	Y
123	9706341	St. Paul Blvd.	8/21/97	CI		N
124	9970160	408 St. Paul Street	6/16/99	C	~.5 NW	Y
125	0270169	228 South Avenue	6/13/02	CI	~.5 S	Y
126	0405719	South Ave. (Lachasse)	8/25/04	C		N
127	9511809	15 South Avenue	12/15/95	CI	~.25 SW	Y
128	9611925	188 South Avenue	1/2/87	CI	~.5 S	Y
129	0070455	128 North Clinton Avenue	10/26/00	CI	~.1 NW	Y
130	0270252	100 North Clinton Avenue	7/26/02	CI	~.1 W	Y
131	0650372	72 North Clinton Avenue	6/8/06	CI	~.1 W	Y
132	8180903	37 Clinton Avenue	9/2/81	C		N
133	8700130	South Clinton Street	4/3/87	C		N
134	8805740	South Clinton Avenue	10/6/88	C		N
135	9002320	Clinton Avenue (VGC Corp.)	5/29/90	C		N
136	9402368	280 North Clinton Avenue	5/15/94	C	~.25 NW	Y
137	9406181	209 North Clinton Avenue	8/1/94	C	~.1 NW	Y
138	9710060	100 Clinton Avenue	11/19/97	CI		N
139	8805959	72 Joseph Avenue	10/14/88	C	~.3 N	Y
140	8912370	Joseph Ave. (LeCesse Bros.)	3/28/90	C		N
141	8603358	185 N. Chestnut Street	8/20/86	C	~.2 NE	Y
142	9401797	130 Chestnut Street	5/5/94	C	~.5 S	Y
143	0652075	112 Hudson Avenue	3/20/07	C	~.5 NE	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
144	9870403	180 Hudson Avenue	12/21/98	CI	~.5 NE	Y
145	0550003	397 North Street	4/1/05	C	~.5 NE	Y
146	0070143	89 East Avenue	6/1/00	CI	~.25 SE	Y
147	0070559	89 East Avenue	1/10/01	CI	~.25 SE	Y
148	0300228	89 East Avenue	4/7/03	CI	~.25 SE	Y
149	0307239	89 East Avenue	10/9/03	CI	~.25 SE	Y
150	0470079	89 East Avenue	5/20/04	CI	~.25 SE	Y
151	0650465	50 East Avenue	6/29/06	CI	~.2 SE	Y
152	8181221	246 East Avenue	12/21/81	C	~.5 SE	Y
153	8200963	East Avenue (RG&E)	8/31/82	C		N
154	8282831	East Avenue & Main Street	8/31/82	C	~.1 S	Y
155	8382113	East Avenue (RG&E)	1/13/83	CI		N
156	8402767	191 East Avenue	1/16/85	C	~.4 SE	Y
157	8605335	200 East Avenue	11/21/86	C	~.4 SE	Y
158	9601206	200 East Avenue	4/19/96	CI	~.4 SE	Y
159	9801260	120 East Avenue	4/21/98	CI	~.3 SE	Y
160	9802157	89 East Avenue	5/49/98	CI	~.25 SE	Y
161	9808189	89 East Avenue	10/2/98	CI	~.25 SE	Y
162	9970676	89 East Avenue	3/15/00	CI	~.25 SE	Y
163	0270542	64 Scio Street	1/29/03	CI	~.3 SE	Y
164	0650898	62-64 Scio Street	8/31/06	CI	~.3 SE	Y
165	9105502	86 Scio Street	8/20/61	CI	~.3 E	Y
166	0170192	123-125 University Avenue	5/1/01	CI	~.3 E	Y
167	0270553	109 University Avenue	2/4/03	C	~.3 E	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
168	0370555	58 University Avenue	1/4/04	CI	~.25 NE	Y
169	7580312	University Ave. (Eldre Corp.)	3/12/75	C		N
170	8382328	Main & University Avenue	3/28/83	CI	~.5 E	Y
171	8710065	University Avenue	2/26/88	C		N
172	9009284	200 University Avenue	7/4/90	CI	~.4 E	Y
173	9010223	177 University Avenue	12/20/90	C	~.4 E	Y
174	9104145	20 University Avenue	7/12/91	C	~.2 NE	Y
175	9104369	University Avenue	7/23/91	C		N
176	9113243	University Ave. (Nat.Ambu.)	3/23/92	CI		N
177	9208884	158 University Avenue	10/30/92	C	~.3 E	Y
178	9214364	University Avenue	3/29/93	C		N
179	0485549	Genesee River	2/14/05	C		N
180	7480903	Genesee River	9/3/74	C		N
181	7880321	Genesee River	3/21/78	C		N
182	8301042	Genesee River	8/12/83	CI		N
183	8402077	Genesee River	11/5/84	C		N
184	8702843	Genesee River	7/8/87	C		N
185	8705178	Genesee River	9/18/87	C		N
186	8803331	Genesee River	7/17/88	C		N
187	8902424	Genesee River	6/8/89	C		N
188	9415326	Genesee River	2/18/95	C		N
189	7980903	Franklin Street & East Main	9/4/79	CI	~.2 S	Y
190	1406889	40 Franklin Street	9/24/14	CI	<.1 SE	Y
191	0750630	430 Andrews Street	7/29/07	A	~.1 NE	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
192	1213777	245 Andrews Street	12/20/12	A	~.2 W	Y
193	9580121	263 Central Avenue	1/21/95	CI	~.25 NW	Y
194	1002524	320 Central Avenue	6/4/10	C	~.25 NW	Y
195	1506587	Clinton Ave North & Central	9/21/15	CI	~.25 NW	Y
196	1707681	295 Central Avenue	11/10/17	CI	~.25 NW	Y
197	1707693	295 Central Avenue	11/10/17	CI	~.25 NW	Y
198	0580161	186 Ward Street	5/6/08	CI	~.4 N	Y
199	0813480	425 Ormond Street	3/12/09	CI	~.3 N	Y
200	1505024	285 Ormond Street	8/10/15	A	~.25 N	Y
201	1700741	285 Ormond Street	4/10/17	C	~.25 N	Y
202	1310855	110 Savannah Street	2/17/14	CI	~.5 SE	Y
203	1203050	1 Manhattan Square Drive	6/27/12	CI	~.5 SE	Y
204	0706818	63 Stone Street	9/19/07	CI	~.3 S	Y
205	1403523	East Broad and Stone Road	7/1/14	CI	~.3 S	Y
206	0890494	420 East Main Street	6/16/08	CI	~.2 SE	Y
207	0803384	120 East Main Street	6/21/08	C	~.3 SW	Y
208	0890589	335 East Main Street	7/9/08	C	~.2 S	Y
209	0890654	400-420 East Main Street	7/22/08	C	~.2 SE	Y
210	1302299	228-280 East Main Street	5/25/12	CI	~.1 S	Y
211	1501464	290 Main Street	5/10/15	CI		N
212	1610501	581-583 East Main Street	2/22/17	CI	~.5 E	Y
213	0907641	195 Saint Paul Street	5/18/09	C	~.3 W	Y
214	9902234	376 St. Paul Street	4/23/99	CI	~.5 NW	Y
215	1104464	100 South Clinton Avenue	4/7/11	C	~.4 S	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
216	1104465	100 South Clinton Avenue	7/21/11	C	~.4 S	Y
217	0751222	191 East Avenue	12/13/07	CI	~.4 SE	Y
218	0803168	255 East Avenue	6/17/08	C	~.5 SE	Y
219	0903438	89 East Avenue	6/23/09	C	~.25 SE	Y
220	0811628	185 Scio Street	1/22/09	CI	~.4 E	Y
221	0906903	185-205 Scio Street	9/18/09	CI	~.4 E	Y
222	1301718	200 University Avenue	5/20/13	CI	~.4 E	Y
223	1305280	124 University Avenue	8/15/13	CI	~.3 E	Y
224	8911396	Ontario St North – Finney	3/2/90	C	~.5 NE	Y
225	1701105	Haags Alley (East End)	5/4/17	CI	~.5 E	Y
226	1303796	23 Richmond Street	7/9/13	C	~.4 E	Y

Adj to SE
(Inactive)

NYSDEC SPILL REPORT FORM

DEC REGION:	8	SPILL NUMBER:	1406889
SPILL NAME:	RIT FORMER ROCHESTER SAVINGS BANK PROPERTY	DEC LEAD:	PRMILLER

SPILL LOCATION

SPILL DATE:	9/24/2014	SPILL TIME:	09:30:00
ALL RECEIVED DATE:	9/24/2014	RECEIVED TIME:	09:30:00

PLACE:	RIT FORMER ROCHESTER SAVINGS BANK PROPERTY	COUNTY:	Monroe
STREET:	40 FRANKLIN STREET	TOWN/CITY:	ROCHESTER
CONTACT:	CALLER	COMMUNITY:	ROCHESTER
		CONTACT PHONE:	

SPILL CAUSE:	Other	SPILL REPORTED BY:	Responsible Party
SPILL SOURCE:	Institutional, Educational, Gov., Other	WATERBODY:	

CALLER REMARKS:
 "PHASE II WORK WAS CONDUCTED AT FORMER ROCHESTER SAVINGS BANK PROPERTY THAT WAS GIFTED TO RIT. PROPERTY WAS GIFTED TO RIT WHO HAS DONE EXTENSIVE RENOVATION WORK INCLUDING ASBESTOS ABATEMENT. A DRAFT WORK PLAN SUBMITTED TO DEC BY LABELLA ADDRESSES CONTAMINATION NOTED DURING PREVIOUS PHASE II WORK CONDUCTED BY DAY ENVIRONMENTAL AND SUPPLEMENTED BY LABELLA. PHASE II'S IDENTIFIED AREAS OF CONTAMINATION UNDER PARKING LOT NEXT TO BUILDING THAT WAS THE LOCATION OF FORMER STAR LAUNDRY THAT OCCUPIED THE SITE. SITE WIDE LOW LEVEL SOLVENT CONTAMINATION WAS IDENTIFIED AS WELL AS CONCENTRATED AREAS OF PETROLEUM CONTAMINATION."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES	AFFECTED
unknown petroleum	Petroleum	0.00000	0.00000	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,	

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ROCHESTER INSTITUTE OF TECHNOLOGY	61 LOMB MEMORIAL DRIVE ROCHESTER	NY DAVE ARMENINI

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:
 "DEC TO EVALUATE REPORT. 11/25/2014: RECEIVED FROM HENRY WILKIE - REMEDIAL SECTION B, LETTER OF CONTAINED IN DETERMINATION SENT TO DAVE ENGERT OF LABELLA. CONCENTRATIONS OF HAZARDOUS COMPONENTS WERE BELOW CONTAINED IN ACTON LEVELS AND SOIL CAN BE DISPOSED OF AT MILL SEAT LANDFILL. 02/23/2015: LABELLA SUBMITTED A REMEDIAL ACTION REPORT IN DECEMBER 2014 OUTLINING THE ACTIVITIES WITH REGARDS TO SOIL EXCAVATION OF CONTAMINATED SOILS CONTAINING PETROLEUM AND LOW LEVELS SOLVENTS. BASED UPON THE SOIL REMOVAL AND THE CONFIRMATORY SAMPLES, NO FURTHER ACTION IS REQUIRED."

PIN	T&A	COST CENTER	
CLASS: B4	CLOSE DATE 12/11/2015 12:00:00 AM	MEETS STANDARDS	False

Adj W
(inactive)

NYSDEC SPILL REPORT FORM				
DEC REGION:	8	SPILL NUMBER:	0650574	
SPILL NAME:	EDUCATIONAL OPPORTUNITIES CENTER	DEC LEAD:	DLTILTON	
SPILL LOCATION				
SPILL DATE:	7/11/2006	SPILL TIME:	13:23:00	
ALL RECEIVED DATE:	7/11/2006	RECEIVED TIME:	13:53:00	
PLACE:	EDUCATIONAL OPPORTUNITIES CENTER	COUNTY:	Monroe	
STREET:	305 ANDREWS STREET	TOWN/CITY:	ROCHESTER	
CONTACT:		COMMUNITY:	ROCHESTER	
SPILL CAUSE:	Deliberate	SPILL REPORTED BY:	Health Department	
SPILL SOURCE:	Commercial/Industrial	WATERBODY:		
CALLER REMARKS:				
"CALLER STATES THAT A 20 YARD ROLLOFF HAD A 5 GALLON CONTAINER OF SODIUM HYDROXIDE PLACED IN IT. WHEN ROLLOFF WAS BEING PICKED UP, WATER AND SODIUM MIXED CAUSING A REACTION. SOME OF THE MATERIAL MADE IT TO THE STORM SEWER. F.D. ON SCENE WITH MCHD, TO BE FLUSHED WITH WATER. COPY TO LAW ENFORCEMENT."				
MATERIAL	CLASS	SPILLED RECOVERED RESOURCES AFFECTED		
sodium hydroxide	Hazardous Material	5.00000G 0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,	
POTENTIAL SPILLERS				
COMPANY	ADDRESS		CONTACT	
Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure
DEC REMARKS:				

PIN CLASS	T&A CLOST DATE	COST CENTER MEETS STANDARDS		
C3	7/11/2006 12:00:00 AM		False	

= 1.2 SE
(Active)

NYSDEC SPILL REPORT FORM

DEC REGION:	8	SPILL NUMBER:	0070376
SPILL NAME:	STILLSON STREET GARAGE	DEC LEAD:	MFZAMAR

SPILL LOCATION

SPILL DATE:	9/8/2000	SPILL TIME:	08:30:00
ALL RECEIVED DATE:	9/8/2000	RECEIVED TIME:	10:30:00
PLACE:	STILLSON STREET GARAGE	COUNTY:	Monroe
STREET:	STILLSON ST/ACHILLES ST	TOWN/CITY:	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:	DAVE DELMONTE	CONTACT PHONE:	
SPILL CAUSE:	Unknown	SPILL REPORTED BY:	Responsible Party
SPILL SOURCE:	Commercial/Industrial	WATERBODY:	

CALLER REMARKS:
 "3-500 TO 1,000 GALLON UNDERGROUND #2 FUEL TANKS WERE ENCOUNTERED, FILLED WITH K-CRETE. CONTAMINATED SOILS WERE ALSO ENCOUNTERED AND ARE BEING REMOVED. BF ADVISED COMPANY TO NOTIFY THE FIRE MARSHALL. SITE NEEDS INSPECTION. FAXED TO MCHD ON 09/08/2000 AT 1135 HRS."

MATERIAL CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
#2 fuel oil Petroleum	0.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
TRIANGLE BLDG ASSOCIATION	39 STATE STREET ROCHESTER	NY DAVE DELMONTE

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:
 "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MZ 09/11/2000 SAW ENVIRONMENTAL HAS BEEN HIRED AND REMOVED THE TANKS AND 100 TONS OF CONTAMINATED SOILS. SAMPLES HAVE BEEN TAKEN OF THE EXCAVATION AND CONTAMINATED SOILS TO BE HAULED TO LANDFILL. CONCERNED ABOUT SOME RESIDUAL CONTAMINATION IN THE EXCAVATION ON THE WALL FACING ACHILLES STREET WHERE A SAMPLE WAS TAKEN SEPARATELY OF THAT WALL. MCHD ALSO ON SCENE."

PIN	T&A	COST CENTER	
CLASS:	B3	CLOSE DATE	MEETS STANDARDS
			False



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

September 14, 2018

Ms. Jill Bishop
NYS DEC
6274 East Avon-Lima Road
Avon, New York 14414

RE: FOIL REQUEST
JOB NUMBER 5530E-18

Dear Ms. Bishop:

This letter is a Freedom of Information Law request for the following location:

OWNER

PROPERTY

City of Rochester

101-113 Franklin Street and
106 Pleasant Street
Rochester, New York

Kiplings

“

Redemptionist Fathers of New York

“

We would appreciate being informed of any environmental records on the above sites.

If there are any questions or additional information is required, do not hesitate to call. Thank you for your cooperation.

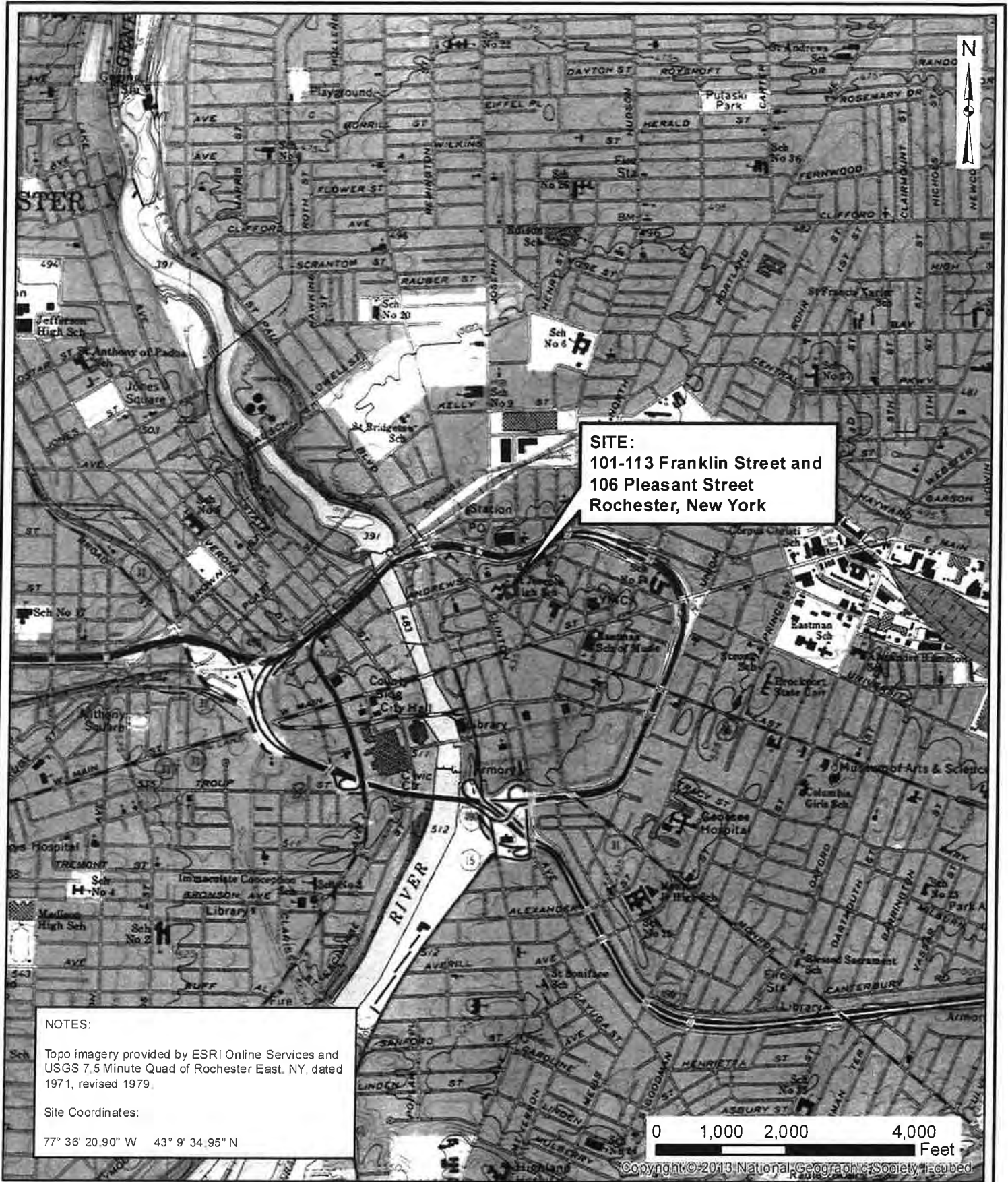
Very truly yours,


Sandi M. Miller

SMM/s

*Map Attached

FR5891



Date	08-28-2018
Drawn By	CPS
Scale	AS NOTED

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title	101-113 FRANKLIN STREET AND 106 PLEASANT STREET ROCHESTER, NEW YORK
Drawing Title	PHASE I ENVIRONMENTAL SITE ASSESSMENT Project Locus Map

Project No.	5530E-18
	FIGURE 1

2007 DEC FOIA response

NYS Department of Environmental Conservation
Region 8 Freedom Of Information Law
6274 East Avon-Lima Road
Avon, New York 14414-9519
Website: www.dec.state.ny.gov



Alexander B. Grannis
Commissioner

10/31/2007

NOV - 2 2007

3982 EOT

Kelly Crandall
Day Environmental, Inc.
40 Commercial Street
Rochester, NY 146141008

FOIL ID: 07-1071

Subject: 101-113 Franklin Street, 98 and 106 Pleasant Street, Rochester, NY

Dear Ms. Crandall:

Your request has been reviewed for the above referenced records under the New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided. If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations, or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, claims, investigations, or inquiries.

Please Note: Unless you gave us a spill number, we did not do a search of the spills files. We did not inquire whether the Albany office or other regional offices of our Department have records of the type you requested. We did not check for the existance or proximity to a State regulated wetland.



After a diligent search, no records could be located for the names and/or addresses you provided.



Records have been found by the following units and are available for review and/or copying. The size of the file(s) are listed to the right of the unit(s).

There is no charge to review records or for copies of seven or fewer pages. By law, copy charges will not exceed 25 cents per page or the actual cost of copying. Photographs, maps, oversized documents, videotapes, or audio tapes generally cost more than 25 cents per page to copy. You may be required to pay a deposit prior to copies being made and/or to pay all copy charges prior to copies being sent.

Depending on the volume of copies requested, they may be sent to an outside copy service. If you desire to review the records, please be aware that due to limited office space, only two people can be accomodated in the document review area.

Please inform us within 14 days from the date of this letter how you wish to proceed. After that time you will need to resubmit your request.



**Application for Access to Records
Freedom of Information Law (FOIL)
Monroe County, New York**

I hereby apply to inspect obtain a copy of the following records:*

Please be specific:

1) MCDOTT Records
 2) Local Waste Sites Within 1/2 mile
 for the following property:
 101-113 Franklin St + 106 Pleasant St
 Rochester, NY 14604

Name: Sandi Miller Signature: Sandi Miller

Representing: (if applicable) Day Environmental, Inc. Date: 8-24-18

Mailing Address: 1563 Lyell Ave. Telephone: (include area code) 585-454-0210

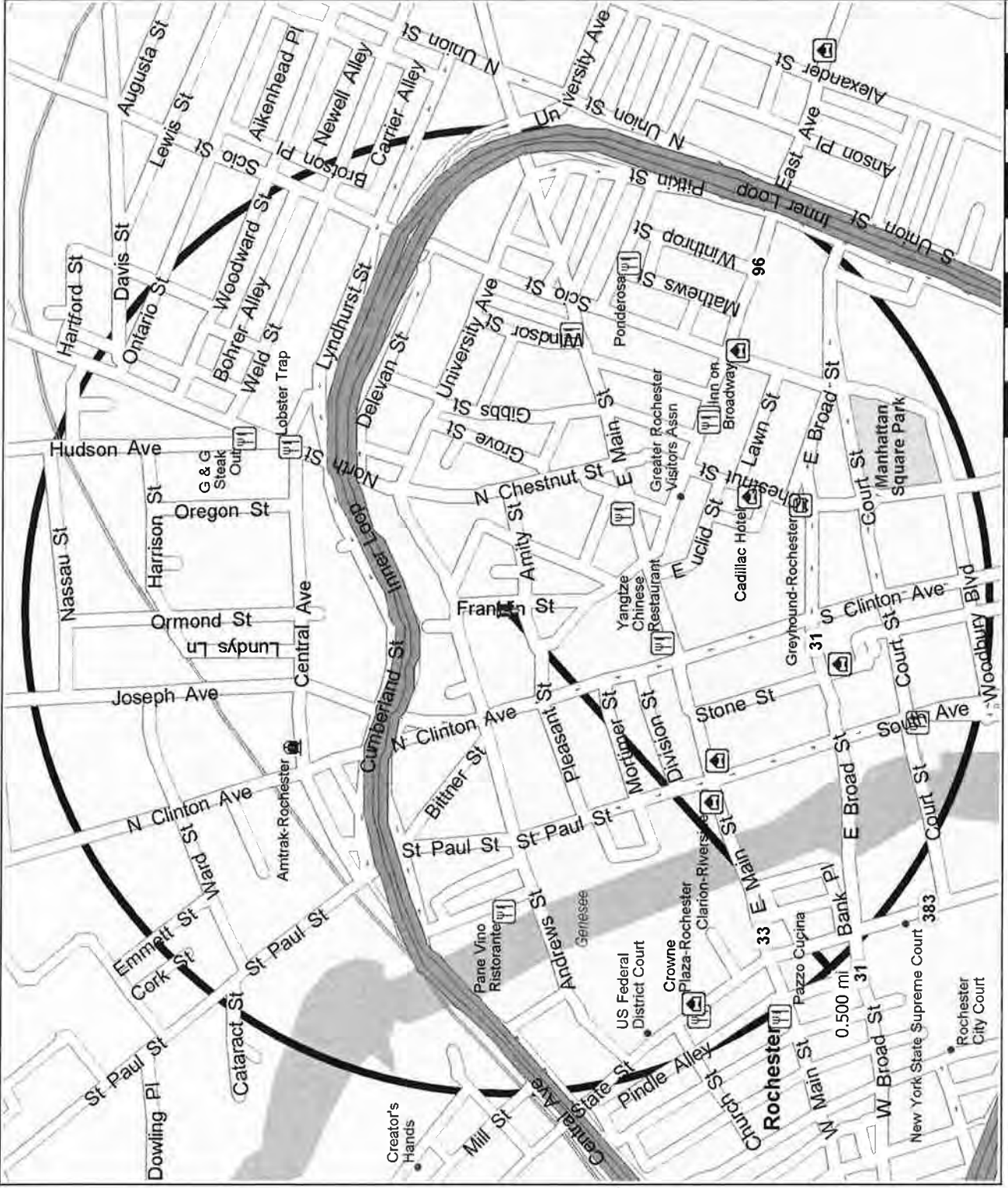
City, state, zip code: Rochester, NY 14606 Job # 5330E-18 X 122

*There is no charge for the inspection of documents; however, if duplication is requested by you, a charge of \$.25 per page is payable to Monroe County.

Notice: You have a right to appeal denial of this application.

Send Request to:
 Monroe County Access Officer
 204 County Office Building • 39 West Main Street • Rochester, New York 14614
 Phone: (585) 753-1080 • fax: (585) 753-1068 • www.monroecounty.gov

101-113 Franklin St. & 106 Pleasant St., Rochester, NY





City of Rochester

RECORDS ACCESS APPLICATION

(Please print or type)

8-24-18
Date

Sandi Miller
Print Name

Day Environmental, Inc.

Representing
(585) 454-0210 (ext. 122)

Telephone #

1563 Lyell Avenue

Mailing Address

Rochester, New York 14606

Sandi Miller
Signature

DAY# 5530E18

I hereby apply to inspect and / or copy the following record(s):

Claim #

E-mail address:

- Bldg. Dept.:**
1. Complaints/Violations
 2. Permits
 3. Spills, Leaks, Environmental Issues

- Fire Dept.:**
1. Storage Tanks
 2. Fire Incident Reports
 3. Spills, Leaks, Environmental Issues
 4. Hazardous Materials

- Assessor's Office:**
1. Property Card for Property
 2. Tax Map of Area of Property

SBL#s: 106.80-1-25.001 + 106.80-1-44.003

Property Address:

101-113 Franklin St + 106 Pleasant St

Return completed application to:
Records Access Officer
Bureau of Communications
City Hall, 30 Church Street, Room 202A
Rochester, New York 14614-1287
or FAX to: (585) 428-7069

There is a 25¢ per page charge for copying most records.
For more information on public access to records,
call (585) 428-6066.

FOR AGENCY USE ONLY

- Approved
- Partially Approved
- Denied
- Record not maintained by the City

Records Access Officer

Date

FOR APPEAL ONLY

If you wish to appeal the Record Access Officer's decision on your application for public access to records, sign below and send this form within 30 days to:

Corporation Counsel
City Hall, 30 Church Street, Room 400A
Rochester, New York 14614-1295

I hereby appeal:

Signature

Date

Sandi Miller

From: Fratta, Joseph C. <Joe.Fratta@CityofRochester.Gov>
Sent: Monday, August 27, 2018 12:50 PM
To: Sandi Miller
Subject: City FOIL Response, Franklin St & Pleasant St. (RR18-03740) (5530E-18)
Attachments: Attachments.html

City of Rochester ShareFile Attachments

Expires September 26, 2018

101-113 Franklin St.pdf	221.6 KB
106 Pleasant.pdf	74.3 KB
106800.pdf	368.6 KB
BIS Permits Franklin & Pleasant.pdf	54.4 KB
DEQ 101-113 Franklin & 98 & 106 Pleasant ...007.pdf	7.4 MB
GIS Map.pdf	624.9 KB
Property Cards 101-113 Franklin.pdf	6.1 MB
Property Cards 106 Pleasant.pdf	1.9 MB

[Download Attachments](#)

Files are sent and received securely. Files will be available for up to 30 days from the time they are sent. [Learn More.](#)

• Dear Sandi Miller,

Your Freedom of Information Law (FOIL) request #RR18-03740 has been processed. You requested information regarding: tanks, permits, spills, HAZMAT, fires, incidents, environmental, property cards, tax map"

For the following location(s):

101 - 113 Franklin St. (all odd numbers inclusive)

106 Pleasant St.

115 Franklin St.

Your request included additional reference numbers:

5530E-18

Attached are responses from DEQ, BIS-Permits, Maps and Assessment-Property Cards.

Fire Safety, HAZMAT and Fire Service Calls found nothing.

There is no charge for records for projects conducted on behalf of the City.

Records Access Response Team

101-113 FRANKLIN ST - 14605

SBL: 106.80-1-25.001

SBL20: 10680000010250010000



City of Rochester, NY
Lovely A. Warren, Mayor



Owner Name: CITY OF ROCHESTER
Owner Address: 30 CHURCH ST RM 125B
 ROCHESTER NY 14614
Frontage: 132.82000000
Depth: 206.70000000
Acreage: 0.58
Use Code: 438 - PARKING LOT
Zoning: CCD-B
Land Value: \$247,000.00
Assessed Value: \$270,000.00
Tentative Land Value: \$247,000.00
Tentative Total Value: \$270,000.00
Sale Date:
Sale Price: \$0.00

Tax Exemptions

ExemptionCode	13350
ExemptionAmount	\$ 270,000.00
ExemptionPercent	0
InitialYear	85
TermYear	

Special Districts

Special District Code	Special District Desc	Units
SC400	STREET MAINT. FULL	0
RP600	ROADWAY SNOW PLOW	0
SP700	SIDEWALK SNOW PLOW	0
HSR00	HAZARD SDWLK REPLACE	0
DG100	DTOWN SPEC SERVICES	0

101-113 FRANKLIN ST



August 24, 2018

This map is intended for general reference only.
The City of Rochester makes no representation
as to the accuracy or fitness of the data presented.

City of Rochester, NY



City of Rochester, NY
Lovely A. Warren, Mayor

106 PLEASANT ST - 14604



City of Rochester, NY
 Lovely A. Warren, Mayor

SBL: 106.80-1-44.003

SBL20: 10680000010440030000

Owner Name: CITY OF ROCHESTER
Owner Address: 30 CHURCH ST RM 125B
 ROCHESTER NY 14614

Frontage: 81.09000000
Depth: 134.49000000
Acreage: 0.12

No photo available.

Use Code: 330 - VACANT COMMERCIAL LAND

Zoning:

Land Value: \$16,500.00

Assessed Value: \$16,500.00

Tentative Land Value: \$16,500.00

Tentative Total Value: \$16,500.00

Sale Date:

Sale Price: \$0.00

Tax Exemptions

ExemptionCode

ExemptionAmount

ExemptionPercent

InitialYear

TermYear

Special Districts

Special District Code	Special District Desc	Units
RP600	ROADWAY SNOW PLOW	0
SC400	STREET MAINT. FULL	0
SP700	SIDEWALK SNOW PLOW	0
HSR00	HAZARD SDWLK REPLACE	0
DG100	DTOWN SPEC SERVICES	0

ARMSUM ASSESSMENT - SUMMARY DISPLAY - CURRENT YEAR DATE: 08/27/2018 DISPLAY

106 800 0001 025 001 0000 00 1 OI P 00	CT/B-AD 0090.00 124 07 DISC 000000000
0101-113 FRANKLIN ST 14605 USE 438 30 SF YR N/A	
- OWNER & MAILING INFORMATION - MISC. -	- - - - - ASSESSMENT DATA - - - - -
CITY OF ROCHESTER RS - SS CURRENT TAXABLES	
8 - 5 LAND 247,000 COUNTY 0	
% SARAH NOWACK ACT HSC TOTAL 270,000 CITY 0	
30 CHURCH ST RM 125B A - N PRIOR SCHOOL 0	
ROCHESTER, NY 14614 00009 NGBHD LAND 247,000 BANK CODE 0000129	
	TOTAL 270,000 MORTGAGE INVESTOR 00129
- - - - - SALES INFORMATION - - - - -	- - DIMENSIONS - - - COORDINATES - -
PRICE 0 DEED DATE 000000	F 132.82 D 206.70 E 409131 N 152800
BOOK 00000 PAGE 00000 CTL# 00000000	ACRES 0.59 SP/MRG 00000000 IR LT I
PR OWNER	- - - - - SPECIAL DISTRICTS - - - - -
- - - - - EXEMPTIONS - - - RES% 00	SPC UNITS PCT TYPE VALUE
CODE AMOUNT PCT IY TY HC	SC400 0.00 .0000 U 136.00
13350 000270000 0.00 85	RP600 0.00 .0000 U 136.00
00000 000000000 0.00 00	SP700 0.00 .0000 U 136.00
00000 000000000 0.00 00	HSR00 0.00 .0000 U 136.00
	DG100 0.00 .0000 0.00
	0.00 .0000 0.00

PF10-APPRAISER TASK LOG
 PF12-RETURN TO ARMXLOC

WARD 7 PAGE 4 LINE 19 STREET and No. 101 Franklin St CITY MAP No. 140.1.2
 LOT DIMENSIONS 32x66x165x106 F. M. PERMIT SBL# 106.800-001-027.001 DEPUTY
 6070 06090-01.1

DATE OF DEED 3/28/80
 1-21-57
 covers 4 parcels
 City of Rochester
 Redemptorist Fathers of New York
 Missionary Soc of the Most Holy
 Redeemer of the State of N Y

OWNER ADDRESS Lot 130

FRAME	ROOFING	CHIMNEY (No.)	ATTIC	CELLAR
SHINGLE, SIDING	CLASS	INSIDE OF WALLS	NONE FULL	NONE FULL
SIDING 8-10 IN.	MATERIAL	OUTSIDE OF WALLS	BATHROOM	PART
PLASTER, STUCCO	PORCH (Size each)	FIREPLACE (No.)	TOILET LAVATORY	DIRT FLOOR
BRICK VENEER	OPEN	WOOD OR COAL	FINISHED ROOMS	FINISHED ROOMS
TILE OR BLOCK	1 STORY	GAS	SIZE	SIZE
PLASTER, STUCCO	2 STORY	PLUMBING (No.)	FLOORING	HEATING
BRICK VENEER	GLASS	CLASS	PINE	STOVE
SOLID BRICK	1 STORY	WASHROOM	OAK	HOT AIR
CONCRETE BLOCK	2 STORY	BATHROOM	PARQUET	HOT WATER, VAPOR
GARAGE SEPARATE	COMBINATION	SINK KITCHEN	INTERIOR TRIM	STEAM
CLASS	2 STORY	LAVATORY	PINE WHITEWOOD	SEWER WATER
NO. OF CARS	GARAGE ATTACHED	CLOSET	CHESTNUT	GAS
MATERIAL	ROUGH INTERIOR	TUB LAUNDRY	GUM	ELECTRICITY
HEATED	SEALED INTERIOR	SHOWER SEPARATE	OAK BIRCH MAHOGANY	CONDITION
ROOMS OVERHEAD	ROOMS OVERHEAD	TILED FLOOR		GOOD FAIR POOR
SIZE	PORCH OVERHEAD	TILED WALL		

YEAR	UNIT VALUE	D.F.	LAND UNITS	LAND VALUE	VALUE OF IMPROVEMENTS	TOTAL	EXEMPTION	REASON	TAX VALUE	ASSESSOR	DATE
1976	2101#	11726	47.19	9600					12,000	P.H.	1981-82
1983	2101#			15000					11,980/1985	J.H.	83-84
				11980							
				11520			28800				

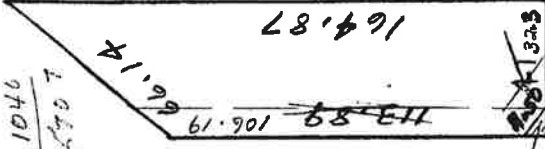
DESCRIPTION	DATE	ROOM	HEIGHT	CLASS	FACTOR	AREA	NOMINAL VALUE	DEVIATIONS	VALUE
P.V. 8300011	3.3.83								

330-030-163

SCALE 1" = 50'

$$\frac{164+125}{2} \times 32.3 = 4667$$

$$\frac{125+106}{2} \times 9 = \frac{1046}{2907}$$



Transf.
To
Pilgrim St
DUG 83000111

5714.54
2.70
5680#

FRANKLIN ~~50~~ ST.

5707 Sq FT @ 2.10 = \$11,985

19
GR. APPR.
BUILT
% R. V.
NET
LAND
TOTAL

6069 WARD 7 PAGE 50 x 59 * 112 81x106x0139 STREET and No. 90 Pleasant St CITY MAP No. 14-0T-218 106.800-000/048.1
 03945-012 LOT DIMENSIONS 50 x 59 * 112 81x106x0139 F. M. PERMIT DEPUTY MICROFILMED AUG 14 1984

OWNER.	ADDRESS	DATE OF DEED	M. R.
City of Rochester	covers 4 parcels	3/28/80	
Redemptorist Fathers of New York		1-21-57	
MISSIONARY SOCY HOLY REDEEMER	108 FRANKLIN ST		

FRAME	ROOFING	CHIMNEY (No.)	ATTIC	CELLAR
SHINGLE, SIDING	CLASS	INSIDE OF WALLS	NONE	NONE
SIDING 8-10 IN.	MATERIAL	OUTSIDE OF WALLS	FULL	FULL
PLASTER, STUCCO	PORCH (Size each)	FIREPLACE (No.)	BATHROOM	PART
BRICK VENEER	OPEN	WOOD OR COAL	TOILET LAVATORY	DIRT FLOOR
TILE OR BLOCK	1 STORY	GAS	FINISHED ROOMS	FINISHED ROOMS
PLASTER, STUCCO	2 STORY	PLUMBING (No.)	SIZE	SIZE
BRICK VENEER	GLASSED	CLASS	FLOORING	HEATING
SOLID BRICK	1 STORY	WASHROOM	PINE	STOVE
CONCRETE BLOCK	2 STORY	BATHROOM	OAK	HOT AIR
GARAGE SEPARATE	COMBINATION	SINK KITCHEN	PARQUET	HOT WATER, VAPOR
CLASS	2 STORY	LAVATORY	INTERIOR TRIM	STEAM
NO. OF CARS	GARAGE ATTACHED	CLOSET	PINE WHITEWOOD	IMPROVEMENTS
MATERIAL	ROUGH INTERIOR	TUB LAUNDRY	CHESTNUT	SEWER WATER
HEATED	SEALED INTERIOR	SHOWER SEPARATE	GUM	GAS
ROOMS OVERHEAD	ROOMS OVERHEAD	TILED FLOOR	OAK BIRCH MAHOAGANY	ELECTRICITY
SIZE	PORCH OVERHEAD	TILED WALL		CONDITION
	SIZE			GOOD FAIR POOR

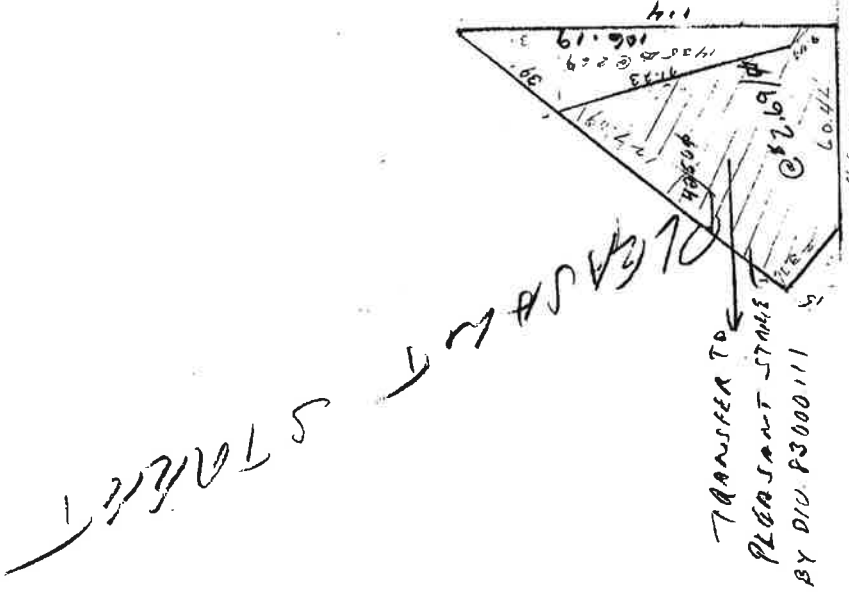
YEAR	UNIT VALUE	D.F.	LAND UNITS	LAND VALUE	VALUE OF IMPROVEMENTS	TOTAL	EXEMPTION	REASON	TAX VALUE	ASSESSOR	DATE
1973	2,694		5717	11,430		11,430		Revisions	11,430	W.C.	1973
				3860		3860		CITY	3860	E.R.A.	1981-82
										JH	83-84

DESCRIPTION	DATE	ROOM	HEIGHT	CLASS	FACTOR	AREA	NOMINAL VALUE	DEVIATIONS	VALUE
D.V. P300111	3-3-83								

630-1070-140 330.030-163

BUILDING DEMOLISHED MARCH 30TH-1937

400' 500' 600' 700' 800' 900' 1000' 1100' 1200' 1300' 1400' 1500' 1600' 1700' 1800' 1900' 2000'



FRONTAGE } 71.23
ON } 9.49
PLEASANT ST = 81 ±

300' 400' 500' 600' 700' 800' 900' 1000' 1100' 1200' 1300' 1400' 1500' 1600' 1700' 1800' 1900' 2000'

FRANKLIN SQ ST

WARD 7 PAGE 115 LINE 87 STREET and No. 67 FRANKLIN SQ CITY MAP No. 14-01215
 LOT DIMENSIONS 50 x 32 x 198 LOT 128 F. M. PERMIT LOT 128 DEPUTY MICROFILMED AUG 14 1964
 106,800 - 0001 - 02

OWNER	ADDRESS	DATE OF DEED	M. R.
City of Rochester	covers 4 parcels	3/28/80	
Redemptorist Fathers of New York		1-21-57	
MISSIONARY SOC OF THE MOST HOLY	108 FRANKLIN SQ		
REDEEMER OF THE STATE OF N.Y.			

FRAME	ROOFING	CHIMNEY (No.)	ATTIC	CELLAR
SHINGLE, SIDING	CLASS	INSIDE OF WALLS	NONE FULL	NONE FULL
SIDING 8-10 IN.	MATERIAL	OUTSIDE OF WALLS	BATHROOM	PART
PLASTER, STUCCO	PORCH (Size each)	FIREPLACE (No.)	TOILET LAVATORY	DIRT FLOOR
BRICK VENEER	OPEN	WOOD OR COAL	FINISHED ROOMS	FINISHED ROOMS
TILE OR BLOCK	1 STORY	GAS	SIZE	SIZE
PLASTER, STUCCO	2 STORY	PLUMBING (No.)	FLOORING	HEATING
BRICK VENEER	GLASS	CLASS	PINE	STOVE
SOLID BRICK	1 STORY	WASHROOM	OAK	HOT AIR
CONCRETE BLOCK	2 STORY	BATHROOM	PARQUET	HOT WATER, VAPOR
GARAGE SEPARATE	COMBINATION	SINK KITCHEN	INTERIOR TRIM	STEAM
CLASS	2 STORY	LAVATORY	PINE WHITEWOOD	IMPROVEMENTS
NO. OF CARS	GARAGE ATTACHED	CLOSET	CHESTNUT	SEWER WATER
MATERIAL	ROUGH INTERIOR	TUB LAUNDRY	GUM	GAS
HEATED	SEALED INTERIOR	SHOWER SEPARATE	OAK BIRCH MAHOAGANY	ELECTRICITY
ROOMS OVERHEAD	ROOMS OVERHEAD	TILED FLOOR		GOOD FAIR POOR
SIZE	PORCH OVERHEAD	TILED WALL		

YEAR	UNIT VALUE	D. F.	LAND UNITS	LAND VALUE	VALUE OF IMPROVEMENTS	TOTAL	EXEMPTION	REASON	TAX VALUE	ASSESSOR	DATE
1989	SEE OTHER SIDE			ASSESSOR 10,080 FRONT 3,320 TOTAL 13,400					14,080 - 10,080	N.C.	1983
1980	SEE OTHER SIDE			13,420					13,420 - 14,180		1981-82

DESCRIPTION	DATE	ROOM	HEIGHT	CLASS	FACTOR	AREA	NOMINAL VALUE	DEVIATIONS	VALUE

EW 12-54 L488

438-030-605

7/23/80 INSPECTED NO BLDG.

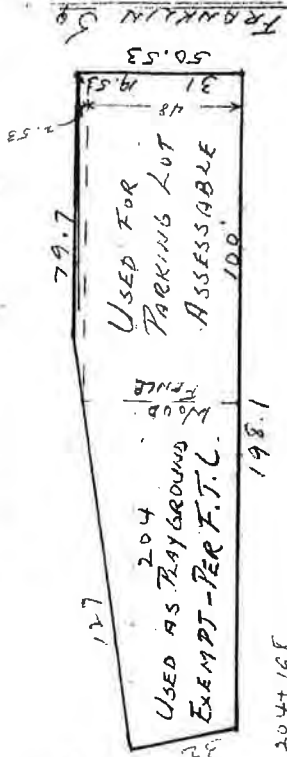
BRICK 10 OFFICE

F.M. 6-10-32
F.J. 7/30
AREA 800' @ 200 = \$160

~~1946 B.D. even into B.H. add -
to office~~

~~BLACKTOP APPROX 5053 SQ FT @ \$15 = 758~~

3/25/50 LAND LUBS CO. SEPT 6-1935



DF $\frac{204 \times 198}{2} = 201 = 1,414.2 \times 31 = 43,84$

DF $\frac{204 \times 30}{2} = 142 = 1,191.6 \times 14.53 = 2,327$
 FRANKLIN SQUAD F.F.S. 67.11 @ 200 = 13,420

ASSESSABLE SECTION

$\frac{204 \times 100}{2} = 102 \times 48 = 48.00$

$\frac{204 \times 100}{2} = 102 \times 14.53 = 2,466$

$50.53 \times 200 = 10,106$

\$16,830

EXEMPT @ 3,340

194.7	10,090	
OR. AP. 1946		758
BLT. 1935	1999	400
% R.V. 1946		1,300
NET		
LAND	13,420	
TOTAL	14,178	



CITY OF ROCHESTER, NEW YORK
BUREAU OF ASSESSMENT
COMMERCIAL/INDUSTRIAL/EXEMPT
LAND PROPERTY RECORD CARD

PARCEL IDENTIFICATION SECTION

SWIS 261400 TAX MAP NUMBER 106.800-0001-025.001 R-SEC CD NM
 OWNER THE CITY OF ROCHESTER LOCATION FRANKLIN ST
 SALE PRICE 101-113 SALE DATE 03/80
 TAX MAP NO. 50.53X LOC. NO. 5 LOT SIZE 198.10
 SCH-DIST 438

AUDIT CONTROL SECTION

VISIT NO (VISITS)	LISTER INFORMATION (LSTINF)		ACTIVITY	ENTRY (ENTRY)	SOURCE (INFSCCE)
	COLLECTOR	DATE (MMDDYY)			
1	1617	02/21/83	N	5	4
2	1200	04/04/83	L	5	4
3					

QUALITY CONTROL (QCBY)

DATE (MMDDYY) 01/11/80

SALES INFORMATION SECTION

DATE (SALDTE) YYYM	PRICE (SALPRC)	TYPE (SALTYP)	SOURCE (VERIFY)	VALID (VALID)	CHECK	SOURCE2

LAND TYPE CODES (LNDTYP)

- 01 - PRIMARY
- 02 - SECONDARY
- 03 - UNDEVELOPED
- 04 - RESIDUAL
- 07 - WOODLAND
- 08 - WASTELAND
- 10 - WATERFRONT
- 12 - REAR
- 14 - WETLAND
- 15 - LEASED LAND

EFFECTIVE CODE (EFFCD)

- 1 - FRONT ONLY
- 2 - DEPTH ONLY
- 3 - FRONT AND DEPTH

AUDIT CONTROL CODES
 N = NONE
 M = MEASURED ONLY
 L = LISTED

ENTRY (ENTRY)
 1 = INTERIOR INSPECTION
 2 = INTERIOR REFUSAL
 3 = TOTAL REFUSAL
 4 = ESTIMATE
 5 = NO ENTRY

SOURCE (INFSCCE)
 1 = OWNER
 2 = RELATIVE
 3 = TENANT
 4 = OTHER

SALES INFORMATION CODES
 1 = LAND ONLY
 2 = BLDG ONLY
 3 = LAND & BLDG

SOURCE (VERIFY)
 1 = UNCONFIRMED
 2 = BUYER
 3 = SELLER
 4 = STAMPS
 5 = AGENT

VALID (VALID)
 1 - VALID SALE
 2 - INVALID SALE

REASONS FOR INVALID SALE

- SALE INVOLVED ADD'L PARCELS
- LIQUIDATION/FORECLOSURE
- PARTIES UNDER COMPULSION TO ACT
- FINANCING/LAND CONTRACT
- PROP CHANGED AFTER SALE (SEE SALES HISTORY)
- INCLUDED EXCESSIVE PERSONAL PROPERTY OR OTHER (SEE MEMO)
- RELATED INDIVIDUALS OR CORP

I CERTIFY THAT THE INFORMATION RECORDED ON THIS CARD WAS COLLECTED WITH MY KNOWLEDGE MY SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH THE DATA RECORDED

SIGNATURE _____ DATE _____

LAND BREAKDOWN SECTION

LAND TYPE (LNDTYP)	ACRES (ACRES)	DEPTH (DEPTH)	FRONT FEET (FRNTFT)	WATERFRONT (WTRFRFT)	SQUARE FEET (SQFT)	WATERFRONT TYPE (WTRFRFT)	WATERFRONT INFLUENCE PERCENT (INFLPC)
01	5.9				25,670		

SWIS/SBI/CD/RS 261400
 ROUTE NUMBER 106.800-0001-025.001
 NEIGHBORHOOD CODE (NBHD) NM
 ZONING & OVERLAY DISTRICT CODES (ZONING)
 GENERAL ZONES
 1000 - RESIDENTIAL
 2000 - COMMERCIAL
 3000 - INDUSTRIAL
 4000 - PLANNED UNIT DEV
 5000 - RIVER HARBOR
 6000 - HISTORICAL
 7000 - OPEN SPACE
 8000 - TRANSITIONAL PARKING

SITE INFORMATION SECTION
 NEIGHBORHOOD TYPE (NBHTYP) 1 = CENT BUS DIST 2 = MAJOR STRIP 3 = SECONDARY STRIP 4 = MIXED 5 = INDUSTRIAL PARK 6 = MAJOR INDUSTRIAL
 ROAD (ROAD) 1 = NONE 2 = MAJ THOROUGH 3 = SECONDARY ARTER 4 = ONE WAY
 TRAFFIC (VEHTRF) 1 = HEAVY 2 = MEDIUM 3 = LIGHT 4 = LANDLOCKED
 ACCESS (ACCESS) 1 = LIMITED 2 = ADEQUATE 3 = GOOD
 SEWER (SEWER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC
 WATER (WATER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC
 OTHER UTILITIES (UTIL) 1 = NONE 2 = GAS 3 = ELECTRIC 4 = GAS AND ELECTRIC
 NEIGHBORHOOD TREND (NBHTRN) 1 = DECLINING 2 = STATIC 3 = IMPROVING
 SITE DESIRABILITY (SITDSR) 1 = INFERIOR 2 = TYPICAL 3 = SUPERIOR
 PARKING (PARKNG) 0 = NONE 1 = INADEQUATE 2 = 1 ON A OFF 3 = A ON I/OFF 4 = ADEQUAT
 PHYSICAL CHANGE (PHYCHG) 1 = BLDG CONST 2 = IMP CONST 3 = BLDG DEMO 4 = IMP DEMO
 SIDEWALK FOOTAGE (SDWKF) _____

SALES NOTES & MEMORANDUM

WATERFRONT TYPE (WTRFRFT)
 1 = POND 4 = CANAL
 2 = RIVER 5 = OCEAN/RA
 3 = LAKE
 INFLUENCE CODES (INFLCD)
 1 = TOPOGRAPHY 5 = VIEW
 2 = LOCATION 6 = WETNESS
 3 = SHAPE 7 = OTHER
 4 = RESTRICTED USE 8 = CORNER/ALLEY

005

BUILDING	SECTION	YEAR BUILT	BUILT AS		EXTERIOR WALL MATERIAL	EXTERIOR FACING MATERIAL		FRAME TYPE	ROOF TYPE (SLOPE)		ROOF MATERIAL							
			NO. UNITS	FRAME TYPE		NO. UNITS	FRAME TYPE		NO. UNITS	FRAME TYPE		NO. UNITS	FRAME TYPE					
EXT. COND.	NO. UNITS	YEAR BUILT	MATERIAL	BASEMENT PERIMETER	EXTERIOR CODES	USED AS	LENGTH	SQUARE FEET	INTERIOR FINISH %	PARTITIONS	FLOOR CONSTR.	LIGHTING %	PLUMBING	HEATING SYSTEM	AIR CONDITION	SPRINKLER	FUNCTIONAL	
																		EXT. WALL
MATERIAL	LINEAR FEET	HEIGHT	MATERIAL	LINEAR FEET	HEIGHT	FROM	TO	SHAPE	WIDTH	FLOOR CONSTRUCTION	INTERIOR CODES	MISC CODES	APARTMENT INFORMATION	TYPE	NUMBER EFFICIENCY	NUMBER 1 BEDROOM	NUMBER 2 BEDROOM	NUMBER 3 BEDROOM

BUILDING	SECTION	YEAR BUILT	BUILT AS		EXTERIOR WALL MATERIAL	EXTERIOR FACING MATERIAL		FRAME TYPE	ROOF TYPE (SLOPE)		ROOF MATERIAL							
			NO. UNITS	FRAME TYPE		NO. UNITS	FRAME TYPE		NO. UNITS	FRAME TYPE		NO. UNITS	FRAME TYPE					
EXT. COND.	NO. UNITS	YEAR BUILT	MATERIAL	BASEMENT PERIMETER	EXTERIOR CODES	USED AS	LENGTH	SQUARE FEET	INTERIOR FINISH %	PARTITIONS	FLOOR CONSTR.	LIGHTING %	PLUMBING	HEATING SYSTEM	AIR CONDITION	SPRINKLER	FUNCTIONAL	
																		EXT. WALL
MATERIAL	LINEAR FEET	HEIGHT	MATERIAL	LINEAR FEET	HEIGHT	FROM	TO	SHAPE	WIDTH	FLOOR CONSTRUCTION	INTERIOR CODES	MISC CODES	APARTMENT INFORMATION	TYPE	NUMBER EFFICIENCY	NUMBER 1 BEDROOM	NUMBER 2 BEDROOM	NUMBER 3 BEDROOM

STRUCT. CODE	MS CD	MEASUREMENT 1	MEASUREMENT 2	MISCELLANEOUS IMPROVEMENTS		BUILDING NUMBER	SECTION	NUMBER IDENTICAL UNITS	CONDITION	FUNCTIONAL UTILITY	YEAR BUILT OR INSTALLED	GRADE	INTERNAL	EXTERNAL	BUILT AS CODES	USED AS CODES
				MEASUREMENT 1	MEASUREMENT 2											
LP42		4050	4					01	13	1270	0					

RESIDENTIAL CODES	BUILT AS CODES	USED AS CODES	INTERNAL	EXTERNAL	BUILT AS CODES	USED AS CODES
LP1 - Paving, Concrete	11 - Apartments	11 - Apartment			11 - Apartments	11 - Apartment
LP2 - Paving, Asphalt	12 - Condominium Apis	12 - Hotel/Daymory			12 - Condominium Apis	12 - Hotel/Daymory
DH1 - Overhead Door	13 - Motel	21 - Motel			13 - Motel	21 - Motel
AP1 - Fence, Chain Link	14 - Motel	22 - Multiple Dwelling			14 - Motel	22 - Multiple Dwelling
RR1 - Railroad Siding, Track/Rail	15 - Motel	23 - Row House			15 - Motel	23 - Row House
TC5 - Tennis Court - Clay	16 - Room & Tourist Homes, Restaurants	24 - Residential			16 - Room & Tourist Homes, Restaurants	24 - Residential
TC6 - Tennis Court - Asphalt	17 - Diners	31 - Restaurant			17 - Diners	31 - Restaurant
TC7 - Tennis Court - Rubber Court	18 - Room & Tourist Homes, Restaurants	32 - Department Store			18 - Room & Tourist Homes, Restaurants	32 - Department Store
TC8 - Tennis Court - Concrete	19 - Restaurants	33 - Department Store / Mall			19 - Restaurants	33 - Department Store / Mall
TK1 - Steel Tank with Tower	20 - Snack Bars & Drive Ins	34 - Retail Store			20 - Snack Bars & Drive Ins	34 - Retail Store
TK2 - Wood Tank with Tower	21 - Bars	35 - Tavern/Bar			21 - Bars	35 - Tavern/Bar
TK3 - Petroleum Storage Tank	22 - Office Bldg	41 - Garage/Storage			22 - Office Bldg	41 - Garage/Storage
TK4 - Underground Fuel Tank	23 - Service Stations	42 - Hangar			23 - Service Stations	42 - Hangar
TK5 - Vertical Bulk Storage Tank	24 - Auto Body, Body Shops	43 - Industrial Building			24 - Auto Body, Body Shops	43 - Industrial Building
TK6 - Horizontal Bulk Storage Tank	25 - Professional Bldg	44 - Lot or Light Mfg Plant			25 - Professional Bldg	44 - Lot or Light Mfg Plant
TK7 - Propane Storage Tank	26 - Professional Bldg	45 - Warehouse			26 - Professional Bldg	45 - Warehouse
TK8 - Concrete Surface Reservoir	27 - Parking Garage	46 - Auto Showroom			27 - Parking Garage	46 - Auto Showroom
TK9 - Welded Steel Surface Reservoir	28 - Multi-Use Detached	51 - Bank			28 - Multi-Use Detached	51 - Bank
	29 - Fuel Storage	52 - Medical Building			29 - Fuel Storage	52 - Medical Building
	30 - Lumber Yard	53 - Office Building			30 - Lumber Yard	53 - Office Building
		54 - Nursing Home				54 - Nursing Home
		55 - School				55 - School
		56 - Hospital				56 - Hospital
		61 - Auditorium, Theater				61 - Auditorium, Theater
		62 - Circus/Movie House				62 - Circus/Movie House
		63 - Church/Synagogue				63 - Church/Synagogue
		64 - Open Awn				64 - Open Awn
		81 - Multi-Use Dwelling				81 - Multi-Use Dwelling
		82 - Multi-Use Office				82 - Multi-Use Office
		83 - Multi-Use Sales				83 - Multi-Use Sales
		84 - Multi-Use Storage				84 - Multi-Use Storage

- BE1 - Bank Vault (money, no door)
- BE2 - Bank Vault (Rec Stor, no door)
- BE3 - Bank Vault Door (Circ money)
- BE4 - Bank Vault Door (Rec Stor)
- BE5 - Bank Vault Door (Rec Stor)
- BE6 - Bank Night Deposit Churn
- BE7 - Bank Drive-In Window
- BE8 - Bank Service Window
- BE9 - Bank Drive-In Teller's Booth
- CP8 - Canopy over Conc or St Loading Dock
- CP9 - Canopy, Roof only
- EL1 - Elevator, Electric Freight
- EL2 - Elevator, Electric Passenger
- ES - Escalator
- GH3 - Greenhouse (wood estn, steel frame)
- GH4 - Greenhouse (wood estn, wood frame)
- GH5 - Greenhouse (aluminum st)

CITY OF ROCHESTER, NEW YORK
BUREAU OF ASSESSMENT
COMMERCIAL/INDUSTRIAL/EXEMPT
LAND PROPERTY RECORD CARD

PARCEL IDENTIFICATION SECTION

SWIS 106-500-0001-001-002
 TAX MAP NUMBER 025.001
 CD QN
 R-SEC 8
 PROP CLASS HC
 SCH-DIST 261400
 LOCATION NO 0041
 LOCATION FRANKLIN SQ
 SALE PRICE 0101-103 FRANKLIN ST.
 VALID DATE

PARCEL IDENTIFICATION CORRECTION AREA	SWIS	TAX MAP NO	OWNER	PROG CLASS	LOC NO	LOC	SCHOOL DIST	LOT SIZE
1	106-500-0001-001-002	025.001	REDEMPORIST FATHERS OF NY	HC	5	6	7	8

VISIT NO (VISITS)	LISTER INFORMATION (LSTINF)		DATE (MMDDYY)	TIME	ACTIVITY	ENTRY (ENTRY)	SOURCE (INFSCF)
	COLLECTOR	DATE (MMDDYY)					
1	102	07/16/83	09:41 AM	4	4	4	4
2							
3							

QUALITY CONTROL REVIEWER	DATE	CERTIFIED LETTER (CTFLET)	DATE (MMDDYY)

SALES INFORMATION SECTION	
DATE (SALDTE) YYYYMM	PRICE (SALPRC)

OFFICE USE ONLY	
VALID (VALID)	CHECK

LAND TYPE CODES (LNDTYP)	
LAND TYPE (LNDTYP)	EFFECTIVE CODE (EFFCD)
01 - PRIMARY	
02 - SECONDARY	
03 - UNDEVELOPED	
04 - RESIDUAL	
07 - WOODLAND	

EFFECTIVE CODE (EFFCD)	
1 - FRNTFT ONLY	2 - DEPTH ONLY

AUDIT CONTROL CODES	
ACTIVITY	N = NONE
M = MEASURED ONLY	L = LISTED

ENTRY (ENTRY)	
1 = INTERIOR INSPECTION	2 = INTERIOR REFUSAL
3 = TOTAL REFUSAL	4 = ESTIMATE
5 = NO ENTRY	

SOURCE (INFSCF)	
1 = OWNER	2 = RELATIVE
3 = TENANT	4 = OTHER

SALES INFORMATION CODES	
SALES TYPE (SAL TYP)	1 = LAND ONLY
2 = BLDG ONLY	3 = LAND & BLDG

SOURCE (VERIFY)	
1 = UNCONFIRMED	2 = BUYER
3 = SELLER	4 = STAMPS
5 = AGENT	

VALID (VALID)	
1 = VALID SALE	2 = INVALID SALE

REASONS FOR INVALID SALE	
<input type="checkbox"/> SALE INVOLVED ADDN'L PARCELS	<input type="checkbox"/> LIQUIDATION/FORECLOSURE
<input type="checkbox"/> PARTIES UNDER COMPULSION TO ACT	<input type="checkbox"/> FINANCING/LAND CONTRACT
<input type="checkbox"/> PROP CHANGED AFTER SALE (SEE SALES HISTORY)	<input type="checkbox"/> INCLUDED EXCESSIVE PERSONAL PROPERTY OR OTHER (SEE MEMO)

I CERTIFY THAT THE INFORMATION RECORDED ON THIS CARD WAS COLLECTED WITH MY KNOWLEDGE. MY SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH THE DATA RECORDED.

SIGNATURE _____ DATE _____

SWIS/SBL/CD/RS 261400
 ROUTE NUMBER 906-069-0001-002
 NEIGHBORHOOD CODE (NBHD)
 ZONING & OVERLAY DISTRICT CODES (ZONING)
 GENERAL ZONES 1000 - RESIDENTIAL
 2000 - COMMERCIAL
 3000 - INDUSTRIAL
 4000 - PLANNED UNIT DEV
 5000 - RIVER HARBOR
 6000 - HISTORICAL
 7000 - OPEN SPACE
 8000 - TRANSITIONAL PARKING

SITE INFORMATION SECTION	
NEIGHBORHOOD TYPE (NBHTYP)	1 = CENT BUS DIST
2 = MAJOR STRIP	3 = SECONDARY STRIP
4 = MIXED	5 = INDUSTRIAL PARK
6 = MAJOR INDUSTRIAL	

ROAD	
(ROAD)	0 = NONE
1 = MAJOR THOROUGH	2 = SECONDARY ARTER
3 = LIGHT	4 = LANDLOCKED

TRAFFIC	
(VENTRF)	1 = HEAVY
2 = MEDIUM	3 = LIGHT

ACCESS	
(ACCESS)	1 = LIMITED
2 = ADEQUATE	3 = GOOD

SEWER	
(SEWER)	1 = NONE
2 = PRIVATE	3 = COMM/PUBLIC

WATER	
(WATER)	1 = NONE
2 = PRIVATE	3 = COMM/PUBLIC

OTHER UTILITIES	
(UTIL)	1 = NONE
2 = GAS	3 = ELECTRIC
4 = GAS AND ELECTRIC	

NEIGHBORHOOD TREND (NBHTRM)	
1 = DECLINING	2 = STATIC
3 = IMPROVING	

SITE DESIRABILITY (SITDSR)	
1 = INFERIOR	2 = TYPICAL
3 = SUPERIOR	

PARKING	
(PARKNG)	0 = NONE
1 = INADEQUATE	2 = 1-ON A-OFF
3 = A-ON 1/OFF	4 = ADEQUAT

PHYSICAL CHANGE (PHYCHG)	
1 = BLDG CONST	2 = IMP CONST
3 = BLDG DEMO	4 = IMP DEMO

SIDEWALK FOOTAGE (SDWKF)	

WATERFRONT TYPE (WTRFT)	
1 = POND	4 = CANAL
2 = RIVER	5 = OCEAN/WBP
3 = LAKE	

INFLUENCE CODES (INFLCD)	
1 = TOPOGRAPHY	5 = VIEW
2 = LOCATION	6 = WETNESS
3 = SHAPE	7 = OTHER
4 = RESTRICTED USE	8 = CORNER/ALLEY

SALES NOTES & MEMORANDUM

REASONS FOR INVALID SALE

LAND BREAKDOWN SECTION

ACRES (ACRES)	SQUARE FEET (SQFT)	WATERFRONT (WTRFT)	WATERFRONT TYPE (WTRFT)	INFLUENCE PERCENT (INFLPC)
	2208			



CITY OF ROCHESTER, NEW YORK
BUREAU OF ASSESSMENT
COMMERCIAL/INDUSTRIAL/EXEMPT
LAND PROPERTY RECORD CARD

PARCEL IDENTIFICATION SECTION

SWIS 261400 TAX MAP NUMBER 106.800-0001-027-001
 R-SEC 8
 CO 814
 OWNER THE CITY OF ROCHESTER
 LOCATION NO 3051 LOCATION FRANKLIN SQ
 SALE PRICE 41.00X LOT SIZE 164.87
 SALE DATE 03/80
 SCH-DIST 261400
 PROP CLASS HC
 330

PARCEL IDENTIFICATION CORRECTION AREA	SWIS	TAX MAP NO	OWNER	PROG CLASS	LOC NO	LOC	SCHOOL DIST	LOT SIZE
1	2	3	4	5	6	7	8	

VISIT NO (VISITS)	LISTER INFORMATION (LSTINF)		ACTIVITY	ENTRY (ENTRY)	SOURCE (INFSC)
	COLLECTOR	DATE (MMDDYY)			
1	ALB	04/28/83	N	5	4
2	128	04/08/83	L	5	4
3					

QUALITY CONTROL REVIEWER	DATE	QUALITY CONTROL (CQBY)	VERIFIED LETTER (CTLET)	DATE (MMDDYY)

SALES INFORMATION SECTION				OFFICE USE ONLY	
DATE (SALDTE) (YYMM)	PRICE (SALPRC)	TYPE (SALTYP)	SOURCE (VERIFY)	VALID (VALID)	CHECK

LAND TYPE CODES (LNDTYP)				LAND TYPE (LNDTYP)	EFF CODE (EFFCD)
01 - PRIMARY	02 - SECONDARY	03 - UNDEVELOPED	04 - RESIDUAL		
				01	

AUDIT CONTROL CODES
 N = NONE
 M = MEASURED ONLY
 L = LISTED

ENTRY (ENTRY)
 1 = INTERIOR INSPECTION
 2 = INTERIOR REFUSAL
 3 = TOTAL REFUSAL
 4 = ESTIMATE
 5 = NO ENTRY

SOURCE (INFSC)
 1 = OWNER
 2 = RELATIVE
 3 = TENANT
 4 = OTHER

SALES INFORMATION CODES
 SALES TYPE (SALTYP)
 1 = LAND ONLY
 2 = BLDG ONLY
 3 = LAND & BLDG

SOURCE (VERIFY)
 1 = UNCONFIRMED
 2 = BUYER
 3 = SELLER
 4 = STAMPS
 5 = AGENT

VALID (VALID)
 1 = VALID SALE
 2 = INVALID SALE

REASONS FOR INVALID SALE
 - SALE INVOLVED ADD'L PARCELS
 - PARTIES UNDER COMPULSION TO ACT
 - PROP CHANGED AFTER SALE (SEE SALES HISTORY)
 - RELATED INDIVIDUALS OR CORP (SEE MEMO)
 I CERTIFY THAT THE INFORMATION RECORDED ON THIS CARD WAS COLLECTED WITH MY KNOWLEDGE. MY SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH THE DATA RECORDED.

LAND BREAKDOWN SECTION				ACRES (ACRES)	SQUARE FEET (SQFT)
LAND TYPE (LNDTYP)	DEPTH (DEPTH)	FRONT FEET (FRNTFT)	WATERFRONT (WTRFTG)		
01				17.09	

SWIS/SBL/CD/RS 261400
 ROUTE NUMBER 106.800-0001-027-001
 NEIGHBORHOOD CODE (ROUTE) 025
 ZONING & OVERLAY DISTRICT CODES (ZONING) 5000 - RIVER HARBOR
 6000 - HISTORICAL
 7000 - OPEN SPACE
 8000 - TRANSITIONAL PARKING

GENERAL ZONES (ZONING)
 1000 - RESIDENTIAL
 2000 - COMMERCIAL
 3000 - INDUSTRIAL
 4000 - PLANNED UNIT DEV

SITE INFORMATION SECTION
 NEIGHBORHOOD TYPE (NSHTYP) 1 = CENT BUS DIST 2 = MAJOR STRIP 3 = SECONDARY STRIP
 ROAD (ROAD) 0 = NONE 1 = MAJ THOROUGH 2 = SECONDARY ARTER 3 = PRIV 4 = ONE WAY
 TRAFFIC (VEHTRF) 1 = HEAVY 2 = MEDIUM 3 = LIGHT 4 = LANDLOCKED
 ACCESS (ACCESS) 1 = LIMITED 2 = ADEQUATE 3 = GOOD
 SEWER (SEWER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC
 WATER (WATER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC
 OTHER UTILITIES (UTL) 1 = NONE 2 = GAS 3 = ELECTRIC 4 = GAS AND ELECTRIC
 NEIGHBORHOOD TREND (NBHTRM) 1 = DECLINING 2 = STATIC 3 = IMPROVING
 SITE DESIRABILITY (SITDSR) 1 = INFERIOR 2 = TYPICAL 3 = SUPERIOR
 PARKING (PARKNG) 0 = NONE 1 = INADEQUATE 2 = MOD - A/OFF 3 = A-ON /OFF 4 = ADEQUAT
 PHYSICAL CHANGE (PHYCHG) 1 = BLDG CONST 2 = IMP CONST 3 = BLDG DEMO 4 = IMP DEMO
 SIDEWALK FOOTAGE (SDWKFT)

WATERFRONT TYPE (WTRFT)
 1 = POND 4 = CANAL
 2 = RIVER 5 = OCEAN/BY
 3 = LAKE
 INFLUENCE CODES (INFLCD)
 1 = TOPOGRAPHY 5 = VIEW
 2 = LOCATION 6 = WETNESS
 3 = SHAPE 7 = OTHER
 4 = RESTRICTED USE 8 = CORNER/ALLEY

SALES NOTES & MEMORANDUM
 GRAVEL LOT



CITY OF ROCHESTER, NEW YORK
BUREAU OF ASSESSMENT
COMMERCIAL/INDUSTRIAL/EXEMPT
LAND PROPERTY RECORD CARD

PARCEL IDENTIFICATION SECTION

SWIS: 261600
TAX MAP NUMBER: 025
R-SEC
OWNER: [Handwritten Name]
LOCATION NO: [Handwritten]
PROF CLASS: HC
SCHOOL DIST: 361400
LOT SIZE: [Handwritten]

PARCEL IDENTIFICATION CORRECTION AREA	SWIS	TAX MAP NO	OWNER	PROF CLASS	LOC NO	LOC	SCHOOL DIST	LOT SIZE
1	261600	025	[Handwritten]	HC	6	7	361400	[Handwritten]

AUDIT CONTROL SECTION

VISIT NO (VISITS)	LISTER INFORMATION (LSTINF)		ACTIVITY	ENTRY (ENTRY)	SOURCE (INFSCC)
	COLLECTOR	DATE (MMDDYY)			
1	[Handwritten]	[Handwritten]	4	5	7
2	[Handwritten]	[Handwritten]			
3	[Handwritten]	[Handwritten]			

QUALITY CONTROL (QCBY) [Handwritten]
QUALITY CONTROL REVIEWER [Handwritten] DATE [Handwritten]
CERTIFIED LETTER (CTLET) [Handwritten]
DATE (MMDDYY) [Handwritten]

SALES INFORMATION SECTION

DATE (SALDTE) YYYM	PRICE (SALPRC)	TYPE (SALTY)	SOURCE (VERIFY)	VALID (VALID)	CHECK	SOURCE2

LAND TYPE CODES (LNDTYP)

LAND TYPE CODE (LNDTYP)	LAND TYPE CODE (EFFCD)
01 - PRIMARY	
02 - SECONDARY	
03 - UNDEVELOPED	
04 - RESIDUAL	
05 - WOODLAND	
06 - WASTELAND	
07 - WATERFRONT	
08 - BEAR	
09 - WETLAND	
10 - LEASED LAND	

EFFECTIVE CODE (EFFCD)
1 = FRONT ONLY
2 = DEPTH ONLY
3 = FRONT AND DEPTH

AUDIT CONTROL CODES

ACTIVITY
N = NONE
M = MEASURED ONLY
L = LISTED

ENTRY (ENTRY)

1 = INTERIOR INSPECTION
2 = INTERIOR REFUSAL
3 = TOTAL REFUSAL
4 = ESTIMATE
5 = NO ENTRY

SOURCE (INFSCC)

1 = OWNER
2 = RELATIVE
3 = TENANT
4 = OTHER

SALES INFORMATION CODES

SALES TYPE (SALTY)
1 = LAND ONLY
2 = BLDG ONLY
3 = LAND & BLDG

SOURCE (VERIFY)

1 = UNCONFIRMED
2 = BUYER
3 = SELLER
4 = STAMPS
5 = AGENT

VALID (VALID)

1 = VALID SALE
2 = INVALID SALE

REASONS FOR INVALID SALE

- SALE INVOLVED ADDITIONAL PARCELS
- PARTIES UNDER COMPULSION TO ACT
- FINANCING LAND CONTRACT
- PROP CHANGED AFTER SALE (SEE SALES HISTORY)
- RELATED INDIVIDUALS OR CORP (SEE MEMO)

I CERTIFY THAT THE INFORMATION RECORDED ON THIS CARD WAS COLLECTED WITH MY KNOWLEDGE. MY SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH THE DATA RECORDED.

SIGNATURE _____ DATE _____

LAND BREAKDOWN SECTION

LAND TYPE CODE (LNDTYP)	ACRES (ACRES)	SQUARE FEET (SQFT)	WATERFRONT (WTRFTG)	WATERFRONT TYPE (WTRFT)	INFLUENCE ENCL CODE (INFLC)	INFLUENCE PERCENT (INFLPC)
01	[Handwritten]	[Handwritten]				

SWIS/SBL/CD/RS: 261600
ROUTE NUMBER (ROUTE): [Handwritten]
REIGHNR/HOOD CODE (NBHD): [Handwritten]
CARD NO: 025 OF 13

ZONING & OVERLAY DISTRICT CODES (ZONING)

GENERAL ZONES (ZONING)
1000 - RESIDENTIAL
2000 - COMMERCIAL
3000 - INDUSTRIAL
4000 - PLANNED UNIT DEV
5000 - RIVER HARBOR
6000 - HISTORICAL
7000 - OPEN SPACE
8000 - TRANSITIONAL PARKING

SITE INFORMATION SECTION

NEIGHBORHOOD TYPE (NBHTYP) 1 = CENT BUS DIST 2 = MAJOR STRIP 3 = SECONDARY STRIP
ROAD (ROAD) 0 = NONE 1 = MAJ THOROUGH 2 = SECONDARY ARTER 3 = PRIV 4 = ONEWAY
TRAFFIC (VEHTRF) 1 = HEAVY 2 = MEDIUM 3 = LIGHT 4 = LANDLOCKED
ACCESS (ACCESS) 1 = LIMITED 2 = ADEQUATE 3 = GOOD
SEWER (SEWER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC
WATER (WATER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC
OTHER UTILITIES (UTIL) 1 = NONE 2 = GAS 3 = ELECTRIC 4 = GAS AND ELECTRIC
NEIGHBORHOOD TREND (NBHTRN) 1 = DECLINING 2 = STATIC 3 = IMPROVING
SITE DESIRABILITY (SITDSR) 1 = INFERIOR 2 = TYPICAL 3 = SUPERIOR
PARKING (PARKNG) 0 = NONE 1 = INADEQUATE 2 = MOD A/OFF 3 = A/OV - /OFF 4 = ADEQUATE
PHYSICAL CHANGE (PHYCHG) 1 = BLDG CONST 2 = IMP CONST 3 = BLDG DEMO 4 = IMP DEMO
SIDEWALK FOOTAGE (SDWKFY) [Handwritten]

SALES NOTES & MEMORANDUM

WATERFRONT TYPE (WTRFT)	WATERFRONT TYPE (WTRFT)	INFLUENCE TYPE (INFLC)	INFLUENCE CODES (INFLCD)
1 = POND	1 = POND	1 = TOPOGRAPHY	1 = TOPOGRAPHY
2 = RIVER	2 = RIVER	2 = LOCATION	2 = LOCATION
3 = LAKE	3 = LAKE	3 = SHAPE	3 = SHAPE
4 = CANAL	4 = CANAL	4 = RESTRICTED USE	4 = RESTRICTED USE
5 = OCEAN/BA	5 = OCEAN/BA	5 = VIEW	5 = VIEW
		6 = WETNESS	6 = WETNESS
		7 = OTHER	7 = OTHER
		8 = CORNER/ALLEY	8 = CORNER/ALLEY



CITY OF ROCHESTER, NEW YORK
BUREAU OF ASSESSMENT
COMMERCIAL/INDUSTRIAL/EXEMPT
LAND PROPERTY RECORD CARD

SWIS 261400

TAX MAP NUMBER 106-800-0001-026

CD R-SEC
PROP CLASS HC
438

LOCATION NO. FRANKLIN ST.
LOCATION SCH-DIST 261400

SALE PRICE 178.10 x 50.00

PARCEL IDENTIFICATION CORRECTION AREA	SWIS	TAX MAP NO.	OWNER	PROP CLASS	LOC NO.	LOC.	SCHOOL DIST.	LOT SIZE
	1	2	3	4	5	6	7	8

AUDIT CONTROL SECTION		NUMBER OF SITES (NUMSITI)	
VISIT NO (VISITS)	LISTER INFORMATION (LSTINF)	DATE (MMDDYY)	ENTRY (ENTRY)
1	128049486	2:35 AM	L 5 4
2			
3			

QUALITY CONTROL REVIEWER	DATE	CERTIFIED LETTER (CTFLET)	DATE (MMDDYY)

SALES INFORMATION SECTION		OFFICE USE ONLY	
DATE (SALDTE) (YMM)	PRICE (SALPRC)	CHECK	SOURCE

LAND TYPE CODES (LNDTYP)		EFFECTIVE CODE (EFFCD)	
01 - PRIMARY	08 - WASTELAND	1 - FRONT ONLY	
02 - SECONDARY	10 - WATERFRONT	2 - DEPTH ONLY	
03 - UNDEVELOPED	12 - REAR	3 - FRONT AND DEPTH	
04 - RESIDUAL	14 - WETLAND		
07 - WOODLAND	15 - LEASED LAND		

AUDIT CONTROL CODES
ACTIVITY
N = NONE
M = MEASURED ONLY
L = LISTED

ENTRY (ENTRY)
1 = INTERIOR INSPECTION
2 = INTERIOR REFUSAL
3 = TOTAL REFUSAL
4 = ESTIMATE
5 = NO ENTRY

SOURCE (INFSCJ)
1 = OWNER
2 = RELATIVE
3 = TENANT
4 = OTHER

SALES INFORMATION CODES
SALES TYPE (SALTY)
1 = LAND ONLY
2 = BLDG ONLY
3 = LAND & BLDG

SOURCE (VERIFY)
1 = UNCONFIRMED
2 = BUYER
3 = SELLER
4 = STAMPS
5 = AGENT

VALID (VALID)
1 = VALID SALE
2 = INVALID SALE

REASONS FOR INVALID SALE
 - SALE INVOLVED ADJACENT PARCELS
 - PARTIES UNDER COMPULSION TO ACT
 - PROP CHANGED AFTER SALE (SEE SALES HISTORY)
 - RELATED INDIVIDUALS OR CORP (SEE MEMO)

I CERTIFY THAT THE INFORMATION RECORDED ON THIS CARD WAS COLLECTED WITH MY KNOWLEDGE. MY SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH THE DATA RECORDED.

SIGNATURE _____ DATE _____

SWIS/SBL/CD/RS 261400
ROUTE NUMBER (ROUTE) 106-800-0001-026
NEIGHBORHOOD CODE (NRHD) 01

ZONING & OVERLAY DISTRICT CODES (ZONING)
GENERAL ZONES (ZONING)
1000 - RESIDENTIAL
2000 - COMMERCIAL
3000 - INDUSTRIAL
4000 - PLANNED UNIT DEV

SITE INFORMATION SECTION
NEIGHBORHOOD TYPE (NBHTYP) 1 = CENT BUS DIST 2 = MAJOR STRIP 3 = SECONDARY STRIP
4 = MIXED 5 = INDUSTRIAL PARK 6 = MAJOR INDUSTRIAL

ROAD (ROAD) 0 = NONE 1 = MAJOR THROUGH 2 = SECONDARY ARTER 3 = PRIV 4 = ONE WAY
TRAFFIC (VEHTRF) 1 = HEAVY 2 = MEDIUM 3 = LIGHT 4 = LANDLOCKED

ACCESS (ACCESS) 1 = LIMITED 2 = ADEQUATE 3 = GOOD

SEWER (SEWER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC

WATER (WATER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC

OTHER UTILITIES (UTIL) 1 = NONE 2 = GAS 3 = ELECTRIC 4 = GAS AND ELECTRIC

NEIGHBORHOOD TREND (NBHTRN) 1 = DECLINING 2 = STATIC 3 = IMPROVING

SITE DESIRABILITY (SITDSR) 1 = INFERIOR 2 = TYPICAL 3 = SUPERIOR

PARKING (PARKNG) 0 = NONE 1 = INADEQUATE 2 = 1 ON A OFF 3 = A ON 1 OFF 4 = ADEQUATE

PHYSICAL CHANGE (PHYCHG) 1 = BLDG CONST 2 = IMP CONST 3 = BLDG DEMO 4 = IMP DEMO

SIDEWALK FOOTAGE (SDWFK FT)

SALES NOTES & MEMORANDUM

LAND BREAKDOWN SECTION			
LAND TYPE (LNDTYP)	ACRES (ACRES)	SQUARE FEET (SQFT)	WATERFRONT (WTRFTG)
01 - PRIMARY			
02 - SECONDARY			
03 - UNDEVELOPED			
04 - RESIDUAL			
07 - WOODLAND			

WATERFRONT TYPE (WTRFTT)	WATERFRONT ENCL TYPE (WTRFTG)	WATERFRONT TYPE (WTRFTT)	WATERFRONT ENCL TYPE (WTRFTG)
1 - POND	1 - POND	1 - POND	1 - POND
2 - RIVER	2 - RIVER	2 - RIVER	2 - RIVER
3 - LAKE	3 - LAKE	3 - LAKE	3 - LAKE

INFLUENCE CODES (INFLCD)			
INFLUENCE PERCENT (INFLPC)	INFLUENCE PERCENT (INFLPC)	INFLUENCE PERCENT (INFLPC)	INFLUENCE PERCENT (INFLPC)
1 - TOPOGRAPHY	1 - TOPOGRAPHY	1 - TOPOGRAPHY	1 - TOPOGRAPHY
2 - LOCATION	2 - LOCATION	2 - LOCATION	2 - LOCATION
3 - SHAPE	3 - SHAPE	3 - SHAPE	3 - SHAPE
4 - RESTRICTED USE	4 - RESTRICTED USE	4 - RESTRICTED USE	4 - RESTRICTED USE

BUILDING	SECTION	YEAR BUILT	BUILT AS	EXTERIOR WALL MATERIAL			EXTERIOR FACING MATERIAL			FRAME TYPE			ROOF TYPE (SLOPE)			ROOF MATERIAL												
				EXTERIOR CODES	00 - None	01 - Stone	02 - Concrete Block	03 - Brick/Stone	04 - Glass	05 - Concrete	06 - Concrete Block	07 - Brick/Stone	08 - Metal Sandwich	09 - None	10 - Brick	11 - Wood/Frame	12 - Wood/Frame	13 - Steel	14 - Concrete Panel	15 - Non-Fireproof Sl	16 - None	17 - Industrial	18 - None	19 - Built-Up	20 - Flat	21 - Gable	22 - Hip	23 - Shed

BUILDING	SECTION	YEAR BUILT	BUILT AS	LOCATION		USED AS	STORY HGT	SHAPE	WIDTH	LENGTH	SQUARE FEET	INTERIOR FINISH %	PARTITIONS	FLOOR CONSTR.	LIGHTING %	PLUMBING WATER	HEATING SYSTEM			AIR CONDITION			SPRINKLER			INTERNAL CONDITION
				FROM	TO												TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	

BUILDING	SECTION	YEAR BUILT	BUILT AS	YEAR BUILT	MATERIAL	FRAME TYPE	FROM - TO	SHAPE	FLOOR CONSTRUCTION			PLUMBING - PIPING			AIR CON TYPE			MISC CODES			APARTMENT INFORMATION				
									00 - None	01 - Concrete	02 - Wood on Wood	03 - Masonry	04 - Metal Deck	05 - Heavy Wood	06 - Lateral Strain	00 - None	01 - Adequate	02 - Minimum	03 - Good	00 - None	01 - Central	02 - Unit Heat Property	03 - Ventilation Only	00 - External	01 - Internal

BUILDING	SECTION	YEAR BUILT	BUILT AS	YEAR BUILT	MATERIAL	FRAME TYPE	FROM - TO	SHAPE	FLOOR CONSTRUCTION			PLUMBING - PIPING			AIR CON TYPE			MISC CODES			APARTMENT INFORMATION				
									00 - None	01 - Concrete	02 - Wood on Wood	03 - Masonry	04 - Metal Deck	05 - Heavy Wood	06 - Lateral Strain	00 - None	01 - Adequate	02 - Minimum	03 - Good	00 - None	01 - Central	02 - Unit Heat Property	03 - Ventilation Only	00 - External	01 - Internal

BUILDING	SECTION	YEAR BUILT	BUILT AS	YEAR BUILT	MATERIAL	FRAME TYPE	FROM - TO	SHAPE	FLOOR CONSTRUCTION			PLUMBING - PIPING			AIR CON TYPE			MISC CODES			APARTMENT INFORMATION				
									00 - None	01 - Concrete	02 - Wood on Wood	03 - Masonry	04 - Metal Deck	05 - Heavy Wood	06 - Lateral Strain	00 - None	01 - Adequate	02 - Minimum	03 - Good	00 - None	01 - Central	02 - Unit Heat Property	03 - Ventilation Only	00 - External	01 - Internal

BUILDING	SECTION	YEAR BUILT	BUILT AS	YEAR BUILT	MATERIAL	FRAME TYPE	FROM - TO	SHAPE	FLOOR CONSTRUCTION			PLUMBING - PIPING			AIR CON TYPE			MISC CODES			APARTMENT INFORMATION				
									00 - None	01 - Concrete	02 - Wood on Wood	03 - Masonry	04 - Metal Deck	05 - Heavy Wood	06 - Lateral Strain	00 - None	01 - Adequate	02 - Minimum	03 - Good	00 - None	01 - Central	02 - Unit Heat Property	03 - Ventilation Only	00 - External	01 - Internal

BUILDING	SECTION	YEAR BUILT	BUILT AS	YEAR BUILT	MATERIAL	FRAME TYPE	FROM - TO	SHAPE	FLOOR CONSTRUCTION			PLUMBING - PIPING			AIR CON TYPE			MISC CODES			APARTMENT INFORMATION				
									00 - None	01 - Concrete	02 - Wood on Wood	03 - Masonry	04 - Metal Deck	05 - Heavy Wood	06 - Lateral Strain	00 - None	01 - Adequate	02 - Minimum	03 - Good	00 - None	01 - Central	02 - Unit Heat Property	03 - Ventilation Only	00 - External	01 - Internal

BUILDING	SECTION	YEAR BUILT	BUILT AS	YEAR BUILT	MATERIAL	FRAME TYPE	FROM - TO	SHAPE	FLOOR CONSTRUCTION			PLUMBING - PIPING			AIR CON TYPE			MISC CODES			APARTMENT INFORMATION				
									00 - None	01 - Concrete	02 - Wood on Wood	03 - Masonry	04 - Metal Deck	05 - Heavy Wood	06 - Lateral Strain	00 - None	01 - Adequate	02 - Minimum	03 - Good	00 - None	01 - Central	02 - Unit Heat Property	03 - Ventilation Only	00 - External	01 - Internal

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									00 - None	01 - Concrete	02 - Wood on Wood	03 - Masonry	04 - Metal Deck	05 - Heavy Wood	06 - Lateral Strain	00 - None	01 - Adequate	02 - Minimum	03 - Good	00 - None	01 - Central	02 - Unit Heat Property	03 - Ventilation Only	00 - External	01 - Internal

- MISCELLANEOUS IMPROVEMENTS**
- BE1 - Bank Vault (money, no door)
 - BE2 - Bank Vault (Rec Stor, no door)
 - BE3 - Bank Vault Door (Circ money)
 - BE4 - Bank Vault Door (Rec money)
 - BE5 - Bank Vault Door (Rec Stor)
 - BE6 - Bank Vault Door (Rec Stor)
 - BE7 - Bank Drive-In Window
 - BE8 - Bank Drive-In Window
 - BE9 - Bank Drive-In Teller's Booth
 - CP6 - Canopy over Gate or Sit Loading Dock
 - CP9 - Canopy, Roof only
 - EU1 - Elevator, Electric Freight
 - EU2 - Elevator, Electric Passenger
 - ES3 - Escalator
 - GH3 - Greenhouse (wood sash, steel frame)
 - GH4 - Greenhouse (wood sash, wood frame)
 - GH5 - Greenhouse (aluminum)

- RESIDENTIAL CODES**
- RP1 - Apartment
 - RP2 - Hotel/Dormitory
 - RP3 - Motel
 - RP4 - Multiple Dwelling
 - RP5 - Row House
 - RP6 - Residential
 - RP7 - Restaurant
 - RP8 - Department Store
 - RP9 - Warehouse
 - RP10 - Auto Showroom
 - RP11 - Bank
 - RP12 - Medical Building
 - RP13 - Office Building
 - RP14 - Nursing Home
 - RP15 - School
 - RP16 - Hospital
 - RP17 - Library
 - RP18 - Auditorium, Theater
 - RP19 - Cinema Movie House
 - RP20 - Church/Synagogue
 - RP21 - Open Area
 - RP22 - Multi-Use Dwelling
 - RP23 - Multi-Use Office
 - RP24 - Multi-Use Sales
 - RP25 - Multi-Use Storage

- USED AS CODES**
- U01 - Apartment
 - U02 - Hotel/Dormitory
 - U03 - Motel
 - U04 - Multiple Dwelling
 - U05 - Row House
 - U06 - Residential
 - U07 - Restaurant
 - U08 - Department Store
 - U09 - Warehouse
 - U10 - Auto Showroom
 - U11 - Bank
 - U12 - Medical Building
 - U13 - Office Building
 - U14 - Nursing Home
 - U15 - School
 - U16 - Hospital
 - U17 - Library
 - U18 - Auditorium, Theater
 - U19 - Cinema Movie House
 - U20 - Church/Synagogue
 - U21 - Open Area
 - U22 - Multi-Use Dwelling
 - U23 - Multi-Use Office
 - U24 - Multi-Use Sales
 - U25 - Multi-Use Storage

ARMSUM ASSESSMENT - SUMMARY DISPLAY - CURRENT YEAR DATE: 08/27/2018 DISPLAY

106 800 0001 044 003 0000 00 1 QR P 00 CT/B-AD 0090.00 124 07 DISC 000000000
 0106 PLEASANT ST 14604 USE 330 30 SF YR N/A

- OWNER & MAILING INFORMATION - MISC. - - - - - ASSESSMENT DATA - - - - -
 CITY OF ROCHESTER RS - SS CURRENT TAXABLES

8 - 5 LAND 16,500 COUNTY 0
 ACT HSC TOTAL 16,500 CITY 0
 30 CHURCH ST RM 125B A - N PRIOR SCHOOL 0
 ROCHESTER, NY 14614 00009 NGBHD LAND 16,500 BANK CODE 0000129
 TOTAL 16,500 MORTGAGE INVESTOR 00129

- - - - - SALES INFORMATION - - - - - - - DIMENSIONS - - - COORDINATES - -

PRICE 0 DEED DATE 000000 F 81.09 D 134.49 E 409071 N 152710
 BOOK 00000 PAGE 00000 CTL# 00000000 ACRES 0.12 SP/MRG 00000000 IR LT I
 PR OWNER - - - - - SPECIAL DISTRICTS - - - - -

- - - - - EXEMPTIONS - - - RES% 00 SPC UNITS PCT TYPE VALUE

CODE AMOUNT PCT IY TY HC RP600 0.00 .0000 U 81.00
 13350 000016500 0.00 85 SC400 0.00 .0000 U 81.00
 00000 000000000 0.00 00 SP700 0.00 .0000 U 81.00
 00000 000000000 0.00 00 HSR00 0.00 .0000 U 81.00
 PF10-APPRAISER TASK LOG DG100 0.00 .0000 0.00
 PF12-RETURN TO ARMXLOC 0.00 .0000 0.00

EXEMPT PROPERTY RECORD CARD - ROCHESTER, NEW YORK

#03945-02.1

City of Rochester

98 Pleasant St.
 Part of 106 Pleasant St.
 106.800-0001-043-002 65X57E32

Ward 07 Property type code
 Census Tract code
 Block
 Person interviewed
 Owner
 Tenant
 Other

Fieldman
 Supervisor
 Reviewer
 Date interview
 Date final review

1. USE OR OCCUPANCY
 Residential
 1 fam. dwell
 2 fam. dwell
 Rowhouse
 2-4 fam flat
 Walkup apt.
 Other

4. ROOF STRUCTURE
 Flat
 Gable
 Hip
 Gambrel
 Mansard
 Mixed
 Other
 Dormers

5. ROOF COVER
 Asphalt shingle
 Asphalt shingle
 Wood shingle
 Metal
 Slate
 Tile
 Tar & gravel (composition)
 Roll
 Other

6. GUTTERS & DOWNSPOUTS
 Galvanized
 Copper
 Aluminum
 None

7. WINDOWS
 Double hung
 Casement
 Awning type
 Picture
 Frame
 Metal

8. FOUNDATION
 Poured conc.
 Concrete block
 Stone
 Posts or piers
 Other

9. HEATING & AIR COND.
 Gravity warm air
 Forced warm air
 Steam
 Hot water
 Radiant
 Floor or wall furnace
 Stove
 Hand-fired
 Nat. gas
 Oil

10. AIR-COND.
 None

11. PLUMBING
 Number bathrooms
 Number lav. (2 fix. ea.)
 Extra fixtures
 12. Hot water heater
 13. Garbage disposal
 14. Electrical dishwasher

15. BASEMENT
 Full
 Partial
 None
 Finished area sq. ft.
 Plaster
 Wood panel

16. ATTIC
 Yes
 no
 Open stairway
 Pull-in stairs

17. ROOM COUNT
 Flr. Rms. Apts. Flr. Rms. Apts. Net condition
 1 1 3 4 3
 2 Tot.

18. INTERIOR FINISH
 Plaster
 Drvwall
 Wood panel
 Acoustical ceilings
 Millwork
 Hardwood floors
 Pine floors
 Plywood floors
 Cement floors
 Tile flrs. (asphalt, etc.)
 Tile bath
 Flr. Wall
 Tile lav. Flr. Wall
 Tile kit. Flr. Wall

19. INSULATION
 20. Fireplaces: No.
 21. Built-in cabinets
 22. Attic fan
 23. Sprinkler system
 24. Stove front
 25. Elevators
 26. Fire-escape
 27. Tanks
 28. Septic tank

29. AGE & CONDITION
 Year built
 Year remodeled
 Effective age

30. LAND INFORMATION
 STREET IMPROVEMENTS
 Paved street
 Curb
 Gutter
 Sidewalks
 Sanitary sewer
 Storm sewer
 UTILITIES & SERVICES
 Water
 Gas
 Electricity
 TOPOGRAPHY
 Level
 Above street
 Below street

31. RENTAL DATA
 No. Rms. Apts. Stores
 Services by landlord
 Heat
 Hot water
 Janitor
 Furniture
 Garage
 Other

32. ASSESSMENT RECORD
 Date
 Land
 Total
 Assessor
 Roll

33. SALES INFORMATION
 Date
 Mortgages
 Rev. Stamps
 Amount

34. BUILDING PERMIT RECORDS

35. ADDITIONAL NOTES
 Div. # 3000 111
 106-800-0001-043-002

VACANT LAND

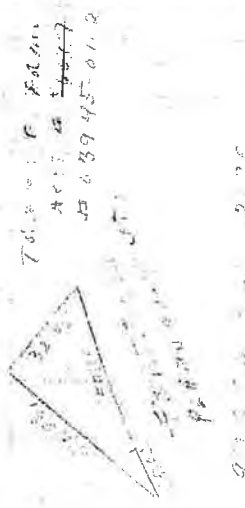
530-030-163

54

CLASSIFICATION

1.	2.	3.	4.	5.	6.
7.	8.	9.	10.	11.	12.

BUILDING LAYOUT



ODD-SHAPED LOTS

38. ACCESSORY BUILDINGS											Account Number							
Class	Story Ht.	Walls	Floor	Roof	Dimensions	Area	Net cond.				Computed	Final						
											Code	Post	Review					
39. Walls or fences																		
40. Paving																		
41. Other																		
OTHER IMPROVEMENTS																		
Type	Class	Hgt.	Wd.	Thk.	Sty	Ht	Dimensions	Hgt.	Area/Cube	Perim.	Wall	Unit Cost	Replacement Cost					
							d w	d			Ratio							
							x	x										
							x	x										
							x	x										
							x	x										
							x	x										
							x	x										
Basement (Addition or Deduction)																		
Main Structure											Total Area or Cube		Base Cost					
Description	Addition	Deduction	Description					Addition	Deduction			Total Additions						
Fireplaces ()			No.								Total Deductions							
Plumbing ()			No.															
No.			No.															
No.			No.															
Canopy	Class	Feight	Dimensions					Area	Unit Cost			Total Porches						
Other																		
TOTAL																		
Age											Interior		Exterior		E. O.		F. O. = % of Net Condition	
Misc. Improvements																		
TOTAL Improvement Value											Unit Cost		Rep. Cost		% Condition		Tot. Accessory Bldgs	
L	Odd Lot Size	Front	Depth	Base Price	Depth Factor	Other	Adj. Unit Price											
a																		
n																		
d																		
TOTAL Land Value											Total							
Summati: 1 Approach (Land + Improvements)																		
Income Approach \$											Gross Multiplier							
Comparable Sales Approach (Value)																		
Appraised Value Land \$											Improvements \$							
											Total \$							

EXEMPT PROPERTY RECORD CARD - ROCHESTER, NEW YORK

pts, 84,85

06096-07-9
03445-02.0

The City of Rochester
106 Parkside St. 003
100 Franklin St.
100 000-000-044-001
14-01-206.6

Ward 07
Concess Tract
Block
Person interviewed
Owner
Tenant
Other

Property type code
Left form
Tete.

Supervisor
E.R. S. E. C. A.
Date interviewed
Date final review

1. USE OR OCCUPANCY
Residential
1 fam. dwell
2 fam. dwell
Store/office
Store only
2-4 fam. flat
Walkup apt.
Other

2. EXTERIOR WALLS
Frame siding
Metal siding
Wood shingle
Asbestos shingle
Stucco on frame
Stucco on masonry
Brick, 8"
Brick, 12"
Brick veneer
Stone, rough
Stone, cut
Slate, cut
Concrete block
Composite/foam siding
Other

3. FOUNDATION
Poured conc.
Concrete block
Stone
Posts or piers
Other

4. ROOF STRUCTURE
Flat
Gable
Hip
Gambrel
Mansard
Mildew
Other
Dormers

5. ROOF COVERING
Asphalt shingle
Asbestos shingle
Wood shingle
Metal
Slate
Tile
Turf or gravel (unconventional)
Roll
Other

6. GUTTERS & DOWNSPOUTS
Rebar/vented
Copper
Aluminum
None

7. VENTILATION
Ductless hung
Ceiling
Attic
Picture
Parade
Miscellaneous

8. WEATHERSTRIP
Screen
Silicon seal
Compression
Other

9. PAINT
All
None

VACANT LAND

330-030-103

8. ELECTRICAL
Knob & tube
Cabled (armored Nonmet'l)
Rigid conduit

9. HEATING & AIR COND.
Gravity warm air
Forced warm air
Steam
Hot water
Radiator
Floor or wall furnace
Stove
Hand-fired
Stoker
Oil

10. AIR-COND.
None

11. PLUMBING
Number bathrooms
Number lav. (2 fix. ea.)
Extra fixtures
Hot water heater
Garbage disposal
Electrical dishwasher

12. BASEMENT
Full
Partial
None
Finished area
Plaster
Wood panel

13. ATTIC
Yes
No
Open stairway
Pulldown stairs

14. ROOM COUNT
Fur. Rms. Apts. Fir. Rms. Apts.
1 4
2

15. AGE & CONDITION
Year remodeled
Effective age

16. PICTURE
Interior
Exterior
Net condition
Less imm. obsoles.
Less econ. obsoles.
Total observed net cond.

18. INTERIOR FINISH
Plaster
Drywall
Wood panel
Acoustical ceilings
Millwork
Hardwood floors
Pine floors
Plywood floors
Cement floors
Tile bath
Tile lav.
Tile kitchen
Tile hall
Tile stairs

19. INSULATION
20. FIREPLACES
21. BUILT-IN CABINETS
22. ATTIC FAN
23. SPRINKLER SYSTEM
24. STORE FRONT
25. ELEVATORS
26. FIRE ESCAPE
27. TANKS
28. SEPTIC TANK

29. AGE & CONDITION
Year remodeled
Effective age

30. LAND INFORMATION
STREET IMPROVEMENTS
Paved street
Curb
Gutter
Sidewalks
Sanitary sewer
Storm sewer
Water
Gas
Electricity

31. RENTAL DATA
No. Rms. Apts. Stores
Rentals
Services by landlord
Heat
Hot water
Furniture
Other

32. ASSESSMENT RECORD
Date
Land
Total
Assessor
Roll

33. SALES INFORMATION
Date
Mortgages
Rev. Stamps
Amount

34. BUILDING PERMIT RECORDS

35. ADDITIONAL NOTES
DV 7-15-80
PV \$3000.00
3/13



CITY OF ROCHESTER, NEW YORK
BUREAU OF ASSESSMENT
COMMERCIAL/INDUSTRIAL/EXEMPT
LAND PROPERTY RECORD CARD

SWIS 261400
TAX MAP NUMBER 106-800-0001-003
CD 02
R-SEC 8
PROP CLASS 330
SCH-DIST 261400
OWNER THE CITY OF ROCHESTER
LOCATION NO 0100 0106
PLEASANT COVE
FRANKLIN ST
VALID SALE DATE

PARCEL IDENTIFICATION SECTION

PARCEL IDENTIFICATION CORRECTION AREA	SWIS	TAX MAP NO	OWNER	PROP CLASS	LOC NO	LOC	SCHOOL DIST	LOT SIZE
	1	2	3	4	5	6	7	8

NUMBER OF SITES (NUMSIT) 01

VISIT NO (VISITS)	LISTER INFORMATION (LSTINF)	DATE (MMDDYY)	TIME	ACTIVITY	ENTRY (ENTRY)	SOURCE (INFSC)
1	102	09/10/03	09:52 AM	4	5	4
2						
3						

QUALITY CONTROL (OCBY) _____ DATE _____
QUALITY CONTROL REVIEWER _____ DATE _____

AUDIT CONTROL CODES

ACTIVITY
N = NONE
M = MEASURED ONLY
L = LISTED

ENTRY (ENTRY)
1 = INTERIOR INSPECTION
2 = INTERIOR REFUSAL
3 = TOTAL REFUSAL
4 = ESTIMATE
5 = NO ENTRY

SOURCE (INFSC)
1 = OWNER
2 = RELATIVE
3 = TENANT
4 = OTHER

SALES INFORMATION CODES

SALES TYPE (SALTY)
1 = LAND ONLY
2 = BLDG ONLY
3 = LAND & BLDG

SOURCE (VERIFY)
1 = UNCONFIRMED
2 = BUYER
3 = SELLER
4 = STAMPS
5 = AGENT

VALID (VALID)
1 = VALID SALE
2 = INVALID SALE

SWIS/SBL/CD/RS 261400
ROUTE NUMBER 906-800-0001-003
NEIGHBORHOOD CODE (NRHD) 02
ZONING & OVERLAY DISTRICT CODES (ZONING) 5000 - RIVER HARBOR
GENERAL ZONES (ZONING) 2000 - COMMERCIAL
3000 - INDUSTRIAL
4000 - OPEN SPACE
8000 - TRANSITIONAL PARKING

NEIGHBORHOOD TYPE (NBHTYP) 1 = CENT BUS DIST 2 = MAJOR STRIP 3 = SECONDARY STRIP
4 = MIXED 5 = INDUSTRIAL PARK 6 = MAJOR INDUSTRIAL

ROAD (ROAD) 0 = NONE 1 = MAJOR THROUGH 2 = SECONDARY ARTER 3 = PRIV 4 = ONEWAY

TRAFFIC (VEHTRF) 0 = HEAVY 1 = MEDIUM 2 = LIGHT 3 = LOCKED

ACCESS (ACCESS) 1 = LIMITED 2 = ADEQUATE 3 = GOOD

SEWER (SEWER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC

WATER (WATER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC

OTHER UTILITIES (UTLI) 1 = NONE 2 = GAS 3 = ELECTRIC 4 = GAS AND ELECTRIC

NEIGHBORHOOD TEND (NBTRM) 1 = DECLINING 2 = STATIC 3 = IMPROVING

SITE DESIRABILITY (SITDSR) 1 = INFERIOR 2 = TYPICAL 3 = SUPERIOR

PARKING (PARKING) NONE 1 = INADEQUATE 2 = 1 ON A OFF 3 = 4 ON 1 OFF 4 = ADEQUATE

PHYSICAL CHANGE (PHYCHG) 1 = BLDG CONST 2 = IMP CONST 3 = BLDG DEMO 4 = IMP DEMO

SIDEWALK FOOTAGE (SOWKFT) _____

SITE INFORMATION SECTION

PROPERTY CLASS (PRCLAS) 01

REASONS FOR INVALID SALE

SALE INVOLVED ADD'L PARCELS
 PARTIES UNDER COMPULSION TO ACT
 PROP CHANGED AFTER SALE (SEE SALES HISTORY)
 RELATED INDIVIDUALS OR CORP (SEE MEMO)

LIQUIDATION/FORECLOSURE
 FINANCING/LAND CONTRACT
 INCLUDED EXCESSIVE PERSONAL PROPERTY OR OTHER (SEE MEMO)

I CERTIFY THAT THE INFORMATION RECORDED ON THIS CARD WAS COLLECTED WITH MY KNOWLEDGE. MY SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH THE DATA RECORDED.

SIGNATURE _____ DATE _____

SALES INFORMATION SECTION

DATE (SALOTE) YYYY	PRICE (SALPRC)	TYPE (SALTY)	SOURCE (VERIFY)	VALID (VALID)	OFFICE USE ONLY
					CHECK SOURCE

LAND BREAKDOWN SECTION

LAND TYPE CODES (LNDTYP)	ACRES (ACRES)	DEPTH (DEPTH)	FRONT FEET (FRNTFT)	EFF CODE (EFFCD)
01 - PRIMARY				
02 - SECONDARY				
03 - UNDEVELOPED				
04 - RESIDUAL				
07 - WOODLAND				

EFFECTIVE CODE (EFFCD)
1 - FRNTFT ONLY
2 - DEPTH ONLY
3 - FRNTFT AND DEPTH

SALES INFORMATION SECTION

NEIGHBORHOOD TYPE (NBHTYP) 1 = CENT BUS DIST 2 = MAJOR STRIP 3 = SECONDARY STRIP
4 = MIXED 5 = INDUSTRIAL PARK 6 = MAJOR INDUSTRIAL

ROAD (ROAD) 0 = NONE 1 = MAJOR THROUGH 2 = SECONDARY ARTER 3 = PRIV 4 = ONEWAY

TRAFFIC (VEHTRF) 0 = HEAVY 1 = MEDIUM 2 = LIGHT 3 = LOCKED

ACCESS (ACCESS) 1 = LIMITED 2 = ADEQUATE 3 = GOOD

SEWER (SEWER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC

WATER (WATER) 1 = NONE 2 = PRIVATE 3 = COMM/PUBLIC

OTHER UTILITIES (UTLI) 1 = NONE 2 = GAS 3 = ELECTRIC 4 = GAS AND ELECTRIC

NEIGHBORHOOD TEND (NBTRM) 1 = DECLINING 2 = STATIC 3 = IMPROVING

SITE DESIRABILITY (SITDSR) 1 = INFERIOR 2 = TYPICAL 3 = SUPERIOR

PARKING (PARKING) NONE 1 = INADEQUATE 2 = 1 ON A OFF 3 = 4 ON 1 OFF 4 = ADEQUATE

PHYSICAL CHANGE (PHYCHG) 1 = BLDG CONST 2 = IMP CONST 3 = BLDG DEMO 4 = IMP DEMO

SIDEWALK FOOTAGE (SOWKFT) _____

SITE INFORMATION SECTION

PROPERTY CLASS (PRCLAS) 01

REASONS FOR INVALID SALE

SALE INVOLVED ADD'L PARCELS
 PARTIES UNDER COMPULSION TO ACT
 PROP CHANGED AFTER SALE (SEE SALES HISTORY)
 RELATED INDIVIDUALS OR CORP (SEE MEMO)

LIQUIDATION/FORECLOSURE
 FINANCING/LAND CONTRACT
 INCLUDED EXCESSIVE PERSONAL PROPERTY OR OTHER (SEE MEMO)

I CERTIFY THAT THE INFORMATION RECORDED ON THIS CARD WAS COLLECTED WITH MY KNOWLEDGE. MY SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH THE DATA RECORDED.

SIGNATURE _____ DATE _____

LAND BREAKDOWN SECTION

LAND TYPE CODES (LNDTYP)	ACRES (ACRES)	DEPTH (DEPTH)	FRONT FEET (FRNTFT)	EFF CODE (EFFCD)
01 - PRIMARY				
02 - SECONDARY				
03 - UNDEVELOPED				
04 - RESIDUAL				
07 - WOODLAND				

EFFECTIVE CODE (EFFCD)
1 - FRNTFT ONLY
2 - DEPTH ONLY
3 - FRNTFT AND DEPTH

LAND BREAKDOWN SECTION

LAND TYPE CODES (LNDTYP)	ACRES (ACRES)	DEPTH (DEPTH)	FRONT FEET (FRNTFT)	EFF CODE (EFFCD)
01 - PRIMARY	5.115			
02 - SECONDARY	5.227			
03 - UNDEVELOPED				
04 - RESIDUAL				
07 - WOODLAND				

EFFECTIVE CODE (EFFCD)
1 - FRNTFT ONLY
2 - DEPTH ONLY
3 - FRNTFT AND DEPTH

BSSUMDS

BIS - PROPERTY SUMMARY

DATE: 08/27/2018 -1R

ENTRY ADDRESS: 0115 FRANKLIN ST SPC ZONE:
 SBL NUMBER : 106 . 800 - 0001 - 025 . 001 / 0000 OI
 ENTER OPTION NUMBER: (1) (2) (3) (4) (5) (6) (7) (8) (9) (0)
 003 Y . 01 . 01 001 . . .

DOCUMENT#:

ARLM OWNER(S) AND ADDRESS

ARLM SPECIAL MAILING

CITY OF ROCHESTER

% SARAH NOWACK

30 CHURCH ST RM 125B

0101-113 FRANKLIN ST

14605

ROCHESTER, NY

14614

GIS SBL NO: 1068012501

ASSESSMENT: 270,000

LOT SIZE: 132.82 X 206.70

ACRES: 0.59

OWNER CODE: 0030 - CITY OF ROCHESTER

MAP NO.: 128

ASM CURR USE: 438 - PARKING LOT

CENSUS TRACT: 0090.00

ASM PREV USE: -

INS AREA: W02

BLOCK: 124

ZONING: CCD-B /

SOUTHWEST

WARD: 07

DCD AUTH USE: -

NBN AREA: W13

DISC#: 000000000

PF15-ADDR LIST PF16-SBL# LIST PF17-DOC LIST PF18-DOC DETL

PF19-H/S VIOL PF20-ZPROP SUM PF23-QHI RESULTS

12:22:54 Monday, August 27, 2018

BPPMTQY BIS - BUILDING - PERMITS ISSUED
END OF DATA

DATE: 08/27/2018 >

APPLIC. ADDRESS: 0115 FRANKLIN ST PERMIT NO.: _____
SBL NO.: 106 . 800 - 0001 - 025 . 001 / 0000
PMT#/SEX APL DTE ISS DTE EST COST STATUS/DATE
0115 FRANKLIN ST
1182792 05/16/18 05/17/18 1000 WAITING CONTRACTR CONTACT 18/05/17
TO ESTABLISH A TEMPORARY CONSTRUCTION STAGING AREA BETWEEN MAY 28 2018 AND
JUNE 10 2018. THIS PROPERTY SHALL BE RESTORED AFTER THIS TERM HAS EXPIRED
0852463 00/00/00 07/09/85 PMT CMLPT PRE CONVERSION 93/10/18
PLMB

PF14-STAT LIST PF15-PMT DETL PF16-PMT EVTS PF17-PMT CONDS
PF18-PROP SUMM PF19-ADDR LIST PF20-CFO LIST PF21-PND/CANC

12:23:10 Monday, August 27, 2018

BSSUMDS

BIS - PROPERTY SUMMARY

DATE: 08/27/2018 *

ENTRY ADDRESS: 0106 PLEASANT ST SPC ZONE:
 SBL NUMBER : 106 . 800 - 0001 - 044 . 003 / 0000 QR
 ENTER OPTION NUMBER: (1) (2) (3) (4) (5) (6) (7) (8) (9) (0)

DOCUMENT#:

ARLM OWNER(S) AND ADDRESS
CITY OF ROCHESTER

ARLM SPECIAL MAILING
CITY OF ROCHESTER
30 CHURCH ST RM 125B

0106 PLEASANT ST 14604 ROCHESTER, NY 14614

GIS SBL NO: 1068014403 ASSESSMENT: 16,500
 LOT SIZE: 81.09 X 134.49 ACRES: 0.12
 OWNER CODE: 0030 - CITY OF ROCHESTER MAP NO.: 4017409559
 ASM CURR USE: 330 - VACANT COMMERCIAL LAND CENSUS TRACT: 0090.00
 ASM PREV USE: - INS AREA: C01 BLOCK: 124
 ZONING: / CENTRAL-SWNSC WARD: 07
 DCD AUTH USE: - NBN AREA: W13 DISC#: 000000000

PF15-ADDR LIST PF16-SBL# LIST PF17-DOC LIST PF18-DOC DETL
 PF19-H/S VIOL PF20-ZPROP SUM PF23-QHI RESULTS

Cover page of
report (entire report
provided by City)
(Refer to App.G for
complete report.)

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**101-113 FRANKLIN STREET,
98 PLEASANT STREET, & 106 PLEASANT STREET
ROCHESTER, NEW YORK**

Prepared for: City of Rochester
30 Church Street
Rochester, New York 14614

Prepared by: Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008

Date: November 2, 2007

Project No.: 3982E-07

APPENDIX E
INTERVIEW DOCUMENTATION

ASSESSMENT INTERVIEW
GENERAL INFORMATION

Ask the person interviewed to be as specific as reasonably feasible in answering questions, and to answer the questions in good faith and to the extent of their knowledge.

- 1) PERSON INTERVIEWED: Paul Scuderi
- 2) TITLE: Director of Real Estate, City of Rochester
- 3) YEARS IN POSITION: Two Years (Asst. Real Estate Director for 9 years)
- YEARS AT SITE: City has owned since 1980
- 4) CURRENT DATE: 9/19/2018
- 5) JOB NUMBER: 5530E-18
- 6) PURPOSE OF ASSESSMENT: Potential sale or lease of property
- 7) PROPERTY OWNER: City of Rochester
- 7A) OWNED SINCE: March 1980
- 8) PREVIOUS OWNER: Unknown – may have been acquired via
By City through foreclosure
- 8A) OWNED SINCE: Unknown
- 9) PROPERTY SIZE: 2 parcels ~ 0.7 acres total
- 10) NUMBER OF PARCELS: 2

11) DO ANY OF THE FOLLOWING EXIST FOR THE ASSESSED PROPERTY? (Building diagrams, plans, maps, photographs, spec. books, commercial appraisals, engineering/environmental reports from investigations)

He believes a previous Phase I ESA was performed, but has no specific knowledge. He is
not aware of any follow-up (i.e., Phase II ESA) work being performed

12) PRESENT LAND/PROPERTY USE: Parking lot

13) PREVIOUS LAND/BUILDING USE: Based on a review of maps, he believes the site was
improved with as residential, a YMCA, and perhaps a religious building associated with adjoining
St. Joseph's Church. No other known commercial/industrial that he was aware of

14) Do any of the following exist for the assessed property?

- a. Environmental site assessment/audit reports: NO (to knowledge)
- b. Environmental permits (i.e., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits): _____
- c. Registrations for USTs or ASTs: _____
- d. Material safety data sheets: _____
- e. Community right-to-know plan: _____
- f. Safety plan; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc.: _____
- g. Reports regarding hydrogeologic conditions on the property or surrounding area: _____
- h. Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property: _____
- i. Hazardous waste generator notices or reports: _____
- j. Geotechnical studies: _____

15) IS THE PROPERTY CURRENTLY USED, OR HAS IT PREVIOUSLY BEEN USED, AS ANY OF THE FOLLOWING: AN INDUSTRIAL OR MANUFACTURING OPERATION, A GASOLINE STATION, A MOTOR REPAIR FACILITY, A COMMERCIAL PRINTING FACILITY, A DRY CLEANERS, A PHOTO-DEVELOPING LABORATORY, A JUNKYARD OR A LANDFILL, OR AS A WASTE TREATMENT, STORAGE, DISPOSAL, PROCESSING OR RECYCLING FACILITY? (YES, NO, UNKNOWN)

Not to knowledge

16) ADJACENT SITES (CURRENT & PAST):

ARE ANY ADJOINING PROPERTIES CURRENTLY USED, OR HAVE THEY PREVIOUSLY BEEN USED AS ANY OF THE FOLLOWING: AN INDUSTRIAL OR MANUFACTURING OPERATION, A GAS STATION, A MOTOR REPAIR FACILITY, A COMMERCIAL PRINTING FACILITY, A DRY CLEANERS, A PHOTO-DEVELOPING LABORATORY, A JUNK YARD OR A LANDFILL, OR AS A WASTE TREATMENT STORAGE, DISPOSAL PROCESSING, OR RECYCLING FACILITY?

St. Joseph's Church; Star Place Laundry (SE of site – early 1900s) (not aware of operations performed)

17) DESCRIPTION OF TOPOGRAPHY & SURFACE DRAINAGE (ANY CREEKS, DITCHES):

Unknown

BUILDING(S) INFORMATION

18) BUILDING(S) AGE/SIZE/LOCATIONS: Assumes demolition of buildings

has occurred based on review of old maps; however, he has no specific knowledge

19) ANY ADDITIONS (AGE/SIZE/LOCATIONS): _____

20) NUMBER OF FLOORS: _____

21) BASEMENT, CRAWLSPACE, ATTIC: _____

22) TYPE OF HEAT: _____

22A) Has the facility ever been heated with oil in the past? _____

22B) IF OIL, ANY TANKS: _____

23) BLDG(S) TIED TO SANITARY SEWER: _____

23A) IF SO, DATE OF CONNECTION: _____

24) WAS FACILITY EVER ON SEPTIC/DRYWELL: _____

24A) IF SO, LOCATION OF LEACHFIELD: _____

24B) HOW OFTEN IS SEPTIC TANK PUMPED OUT: _____

25) ANY FLOOR DRAINS: _____

25A) IF SO, LOCATION(S): _____

25B) CONNECTED TO OIL/WATER SEPARATOR: _____

25C) DISCHARGE POINT(S): _____

26) ANY SUMPS: _____

26A) IF SO, LOCATION/DISCHARGE POINT(S): _____



BUILDING(S) INFORMATION (Cont.)

27) HAVE THERE EVER BEEN ANY FOUL ODORS OBSERVED EMANATING FROM DRAINS, SUMPS, OR OTHER LOCATIONS IN THE BUILDING OR ON THE PROPERTY?

28) IS THERE ANY WASTEWATER (OTHER THAN SANITARY) DISCHARGE ON-SITE OR ONTO ADJOINING PROPERTIES?

29) IS FACILITY SERVICED BY PUBLIC WATER: _____

30) ANY WELLS ON SITE (CURRENTLY/PAST): _____

Potable water wells, monitoring wells, etc

30A) IF SO, STILL USED/ACCESSIBLE: _____

30B) IF SO, LOCATION: _____

31) INSULATION:

W = Between walls

S = Spray On

I = Blown-in

C = Ceiling

B = Batting

R = Rigid

F = Floors

P = Poured

32) ROOFING MATERIAL (e.g. asphalt shingle, rolled rubber, rolled asphalt paper):

32A) ORIGINAL ROOFING MATERIAL: _____

BUILDING DEMOLITION

33) ANY BUILDINGS DEMOLISHED? Yes No

33A) IF SO, WHEN: Assumes yes, but no specific knowledge

BUILDING SIZE/LOCATION: _____

OPERATIONS IN BLDG: _____

MAT. STORED IN BLDG: _____



BUILDING DEMOLITION (Cont.)

BASEMENT FILLED IN: _____

FLOOR DRAINS/SUMPS: _____

IF SO, DISCHARGE LOCATION: _____

SEPTIC/LEACH FIELD: _____

DEMO. CONTRACTOR: _____

DISPOSAL LOCATION: _____

COMMENTS: _____

SITE HISTORY

34) HAS ANY TYPE OF MATERIAL EVER BEEN FILLED, BURIED OR DUMPED ON OR ADJACENT TO THE PROPERTY: (e.g. clean fill, ash, c/d debris, waste oil for dust suppression, etc.)

Not to knowledge

35) HAS THERE EVER BEEN ANY SIGNIFICANT SOIL STAINING ON THE PROPERTY?

Not to knowledge

36) HAVE ANY SOIL SAMPLING, GROUNDWATER SAMPLING, GEOTECHNICAL, ENGINEERING OR ENVIRONMENTAL INVESTIGATIONS EVER BEEN CONDUCTED ON THE PROPERTY: (If so, when and by whom; is copy of report available)_____

Not to knowledge

37A) DO YOU KNOW OF ANY PENDING, THREATENED, OR PAST LITIGATION RELEVANT TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE PROPERTY: _____ No

SITE HISTORY (Cont.)

37B) DO YOU KNOW OF ANY PENDING, THREATENED, OR PAST ADMINISTRATIVE PROCEEDINGS RELEVANT TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE PROPERTY: No

37C) DO YOU KNOW OF ANY NOTICES FROM ANY GOVERNMENTAL ENTITY REGARDING ANY POSSIBLE VIOLATION OF ENVIRONMENTAL LAWS OR POSSIBLE LIABILITY RELATING TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE ASSESSED PROPERTY:

No

37D) HAVE THERE BEEN ANY ENVIRONMENTAL LIENS ON THE SITE, OR IN THE VICINITY OF THE SITE? No

38) DOES THE FACILITY CURRENTLY HAVE, OR HAS IT HAD IN THE PAST, ANY PERMITS (E.G. STATE/FEDERAL AIR, WASTEWATER (SPDES), SURFACE WATER, CONSTRUCTION/DEMOLITION):

No

39) HAS THE FACILITY EVER BEEN THE SUBJECT OF ANY COMPLAINTS OR VIOLATIONS. IF SO, DESCRIBE: NO

40) HAS ANY TYPE OF MATERIAL (GREATER THAN 5 GALLONS IN QUANTITY) EVER BEEN SPILLED ON THE PROPERTY OR IN THE BUILDING(S):

No

41) HAVE THERE EVER BEEN ANY ACTIONS RELATING TO THE RELEASE OF A HAZARDOUS SUBSTANCE ON SITE OR ON ADJOINING SITES? No

42) HAVE THERE EVER BEEN ANY FIRES AT THE FACILITY. IF SO, DESCRIBE:

No

43) HAVE THERE EVER BEEN ANY PITS, PONDS OR LAGOONS ON THE PROPERTY? IF YES, ARE THESE PITS, PONDS, OR LAGOONS ASSOCIATED WITH WASTE TREATMENT ACTIVITIES, HAZARDOUS SUBSTANCES, OR PETROLEUM PRODUCTS?

No

AGRICULTURAL ACTIVITY

44) HAS THE PROPERTY EVER BEEN FARMED IN LAST TEN YEARS: NO

44A) IF SO, CROPS/YEARS: _____

45) HAS THE PROPERTY EVER CONTAINED ORCHARDS: _____

45A) IF SO, FRUIT/YEARS: _____

46) HAVE PESTICIDES EVER BEEN USED OR STORED ON THE PROPERTY: _____

46A) IF SO, DESCRIBE: _____

47) DOES THE PROPERTY CONTAIN A COMPOST PILE/DUMP OR POND: _____

47A) IF SO, LOCATION: _____

TANK & DRUM INFORMATION

48) ARE THERE NOW, OR HAVE THERE EVER BEEN, ANY STORAGE TANKS AT THE FACILITY (E.G. FUEL OIL, GASOLINE, WASTE OIL, CHEMICALS):

48A) IF YES, PLOT LOCATION(S) ON MAP AND PROVIDE THE FOLLOWING INFO.:

<u>TANK #</u>	<u>LOCATION</u>	<u>SIZE</u>	<u>MATERIAL STORED</u>	<u>DATE INSTALLED</u>	<u>DATE REMOVED</u>

NO KNOWLEDGE OF ANY					

NO KNOWLEDGE OF ANY

49) HAS THE TANK(S) EVER BEEN PRESSURE TESTED: _____

49A) IF SO, WHEN, BY WHOM, COPY OF RESULTS: _____

50) HAS THE TANK BEEN REGISTERED WITH THE NYSDEC, USEPA, OR LOCAL AGENCY:

TANK & DRUM INFORMATION

51) DOES THE TANK(S) HAVE ANY TYPE OF LEAK DETECTION. IF SO, DESCRIBE:

52) HAVE ANY TANKS EVER BEEN CLOSED IN-PLACE OR REMOVED FROM THE SITE:

(IF YES, REFER TO TANK REMOVAL/CLOSURE FORM)

52A) ARE ANY CLOSURE/REMOVAL REPORTS AVAILABLE FOR REVIEW?

53) HAS ANY CONTAMINATION BEEN IDENTIFIED OR REMEDIATION EVER BEEN REQUIRED REGARDING ANY TANK(S) ON THE PROPERTY:

MATERIALS STORAGE

54) ARE ANY MATERIALS/CHEMICALS STORED ON THE PROPERTY:

54A) IF SO, DESCRIBE LOCATION, TYPE OF CHEMICALS, QUANTITIES STORED AND CONTAINERS USED:

NO

54B) IF SO, HAVE ANY CONTAINERS OF MATERIALS EVER LEAKED OR SPILLED:

54C) IF SO, HAS ANY TESTING AND/OR REMEDIATION BEEN REQUIRED FOR LEAKS/SPILLS:

WASTE DISPOSAL

55) ARE SOLID WASTES (i.e. paper, rags, filters, etc.) GENERATED FROM OPERATIONS OR ACTIVITIES AT THIS SITE: _____ IF SO:

<u>TYPE OF WASTE</u>	<u>PROCESS/ACTIVITY</u>	<u>STORAGE LOCATION</u>	<u>DISPOSAL COMPANY</u>
----------------------	-------------------------	-------------------------	-------------------------

NO			

56) ARE ANY OTHER WASTES MATERIALS (e.g., waste oil, waste paint, waste solvents, medical waste etc.) GENERATED AT THIS FACILITY:

56A) IF SO, PLEASE DESCRIBE:

56B) ARE WASTE MANIFESTS OR ANY OTHER PERMITS/PAPERWORK AVAILABLE (e.g. HAULER, ID#, WASTE TYPE):

--

PCB MATERIALS INFORMATION

57) HAVE PCB MATERIALS EVER BEEN USED AT THE FACILITY (e.g. transformers, volt regulators, capacitors, switches, hydraulic equipment):

--

TRANSFORMERS

58) ARE TRANSFORMERS LOCATED ON THE PROPERTY? (INTERIOR OF BUILDING OR ON THE EXTERIOR PORTION OF THE PROPERTY).

58A) IF SO, LOCATION AND AGE:

Not to knowledge

TRANSFORMERS (cont.)

58B) IF TRANSFORMER, WET/DRY, POLE OR GROUND-MOUNTED:

58C) OWNERSHIP (PRIVATE OR UTILITY):

58D) IF PRIVATE, WHO MAINTAINS:

58E) HAS ANY OF THIS EQUIPMENT EVER BEEN TESTED FOR PCB MATERIAL (if so, when and by whom; results):

58F) HAVE THERE BEEN ANY LEAKS OR SPILLS ASSOCIATED WITH ANY OF THIS EQUIPMENT:

ASBESTOS MATERIALS INFORMATION

Is asbestos being evaluated as part of this assessment?	Yes	<u>No</u>
Does the age of the building suggest the presence of asbestos?	Yes	No
Has the building been renovated?	Yes	No Unknown

59A) ARE ASBESTOS CONTAINING MATERIALS PRESENT IN THE FACILITY (e.g. floor/ceiling tiles, pipe wrap, spray-on):

59B) HAS AN ASBESTOS INSPECTION OR ANY ASBESTOS SAMPLING EVER BEEN CONDUCTED AT THE FACILITY (if so, when and by whom):

ASBESTOS MATERIALS INFORMATION (Cont.)

59C) HAS ANY ASBESTOS EVER BEEN REMOVED FROM THE FACILITY (if so, when and by whom):

LEAD BASED PAINT INFORMATION

Is lead paint being evaluated as part of this assessment?	Yes	<u>No</u>	
Does the age of the building suggest the presence of lead paint?	Yes	No	
Has the building been renovated?	Yes	No	Unknown

60A) IS LEAD-BASED PAINT PRESENT IN THE FACILITY?

60B) HAS A LEAD-BASED PAINT INSPECTION OR SAMPLING EVER BEEN CONDUCTED AT THE FACILITY (if so, when and by whom):

60C) HAS ANY LEAD PAINT EVER BEEN REMOVED FROM THE FACILITY (if so, when and by whom):

RADON

Is radon being evaluated as part of this assessment?	Yes	<u>No</u>	
Does the building have a basement?	Yes	No	
Has radon testing ever been conducted?	Yes	No	Unknown

Who completed the sampling: _____

Results of sampling: _____

RADON (Cont.)

Is a copy of the sample results/report available? _____

LEAD-IN-DRINKING WATER

Is lead-in-drinking water being evaluated as part of this assessment? Yes No

Is the property serviced by a private well or public water? Private Well Public Water

Has any testing ever been conducted? Yes No Unknown

Who completed the sampling: _____

Results of sampling: _____

Is a copy of the sample results/report available? _____

MISCELLANEOUS INFORMATION

- The Reason for performing the Phase I ESA? Potential sale or lease of property

- Any knowledge of documented environmental liens, or activity and use limitations (as documented in title records or otherwise)? _____

NO

- Any specialized knowledge or experience with the property that may be pertinent to the environmental professional concerning the property and its environmental condition (i.e., copies of any available prior environmental site assessment reports, documents, correspondence, etc.). ? _____

NO

- Any knowledge that the value of the assessed property has been reduced below the value of comparable properties due (at least in part) to environmental conditions associated with the property? _____

NO

- Other: _____ NONE _____

APPENDIX F

**QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S) AND
ADDITIONAL DAY REPRESENTATIVE (S)**

EXPERIENCE

Day Engineering, P.C./Day Environmental, Inc.: 1989 to present

EDUCATION

SUNY Morrisville, A.A.S. Environmental Technology, 1973

REGISTRATION

4-A NYS Public Wastewater Treatment Plant Operator #6389
40 Hour OSHA Hazardous Waste Site Worker
8 Hour OSHA Hazardous Waste Site Worker Refresher Training

MEMBERSHIP

NYS Water Environment Association, since 1977
Chairman, Genesee Chapter 1987-89

RESPONSIBILITIES

Technical Specialist, Day Environmental, Inc. Mr. Roszak has performed over 300 Phase I Environmental Site Assessments (Phase I ESAs). In addition, Mr. Roszak is responsible for project coordination, operations management and development of designs for wastewater, stormwater and contaminated groundwater treatment projects.

Over 40 years of technical experience, specializing in municipal and industrial wastewater treatment.

Representative projects include:

Wastewater Pilot Study at the Metro-North Brewster Yard. Project Specialist for a pilot wastewater pumping project to study the impact of railroad yard wastewater on a local municipal wastewater treatment plant, including design, on-site construction coordination, startup and operations management.

Operations & Maintenance Manuals at the Metro-North Harmon, Brewster and Port Jervis Yards. Developed Operation and Maintenance Manuals for Brewster Yard stormwater and fueling pad oil/water separators, Harmon Yard stormwater oil/water separator and wastewater treatment facility, and Port Jervis oil/water separator, including standard operating procedures, maintenance scheduling and recordkeeping.

Oil/Water Separator Project at the Metro-North Harmon Yard. Project Specialist for a pilot stormwater treatment system at Harmon Yard to remove oil sheen from oil/water separator effluent.

Fuel Pad Oil/Water Separator Project at the Metro-North Harmon Yard. Project Specialist for the Harmon Yard fuel pad oil/water separator, including design, construction coordination, startup, and operations management.

Wastewater Treatment Plant Improvement Project at the Metro-North Harmon Yard. Project Specialist for improvements to the Harmon Yard sanitary/industrial wastewater treatment plant including

development and pilot testing of treatment alternatives, biological treatment design, construction coordination, startup, and operations management.

Oil/Water Separator Project at the Metro-North Port Jervis Yard. Project Specialist for the Port Jervis oil/water separator including startup, and operations management.

Ultrafiltration System Project at the Metro-North New Haven Yard. Project Specialist for improvements to the New Haven Yard industrial wastewater ultrafiltration system including design, construction coordination, and operations management.

Miscellaneous Projects at Metro-North Facilities. Miscellaneous involvement with SPCC plan development, Best Management Practices development, product evaluation, regulatory agency interface, SPDES permit renewals, and treatment systems troubleshooting. Mr. Roszak is extremely familiar with the Metro North Harmon Yard, Brewster Yard, North White Plains Yard and Port Jervis facilities and operations and with Metro-North maintenance personnel.

Other Projects

Groundwater Treatment System for Computer Company, Rochester, New York. Project Specialist for a five-year treatment project utilizing vacuum extraction and biological treatment of groundwater contaminated with various organic compounds.

Groundwater Treatment System at Former Circuit Board Manufacturing Facility, Rochester, New York. Project Specialist for a system utilizing activated carbon to treat contaminated groundwater.

Campground Water Treatment. Project Specialist for two YMCA campground water treatment systems including design, construction, and startup.

Phase I Environmental Assessments. Completion of over 100 Phase I Environmental Assessments for various industrial and commercial real estate transactions.

1985 - 1988

General Foods Corporation. Utilities Supervisor. Responsible for plant-wide utilities operations and management including boiler and chiller systems, water treatment and distribution, and industrial wastewater treatment.

1978 – 1985

Lozier Architects/Engineers. Technical Specialist. Responsible for treatment plants startup, operator training, and development of O&M Manuals. Also responsible for wastewater treatment troubleshooting and pilot testing.

1977

New York State Department of Environmental Conservation. Instructor of wastewater treatment plant operators.

1973 - 1976

Albany County Sewer District. Shift Supervisor at the 35 MGD North Plant, responsible for routine plant operations including secondary treatment, sludge dewatering, and incineration.

EXPERIENCE

Day Engineering, P.C.: 1987 to present
Years with Other Firms: 17 years

AREAS OF SPECIALIZATION

- Engineering Design
- Regulatory Compliance

EDUCATION

University of Notre Dame, M.S. Environmental Health Engineering, 1974
Tri-State College, B.S. Civil Engineering, 1971
University of Cincinnati, Architecture, 1963-1968

REGISTRATIONS/AFFILIATIONS

Licensed Professional Engineer in New York

RESPONSIBILITIES AND PROJECT EXPERIENCE

Mr. Hampton has over 40 years of professional experience encompassing project management, facility evaluation and design, program planning and implementation, operations evaluation, and ordinance and regulatory compliance. He is a principal of the firm and functions as the head of DAY's Process Design Group. Some of his representative projects are described below.

Metro-North Railroad Projects - Twenty-seven years of providing services to the Railroad, including project manager and task leader for the Metro-North Railroad Environmental Engineering and Consulting Services Contracts. Tasks specifically performed by Mr. Hampton include:

- Oversight of the implementation of a GIS platform for facilities management and regulatory compliance incorporating SPDES DMR monitoring and reporting for 3 storm water discharges, well monitoring and product recovery tracking and reporting for 3 remediation sites, and PBS/UST petroleum tank inspections and compliance reporting for 60 tanks located at 3 Maintenance Yards.
- Wastewater facilities design that include 2 wastewater treatment facilities, 2 tie-ins to POTW facilities, 5 oil-water separator facilities, and 2 industrial pre-treatment systems.
- Two fuel recovery systems.
- PBS/UST/SPCC compliance programs for 7 facilities with a total of 80 tanks.
- Confined space program development for 6 facilities.

Monroe County Pure Water Districts/Department of Environmental Services Projects - Forty years of providing project management and design services to the county including:

- Deputy Project Manager of a Joint Venture, which provided program and design management for a \$500 million combined sewer overflow abatement tunnel project.
- Numerous wastewater conveyance facility and pump station evaluations and designs.

- The development of 8 term sewer construction contracts, 2 bid multiplier sewer construction contracts, and a bid multiplier asbestos abatement contract.
- Over 15 years of oversight inspection services for privately-constructed sewerage facilities.
- The design and construction oversight of bio-fuel, hydrogen, and propane fleet fueling facilities.

Environmental Remediation - Engineer of Record for:

- Remedial Investigation (RI), Remedial Alternatives Analysis (RAA), Site Management Plan (SMP), Environmental Easement (EE), American Land Title Association (ALTA) Survey, and Final Engineering Report (FER) for an 8-acre former manufacturing plant placed in the Brownfield Cleanup Program (BCP).
- RI, RAA, SMP, EE, ALTA Survey, and FRE for 6-acre low-rise apartment complex place in the BCP.
- SMP, non-ALTA Survey, and FER for a former automobile dealership placed in the Environmental Restoration Program (ERP).
- RAA for a 25-acre marina placed in the (BCP).
- Remedial Work Plan (RWP) and Pilot Phase Work Plan for a former Air Force plant placed in the Voluntary Cleanup Program (VCP).

Treatment Systems - Project Manager, facility planning and design for:

- A \$35 million 12 MGD wastewater treatment plant utilizing and funded for use of innovative technologies.
- An \$11.5 million 6.5 MGD wastewater treatment plant.
- The innovative incorporation of a wetland into a wastewater treatment system to provide advanced wastewater treatment.
- A carbon adsorption system to treat volatile organics contaminated groundwater at a listed New York State Inactive Hazardous Waste Site.

Electrical Utility Company - Project Manager for the preparation of the Spill Prevention Control & Countermeasures Plans for approximately 100 facilities.

U.S. Postal Service - Project Manager for over forty separate facility construction/improvement projects.

New York State Department of Transportation - Design Engineer and Construction Inspector for various highway and architectural projects.

EXPERIENCE

Day Environmental, Inc.: May 2018 to present

EDUCATION

Niagara University – Niagara University, NY
Bachelor of Arts in Education, December 2017

- Mathematics Education 1-9
- Minors in Sociology: Cultural Diversity and Philosophy

REGISTRATION

40 Hour OSHA Hazardous Waste Site Worker

RESPONSIBILITIES

Ms. Miller's current responsibilities include assisting with the completion of Phase I Environmental Site Assessments (Phase I ESAs) in general accordance with ASTM Standard E1527 and Transaction Screens in general accordance with ASTM Standard E1528.

In addition, Ms. Miller assists with Phase II Environmental Site Assessment (Phase II ESA) investigations and remediation projects for private entities and government agencies. Specifically, Ms. Miller assists in environmental investigation field activities and associated field documentation, report preparation, data management, remedial alternative evaluation and selection, and project communication.

EXPERIENCE

Day Engineering, P.C./Day Environmental, Inc.: 1990 to present

CERTIFICATION

New York State Department of Health Certified Asbestos Inspector

SEMINARS/TRAINING

- ASTM Due Diligence Seminar Sponsored by Environmental Data Resources, Inc. (EDR)
- Environmental Assessment Association (EAA) Certified Environmental Inspector (CEI) Training
- New York State Department of Health 24-hour Asbestos Inspector Training
- 4-hour Inspector Refresher Training

RESPONSIBILITIES AND EXPERIENCE

Ms. Miller has been employed by DAY since 1990, and has worked in the Phase I Environmental Site Assessment (Phase I ESA) Group for over 15 years where she has served as the Phase I ESA Coordinator and an Assessor. As an Assessor, Ms. Miller has completed more than 100 Phase I ESAs.

As DAY's Phase I ESA Coordinator, Ms. Miller's duties include being the primary client liaison for Phase I ESA related matters, providing quotes and proposals, preparing reliance letters, providing a non-technical review of Phase I ESA reports prepared by others within the firm, updating regulatory databases, and performing regulatory reviews. Ms. Miller also performs Phase I ESAs in general accordance with ASTM Standard E1527 and Transaction Screens in general accordance with ASTM Standard E1528.

Representative projects include:

- **Environmental Site Assessment, City of Rochester, New York.** Coordinated and assisted with the completion of an environmental assessment of a 104-parcel redevelopment area for the City of Rochester. The assessment included evaluation of historical uses, regulatory information, municipal information, and current property conditions for the redevelopment area and the surrounding off-site properties.
- **Moynihan Station Redevelopment Project, New York City.** Coordinated and assisted with the completion of a Phase I ESA for the Moynihan Station Redevelopment Project. The work consisted of a Phase I ESA of a portion of Penn Station occupied by rail yards, rail lines, passenger platforms and utility tunnels. Assisted with the historical/regulatory research and preparation of the Phase I ESA report.
- **Active Gasoline Stations, Erie and Niagara Counties, New York.** Coordinated the completion of Phase I ESAs of 25 active gasoline/service stations, and completed five of the Phase I ESAs of these sites. The assessments included the evaluation of the generation and storage of hazardous waste, in-ground hydraulic lifts, and active and abandoned underground storage tanks.

- **Phase I ESA, Industrial Facility, Webster, New York:** Assisted in the completion of a Phase I ESA of approximately 600 acres of land, and an approximate 800,000-square foot manufacturing/industrial building, and an approximate 5,800-square foot permitted hazardous waste storage facility. The assessment included the evaluation of the listing of the site as a NYSDEC Inactive Hazardous Waste Site/Confirmed Local Waste Site, numerous areas of spillage/staining on the floor surfaces, trench drains/floor drains, a possible pipe cap of unknown use, known asbestos-containing materials and suspect asbestos-containing materials, an active NYSDEC spill incident on the assessed property, and fill and debris materials/potential contamination on vacant portions of the property.
- **Phase I ESA, Naples, New York:** Phase I ESA of a gasoline station and equipment rental facility. The assessment included the evaluation of an on-site septic system, the generation and storage of hazardous waste, in-ground hydraulic lifts, and abandoned underground storage tanks.
- **Phase I ESA, Cortlandville, New York:** Phase I ESA of an equipment sales and services facility. The assessment included the evaluation of a former underground storage tanks; a former floor drain, washwater, and septic systems; former spillage, staining, and pools of liquid; the disposal of waste oil filter debris and absorbent material in the dumpster; fill; and an adjoining RCRA hazardous waste generator.
- **Phase I ESA, Chili, New York.** Phase I ESA of a manufacturing/painting facility. The assessment included the evaluation of spillage from a fuel oil aboveground storage tank (AST) into a sump, and spillage in expansion joints in the concrete floor.
- **Phase I ESAs, Cell Tower Sites Throughout New York State:** Completed Phase I ESAs of dozens of cell tower sites, including vacant land, existing cell towers, and structures (i.e., buildings and water towers). The assessments included the evaluation of lead-based paint, generator listings of some of the sites, and potential environmental impacts of the assessed property from nearby properties.

APPENDIX G

**PREVIOUS ENVIRONMENTAL REPORTS /
ADDITIONAL DOCUMENTS**



38 Lesmill Road, Unit 2, Toronto, ON M3B 2T5
Phone : 416-510-5204 • Fax : 416-510-5133
info@erisinfo.com • www.erisinfo.com

THE ERIS ENVIRONMENTAL LIEN SEARCH REPORT

**101-113 FRANKLIN STREET
101-113 FRANKLIN STREET
ROCHESTER, NY**

ERIS PROJECT NO. 20180828062

08/28/2018

ENVIRONMENTAL LIEN REPORT

The ERIS Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied property information to:

- Search for parcel information and / or legal description
- Search for ownership information
- Research official land title documents recorded at jurisdictional agencies such as recorder's' office, registries of deeds, county clerks' offices, etc.
- Access a copy of the deed
- Search for environmental encumbrance(s) associate with the deed
- Provide a copy of any environmental encumbrance(s) based upon a review of keywords in the instrument(s) (title, parties involved and description)
- Provide a copy of the deed or cite documents reviewed

Thank You For Your Business
Please contact ERIS at **416-510-5204**
with any questions or comments

LIMITATION

This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. ERIS – Environmental Risk Information Services does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from various agencies that make it available. The total liability is limited to the fee paid for this report.

ENVIRONMENTAL LIEN REPORT

The ERIS Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

101-113 FRANKLIN STREET
101-113 FRANKLIN STREET
ROCHESTER, NY

RESEARCH SOURCE

MONROE COUNTY ASSESSOR'S OFFICE
MONROE COUNTY CLERK'S OFFICE
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEED INFORMATION

Type of Instrument: WARRANTY DEED

Grantor: REDEMPTIONIST FATHERS OF NEW YORK

Grantee: THE CITY OF ROCHESTER

Deed Dated: 03/12/1980

Deed Recorded: 03/28/1980

Instrument: BOOK 5779, PAGE 162

LEGAL DESCRIPTION

SEE ATTACHED DEED FOR LEGAL DESCRIPTION

Assessor's Parcel Number (s): 106.80-1-25.001

ENVIRONMENTAL LIEN REPORT

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If Found Describe:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found Not Found

If Found Describe:

Legal Description

Exempt per
E.H.S.
of Tax Law

-0-

LSER 5779 PAGE 162 82174
FORM 884 1/4 N. Y. DEED-WARRANTY with Lien Covenant (Face a Corporation)

TITLELAND REGISTERED U. S. PAT. OFFICE
TITLE LAW PRINT PUBLICATION OUTLAND NY 08701

This Indenture, Made the 12th day of
March Nineteen Hundred and Eighty
Between

REDEMPTORIST FATHERS OF NEW YORK,

a corporation organized under the laws of New York with principal offices
at 7509 Shore Road, Brooklyn, New York,

party of the first part, and
THE CITY OF ROCHESTER, a municipal corporation with principal
offices at 30 Church Street, Rochester, New York,
party of the second part,

Witnesseth that the party of the first part, in consideration of
ONE and 00/100-----Dollar (\$ 1.00-----)
lawful money of the United States, and other good and valuable consideration
paid by the party of the second part, does hereby grant and release unto the
party of the second part, its successors and assigns forever, all

All that tract or parcel of land situate in the City of
Rochester, County of Monroe and State of New York and described as
follows: Beginning at the intersection at Franklin Square and
Franklin Street at a point 241.89 feet north of said intersection;
thence (1) continuing north 2° 32' 57" west along the westerly street
line of Franklin Square a distance of 69.14 feet to a point; thence
(2) south 73° 02' 53" west along a line a distance of 302.15 feet to
a point in the easterly line of Franklin Street; thence (3) south
53° 40' 49" east along the easterly street line of Franklin Street
a distance of 184.11 feet to a point; thence (4) north 36° 18' 32"
east along a line a distance of 165 feet to a point; thence (5) south
53° 40' 49" east along a line a distance of 40 feet to a point; thence
(6) north 36° 18' 32" east along a line a distance of 23.33 feet to
the point of beginning.

16422

Hereby intending to describe a parcel of land as shown on
a map made by Robert Dunn, Supervisor of Precise Surveys, DEM, City
of Rochester and dated March 26, 1979. Said parcel contains 24,621
square feet.

Also, all that tract or parcel of land situate in the City
of Rochester, County of Monroe and State of New York and described
as follows: Beginning at the intersection of Franklin Square and
Franklin Street at a point 311.03 feet north of said intersection;
thence (1) continuing north 2° 32' 57" west along the westerly street
line of Franklin Square a distance of 132.83 feet to a point; thence
(2) south 87° 27' 03" west along a line a distance of 79.70 feet to
a point; thence (3) south 79° 38' 16" west along a line a distance of
125.61 feet to a point; thence (4) south 16° 57' 07" east along a line
a distance of 162.89 feet to a point; thence (5) north 73° 02' 53"
east along a line a distance of 168.93 feet to the point of beginning.

Hereby intending to describe a parcel of land containing
27,997 square feet as shown on a map made by Robert Dunn, Supervisor
of Precise Surveys, DEM, City of Rochester and dated March 26, 1979.

Subject to covenants, easements and restrictions of record.

Tax Billing Address: 30 Church Street
Rochester, New York 14614

15036

Tax Acct. No.	City Code No.
6069-000	14-01-218
6070-000	14-01-217
6071-000	14-01-216
6072-000	14-01-215
6097-000	14-01-205.1
6098-000	14-01-205
Part of 6096-010	14-01-206.3

RECEIVED
\$.....
REAL ESTATE
MAR 28 1980
TRANSFER TAX
MONROE
COUNTY

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

To have and to hold the premises herein granted unto the party of the second part, its successors and assigns forever.

LIBER 5779 PAGE 163

And the party of the first part covenants as follows:

First, That the party of the second part shall quietly enjoy the said premises;
Second, That the party of the first part will forever warrant the title to said premises.

Third, That, in Compliance with Sec. 13 of the Lien Law, the grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

In Presence of

In Witness Whereof, the party of the first part has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officer this 17th day of March Nineteen Hundred and Eighty

REDEMPTORIST FATHERS OF NEW YORK

By Raymond C. McCarty

State of New York
County of ...
before me personally came

On this 17th day of MARCH
Nineteen Hundred and Eighty

Raymond C. McCarty

to me personally known, who, being by me duly sworn, did depose and say that he resides in ... of REDEMPTORIST FATHERS OF NEW YORK the corporation described in, and which executed, the within instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that he signed his name thereto by like order.

Bessie Marie Page

BESSIE MARIE PAGE
Notary Public, State of New York
No. 34-660023
Qualified in Kings County
Commission Expires March 20, 1934

MAR 28 PM 3:02
US MAIL OFFICE

Box 36 - C. Hayden

REDEMPTORIST FATHERS OF NEW YORK

CORPORATION WARRANTY WITH LIEN COVENANT

REDEMPTORIST FATHERS OF NEW YORK

TO

THE CITY OF ROCHESTER

Dated, 1980

State of New York
Monroe County, ss
recorded on the 25th day
of March 1980 at
3:02 o'clock P. M. in Liber
5779 of Records
Page 162 and examined
J. Ross Jovan

RECORDED

166



38 Lesmill Road, Unit 2, Toronto, ON M3B 2T5
Phone: 416-510-6204 • Fax: 416-510-5133
info@erisinfo.com • www.erisinfo.com

THE ERIS ENVIRONMENTAL LIEN SEARCH REPORT

**106 PLEASANT STREET
106 PLEASANT STREET
ROCHESTER, NY**

ERIS PROJECT NO. 20180828064

08/28/2018

ENVIRONMENTAL LIEN REPORT

The ERIS Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied property information to:

- Search for parcel information and / or legal description
- Search for ownership information
- Research official land title documents recorded at jurisdictional agencies such as recorder's' office, registries of deeds, county clerks' offices, etc.
- Access a copy of the deed
- Search for environmental encumbrance(s) associate with the deed
- Provide a copy of any environmental encumbrance(s) based upon a review of keywords in the instrument(s) (title, parties involved and description)
- Provide a copy of the deed or cite documents reviewed

Thank You For Your Business
Please contact ERIS at **416-510-5204**
with any questions or comments

LIMITATION

This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. ERIS – Environmental Risk Information Services does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from various agencies that make it available. The total liability is limited to the fee paid for this report.



ENVIRONMENTAL LIEN REPORT

The ERIS Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

106 PLEASANT STREET
106 PLEASANT STREET
ROCHESTER, NY

RESEARCH SOURCE

MONROE COUNTY ASSESSOR'S OFFICE
MONROE COUNTY CLERK'S OFFICE
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEED INFORMATION

Type of Instrument: WARRANTY DEED

Grantor: REDEMPTIONIST FATHERS OF NEW YORK

Grantee: THE CITY OF ROCHESTER

Deed Dated: 03/12/1980

Deed Recorded: 03/28/1980

Instrument: BOOK 5779, PAGE 162

LEGAL DESCRIPTION

SEE ATTACHED DEED FOR LEGAL DESCRIPTION

Assessor's Parcel Number (s): 106.80-1-44.003

ENVIRONMENTAL LIEN REPORT

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If Found Describe:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found Not Found

If Found Describe:

Legal Description

Exempt per
E.H.C.S.
of Tax Law



This Indenture,

Made the 12th day of March Nineteen Hundred and Eighty Between

REDEMPTORIST FATHERS OF NEW YORK,

a corporation organized under the laws of New York with principal offices at 7509 Shore Road, Brooklyn, New York,

partly of the first part, and THE CITY OF ROCHESTER, a municipal corporation with principal offices at 30 Church Street, Rochester, New York, partly of the second part,

Witnesseth that the party of the first part, in consideration of

ONE and 00/100-----Dollar (\$ 1.00----) lawful money of the United States, and other good and valuable consideration paid by the part y of the second part, does hereby grant and release unto the party of the second part, its successors and assigns forever, all

All that tract or parcel of land situate in the City of Rochester, County of Monroe and State of New York and described as follows: Beginning at the intersection at Franklin Square and Franklin Street at a point 241.89 feet north of said intersection; thence (1) continuing north 2° 32' 57" west along the westerly street line of Franklin Square a distance of 69.14 feet to a point; thence (2) south 73° 02' 53" west along a line a distance of 302.15 feet to a point in the easterly line of Franklin Street; thence (3) south 53° 40' 49" east along the easterly street line of Franklin Street a distance of 184.11 feet to a point; thence (4) north 36° 18' 32" east along a line a distance of 165 feet to a point; thence (5) south 53° 40' 49" east along a line a distance of 40 feet to a point; thence (6) north 36° 18' 32" east along a line a distance of 23.33 feet to the point of beginning.

Hereby intending to describe a parcel of land as shown on a map made by Robert Dunn, Supervisor of Precise Surveys, DEM, City of Rochester and dated March 26, 1979. Said parcel contains 24,621 square feet.

Also, all that tract or parcel of land situate in the City of Rochester, County of Monroe and State of New York and described as follows: Beginning at the intersection of Franklin Square and Franklin Street at a point 311.03 feet north of said intersection; thence (1) continuing north 2° 32' 57" west along the westerly street line of Franklin Square a distance of 132.83 feet to a point; thence (2) south 87° 27' 03" west along a line a distance of 79.70 feet to a point; thence (3) south 79° 38' 16" west along a line a distance of 125.61 feet to a point; thence (4) south 16° 57' 07" east along a line a distance of 162.89 feet to a point; thence (5) north 73° 02' 53" east along a line a distance of 168.93 feet to the point of beginning.

Hereby intending to describe a parcel of land containing 27,997 square feet as shown on a map made by Robert Dunn, Supervisor of Precise Surveys, DEM, City of Rochester and dated March 26, 1979.

Subject to covenants, easements and restrictions of record.

Tax Billing Address: 30 Church Street Rochester, New York 14614

16422

15036

Tax Acct. No.	City Code No.
6069-000	14-01-218
6070-000	14-01-217
6071-000	14-01-216
6072-000	14-01-215
6097-000	14-01-205.1
6098-000	14-01-205
Part of 6096-010	14-01-206.3

RECEIVED
\$
REAL ESTATE
MAR 28 1980
TRANSFER TAX
MONROE COUNTY

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To have and to hold the premises herein granted unto the party of the second part, its successors of the first part and assigns forever.

LIBER 5779 PAGE 163

And the party of the first part covenants as follows:

First, That the party of the second part shall quietly enjoy the said premises; Second, That the party of the first part will forever warrant the title to said premises.

Third, That, in Compliance with Sec. 13 of the Lien Law, the grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

In Presence of

[Handwritten signature]

In Witness Whereof, the party of the first part has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officer this 17th day of March Nineteen Hundred and Eighty

REDEMPTORIST FATHERS OF NEW YORK

By [Handwritten signature]

State of New York } ss. County of [Handwritten] before me personally came

On this 15th day of March Nineteen Hundred and Eighty

RAYMOND C. McCARTHY

to me personally known, who, being by me duly sworn, did depose and say that he resides in [Handwritten] that he is the [Handwritten] of REDEMPTORIST FATHERS OF NEW YORK the corporation described in, and which executed, the within Instrument; that he knows the seal of said corporation; that the seal affixed to said Instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that he signed his name thereto by like order.

[Handwritten signature]

BETTINA MANGIS PEPE Notary Public, State of New York No. 44-88888 Qualified in Kings County Commission Expires March 30, 1934

MAR 28 PM 3:02 [Handwritten stamp]

By [Handwritten signature]



CORPORATION WARRANTY WITH LIEN COVENANT

REDEMPTORIST FATHERS OF NEW YORK

TO

THE CITY OF ROCHESTER

Dated. 1980

State of New York Monroe County, ss recorded on the 28th day of March 1980 at 3:02 o'clock P. M. in Liber 5779 of Books Page 163 and examined [Handwritten signature]

NOTARY PUBLIC 62280

166

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**101-113 FRANKLIN STREET,
98 PLEASANT STREET, & 106 PLEASANT STREET
ROCHESTER, NEW YORK**

Prepared for: City of Rochester
30 Church Street
Rochester, New York 14614

Prepared by: Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008

Date: November 2, 2007

Project No.: 3982E-07

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

1.0 SUMMARY

The following summary should be reviewed in conjunction with the entire report, including all attachments, figures and appendices.

CLIENT

PREPARED FOR: City of Rochester
30 Church Street
Rochester, New York 14614

CLIENT CONTACT: Ms. Jane Forbes, Division of Environmental Quality
(585) 428-7892

ASSESSED PROPERTY INFORMATION

ADDRESS: 101-113 Franklin Street, 98 Pleasant Street, and
106 Pleasant Street

MUNICIPALITY: City of Rochester

COUNTY/STATE: Monroe County, New York

TAX ACCOUNT #: 106.8-0001-025.1, 106.8-0001-043.2, and 106.8-0001-044.1

PARCEL SIZE: Approximately 0.761 acres total

IMPROVEMENTS: Asphalt parking lot

CURRENT USE: Parking lot and grass-covered vacant land

CURRENT OWNER: City of Rochester

PAST USE: Residential, church, YMCA, and parking lot

SITE CONTACT: Ms. Jane Forbes, City of Rochester
(585) 428-7892

SITE LOCATION MAP Appendix A

SITE SKETCH: Appendix B

SITE PHOTOGRAPHS: Appendix C

SUMMARY OF RECOGNIZED ENVIRONMENTAL CONDITIONS / NON-SCOPE CONSIDERATIONS

Refer to Sections 9.0 and 10.0 for a discussion of opinions/findings and conclusions.

RECOGNIZED ENVIRONMENTAL CONDITIONS:

(X) Recognized Environmental Condition(s) Identified
() Recognized Environmental Condition(s) Not Identified

NON-SCOPE CONSIDERATIONS: (X) Non-Scope Consideration Issue(s) Not Evaluated

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this Phase I Environmental Site Assessment (Phase I ESA) is to conduct all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice to identify recognized environmental conditions¹ in relation to the assessed property; and to permit the user to satisfy *one* of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. (These limitations to CERCLA liability are known as landowner liability protections or “LLPs”.) Note: Since the user of this Phase I ESA is the property owner, DAY recommends that legal counsel be sought regarding the applicability of LLPs. For the purpose of this assessment, the “user” of this Phase I ESA is defined as the City of Rochester. It is DAY’s understanding that the City of Rochester is considering the future commercial development of the assessed property.

The Phase I ESA does not address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the LLPs. (For example, the Phase I ESA does not address whether the user has fulfilled its duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations, etc.) Additionally, this Phase I ESA does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs.

Also, there are risks associated with the environmental condition of a property which are not a potential CERCLA/SARA liability, and are not subject to incurrence of response costs under CERCLA. Due to the frequency of occurrence, this Phase I ESA includes the identification of petroleum liabilities. No other assessment of non-CERCLA/SARA liabilities has been performed, unless specifically identified in the report.

2.2 SCOPE-OF-SERVICES

This Phase I ESA has been performed in general conformance with the scope and limitations of ASTM Practice E1527-05. Exceptions to, and/or deletions from, this practice are described in Section 11.0 of this report.

A Phase I ESA is the initial level of inquiry into the history, use and condition of a property and area, which establishes the reasonable presumption that recognized environmental conditions do or do not exist. The Phase I ESA consists of four basic inquiry components:

¹ The ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E 1527-05 defines *recognized environmental condition* as: “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property...”

2.0 INTRODUCTION (Cont.)

1. Records Review: A review of historical data to identify prior ownership and uses which represent a potential risk for contamination of the property; and a review of available public information and environmental records to identify site and area facilities, conditions, substances used, and activities that may have resulted in recognized environmental conditions.
2. Site Reconnaissance: A site visit to the assessed property to identify conditions which indicate the presence or potential presence of recognized environmental conditions.
3. Interviews: Interviews with present (and past, if applicable) owners, operators and occupants of the property, and with local government officials, to identify recognized environmental conditions.
4. Evaluation and Report: Preparation of the Phase I ESA report.

2.3 SIGNIFICANT ASSUMPTIONS

Significant assumptions are provided in the form of “notes” detailed in Section 9.0. These notes are used either to identify special property conditions, or to identify and explain environmental conditions which may be of interest, but are not identified as recognized environmental conditions.

2.4 LIMITATIONS AND EXCEPTIONS

Environmental site assessment conclusions are determined based on the data available for the dates identified. The conclusions are subject to any state of facts which would be identified by updated data. No assurances are made as to the accuracy or completeness of data obtained from outside information sources. Also, it is possible that not all existing sites within the search radii specified in Section 5.1 of this report have been identified, due to factors such as urban density and potential insufficiencies in the databases.

Where the site observations are limited to representative areas, or where facilities are inaccessible for observation, the environmental site assessment conclusions are subject to any statement of facts which access to those areas would have revealed.

A “data gap” is defined in ASTM E1527-05 as “a lack of or inability to obtain information required by the standards and practices listed in the regulation, despite good faith efforts by the environmental professional...to gather such information pursuant to the objectives for all appropriate inquiries.” It should be noted that while the environmental professional shall identify and evaluate data gaps (if any) identified during the conduct of a Phase I ESA, it is not possible for the environmental professional to accurately predict the significance of an absence of information.

Refer to Section 11.0 for a summary of additional deviations/limitations.

2.0 INTRODUCTION (Cont.)

2.5 SPECIAL TERMS AND CONDITIONS

Terms and Conditions between DAY Environmental, Inc. and the Client are provided in DAY's proposal dated July 17, 2007.

2.6 USER RELIANCE

This report has been prepared for exclusive use by the City of Rochester, for use on its behalf. The findings and recommendations herein may be relied upon only by the City of Rochester. Use of or reliance upon this report, its findings and recommendations, by any other persons or firm is prohibited without the prior written permission of Day Environmental, Inc.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

According to information provided by Ms. Jane Forbes of the City of Rochester, the assessed property consists of three contiguous parcels of land addressed as 101 through 113 Franklin Street; 98 Pleasant Street; and 106 Pleasant Street, City of Rochester, Monroe County, New York. The assessed property totals approximately 0.761 acres, and is developed with an asphalt paved parking lot and grass-covered vacant land. The assessed parking lot was constructed in approximately 1970. Note, DAY's proposal, dated July 17, 2007, identifies the assessed property as 101 Franklin Street; 98 Pleasant Street; and 106 Pleasant Street. However, based on information obtained from the City of Rochester Assessor's Office, the address of the assessed property is identified as 101 through 113 Franklin Street; 98 Pleasant Street; and 106 Pleasant Street (refer to Section 7.2).

In 1992, Day Hampton, Associates (an affiliate of DAY) performed an Environmental Screening Report on behalf of the Client on numerous parcels of land, including the three parcels of land that comprise the assessed property (refer to Sections 4.8 and 5.6, and Appendix H). At that time, a representative of the Client provided Day Hampton, Associates with a City of Rochester Tax Map of the area of the assessed property, dated 12/3/80. A copy of a portion of this Tax Map, which depicts the sizes and tax map numbers of the three parcels that comprise the assessed property, is included in Appendix A.

A legal description of the assessed property was not provided to DAY. Thus, this assessment is subject to any state of facts that would have been revealed if a legal description of the assessed property were provided.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The assessed property is undeveloped, except for a parking lot on the eastern portion of the property. The vicinity of the assessed property is characterized by a mix of residential and commercial uses. (Refer to Section 3.5 for a description of adjoining properties.) The area of the assessed property slopes gently to the northeast.

3.3 CURRENT USE OF THE PROPERTY

A portion of the assessed property is utilized as a parking lot, and a portion is grass-covered vacant land.

3.4 SITE IMPROVEMENTS

There are no buildings on the assessed property. A catch basin is located on the northeast portion of the parking lot.

3.0 SITE DESCRIPTION (Cont.)

3.5 CURRENT USES OF THE ADJOINING PROPERTIES

Adjoining properties are currently occupied as follows:

Northeast: Eritrean Community Building (119 Franklin Street).
North: Parking lot (339-343 Andrews Street); Lakeside Engineering (333 Andrews Street); and parking lot (317, 325, and 331 Andrews Street).
Southeast: Intersection of Franklin Street and Pleasant Street.
South: Parking lot (30 Franklin Court), with vacant commercial (formerly Main Camera and Optics Center) beyond (16 Franklin Court).
Northwest: SUNY Brockport Educational Opportunity Center (305 Andrews Street).
West: St. Josephs Park (118 Pleasant Street).
East: Parking lot (102-110 Franklin Street).

4.0 USER PROVIDED INFORMATION

The following information was provided to DAY by Ms. Jane Forbes, a representative of the "user" of this Phase I ESA report (i.e., DAY's Client, the City of Rochester).

4.1 TITLE INFORMATION

An abstract of title was not provided to assist in determining prior property ownership and uses. Evaluation of property history, and requesting environmental agency information concerning prior owners, are important elements of a Phase I ESA. The conclusions in this report are subject to any state of facts which review of an abstract of title might show, directly or indirectly.

4.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Ms. Forbes indicated that he is not aware of environmental liens, or activity and use limitations against the assessed property.

According to Ms. Forbes, the Client does not plan to engage a title company or title professional to undertake a review of reasonably ascertainable land title records and lien records for environmental liens or activity and use limitations currently recorded against or related to the assessed property.

Information concerning environmental liens and activity and use limitations is an important element of a Phase I ESA. The conclusions in this report are subject to any state of facts which review of land title, lien, or activity and use limitation records might show, directly or indirectly. The lack of this information is being identified as a significant data gap (refer to Section 9.0).

4.3 SPECIALIZED KNOWLEDGE

Ms. Forbes does not have any other knowledge or experience with the property that may be pertinent to the environmental professional concerning the property and its environmental condition (i.e., copies of any available prior environmental site assessment reports, documents, correspondence, etc.).

4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Ms. Forbes indicated that the assessed property was used as a surface parking lot in the past. He indicated that he was not aware of any other commonly known or reasonably ascertainable information regarding the assessed property that would help the environmental professional to identify conditions indicative of releases or threatened releases.

4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Ms. Forbes indicated that the assessed property is not being purchased at this time (i.e., therefore, he would not be aware if valuation reduction of the assessed property is a factor).

4.0 USER PROVIDED INFORMATION (Cont.)

4.6 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

An Interview with a representative of the Owner of the assessed property is summarized in Section 7.0.

4.7 REASON FOR PERFORMING PHASE I ESA

Ms. Forbes indicated that this Phase I ESA is being performed for the possible future commercial development of the assessed property.

4.8 PREVIOUS ENVIRONMENTAL REPORTS

Day Hampton, Associates (an affiliate of DAY) prepared a report, titled "Franklin Street and Pleasant Avenue Site Environmental Screening Report", dated 1992. The 1992 environmental screening was performed on numerous parcels, including the three parcels that comprise the assessed property. A summary of the applicable portions of this previous report is provided in Section 5.6.

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

DAY maintains the required databases in-house, and a DAY representative performs a review of these databases in accordance with the radii outlined in ASTM E1527-05.

REGULATORY DATABASE	Assessed Property	Nearby Properties (Radius Searched)	Notes
NPL Records Date: 4/18/07 Date of Last Agency Contact For Records Update: 5/2/07	Not Listed	None Listed (1 mile)	
Delisted NPL Records Date: 4/20/07 Date of last Agency Contact for Records Update: 5/2/07	Not Listed	None Listed (0.5 mile)	
CERCLIS Records Date: 4/18/07 Date of Last Agency Contact For Records Update: 5/2/07	Not Listed	None Listed (0.5 mile)	
CERCLIS NFRAP Records Date: 4/1/07 Date of Last Agency Contact For Records Update: 5/21/07	Not Listed	Listed (0.5 mile)	See Footnote 5.1.4
RCRA CORRACTS facilities list Records Date: 6/8/06 Date of Last Agency Contact for Records Update: 1/26/07	Not Listed	None Listed (1.0 mile)	
RCRA non-CORRACTS TSD facilities list Records Date: 6/8/06 Date of Last Agency Contact for Records Update: 1/26/07	Not Listed	None Listed (0.5 mile)	
Federal institutional control/engineering control (IC/EC) registries* Records Date: N/A Date of Last Agency Contact for Records Update: 11/1/06 * The USEPA does not currently maintain a readily-accessible IC/EC database.	N/A*	N/A* (Assessed property only)	
RCRA Generators Records Date: 2/1/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	Listed (property & adjoining properties)	See Footnote 5.1.8
ERNS Records Date: 4/16/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	N/A (Assessed property only)	
NYSDEC IHWDS Records Date: 4/18/07 Date of Last Agency Contact For Records Update: 5/2/07	Not Listed	None Listed (1 mile)	
NYSDEC HSWDS Records Date: 2/15/02 Date of Last Agency Contact For Records Update: 10/30/03 <i>No longer updated</i>	Not Listed	None Listed (0.5 mile)	
SWF Records Date: 5/1/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	None Listed (0.5 mile)	

5.0 RECORDS REVIEW (Cont.)

NYSDEC SPILLS/LST Records Date: 8/7/07 Date of Last Agency Contact For Records Update: 8/14/07	Listed	Listed (0.5 mile)	See Footnote 5.1.13
NYSDEC PBS Records Date: 4/6/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	None Listed (Assessed Property and Adjoining)	
NYSDEC MOSF Records Date: 4/6/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	None Listed (Assessed Property and Adjoining)	
NYSDEC CBS Records Date: 4/6/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	None Listed (Assessed Property and Adjoining)	
State institutional control/engineering control registries Records Date: 5/1/07 Date of Last Agency Contact For Records Update: 5/22/07	Not Listed	N/A Assessed Property only	
State Voluntary Cleanup Sites Records Date: 4/17/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	Listed (0.5 mile)	See Footnote 5.1.18
State Brownfield Sites Records Date: 4/17/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	Listed (0.5 mile)	See Footnote 5.1.19
State Environmental Remediation Program Sites Records Date: 4/17/07 Date of Last Agency Contact For Records Update: 5/1/07	Not Listed	None Listed (0.5 mile)	
Sites Subject to Environmental Easements Records Date: 7/13/07 Date of Last Agency Contact For Records Update: 7/27/07	Not Listed	Listed	See Footnote 5.1.21

- (5.1.4) A CERCLIS No Further Remedial Action Planned (NFRAP) site (#NYD043069996) (i.e., Rochester Gas and Electric Bee Bee Station at 254 Mill Street) is located approximately 0.5 miles northwest (i.e., assumed crossgradient direction) of the assessed property (refer to Appendix E). Based on the location of this CERCLIS NFRAP site, this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.
- (5.1.8) The adjoining property to the northwest (i.e., assumed crossgradient direction) of the assessed property (i.e., Rochester Education Opportunity Center at 305 Andrews Street) is identified as an inactive RCRA Generator of hazardous waste (refer to Appendix E). The buildings and facilities associated with the Rochester Education Opportunity Center are located approximately 50 feet from the boundary of the assessed property. Based on its location in relation to the assessed property, this inactive RCRA Generator of hazardous waste site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

5.0 RECORDS REVIEW (Cont.)

(5.1.13) A review of the NYSDEC Spills/Leaking Storage Tank (LST) database identified 167 closed/inactive spills within a 0.5-mile radius of the assessed property. In addition, 50 closed/inactive unmappable spill sites are potentially located within a 0.5-mile radius of the assessed property. [Note: An unmappable spill site is defined as a spill with incomplete or inaccurate address information provided on the NYSDEC Spill Report Form; therefore, the specific location of the spill site could not be determined.] Based on the limited address information available for the closed/inactive unmappable spill sites, they do not appear to be located on the assessed property or adjoining properties. A spill listed as closed normally indicates that studies and/or remediation at the spill site have been completed, and a spill listed as inactive indicates that although some contamination may remain on the property, the NYSDEC does not require further action at this time. Thus, further investigation regarding the potential impact on the assessed property of these 217 closed/inactive spills does not appear warranted at this time.

Twelve active mappable spills were also identified within a 0.5-mile radius of the assessed property. Seven active mappable spills are located between approximately 0.2 and 0.4 miles southeast (i.e., assumed crossgradient direction) of the assessed property; two active mappable spills are located between approximately 0.2 and 0.4 miles north (i.e., assumed downgradient direction) of the assessed property; one active mappable spill is located approximately 0.25 miles northeast (i.e., assumed crossgradient direction) of the assessed property; one active mappable spill is located approximately 0.1 mile northwest (i.e., assumed crossgradient direction) of the assessed property; and one active mappable spill is located 0.3 miles east (i.e., assumed crossgradient direction) of the assessed property. Based on a preliminary review of the topographic map, regional groundwater in the area of the assessed property appears to flow to the north. Based on the location of these 12 active mappable spills from the assessed property, these 12 active spills are not being identified as a recognized environmental condition in relation to the assessed property at this time.

(5.1.18) Three State Voluntary Clean-up Program (VCP) Sites were identified within a 0.5-mile radius of the assessed property (refer to Appendix E). Two of the VCP Sites are located in an assumed crossgradient direction and one is located in an assumed upgradient direction relative to the assessed property. The three VCP sites are discussed below:

- Site #V00073 (i.e., Rochester Gas and Electric at Front and Andrews Street) is located approximately 0.4 miles west (i.e., assumed crossgradient direction) of the assessed property.
- Site #V00593 (i.e., Rochester Gas and Electric) is located approximately 0.5 miles northwest (i.e., assumed crossgradient direction) of the assessed property (refer to Section 5.1.4).

5.0 RECORDS REVIEW (Cont.)

Based on the locations of the two crossgradient VCP sites discussed above, these two VCP sites are not being identified as a recognized environmental condition in relation to the assessed property at this time.

- Site #V00001 (i.e., Speedy's Dry Cleaner at Court Street) is located approximately 0.5 miles south (i.e., assumed upgradient direction) of the assessed property.

A NYSDEC information sheet regarding VCP Site #V00001 indicates, "the soils contaminated with chlorinated and petroleum-based dry cleaning chemicals were excavated to bedrock and disposed off-site. A large parking garage was constructed on the site and a soil venting system was installed adjacent to the garage to limit exposure to residual contamination in the basement levels of the garage. No further actions are required at this time." Based on the remediation conducted and the "No further action" status of the site, this VCP site is not being identified as a recognized environmental condition in relation to the assessed property at this time (refer to Appendix E).

Note, each of these VCP sites is also identified as a confirmed local waste site (refer to Section 5.2.4).

(5.1.19) Three Brownfield Clean-up Program (BCP) Sites were identified within a 0.5-mile radius of the assessed property, as follows (refer to Appendix E).

- Site #C828117 (i.e., Ward Street Site at the corner of Ward Street and St. Paul Street) is located approximately 0.4 miles north/northwest (i.e., assumed crossgradient direction) of the assessed property.
- Site #C828127 (i.e., Kirstein Building and Parking Lot at 242 Andrews Street and 37 Bitner) is located approximately 0.2 miles northwest (i.e., assumed crossgradient direction) of the assessed property.
- Site #C828136 (i.e., 8-28 Ward Street) is located approximately 0.4 miles north/northwest (i.e., assumed crossgradient direction) of the assessed property.

Based on the locations of these BCP sites, these BCP sites are not being identified as a recognized environmental condition in relation to the assessed property at this time.

Note, each of these BCP sites is also identified as a confirmed local waste site (refer to Section 5.2.4).

(5.1.21) A Site Subject to Environmental Easements (#C828117) (i.e., Ward Street Site at the corner of Ward Street and St. Paul Street) is located approximately 0.4 miles north/northwest (i.e., assumed crossgradient direction) of the assessed property (refer to Appendix E). Based on the location of this site, this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

5.0 RECORDS REVIEW (Cont.)

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

REGULATORY DATABASE/AGENCY	Assessed Property	Nearby Properties (Radius Searched)	Notes
Federal UST Records Date: Undated Date of Last Agency Contact For Records Update: No longer updated	Not Listed	None Listed (Assessed Property and Adjoining)	
NYSDEC FOIL Date of FOIL Request: 9/21/07	Response Received (9/20/07)	N/A (Assessed Property only)	See Footnote 5.2.2
Monroe County Health Dept. FOIL Date of FOIL Request: 8/29/07	Response Received (9/20/07)	N/A (Assessed Property only)	See Footnote 5.2.3
Local Waste Sites Records Date: 9/19/07 Date of Last Agency Contact For Records Update: 9/19/07	Not Listed	Listed (0.5 mile)	See Footnote 5.2.4
City of Rochester Building Dept/Fire Dept. FOIL Date of FOIL Request: 8/28/07	Response Received (9/18/07)	N/A (Assessed Property only)	See Footnote 5.2.5

- (5.2.2) As of the date of this report, no response to the New York State Department of Environmental Conservation (NYSDEC) Freedom of Information Law (FOIL) request has been received. If the FOIL response indicates the existence of files concerning the requested properties, client authorization will be requested to review these files at NYSDEC offices. The results of this review would be provided as a supplement to this report. A copy of the FOIL request is included in Appendix E.
- (5.2.3) A FOIL request was submitted to the Monroe County Department of Health (MCDOH) for information regarding the assessed property. The FOIL response was received on 9/20/07. Mr. Joseph Albert of the MCDOH indicated that the MCDOH has no records on file regarding the assessed property. Copies of the FOIL request and FOIL response are included in Appendix E.
- (5.2.4) The Monroe County Department of Health (MCDOH) has identified the following confirmed local waste sites and suspect local waste sites within 0.5 miles of the assessed property:
- Waste Site #RO-222 is located approximately 0.1 mile northwest (i.e., assumed crossgradient direction) of the assessed property, and is listed as containing industrial waste.
 - Waste Site #RO-216 (i.e., Site #C828127; refer to Section 5.1.19) is located approximately 0.1 mile north/northwest (i.e., assumed downgradient/crossgradient

5.0 RECORDS REVIEW (Cont.)

direction) of the assessed property, and is listed as containing chlorinated organics.

- Waste Site #RO-210 (i.e., Site #C828117; refer to Section 5.1.19) is located approximately 0.4 miles north/northwest (i.e., assumed crossgradient direction) of the assessed property, and is listed as containing petroleum, PCE and TCE.
- Waste Site #RO-211 (i.e., Site #C828136; refer to Section 5.1.19) is located approximately 0.4 miles northwest (i.e., assumed crossgradient direction) of the assessed property, and is listed as containing chlorinated solvents.
- Waste Site #RO-183 (i.e., Site #V00073; refer to Section 5.1.18) is located approximately 0.4 miles west (i.e., assumed crossgradient direction) of the assessed property, and is listed as containing industrial waste.
- Waste Site #RO-75 (i.e., Site #V00593; refer to Section 5.1.18) is located approximately 0.5 miles northwest (i.e., assumed crossgradient direction) of the assessed property, and is listed as containing industrial waste.
- Waste Site #RO-151 is located approximately 0.4 miles north (i.e., assumed downgradient direction) of the assessed property, and is listed as containing construction and demolition waste.
- Suspect Waste Site #RO-3 is located approximately 0.4 miles northwest (i.e., assumed crossgradient direction) of the assessed property

Based on the locations of the seven confirmed local waste sites and one suspect local waste site discussed above from the assessed property, these local waste sites are not being identified as a recognized environmental condition in relation to the assessed property at this time.

- Waste Site #RO-221 (i.e., site #V00001) is located approximately 0.5 miles south (i.e., assumed upgradient direction) of the assessed property, and is listed as containing petroleum and dry cleaning chemicals. Based on information provided on the NYSDEC information sheet (refer to Section 5.1.18), this confirmed local waste site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(5.2.5) A FOIL request was submitted to the City of Rochester Records Access Office (i.e., Building Department, Fire Department, Fire Safety Department, etc.) for information regarding the assessed property. The FOIL response was received on 9/18/07, and a representative of the City of Rochester indicated that the City does not have any records on file regarding the assessed property (refer to Appendix E).

5.0 RECORDS REVIEW (Cont.)

5.3 PHYSICAL SETTING SOURCE(S)

In addition to observations made at the time of the site visit, the United States Geological Survey (USGS) Rochester East quadrangle (dated 1995) was reviewed for information regarding site topography and physical setting. According to the USGS map, the assessed property is located approximately 530 feet above sea level. The assessed property gently slopes to the northeast. There are no surface water bodies on the assessed property. Storm water on the assessed property appears to drain off the assessed property via overland flow to the catch basin in the northeastern portion of the property. Based on a preliminary review of the topographic map, and the Rochester East "Generalized Groundwater Contour Map" regional groundwater in the area of the assessed property appears to flow to the north. This flow direction may be modified locally due to buried utilities, nearby pumping, seasonal conditions, or other factors.

5.4 HISTORICAL USE INFORMATION

The following information sources were reviewed for information regarding the assessed property and adjoining properties:

Historical Information Source	Source	Date(s)
Aerial Photographs	Monroe County Department of Health New York State G.I.S. Clearing House	1930, 1951, 1961, 1970, 1975, 1988, 1993, 1996 and 1999 2005
Topographic Map	U.S.G.S. Rochester East Quadrangle	1995
Sanborn Maps	Environmental Data Resource, Inc. (EDR)	1892, 1911, 1950, and 1971
Historical Maps	Rundel Memorial Library City of Rochester Plat Maps	1888, 1900, 1910, 1918, 1927, and 1935
Directories	Rundel Memorial Library Polk City Directories	1935, 1939/40, 1945, 1950, 1955, 1960, 1965, 1969, 1974/75, 1979, 1985, 1990, 1994, 2000, and 2006

5.4.1 Historical Use Information Regarding The Assessed Property

(5.4.1.1) Aerial Photographs – Assessed Property

In the 1930 and 1951 aerial photographs, the assessed property appears to be developed with approximately six residential/commercial buildings and a parking lot.

5.0 RECORDS REVIEW (Cont.)

In the 1961 through 2005 aerial photographs, the eastern portion of the assessed property appears to be developed with an asphalt parking lot; and the western portion appears to be grass-covered, undeveloped land.

Copies of the aerial photographs reviewed are included in Appendix D.

(5.4.1.2) Sanborn Maps – Assessed Property

In the 1892 Sanborn map, a portion of the assessed property appears to be addressed as 23-27 South Chatham Street, and a portion of the assessed property is located on a larger property addressed as 58 Franklin Street. The portion addressed as 23-27 Chatham Street consists of three residential parcels, each developed with a residential dwelling. The portion of the assessed property that is located on 58 Franklin Street (i.e., 58 Franklin Street is a larger property developed with St. Joseph's church, school, and orphanage) is developed with portions of the St. Joseph's Church building and conservatory.

In the 1911 Sanborn map, the assessed property is addressed as 23-27 Ormond Street and a portion of the assessed property is located on a larger property addressed as 58-80 Franklin Street. The portion addressed as 23-27 Ormond Street consists of two residential parcels developed with residential dwellings, and one parcel developed with the St. Joseph's YMCA. The portion addressed as 58-80 Franklin Street is developed with portions of the St. Joseph's Church building.

In the 1950 Sanborn map, the assessed property appears to be addressed as 51-53 and 67 Franklin Square, and a portion of the assessed property is located on a larger property addressed as 108 Franklin Street. The portion of the assessed property addressed as 51-53 and 67 Franklin Square is developed with the St. Josephs YMCA, a parking lot, and a small parking lot attendant building. The portion of the assessed property addressed as 108 Franklin Street is developed with portions of the St. Joseph's Church building.

In the 1971 Sanborn map, the assessed property appears similar to that observed in the 1950 Sanborn map, except the portion of the property addressed as 51-53 and 67 Franklin Square now consists only of a parking lot (i.e., the two former buildings are no longer exist).

Copies of the Sanborn maps reviewed are included in Appendix D.

(5.4.1.3) Historical Maps – Assessed Property

In the 1875 Plat map, the assessed property consists of seven residential parcels that are developed with residential buildings, and a portion of the assessed property is located on a larger property addressed as 78 Franklin Street. The residential parcels are addressed as 8 Franklin Street (i.e., owned by Peter

5.0 RECORDS REVIEW (Cont.)

Wheter); 74 Franklin Street (i.e., owned by Jon Groh); 5 Chatham Street (i.e., owned by John Groh; 7 Chatham Street (i.e., owned by E.J. Reynolds and F. Lockhart); 9 Chatham Street (i.e., owned by H. Murdock); 11 Chatham Street (i.e., owned by Emeline Cloyse); and a vacant parcel on Franklin Street that does not have a street address.

In the 1888 Plat map, the assessed property consists of a portion of a residential parcel addressed as 54 Franklin Street (i.e., owned by J. Schutte); three parcels addressed as 19-25 Chatham Street (i.e., occupied by the Missionary Society of Holy Redeemer); and a portion of the assessed property is located on a larger property addressed as 54 Franklin Street (i.e., occupied by St. Joseph's School and Church).

In the 1900 Plat map, the assessed property appears similar to that observed in the 1888 Plat map.

Note, in the 1875 through 1900 Plat maps, Chatham Street is known as Franklin Street, and Franklin Street is known as Pleasant Street. In addition, Franklin Street and Chatham Street are not located in the same places in the 1875 through 1900 maps as they are currently (i.e., the streets have been shifted with construction.)

In the 1910 and 1918 Plat maps, the assessed property consists of two parcels of land addressed as 15 and 17 Ormond Street, which are part of the J. Wegman Subdivision; three parcels of land addressed as 19-23 Ormond Street which are occupied by the St. Joseph's YMCA; and a portion of a larger property addressed as 58 Franklin Street (i.e., occupied by St. Joseph's Church and School).

In the 1926 Plat map, the assessed property consists of a portion of two parcels addressed as 35 and 45 Ormond Street, which are part of the J. Wegman Subdivision; three parcels addressed as 51-53 Ormond Street, which are occupied by the St. Joseph's YMCA; and a portion of a larger property addressed as 108 Franklin Street (i.e., occupied by St. Joseph's Church and School).

Note, in the 1910 through 1926 Plat maps, Ormond Street is known as Franklin Street, and Franklin Street is known as Pleasant Street. In addition, Franklin Street and Ormond Street are not located in the same places in the 1910 through 1926 maps as they are currently (i.e., the streets have been shifted with construction.)

In the 1935 Plat map, the assessed property consists of a portion of two parcels labeled 45 and 47 Franklin Square, each developed with a small building; three parcels addressed as 51-53 Franklin Square, which are developed with a commercial building labeled "St. Joseph's YMCA"; and a portion of a larger property addressed as 108 Franklin Street (i.e., occupied by St. Joseph's Church and School).

5.0 RECORDS REVIEW (Cont.)

Note, in the 1935 Plat map, Franklin Street is known as Pleasant Street, and Franklin Square is known as Franklin Street. In addition, Franklin Street and Franklin Square are not located in the same places in the 1935 maps as they are currently (i.e., the streets have been shifted with construction.)

Note, it was not possible to obtain copies of these historical maps due to photocopying restrictions placed on historical maps by the Rundel Library. Thus, copies of these historical maps are not included in the appendices of this report.

(5.4.1.4) City Directories – Assessed Property

The assessed property is currently addressed as 101 through 113 Franklin Street, 98 Pleasant Street, and 106 Pleasant Street. Additionally, the assessed property was formerly addressed as 45 and 47 Franklin Square; 51-53 and 67 Franklin Square; 59-65 Franklin Square; 100 Franklin Street; 86-90 Franklin Street; and 108 Franklin Street. The current and former addresses were used during the directory review for the assessed property. Following is a summary of the addresses/listings that were identified for the assessed property during the directory review:

- In the 1935 through 1955 directories, 51 Franklin Square is identified as the YMCA; 67 Franklin Square is identified as public parking; 108 Franklin Street is identified as St. Joseph's Church; and 90 Franklin Street is identified as Public Parking.
- In the 1960 through 1969 directories, 90 Franklin Street is identified as Public Parking; 67 Franklin Square is identified as public parking; and 108 Franklin Street is identified as St. Joseph's Church.
- The assessed property is not listed in the 1974/75 directory.
- In the 1979 directory, 113 Franklin Street is listed as "Kiplings."
- The assessed property is not listed in the 1985 through 2006 directories.

Based on the occupants identified in the directories reviewed, the occupants would not be expected to have had an environmental impact on the assessed property. Therefore, the owners/occupants listed in the directories reviewed are not being identified as a recognized environmental condition in relation to the assessed property at this time.

A summary of the directories reviewed is included in Appendix D.

5.0 RECORDS REVIEW (Cont.)

5.4.2 Historical Use Information Regarding Adjoining Properties

(5.4.2.1) Aerial Photographs – Adjoining Properties

In the 1930 through 1951 aerial photographs, the adjoining property to the west of the assessed property appears to be developed with commercial buildings (i.e., St. Joseph's Church and School). The areas to the northwest, north, northeast, and east appear to be a mix of residential and commercial buildings. The area to the south appears to be developed with a triangular shaped commercial building. The area to the southwest appears to be commercial, with a larger commercial building beyond.

In the 1961 through 1975 aerial photographs, the adjoining property to the west of the assessed property appears similar to that observed in the 1951 aerial photograph. The areas to the north, northwest, and northeast are developed with parking lots and commercial buildings. The area to the east of the assessed property is developed with parking lots and two commercial/residential buildings. The area to the southwest is developed with a parking lot and commercial buildings. The area to the south appears similar to that observed in the 1951 aerial photograph.

In the 1988 through 2005 aerial photographs, Franklin Street and Pleasant Street have been repositioned. The area to the west of the assessed property is developed with a commercial building and an apparent park (i.e., grass-covered area), with the former St. Joseph's Chapel on the southwest portion of this property. The areas to the north, northwest, and northeast are developed with parking lots. One commercial building is located in the parking lot to the north, and a commercial building and parking lot are located to the northeast. The area to the east is developed with a parking lot and a commercial/residential building. The area to the south of the assessed property is now the intersection of Franklin and Pleasant Street (i.e., there is no longer a building located in this area). The area to the southwest is developed with a parking lot and a commercial building.

Copies of the aerial photographs reviewed are included in Appendix D.

(5.4.2.2) Sanborn Maps – Adjoining Properties

In the 1892 Sanborn map, the area to the north of the assessed property consists of residential properties. The area to the west of the assessed property consists of St. Joseph's church and school. The area to the east of the assessed property consists of residential properties. The area to the south of the assessed property consists of residential and commercial properties. There is also a property developed with an industrial building labeled "Galvanized Iron Works" in the area to the south, approximately 100 feet from the assessed property.

5.0 RECORDS REVIEW (Cont.)

In the 1911 Sanborn map, the areas to the north, east, and south of the assessed property appear similar to that observed in the 1892 Sanborn map. The area to the west of the assessed property is not covered on the 1911 Sanborn map. Thus, this assessment is subject to any state of facts that coverage of the adjoining properties to the west would have revealed.

In the 1950 Sanborn map, the area to the north of the assessed property is developed with a parking lot, with a parking lot attendant building; an automobile repair and welding shop; and two residential dwellings. The areas to the east and west appear similar to that observed on the 1911 Sanborn map. The area to the south is developed with a parking lot, with a parking lot attendant building, a restaurant, and a gasoline station with three gasoline tanks depicted on the property.

In the 1971 Sanborn map, the areas to the east and west of the assessed property appear similar to that observed in the 1950 Sanborn map. The area to the northeast of the assessed property consists of an industrial building occupied by a printing shop; two parking lots; and an office building. The area to the south of the assessed property consists of a parking lot with two parking lot attendant buildings; an office building; a store; and a dry cleaning facility.

Various chemicals, solvents, and petroleum products are often used at gasoline stations, automobile repair facilities, photographic shops, printing shops and dry cleaners. Since the facility operations, products used and stored, wastes generated and operating practices are unknown for the above listed facilities the potential environmental impact they may have on the assessed property cannot be ruled out. Therefore, the above listed adjoining and surrounding properties are being identified as a recognized environmental condition.

Copies of the Sanborn maps reviewed are included in Appendix D.

(5.4.2.3) Historical Maps – Adjoining Properties

In the 1875 Plat map, the adjoining areas to the north, east, south and southwest of the assessed property are residential. The area to the northwest is developed with St. Joseph's church and school.

In the 1888 Plat map, the adjoining areas to the northeast, east, south, and southwest are residential. The area to the northwest is occupied by St. Joseph's Church and School.

In the 1900 Plat map, the adjoining areas to the northeast, northwest, south, and southwest appear similar to that observed in the 1888 Plat map, except that an adjoining property to the east across Chatham Street (i.e., addressed as 55 North Street) is now occupied by a industrial building labeled "Star Palace Laundry".

5.0 RECORDS REVIEW (Cont.)

The adjoining occupant to the east, "Star Palace Laundry", may have included a dry cleaning operation that used hazardous materials and chemicals. Therefore, this adjoining property is being identified as a recognized environmental condition.

Note, in the 1875 through 1900 Plat maps, Chatham Street is known as Franklin Street, and Franklin Street is known as Pleasant Street. In addition, Franklin Street and Chatham Street are not located in the same places in the 1875 through 1900 maps as they are currently (i.e., the streets have been shifted with construction.)

In the 1910 and 1918 Plat maps, the adjoining areas to the northeast, northwest, and east appear similar to that observed in the 1900 Plat map. The area to the southeast appears to be a mix of commercial and residential.

In the 1926 Plat map, the adjoining areas to the northeast, northwest, and east appear similar to that observed in the 1918 Plat map. The area to the southwest is occupied by Sibley, Lindsay & Curr Company Department Store, and the area to the southeast is occupied by Rochester Savings Bank.

Note, in the 1910 through 1926 Plat maps, Ormond Street is known as Franklin Street, and Franklin Street is known as Pleasant Street. In addition, Franklin Street and Ormond Street are not located in the same places in the 1910 through 1926 maps as they are currently (i.e., the streets have been shifted with construction.)

In the 1935 Plat map, the adjoining areas to the east, southeast, and northwest appear similar to that observed in the 1926 Plat map. The area to the northeast is now a mix of residential and parking lots. The area to the southwest is similar to that observed in the 1926 Plat map, except that a power plant adjoins the department store building. Additionally, the area to the southwest is occupied by the Franklin Street Garage. The area to the south located on the corner of Franklin Street and Franklin Square is occupied by "Sinclair Gas Station".

Note, in the 1935 Plat map, Franklin Street is known as Pleasant Street, and Franklin Square is known as Franklin Street. In addition, Franklin Street and Franklin Square are not located in the same places in the 1935 maps as they are currently (i.e., the streets have been shifted with construction.)

Various chemicals, solvents, and petroleum products are often used at gasoline stations, automobile repair facilities, photographic shops, printing shops and dry cleaners. Since the facility operations, products used and stored, wastes generated and operating practices are unknown for the above listed facilities, the potential environmental impact they may have on the assessed property cannot

5.0 RECORDS REVIEW (Cont.)

be ruled out. Therefore, the above listed adjoining and surrounding properties are being identified as a recognized environmental condition.

Note, it was not possible to obtain copies of these historical maps due to photocopying restrictions placed on historical maps by Rundel Library. Thus, copies of these historical maps are not included in the appendices of this report.

(5.4.2.4) City Directories – Adjoining Properties

The 1935 through 2006 directories were reviewed for the adjoining properties. Below is a summary of the adjoining properties that may have an environmental impact on the assessed property.

In the 1950 through 1969 directories, the adjoining property to the northeast (i.e., currently 119 Franklin Street) is listed as 71 Franklin Square and is identified as Sneider Brothers Printing (i.e., this adjoining property is depicted on the 1971 Sanborn map as 71 Franklin Square and labeled “prt’g”). Franklin Square is no longer listed in the 1974/75 through 2006 directories. The current address for this property (119 Franklin Street) is listed in the 1979 directory as C&F Family Restaurant. In the 1985 directory, 119 Franklin Street is listed as Sneider Brothers Printing. In the 1990 and 1994 directories, 119 Franklin Street is listed as Greathead General Printing. The property is not listed in the 2000 and 2006 directories.

In the 1935 through 1950 directories, the adjoining properties to the southwest (i.e., currently addressed as 30 Franklin Court) were addressed as 85 through 91 Franklin Street, and are listed as refrigerator and oil burner suppliers, a photographic engraver, and as an automobile repair facility. (Note, these adjoining properties are depicted on the 1950 Sanborn map as 85, 87, and 91 Franklin Street.)

In the 1935 through 1960 directories, an adjoining property to the south of the assessed property (i.e., this area currently consists of the intersection of Franklin Street and Pleasant Street) is addressed as 58 Franklin Street and is listed as a gasoline station. (Note, this property is depicted in the 1950 and 1971 Sanborn maps as 54 through 66 Franklin Street.) In the 1965 and 1969 directories, 58 Franklin Street is listed as a dry cleaning facility. In the 1974/75 and 1979 directories, 66 Franklin Street is listed as Main Camera Center, Inc. photography equipment. The adjoining area to the south is not listed in the 1985 through 2006 directories.

Various chemicals, solvents, and petroleum products are often used at gasoline stations, automobile repair facilities, photographic shops, printing shops and dry cleaners. Since the facility operations, products used and stored, wastes generated and operating practices are unknown for the above listed facilities the potential environmental impact they may have on the assessed property cannot

5.0 RECORDS REVIEW (Cont.)

be ruled out. Therefore, the above listed adjoining and surrounding properties are being identified as a recognized environmental condition.

A summary of the directories reviewed is included in Appendix D.

5.5 ENVIRONMENTAL LIEN, OR ACTIVITY AND USE LIMITATIONS

DAY attempted to evaluate the potential existence of environmental liens and activity and use limitations at the assessed property by (1) requesting that the abstract of title be provided by the Client; (2) requesting environmental lien/activity and use limitation information from the Client; (3) reviewing New York State Department of Environmental Conservation (NYSDEC) databases regarding institutional controls/environmental controls, and remediation sites with environmental easements; and (4) contacting the United States Environmental Protection Agency (USEPA). The NYSDEC institutional controls/environmental controls database and the remediation sites subject to environmental easements database did not identify environmental lien/activity and use limitations for the assessed property. The USEPA does not currently maintain a readily accessible database in this regard; the Client did not provide an abstract of title to DAY; and no information regarding environmental liens/activity and use limitations was obtained by DAY from the Client. In addition, the Client did not authorize DAY to engage a title company to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens and activity and use limitations recorded against or related to the assessed property. The existence of environmental liens and activity and use limitations may affect the applicability of Landowner Liability Protections (refer to Section 2.1) and may affect the ability of the Environmental Professional to identify recognized environmental conditions. Therefore, it is DAY's opinion that the absence of this information is a significant data gap.

5.6 PREVIOUS ENVIRONMENTAL REPORTS

Day Hampton Associates (i.e., an affiliate of DAY) prepared a report titled, "Franklin Street and Pleasant Avenue Site Environmental Screening Report", dated December 1992 on behalf of the City of Rochester. The environmental screening included numerous properties, including the three parcels that comprise the assessed property (i.e., identified at that time as 98 Pleasant Street, 106 Pleasant Street, 101 Franklin Street, 107 Franklin Street, and 115 Franklin Street (i.e., the current 113 Franklin Street parcel)). The report findings indicated that, "Based on the information reviewed to date, environmental concerns were not identified" for the parcels that comprised the current assessed property. The report also indicated that additional review should be completed as part of "the final Environmental Screening Report", including review of city directories, property assessment cards, Freedom of Information Law responses, etc.

The 1992 Environmental Screening Report identified environmental concerns on several properties that adjoin the current assessed property, as summarized below:

5.0 RECORDS REVIEW (Cont.)

- 331 Andrews Street (appears to have adjoined the assessed property to the north in the past [property lines may have changed over the years]): Two fill ports and vent pipes were identified (i.e., underground storage tanks were suspected to exist). The report states, "The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with these tank systems occurred".
- 339 Andrews Street (appears to have adjoined the assessed property to the north in the past [property lines may have changed over the years]): An auto repair and welding shop were historically located on this property. The report states, "Potential concerns associated with vehicle repair/service include suspect floor drains, sumps, hydraulic lifts, and waste disposal of petroleum and hazardous materials".
- 343 Andrews Street (adjoins the assessed property to the north): Underground tanks were identified on this property in historical/regulatory records. The report states, "The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with the former UST systems occurred."
- 120 Franklin Street (adjoins the assessed property to the east): A fill port and vent pipe (i.e., possible underground storage tank).
- 110 Franklin Street (adjoins the assessed property to the east): Three underground storage tanks are shown on historical maps. In addition, Building Department records indicate that a grease pit was installed in 1934. The report states, "Potential concerns with grease pits include sumps, hydraulic lifts, and waste disposal of petroleum and hazardous materials."
- 22 Franklin Court (adjoins the assessed property to the south): This property was formerly a Greyhound Bus depot, and possible underground storage tanks were suspected.

In addition to the adjoining properties listed above, the environmental screening report also identified several properties with potential environmental concerns that are located in the general vicinity of the current assessed property.

The historical use of the 339 Andrews Street property as an auto repair shop, and the apparent historical presence of underground storage tanks and a grease pit at the remaining adjoining properties listed above, is being identified as a recognized environmental condition.

A copy of this previous environmental report is included in Appendix H.

6.0 SITE RECONNAISSANCE

Date of Site Visit: 9/12/07
Assessor(s): K. Crandall and D. Gnage

6.1 METHODOLOGY AND LIMITING CONDITIONS

During the site visit, the DAY representatives used a tax map previously supplied by the Client (refer to Sections 3.1 and 5.3) to delineate the property boundaries. The DAY representatives walked the asphalt-paved parking lot and the grass-covered vacant land that comprise the assessed property.

6.2 GENERAL SITE SETTING

At the time of the site visit, the eastern portion of the assessed property was developed with an asphalt-paved parking lot. The parking lot surface was in poor condition with broken-up asphalt, cracks, potholes, and asphalt patches observed throughout the parking lot. The western portion of the assessed property consisted of grass-covered vacant land.

6.3 EXTERIOR OBSERVATIONS

Portions of a former building foundation were visible in the grass-covered area on the southwest portion of the assessed property (i.e., the 106 Pleasant Street parcel). An approximate 30-foot long section of concrete protruded from the grass. In addition, an approximate two to three-foot high by two to three-foot wide brick structure was observed in a row of bushes in the grass-covered area in the vicinity of the visible foundation.

Additionally, a depression in the ground surface on the western portion of the grass-covered area appeared to be another former building footprint.

The apparent demolition of former building(s) is not being identified as a recognized environmental condition in relation to the assessed property at this time. (According to historical records reviewed, former buildings on the assessed property were residences, portions of a church, and the YMCA). However, if the assessed property is ever redeveloped in the future and demolition debris is encountered, the demolition debris will need to be handled and disposed in accordance with applicable regulations at that time.

6.3.1 Hazardous Substances	No Observations of Concern
6.3.2 Storage Tanks	No Observations of Concern
6.3.3 Odors	No Observations of Concern
6.3.4 Pools of Liquid	No Observations of Concern
6.3.5 Drums and Containers	No Observations of Concern

6.0 SITE RECONNAISSANCE (Cont.)

6.3.6 Electrical or hydraulic equipment Known or likely to contain PCBS	No Observations of Concern
6.3.7 Pits, Ponds or Lagoons	No Observations of Concern
6.3.8 Stained Soil or Pavement	No Observations of Concern
6.3.9 Stressed Vegetation	No Observations of Concern
6.3.10 Solid Waste	No Observations of Concern
6.3.11 Waste Water	No Observations of Concern
6.3.12 Wells	No Observations of Concern
6.3.13 Septic System	No Observations of Concern
6.3.14 Fill Materials	No Observations of Concern
6.3.15 Debris/Dumping	No Observations of Concern
6.3.16 Equipment	No Observations of Concern
6.3.17 Drains	No Observations of Concern

A catch basin was observed in the asphalt parking lot on the northeast portion of the assessed property. No stains or odors were observed in or around this catch basin at the time of the site visit. Therefore, this catch basin is not being identified as a recognized environmental condition in relation to the assessed property at this time.

6.3.18 Material Storage	No Observations of Concern
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6.4 INTERIOR OBSERVATIONS

No interior observations were made, since there are no structures located on the assessed property.

6.5 ADJOINING PROPERTIES

Adjoining properties were observed from the assessed property and from public rights-of-way.

Northeast: Eritrean Community Building (119 Franklin Street).
North: Parking lot (339-343 Andrews Street); Lakeside Engineering (333 Andrews Street); and parking lot (317, 325, and 331 Andrews Street).

6.0 SITE RECONNAISSANCE (Cont.)

- Southeast:** Intersection of Franklin Street and Pleasant Street.
South: Parking lot (30 Franklin Court), with vacant commercial (formerly Main Camera and Optics Center) beyond (16 Franklin Court).
Northwest: SUNY Brockport Educational Opportunity Center (305 Andrews Street).
West St. Joseph's Park (118 Pleasant Street).
East: Parking lot (102-110 Franklin Street).

No obvious recognized environmental conditions were identified on the visible portions of the adjoining properties.

7.0 INTERVIEWS

7.1 OWNER INTERVIEW

Ms. Jane Forbes, Environmental Specialist
City of Rochester
Date of Interview: 9/21/07

Ms. Forbes indicated that she has worked for the City of Rochester for nine years, but has not spent time at the assessed property. She also indicated that she has no knowledge of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the assessed property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the assessed property; or any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in, on, or from the assessed property.

The following is a summary of information provided by Ms. Forbes:

- She is not aware of any previous reports or environmental investigations conducted on the assessed property.
- She believes the assessed property was formerly a portion of church property.
- Public water and sewer are available at the site.

Documentation of the interview conducted with Ms. Forbes is included in Appendix F.

7.2 INTERVIEWS WITH LOCAL GOVERNMENTAL OFFICIALS

Ms. Marie Burgos
City of Rochester Assessor's Office
(585) 428-7221
Date of Contact: 9/5/07

The Assessor's records reviewed confirmed the owner, addresses, sizes, and tax map numbers of the parcels that comprise the assessed property, and indicated that the assessed property is serviced by the municipal sanitary sewer system, and that the municipal water supply system, and natural gas and electric utilities are available at the property. The Assessor's records did not provide information regarding the environmental status of the assessed property. No additional information regarding the assessed property was available for review.

Documentation of the interview conducted with the City of Rochester Assessor's Department is included in Appendix F.

8.0 ADDITIONAL ISSUES/SERVICES / ASTM NON-SCOPE CONSIDERATIONS

At the Client's request, DAY did not complete a review of any Non-Scope Considerations for the assessed property as part of this Phase I ESA.

8.1	Asbestos-Containing Materials	Not Assessed.
8.2	Radon	Not assessed.
8.3	Lead-Based Paint	Not assessed.
8.4	Lead-in-Drinking Water	Not assessed.
8.5	Wetlands	Not assessed.
8.6	Regulatory Compliance	Not assessed.
8.7	Cultural and Historic Resources	Not assessed.
8.8	Industrial Hygiene	Not assessed.
8.9	Health and Safety	Not assessed.
8.10	Ecological Resources	Not assessed.
8.11	Endangered Species	Not assessed.
8.12	Indoor Air Quality	Not assessed.
8.13	Biological Agents	Not assessed.
8.14	Mold	Not assessed.

9.0 FINDINGS / OPINIONS

9.0 The following summarizes the significant findings based on the information gathered as part of this Phase I ESA:

9.1 Recognized Environmental Conditions

The ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-05, defines a recognized environmental condition as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property...” The following summarizes the recognized environmental condition identified at the assessed property:

9.1.1 Historic Uses of Surrounding Areas

Information obtained as part of this assessment indicates that the adjoining property to the northeast was occupied by a printing shop; the adjoining property to the east was occupied by a dry cleaning facility; the adjoining properties to the south were occupied by a gasoline station, a dry cleaning facility, a photographic facility, and a metal foundry; the adjoining properties to the southwest were occupied by an automobile repair facility, a photographic facility, and an oil/refrigerant supply company; and the adjoining property to the north was occupied by an automobile repair facility (refer to Sections 5.4.2.2, 5.4.2.3, 5.4.2.4, and 5.6). The details of operations performed by these occupants are largely unknown. Based on the type of prior adjoining occupants, the materials used on these sites in the past may have included petroleum products, metals, acids, solvents, and photo developing chemicals. The manner in which these materials may have been used, stored and disposed is also unknown. Spillage/leakage or on-site disposal may have resulted in contamination of the soil, and/or groundwater. Additionally, a previous Environmental Screening Report identified suspect underground tanks at adjoining properties to the north, east, and south (refer to Section 5.6). Due to the apparent past uses and storage of hazardous substances/petroleum products on these adjoining properties, it is possible that releases of these materials may have resulted in contamination of soil/groundwater at the assessed property (i.e., contaminant transport via groundwater migration).

It is DAY’s opinion that further investigation would be necessary to evaluate whether the operations of former occupants of the adjoining properties have environmentally impacted the assessed property. This investigation may include, but not be limited to, subsurface sampling, analyses of environmental media, etc.

9.0 FINDINGS AND OPINIONS (Cont.)

9.2 Significant Data Gaps

In addition to the recognized environmental conditions identified above, the following significant data gap was encountered which could affect the environmental professional's ability to identify recognized environmental conditions:

9.2.1 Lack of Information Regarding Environmental Liens/Activity and Use Limitations

DAY attempted to evaluate the potential existence of environmental liens and activity and use limitations at the assessed property by (1) requesting that the abstract of title be provided by the Client; (2) requesting environmental lien/activity and use limitation information from the Client; (3) reviewing New York State Department of Environmental Conservation (NYSDEC) databases regarding institutional controls/environmental controls, and remediation sites with environmental easements; and (4) contacting the United States Environmental Protection Agency (USEPA). The NYSDCE institutional controls/environmental controls database and the remediation sites subject to environmental easements database did not identify environmental lien/activity and use limitations for the assessed property. The USEPA does not currently maintain a readily accessible database in this regard; the Client did not provide an abstract of title to DAY; and no information regarding environmental liens/activity and use limitations was obtained by DAY from the Client. In addition, the Client did not authorize DAY to engage a title company to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens and activity and use limitations recorded against or related to the assessed property. The existence of environmental liens and activity and use limitations may affect the applicability of Landowner Liability Protections (refer to Section 2.1) and may affect the ability of the Environmental Professional to identify recognized environmental conditions. Therefore, it is DAY's opinion that the absence of this information is a significant data gap.

9.3 Notes

The following notes identify special property conditions, or identify and explain environmental conditions which may be of environmental interest, but are not identified as recognized environmental conditions.

9.3.1 Regulatory Listings of Nearby Properties

A review of the NYSDCE Voluntary Cleanup Program (VCP) database identified VCP Site #V00001 (i.e., Speedy's Dry Cleaner at Court Street) located approximately 0.5 miles south (i.e., assumed upgradient direction) of the assessed property (refer to Section 5.1.18). A NYSDCE information sheet regarding Site #V00001 indicates, "the soils contaminated with chlorinated and

9.0 FINDINGS AND OPINIONS (Cont.)

petroleum-based dry cleaning chemicals were excavated to bedrock and disposed off-site. A large parking garage was constructed on the site and a soil venting system was installed adjacent to the garage to limit exposure to residual contamination in the basement levels of the garage. No further actions are required at this time." Based on the remediation conducted and the "No further action" status of the site, this VCP site is not being identified as a recognized environmental condition in relation to the assessed property at this time (refer to Appendix E). Note, this site is also identified as a confirmed local waste site (refer to Section 5.2.4).

9.3.2 Former Buildings/Demolition Debris

A review of historical information (refer to Sections 5.4.1.1, 5.4.1.2, and 5.4.1.3) indicates that buildings were formerly located on the assessed property. It is not known whether or not these former buildings had basements, or if demolition materials were disposed on-site (i.e., by filling in the basements). Additionally, at the time of the site visit, the DAY representatives observed portions of a concrete foundation and a remaining brick structure on the southwest portion of the assessed property (refer to Section 6.0). The apparent demolition of these former buildings is not being identified as a recognized environmental condition in relation to the assessed property at this time. However, if the assessed property is ever redeveloped in the future and demolition debris is encountered, the demolition debris will need to be handled and disposed in accordance with applicable regulations at that time.

9.3.3 The Monroe County Department of Health (MCDOH) has identified seven confirmed local waste sites within approximately 2,000 feet of the assessed property (refer to Section 5.2.4). Guidelines issued by the MCDOH for the development of properties within 2,000 feet of a waste disposal site (i.e., a confirmed or suspect local waste site, etc.) state that a developer may be required to conduct an evaluation to determine what, if any, impact the waste disposal site will have on the proposed development. The developer's evaluation report is reviewed by the MCDOH prior to granting development approvals. As a result, if the assessed property is ever redeveloped in the future, the MCDOH should be contacted to determine what type of evaluation or investigation, if any, may be required as part of the development approval process for the assessed property.

10.0 CONCLUSIONS

Day Environmental, Inc. (DAY) performed this Phase I Environmental Site Assessment (Phase I ESA) of 101-113 Franklin Street, 98 Pleasant Street, and 106 Pleasant Street, City of Rochester, Monroe County, New York (i.e., the assessed property) in general conformance with the scope and limitations of ASTM Practice E1527-05. Any exceptions to, or deletions from, this practice are described in Sections 2.4 and 11.0 of this report. Any additional services provided as part of this Phase I ESA are described in Section 8.0 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the assessed property, except for the following.

- The historical use of the surrounding areas of the assessed property.

In addition, the following significant data gap was identified:

- Lack of Information on Environmental Liens/Activity and Use Limitations;

Refer to Section 9.0 for a discussion of the recognized environmental condition, significant data gap, and notes.

11.0 DEVIATIONS / LIMITATIONS

It is DAY's opinion that the deviations and limitations described below consist of information that was not readily ascertainable or practically reviewable during the course of this Phase I ESA.

- (11.1) A legal description of the assessed property was not provided to DAY. Thus, this assessment is subject to any state of facts that would have been revealed if a legal description of the assessed property were provided.
- (11.2) An abstract of title was not provided to assist in determining prior property ownership and uses. Evaluation of property history, and requesting environmental agency information concerning prior owners, are important elements of a Phase I ESA. The conclusions in this report are subject to any state of facts which review of an abstract of title might show, directly or indirectly.
- (11.3) As of the date of this report, no response to the New York State Department of Environmental Conservation (NYSDEC) Freedom of Information Law (FOIL) request has been received. Thus, this assessment is subject to any state of facts that receipt of the NYSDEC FOIL response would have revealed.
- (11.4) The area to the west of the assessed property is not covered on the 1911 Sanborn map. Thus, this assessment is subject to any state of facts that coverage of the adjoining properties to the west would have revealed.
- (11.5) The readily available historical sources, as summarized in Section 5.4, did not provide information on the use of the assessed property prior to 1875. Therefore, the first developed use of the assessed property could not be determined. Thus, this report is subject to any state of facts that may be revealed through future review of information that was not reasonably ascertainable or practically reviewable during the course of this Phase I ESA.

12.0 REFERENCES

1. Aerial Photographs
Monroe County Department of Health
Photograph Dates: 1930, 1951, 1961, 1970, 1975, 1988, 1993, 1996, and 1999

New York State G.I.S. Clearing House
Photograph Date: 2005
2. Topographic Map
United States Geological Survey
Rochester East, New York Quadrangle (map date 1995)

Rochester East Generalized Groundwater Contour Map
Map Date: 1980
3. Historical Maps
Rundel Memorial Library
Plat/Atlas Book
Map Dates: 1875, 1888, 1900, 1910, 1918, 1926, and 1935

Environmental Data Resources, Inc. (EDR)
Sanborn Maps
Map Dates: 1892, 1911, 1950, and 1971
Inquiry Number:
4. Directory Review
Rundel Memorial Library
Polk City Directories
Directory Dates: 1935, 1939/40, 1945, 1950, 1955, 1960, 1965, 1969, 1974/75, 1979, 1985, 1990, 1994, 2000, and 2006

13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CRF 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

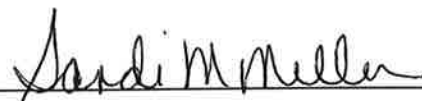


Day Environmental, Inc.
Claire G. Quadri, Sr. Professional
Phase I ESA Group

The following representatives of DAY also contributed to the completion of this Phase I ESA report:



Day Environmental, Inc.
Kelly A. Crandall, Assessor

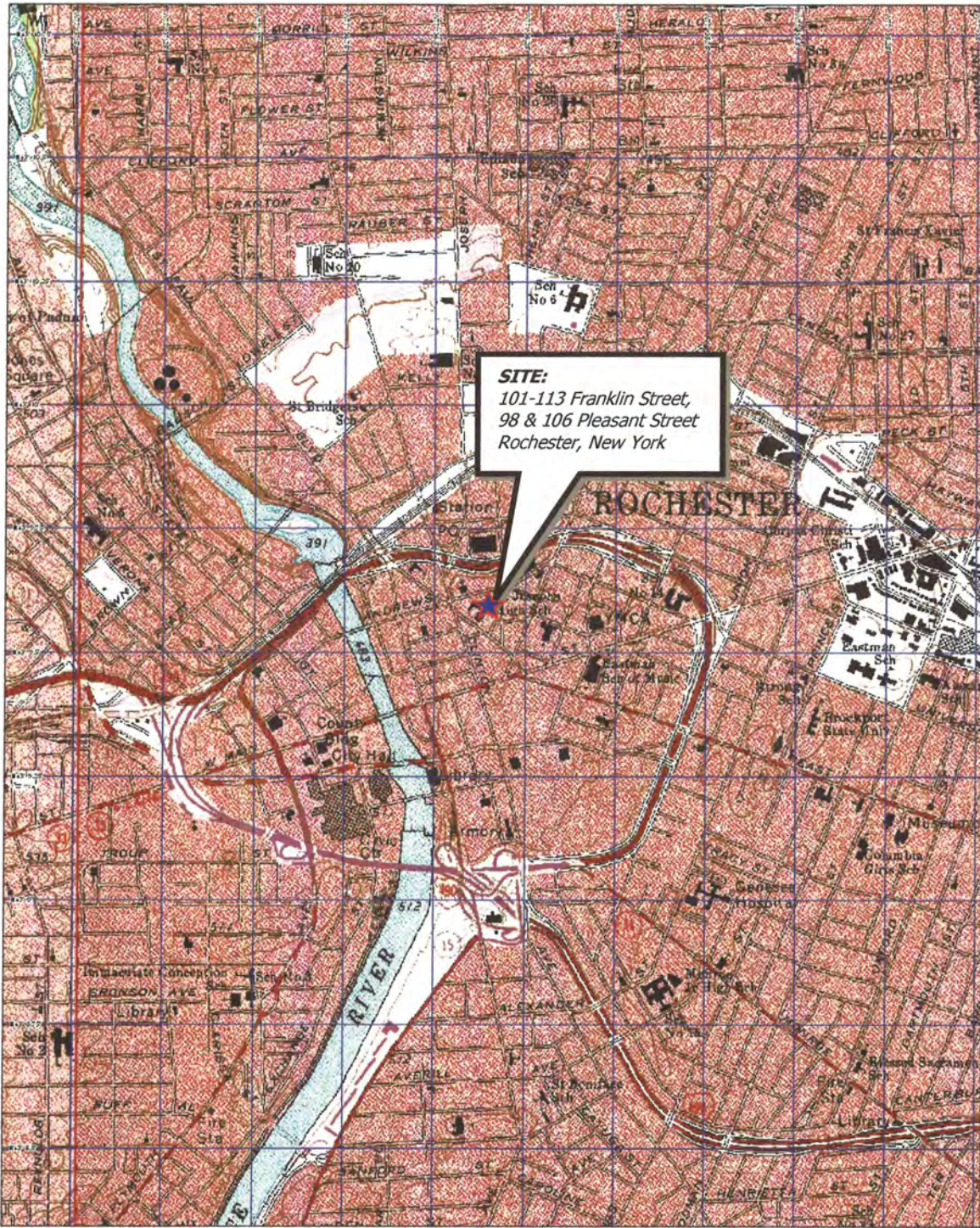


Day Environmental, Inc.
Sandi M. Miller, Phase I Coordinator

The qualifications of the Environmental Professional and other personnel who conducted portions of this Phase I ESA are presented in Appendix G.

APPENDIX A


SITE LOCATION MAP AND TAX MAP

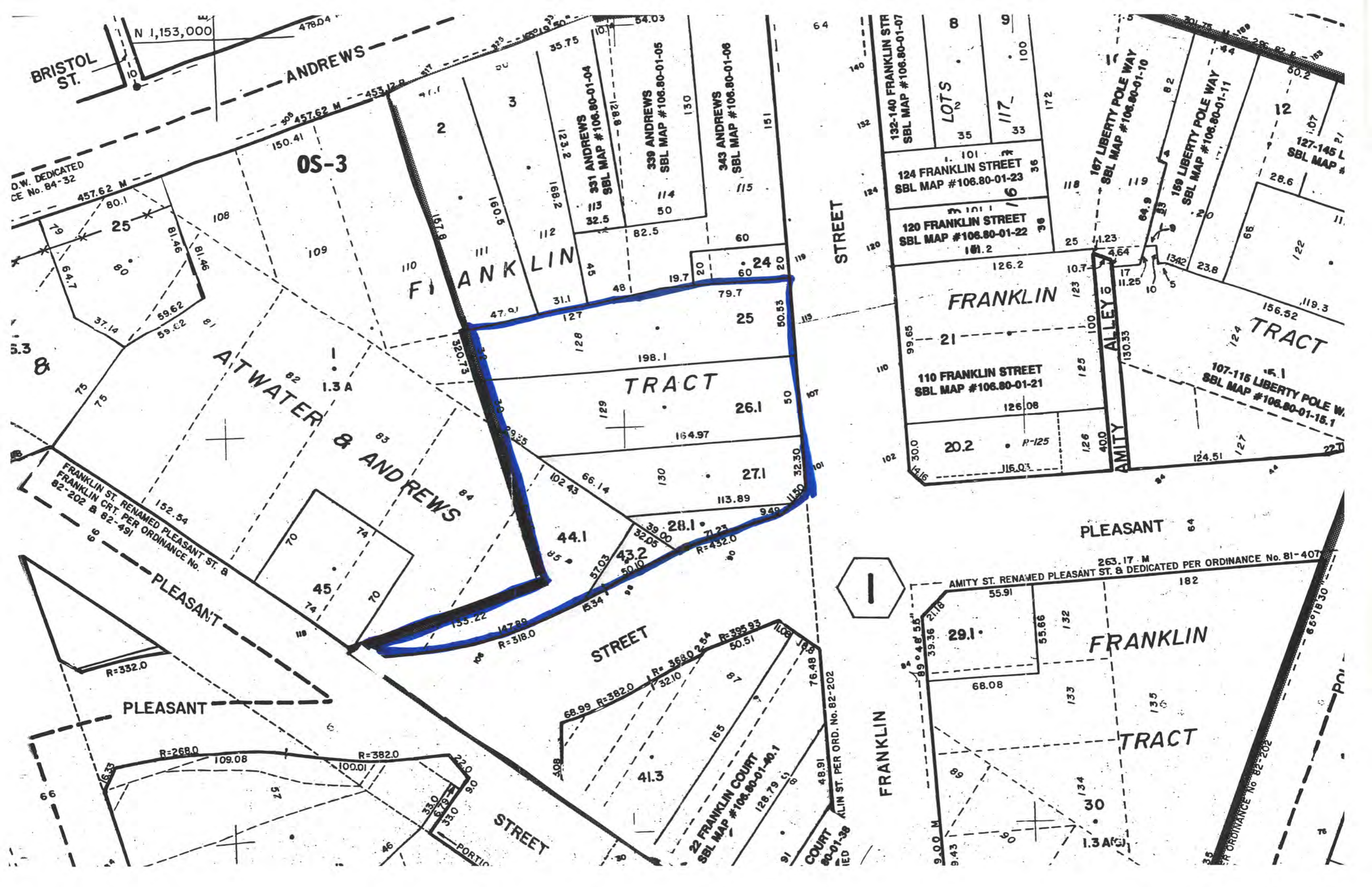


SITE:
 101-113 Franklin Street,
 98 & 106 Pleasant Street
 Rochester, New York

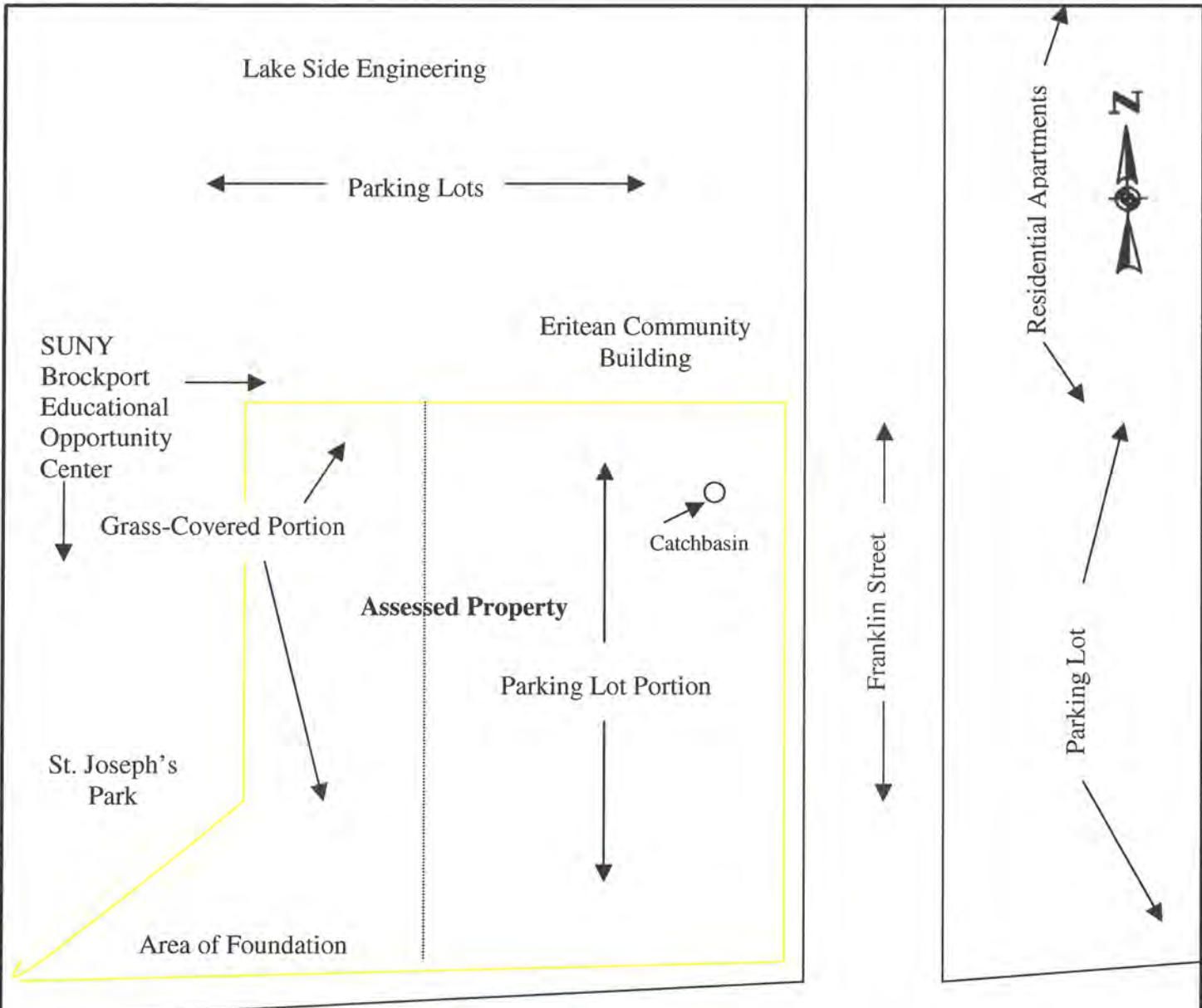
3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 1" = 500 ft Scale: 1 : 19,200 Detail: 14-0 Datum: WGS84

Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps Rochester East (NY) 1995. Site Lat/Long: N43° 9.57' - W77° 36.33'

DATE 9/27/2007	 DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008 NEW YORK, NEW YORK 10165-1617	PROJECT TITLE 101-113 FRANKLIN STREET, 98 & 106 PLEASANT STREET ROCHESTER, NEW YORK	PROJECT NO. 3982E-07
DRAWN BY RJM		PHASE I ENVIRONMENTAL SITE ASSESSMENT	FIGURE 1
SCALE 1" = 2000'		DRAWING TITLE PROJECT LOCUS MAP	




APPENDIX B
SITE SKETCH



Notes:

- 1) Site sketch based on observations made at the time of the site visit performed by a Day Environmental, Inc. representative on 9/10/07.
- 2) The highlighted area is only a representation of the assessed property, and does not depict the actual property boundaries of the assessed property.

DATE 9/21/07	 DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614	PROJECT TITLE 101-113 Franklin Street 98 and 106 Pleasant Street Rochester, New York	PROJECT NO. 3982E-07
DRAWN BY KAC		DRAWING TITLE SITE SKETCH	FIGURE 2
SCALE Not to Scale			

APPENDIX C

SITE OBSERVATIONS AND SITE PHOTOGRAPHS

Day Environmental, Inc.

SITE OBSERVATIONS

Project No.: 3982 E-07 Date: 9/12/07 Assessor Name: K Crandall
Property Address: 101-113 Franklin St. 98 + 106 Pleasant Street Rochester, NY

Persons Present/Title: K Crandall + D. Grage - Day Environmental, Inc.

Locality: Urban, Suburban, Rural (circle one)
Highly, Moderately, Lightly Developed (circle one)
Industrial, Commercial, Agricultural, Residential, Wooded, Fallow, Vacant (circle one)

No. of acres: 0.761 Frontage: Depth:

GROUND SURFACES:

Fill materials: yes/no
Debris/Dumping: yes/no
Spills/Staining: yes/no
Stressed Vegetation: yes/no
Odors: yes/no
Pools of Liquid: yes/no
Pits/Ponds/Lagoons: yes/no
Wastewater discharge: yes/no
Trees x Landscaping Green area x
Snow cover: n/a

UTILITIES: none observed

of Transformer(s) Location on property Pole-mounted or pad-mounted Ownership Suspect PCB equipment Condition of casing Staining or spillage observed

Property serviced by: Natural gas Electric Telephone Sewer x Date of Connection: unknown
Septic Location on Property:
Water Date of Connection:
Water Supply Well Location on Property:

BUILDING:

Building Designation: _____

No. of stories _____ Additions: _____

Circle: Basement Slab-on-grade Attic Crawlspace

Envelope: block/poured concrete _____ brick _____
 steel _____ wood _____
 siding (type) _____

Roof Type: peaked or flat type of material _____

Existing Heating System: _____

Past Heating System: _____

Floor drains: yes/no discharge point _____

Sump pumps: yes/no discharge point _____

Catch basins: yes/no discharge point _____

Current on-site operations: _____

Past on-site operations: _____

Building Designation: _____

No. of stories _____ Additions: _____

Circle: Basement Slab-on-grade Attic Crawlspace

Envelope: block/poured concrete _____ brick _____
 steel _____ wood _____
 siding (type) _____

Roof Type: peaked or flat type of material _____

Existing Heating System: _____

Past Heating System: _____

Floor drains: yes/no discharge point _____

Sump pumps: yes/no discharge point _____

Catch basins: yes/no discharge point _____

Current on-site operations: _____

Past on-site operations: _____

BUILDING (Cont.):

Building Designation: _____

No. of stories _____ Additions: _____
Circle: Basement Slab-on-grade Attic Crawlspace

Envelope: block/poured concrete _____ brick _____
steel _____ wood _____
siding (type) _____
Roof Type: peaked or flat _____ type of material _____

Existing Heating System: _____
Past Heating System: _____
Floor drains: yes/no discharge point _____
Sump pumps: yes/no discharge point _____
Catch basins: yes/no discharge point _____

Current on-site operations: _____
Past on-site operations: _____

SUSPECT ASBESTOS-CONTAINING MATERIALS:

Was asbestos evaluated as part of this assessment? Yes No
Does the age of the building suggest the presence of asbestos? Yes No
Date of construction: _____
Has the building been renovated? Yes No Unk.
Date of renovation: _____

Floor materials: _____ 9" x 9" _____ 12" x 12"
_____ rolled vinyl _____ stair treads
Ceiling tiles: _____ 1' x 1' _____ 2' x 2'
_____ 2' x 4' _____ Spray-on

Drywall/Plaster _____ TSI _____
Pipe Wrap _____ Boiler TSI _____
Base Cove _____ Transite _____
Roofing _____ Caulking/Glazing _____

Comments: _____

SUSPECT LEAD-BASED PAINT:

Was lead-based paint evaluated as part of this assessment? Yes No
Does the age of the building suggest the presence of lead-based paint: Yes No
Date of construction: _____
Has the building been renovated: Yes No Unk.
Date of renovation: _____

Condition of paint: Good Damaged
If damaged, does paint appear to be (circle one):
Peeling Flaking Chipping Other _____

Comments: _____

STORAGE TANKS: none observed

Get copies of site plans (if available) for tank location.

<u>USTs</u>	<u>Capacity</u>	<u>Product</u>	<u>Location on Property</u>
Tank 1	_____	_____	_____
Tank 2	_____	_____	_____
Tank 3	_____	_____	_____

Staining, Stressed or Dead Vegetation _____
Odors Detected _____
Tanks Registered _____
Any tanks removed from the property _____
contractor/date _____

<u>ASTs</u>	<u>Capacity</u>	<u>Product</u>	<u>Location on Property</u>
Tank 1	_____	_____	_____
Tank 2	_____	_____	_____
Tank 3	_____	_____	_____

Staining, Stressed or Dead Vegetation _____
Odors Detected _____
Tanks Registered _____
Any tanks removed from the property _____
contractor/date _____

Additional Comments: _____

HAZARDOUS MATERIALS: none observed

stored on-site _____ used on-site _____

MSDS on-site yes/no _____

List materials (type, size of containers, spills, odors, etc.)

Evidence of Spillage/Leakage/Odors:

WASTES: Parking lot, no wastes generated

Solid: type _____

container _____

collector _____

Recycling: type _____

container _____

collector _____

Other: type _____

container _____

collector _____

type _____

container _____

collector _____

Evidence of Spillage/Leakage:

PERMITS (air, water, etc.):
(obtain copies)
none reported

EQUIPMENT:
none observed

Evidence of Spillage/Leakage:

GENERATORS OR COMPRESSORS (fuel source; spills, staining)
none observed

Evidence of Spillage/Leakage:

ADJOINING PROPERTIES:

- North east: Eritrean Community Building, 119 Franklin St.
- North: Parking lots, 343, 339 Andrews street; Lakeside Engineering, 333 Andrews St.
- Northwest: Parking lots, 331, 325, 317 Andrews street
- South: Parking lot, 30 Franklin Court w/vacant commercial (Formerly main Camera optics center) 116 Franklin Court Beyond
- West: SUNY Brockport Educational opportunity center, 305 Andrews St.
- St. Josephs Park, 118 Pleasant street
- east: Parking lot, 102-110 Franklin street

MOLD OBSERVATIONS:

Was mold evaluated as part of this assessment?

Yes No

Does the building have a basement?

Yes No

Does the basement appear to be "damp, wet"?

Yes No N/A

Comments: _____

Is there a "musty" type odor in the building?

Yes No

Comments: _____

Is there evidence of mold growth?

Yes No

Comments: _____

Additional Comments: _____

WETLAND OBSERVATIONS:

- Was wetlands evaluated as part of this assessment? Yes No
- Is wetland-type vegetation located on the property? Yes No
- Are there bodies of water located on the property? Yes No

Additional Comments: _____

INDOOR AIR QUALITY:

- Was indoor air quality evaluated as part of this assessment? Yes No
- Were unusual odors detected inside the building? Yes No
- Did vents appear to be blocked or otherwise closed off? Yes No
- Did the heating system appear to be in good condition? Yes No

Additional Comments: _____

Additional Notes:

Catch Basin Located in the northeast portion of parking lot. Parking lot No stains/odors gently slopes to northeast.
Many cracks, pot holes, and broken-up asphalt in parking lot. Poor condition.
Many asphalt patches.

Grass Covered area - visible former building foundation located on southwest portion of assessed property (i.e., on 106 Pleasant Street Parcel). Small brick structure, approximately 2-3 ft in height in vicinity of former foundation located in a row of bushes. Appears to a part of former fence or brick border.

Western portion of assessed property is a grass covered area. Topography of area indicates a former building. Building footprint is apparent.

Signature of Assessor: Kelly Crandall



View of the assessed property facing northwest.



View of the assessed property facing north.

3982E-07
101-113 Franklin Street
98 & 106 Pleasant Avenue
Rochester, New York
September 12, 2007



View of a visible concrete foundation on the southwest portion of the assessed property.



View of a brick structure located on the southwest portion of the assessed property.

3982E-07
101-113 Franklin Street
98 & 106 Pleasant Avenue
Rochester, New York
September 12, 2007

APPENDIX D

HISTORICAL RESEARCH DOCUMENTATION



1930

N
↘

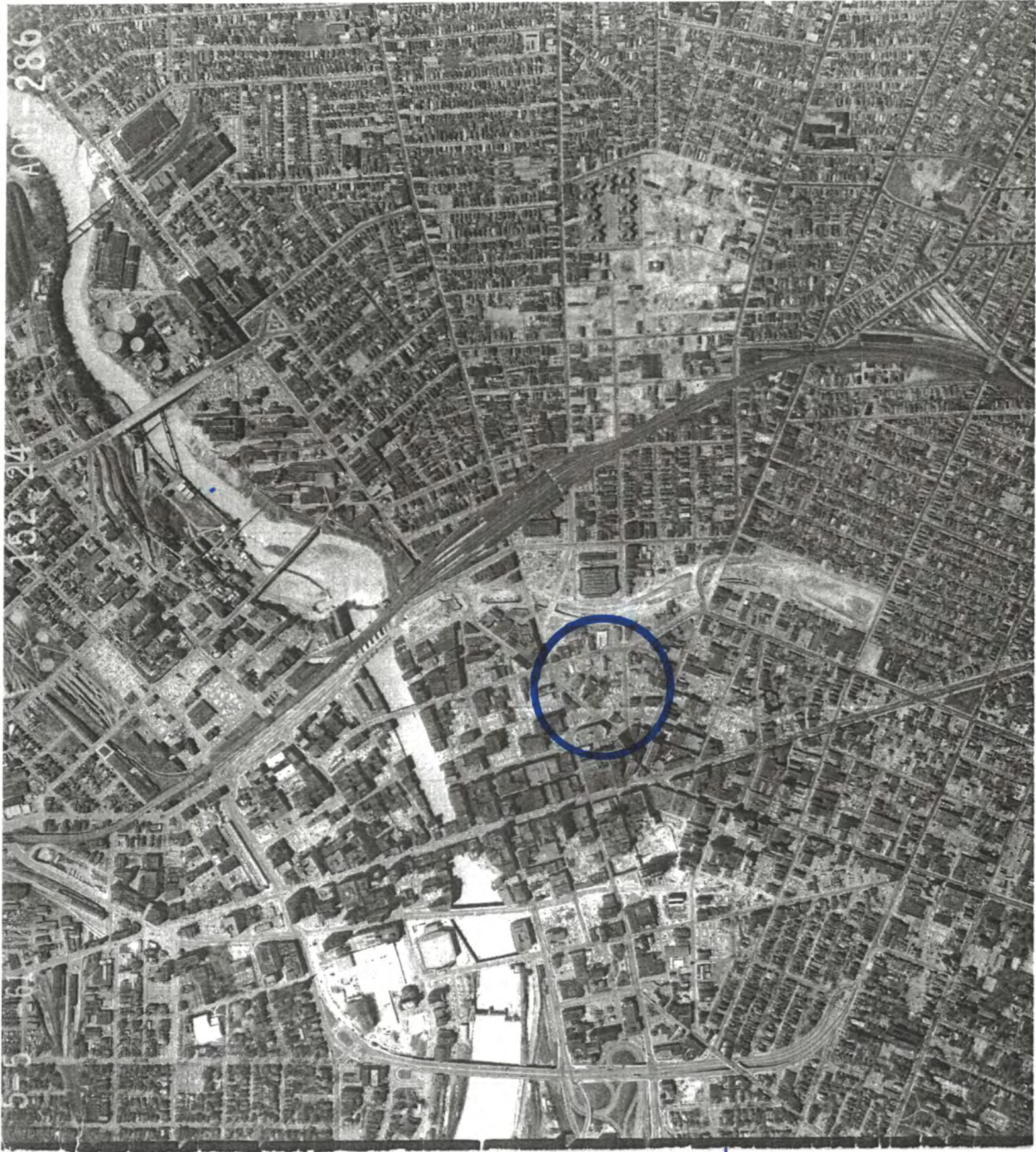
10-16-51

ARK-21



1951

2
2



A01-286

152-24

3-6

1961

22



12

1970

3 MAY 75

MON 75

5-10



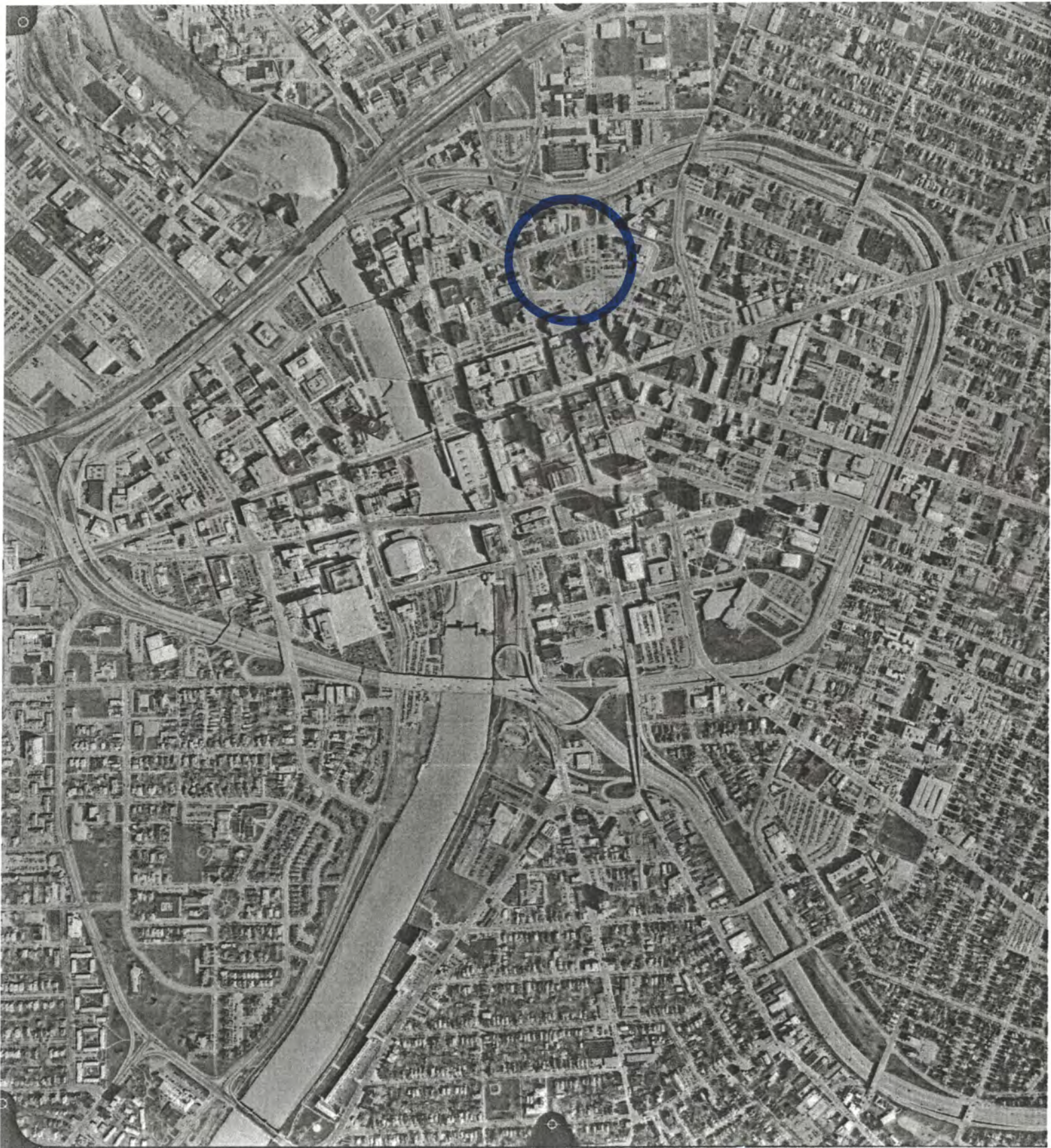
1975

N
↑



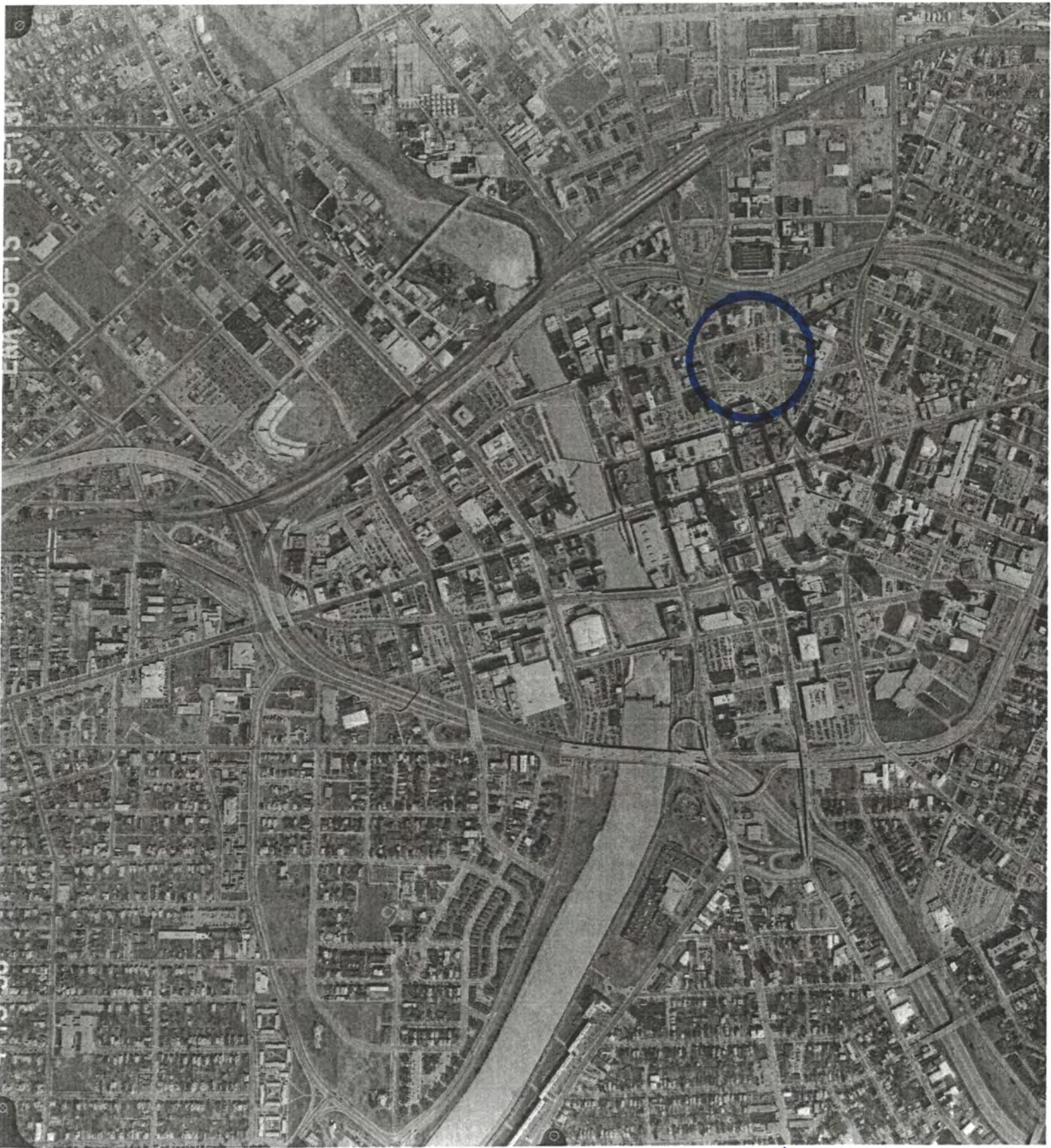
1988

22



1993

2
7



13-1-1
CI-OC W-1

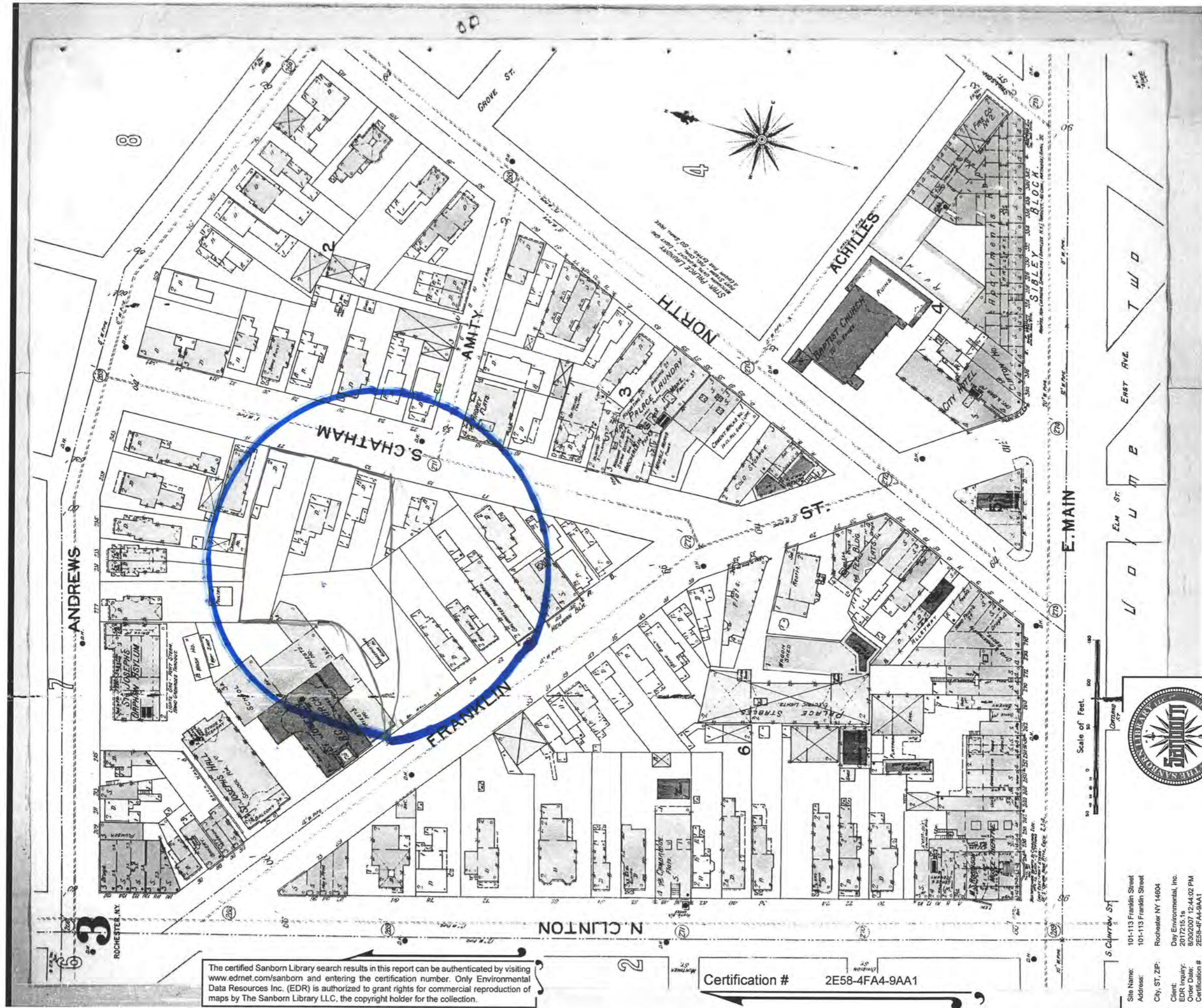
1996

N
1



1999

N
↑



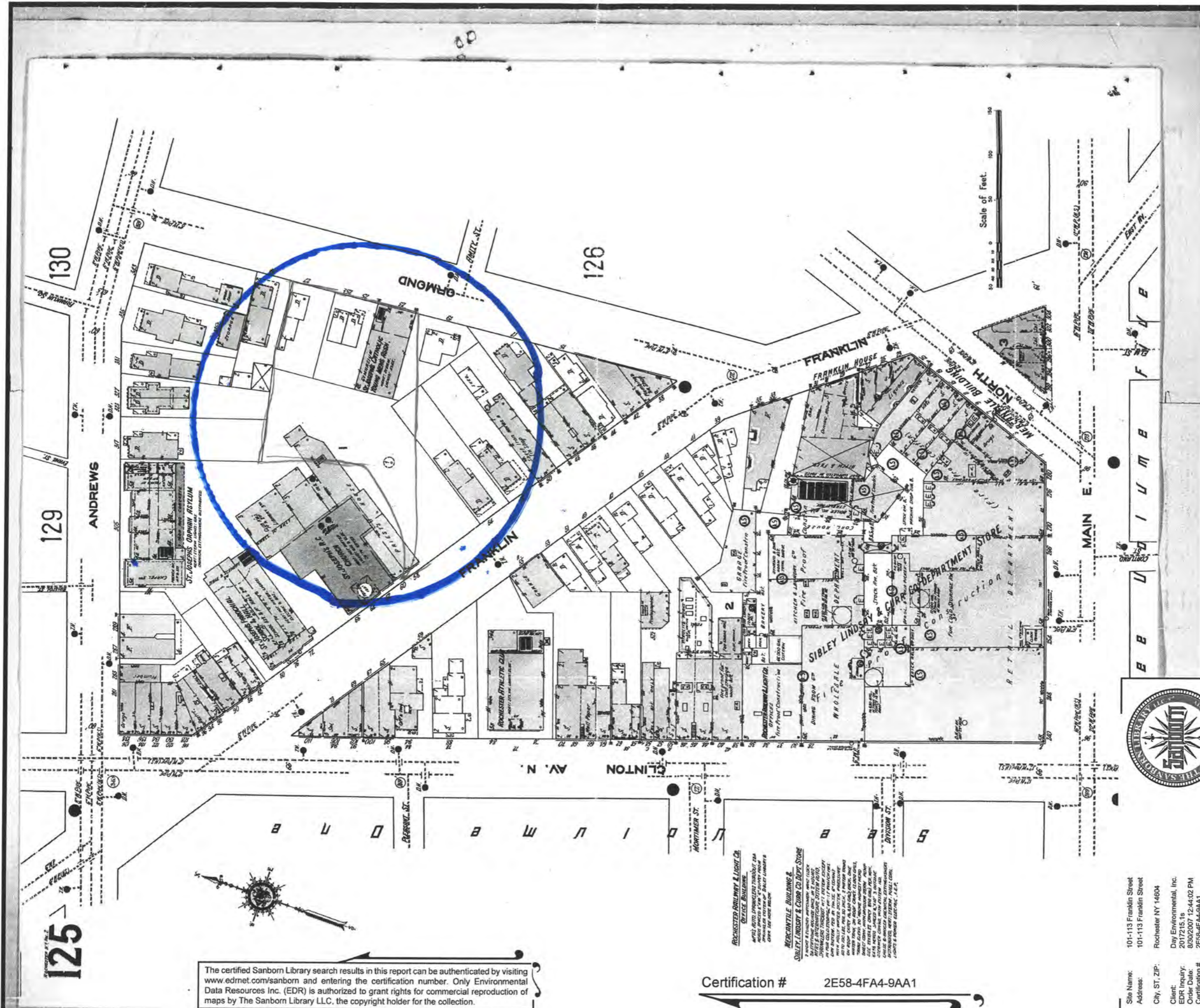
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Certification # 2E58-4FA4-9AA1



Site Name: 101-113 Franklin Street
 Address: 101-113 Franklin Street
 City, ST, ZIP: Rochester NY 14604
 Client: Day Environmental, Inc.
 EDR Inquiry: 2017215.1s
 Order Date: 8/30/2007 12:44:02 PM
 Certification #: 2E58-4FA4-9AA1

Research Associate: JNS Copyright: 1892



125

130

126



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Certification # 2E58-4FA4-9AA1

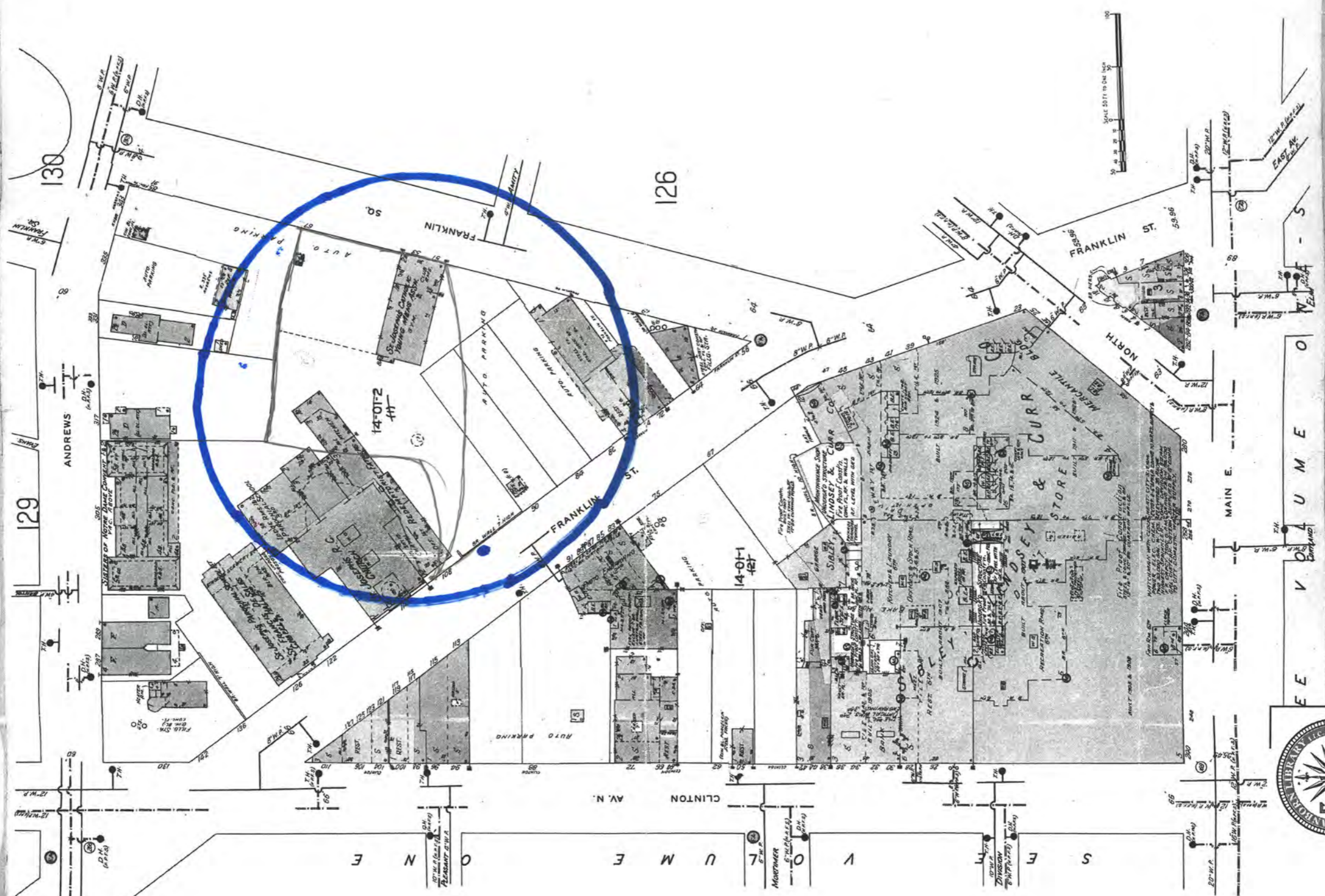


Site Name: 101-113 Franklin Street
 Address: 101-113 Franklin Street
 City, ST, ZIP: Rochester NY 14604
 Client: Day Environmental, Inc.
 EDR Inquiry: 2017215.15
 Order Date: 8/30/2007 12:44:02 PM
 Certification #: 2E58-4FA4-9AA1

Research Associate: IHS Copyright: 1911

ROCHESTER RAILWAY & LIGHT CO. OFFICE BUILDING.
 40'x120' AUTO SPRINKLER THROUGH 2ND FLOOR. SEE PLAN FOR LOCATION OF SPRINKLER. SEE NOTE BELOW.

MERCANTILE BUILDING & CHURCH CO. DEPT. STORE.
 2-STORY BRICK. 100'x100'. 1ST FLOOR: DEPT. STORE. 2ND FLOOR: CHURCH CO. DEPT. STORE. SEE PLAN FOR LOCATION OF DEPT. STORES.



125
 APR. 1944
 R
 123



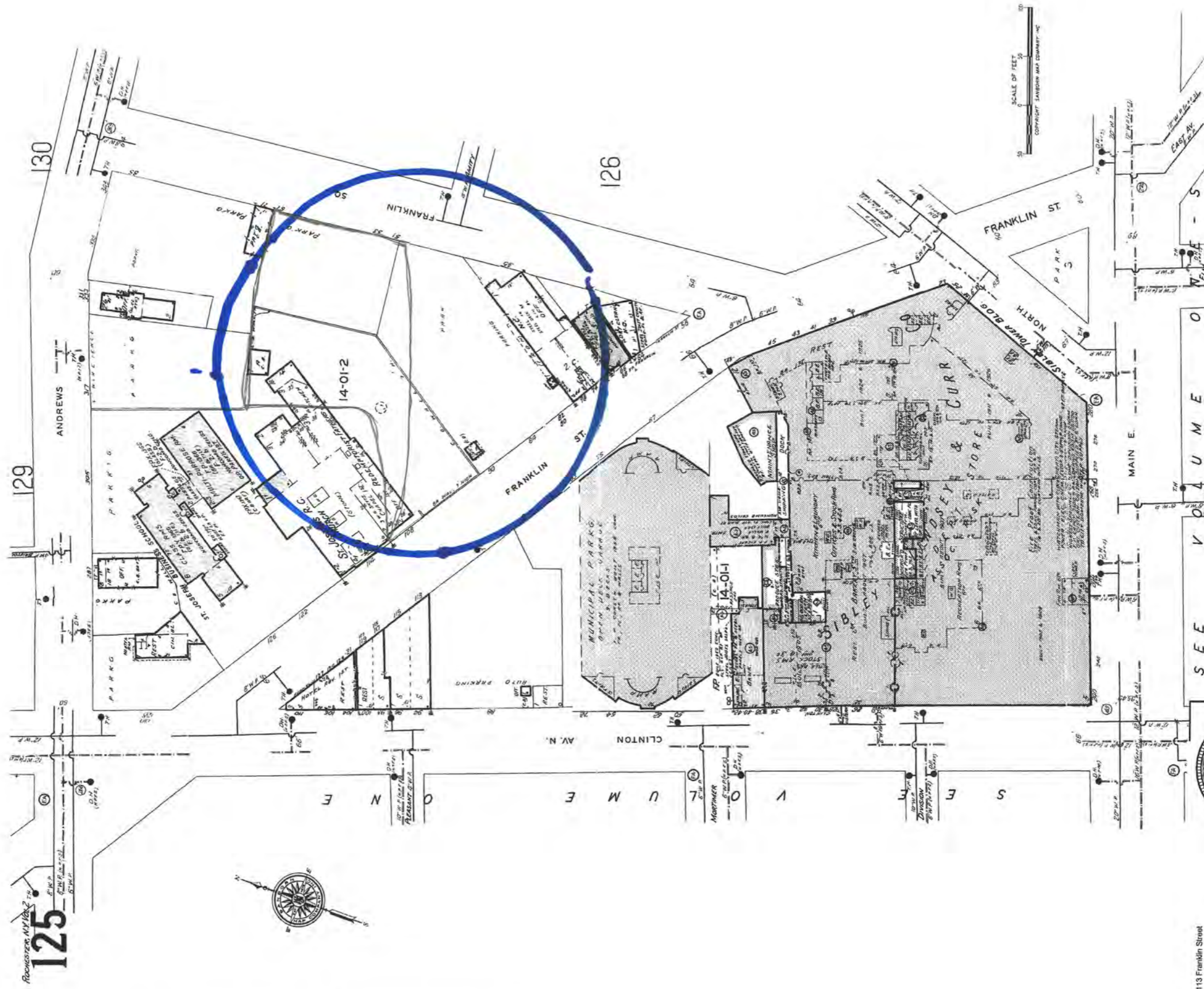
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Certification # 2E58-4FA4-9AA1



Site Name: 101-113 Franklin Street
 Address: 101-113 Franklin Street
 City, ST, ZIP: Rochester NY 14604
 Client: Day Environmental, Inc.
 EDR Inquiry: 2017215.1s
 Order Date: 8/30/2007 12:44:02 PM
 Certification #: 2E58-4FA4-9AA1

Research Associate: JNS Copyright: 1950




Rochester, NY 14604
125
 E.N.P.
 E.N.P.
 E.N.P.

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Certification # 2E58-4FA4-9AA1

Site Name: 101-113 Franklin Street
 Address: 101-113 Franklin Street
 City, ST, ZIP: Rochester NY 14604
 Client: Day Environmental, Inc.
 EDR Inquiry: 2017215.1s
 Order Date: 8/30/2007 12:44:02 PM
 Certification #: 2E58-4FA4-9AA1

Research Associate: JHS Copyright: 1971



**Polk City Directory Review
(9/8/07)**

2006

Franklin Street

+Franklin Ct
40 Charter one securities Inc bank
+Pleasant Street
120 Residential
132 Residential
140 Residential
+Andrews Street

Pleasant Street

20 Residential
25 Passero and Meserve attorneys
+Liberty Pole Way
+Franklin Street
156 Residential
210 Our Lady of Victory church
214 Residential
+St. Paul Street

2000

Franklin Street

+Franklin Ct
40 Rochester Community Savings Bank
+Pleasant Street
140 Residential
+Andrews Street

Pleasant Street

5 Residential
25 Residential
+Liberty Pole Way
+Franklin Street
210 Our Lady of Victory church
+St. Paul Street

* Assessed Property

1994

Franklin Street

+Franklin Ct
40 Rochester Community Savings Bank
+Pleasant Street
78 Public Parking Co
82 Parking Lot
84 Public Parking Co
115 Public Parking
119 Greathead General Printing
120 Burke Grossman Valenti and Rzepka Law Firm
+Andrews Street

Pleasant Street

+St. Paul Street
21 Vacant
210 Our Lady of Victory church
+N. Clinton

1990

Franklin Street

+North Street
33 Sibley Lindsay & Curr Co.
40 Rochester Community Savings Bank
+Pleasant Street
78 Public Parking
82 Vacant
84 Apartments
Public Parking Co
115 Public Parking
119 Greathead General Printing
120 Burke and Rzepka Law Firm
+Andrews Street

Pleasant Street

+St. Paul Street
21 Vacant
210 Our Lady of Victory church
+N. Clinton

* Assessed Property

1985

Franklin Street

+North Street

33 Sibley Lindsay & Curr Co.

40 Rochester Community Savings Bank

+Franklin Square

+Pleasant Street

110 Public Parking

78 Public Parking

82 Vacant

84 Apartments

85 Public Parking Co

115 Public Parking

119 Schneider Brothers Printing

120 St. George Dental Studio

+Andrews Street

Pleasant Street

+St. Paul Street

21 Wood World Furniture

210 Our Lady of Victory church

+N. Clinton

1979

Franklin Street

+North Street

33 Sibley Lindsay & Curr Co.

40 Rochester Community Savings Bank

+Franklin Square

58 Rochester Truck Rental

66 Main Cameral Center Inc. photography equip

68 vacant

72 vacant

76 vacant

82 Public Parking

108 vacant

115 Trant's Inc.

* 113 Kiplings

119 C&F Family Restaurant

120 Rochester Opportunity Center (SUNY Brockport)

+Andrews Street

* Assessed Property

Pleasant Street

+St. Paul Street
10 Our Lady of Victory church
+N. Clinton

1974/75

Franklin Street

+North Street
33 Sibley Lindsay & Curr Co.
40 Rochester Community Savings Bank
+Franklin Square
58 vacant
66 Main Cameral Center Inc. photography equip
68 vacant
72 Apartments
76 Golden Mug Tavern
82 Public Parking
120 Rochester Opportunity Center (SUNY Brockport)
+Andrews Street
159 Epstein's Edco Process Dry Cleaner

Pleasant Street

+St. Paul Street
10 Our Lady of Victory church
+N. Clinton

1969

Franklin Street

+North Street
33 Sibley Lindsay & Curr Co.
40 Rochester Community Savings Bank
+Franklin Square
58 Barnet Ben Cleaners
66 Esse-Moore Insurance Agency
68 Spirits from '76
72 Apartments
76 Spirits from '76
82 Public Parking
✱ 90 public parking
✱ 108 St. Josephs Church Rectory
110 St. Josephs Church
* Assessed Property

120 St. Josephs Covenant
+Andrews Street
159 Epstein's Edco Process Dry Cleaner

Franklin Square

38 Ardrey Apartments
50 Parkrite Inc Parking Station
*67 Public Parking
68 Public Parking
71 Sneider Bros Printing
72 Porter Melbourne Optom
78 Public Parking
82 Franklin Apartments
84 Apartments
85 Parking Lot

Pleasant Street

+St. Paul Street
10 Our Lady of Victory church
+N. Clinton

1965

Franklin Street

+North Street
33 Sibley Lindsay & Curr Co.
40 Rochester Community Savings Bank
+Franklin Square
58 Barnet Ben Cleaners
66 Esse-Moore Insurance Agency
68 vacant
72 Apartments
74 vacant
82 Public Parking
* 90 public parking
* 108 St. Josephs Church Rectory
110 St. Josephs Church
120 St. Josephs Covenant
122 St. Francis De Salles Chapel
+Andrews Street
159 Epstein's Edco Process Dry Cleaner

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- 50 Parkrite Inc Parking Station
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Porter Melbourne Optom
- 82 Franklin Apartments
- 84 Franklin Apartments
- 85 Parking Lot

Pleasant Street

+St. Paul Street

- 10 Our Lady of Victory church
 - 18 RKO Parking
 - 20 Jackson's Garage Auto Repair
- +N. Clinton

1960

Franklin Street

+North Street

- 33 Sibley Lindsay & Curr Co.
 - 40 Rochester Community Savings Bank
- +Franklin Square
- 58 Jim Chevron Service Sta
 - 66 Feldman-Simon Agency
 - 72 Franklin House Restaurant
Apartments
 - 74 vacant
 - 82 Public Parking
 - * 90 public parking
 - * 108 St. Josephs Church Rectory
 - 110 St. Josephs Church
 - 113 Phillips Beauty Salon
 - 120 St. Josephs Covenant
 - 122 St. Francis De Salles Chapel
- +Andrews Street
- 149 Private Parking
 - 159 Epstein's Edco Process Dry Cleaner

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- 50 Parkrite Inc Parking Station
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Porter Baird Optom
- 78 vacant
- 82 Franklin Apartments
- 84 Franklin Apartments
- 85 Parking Lot

Pleasant Street

+St. Paul Street

- 10 Our Lady of Victory church
 - 18 RKO Parking
 - 20 Jackson's Garage Auto Repair
- +N. Clinton

1955

Franklin Street

+North Street

- 40 Rochester Community Savings Bank
- +Franklin Square
- 45 Porter Baird Optom
 - 47 vacant
 - 58 Franklin Service Sta
 - 66 Feldman-Simon Agency
 - 72 Larry's Lounge Restaurant
Apartments
 - 75 Parking
 - 82 Public Parking
 - * 90 public parking
 - * 108 St. Josephs Church Rectory
 - 110 St. Josephs Church
 - 113 Julian Bridal Shop
 - 120 St. Josephs Covenant
 - 122 St. Francis De Salles Chapel
- +Andrews Street
- 149 Private Parking

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Apartments
- 85 Parking Lot
- 124 Residential
- 130 Retail Gasoline Dealers Assn

Pleasant Street

- +St. Paul Street
- 10 Our Lady of Victory church
- 18 RKO Parking
- 20 Jackson's Garage Auto Repair
- 21 Parking
- +N. Clinton

1950

Franklin Street

- +North Street
- 40 Rochester Community Savings Bank
- +Franklin Square
- 43 Porter Baird Optom
- 45 Hearing Aide Center
- 47 Maico Rochester Co hearing
- 58 McCarthy Service Sta
- 72 Dalton Restaurant
- Apartments
- 75 Parking
- 82 Public Parking
- 83 Colgate Palmolive Peet Co
- 85 Rochester Wayne Distributors corp oil burners
- 87 Empire Photo Engravers
- * 90 public parking
- 91 Eddy's Garage auto repair
- * 108 St. Josephs Church Rectory
- 113 Heller-Rochester Corp mfrs agts
- 120 St. Josephs Covenant
- 122 St. Francis De Salles Chapel
- 123 Apartments
- +Andrews Street
- 149 Private Parking
- * Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 71 Sneider Bros Printing
- 72 Apartments
- 82 Franklin Apartments
- 84 Franklin Apartments
- 85 Parking Lot
- 124 Residential
- 130 Retail Gasoline Dealers Assn

Pleasant Street

- +St. Paul Street
- 10 Our Lady of Victory church
- 18 RKO Parking
- 20 Jackson's Garage Auto Repair
- 21 Parking
- +N. Clinton

1945

Franklin Street

- +North Street
- 40 Rochester Community Savings Bank
- +Franklin Square
- 43 Town Talk Dry Cleaner
- 45 Russian War Relief
- 58 McCarthy Service Sta
- 72-76 Grey Hound Bldg
- 75 Public Parking
- 83 Colgate Palmolive Peet Co
- 85 Rochester Wayne Distributors corp oil burners
- 87 Empire Photo Engravers
- * 90 public parking
- 91 Franklin Street Garage auto repair
- * 108 St. Josephs Church Rectory
- 113 Heller-Rochester Corp mfrs agts
- 120 St. Josephs Covenant
- 122 St. Francis De Salles Chapel
- 123 Apartments
- +Andrews Street
- 149 vacant

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 117 vacant
- 123 United Service Organization
- 124 Residential

Pleasant Street

- +St. Paul Street
- 10 Our Lady of Victory church
- 18 RKO Parking
- 21 Parking
- 22 Pleasant St. Parking and Washing Service Sta
- +N. Clinton

1939/40

Franklin Street

- +North Street
- 40 Rochester Community Savings Bank
- +Franklin Square
- 43 Abco Realty Corp
- 45 vacant
- 47 vacant
- 58 Palace Service Sta
- 72-76 Grey Hound Bldg
- 75 Public Parking
- 80 parking
- 85 Melchior, Armstrong Dessau Co of Delaware refrigerator and oil burner supplies
whol
- 87 Empire Photo Engravers
- * 90 public parking
- 91 Franklin Street Garage auto repair
- * 108 St. Josephs Church Rectory
- 120 St. Josephs Covenant
- 123 Apartments
- +Andrews Street
- 149 vacant

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 117 vacant
- 123 United Service Organization
- 124 Residential
- 129 Residential
- 130 Residential

Pleasant Street

+St. Paul Street

- 10 Our Lady of Victory church
 - 18 Parking
 - 21 Parking
 - 22 Pleasant St. Parking and Washing Service Sta
- +N. Clinton

1935

Franklin Street

+North Street

- 40 Rochester Community Savings Bank

+Franklin Square

- 43 Abco Realty Corp
 - 45 vacant
 - 47 vacant
 - 58 Palace Service Sta
 - 72-76 Grey Hound Bldg
 - 75 Public Parking
 - 80 parking
 - 85 Melchior, Armstrong Dessau Co of Delaware refrigerator and oil burner supplies
whol
 - 87 Empire Photo Engravers
 - * 90 public parking
 - 91 Franklin Street Garage auto repair
 - * 108 St. Josephs Church Rectory
 - 120 St. Josephs Covenant
 - 123 Apartments
- +Andrews Street
- 149 vacant

* Assessed Property

Franklin Square

- 38 Ardrey Apartments
- * 51 YMCA
- * 67 Public Parking
- 68 Public Parking
- 117 vacant
- 123 United Service Organization
- 124 Residential
- 129 Residential
- 130 Residential

Pleasant Street

+St. Paul Street

- 10 Our Lady of Victory church
 - 18 Parking
 - 21 Parking
 - 22 Pleasant St. Parking and Washing Service Sta
- +N. Clinton

* Assessed Property

APPENDIX E

REGULATORY RECORDS DOCUMENTATION

IN-HOUSE RECORDS CHECKLIST
(Map of Assessment Location to be provided by Assessor)

Job # 3982807 Assessor K. Crandall

Completed by SMM

Property Name/
Address 101-113 Franklin Street

98 and 106 Pleasant Street

Rochester, Ny (Zip Code) 14604

Region 8

County: Monroe

Date
Submitted 9/12/07

Date
Needed 9/18/07

Names and Addresses of Adjoining Properties:

NE) Eritrean Community Building, 119 Franklin St

N) Parking lots, 343, 339 Andrews Street; Lakeside Engineering, 333 Andrews Street

NW) Parking lots, 317, 325, 331 Andrews Street

S) Parking lots, 30 Franklin Court w/ vacant Commercial building (Formerly main camera and optics center) 8-16 Franklin Court Beyond

W) Suny Brockport Educational Opportunity Center, 305 Andrews St.
St. Joseph's Park, 118 Pleasant Street

E) Parking lot, 102-110 Franklin Street

RECORDS REVIEW:

NPL:

Assessed Property: _____

1-Mile Radius: _____

DELISTED NPL:

Assessed Property: _____

1/2 Mile Radius: _____

CERCLIS (Active):

Assessed Property: _____
1/2-Mile Radius: _____

None

CERCLIS NFRAP:

Assessed Property: _____
1/2-Mile Radius: _____

No

1) NYDO43069996 - Rochester Gas & Electric Beebe Station - 254 Mill St - (E. S NW)

CORRACTS:

Assessed Property: _____
1-Mile Radius: _____

None

TSDFs (Treatment, Storage and Disposal Facilities)

Assessed Property: _____
1/2-Mile Radius: _____

None

FEDERAL INSTITUTIONAL CONTROL/ENGINEERING CONTROL SITES:

Assessed Property: _____

No

GENERATORS:

Assessed Property: _____
Adjoining Properties: _____

NO

1) NYD982736746 - Rochester Education Oppor. Center - 305 Andrews St (inactive)

NYSDEC CBS: (assessed property and adjoining properties)

None

STATE INSTITUTIONAL CONTROL/ENGINEERING CONTROL SITES:

Assessed Property: No

STATE VOLUNTARY CLEAN-UP SITES:

Assessed Property: No

0.5-Mile Radius: ? 1) V00001-Speedy's Cleaners - Court St (= .5 SW)
2) V00073-RGE front Andrews St (= .4 W)
3) V00593-RGE - West Station - 254 Mill St (= .5 NW)

STATE BROWNFIELD SITES:

Assessed Property: No

0.5-Mile Radius: 1) C828117 - Ward St Site - Corner of Ward St + St Paul St (= .4 N/NW)
2) C828127 - Kirstein Building + Parking Lot - 242 Andrews +
3) C828136 - 8-28 Ward St - 8-28 Ward St (= .4 N/NW)
3) Bittner St (= .1 NW)

STATE ERP SITES:

Assessed Property:

0.5-Mile Radius: None

SITES SUBJECT TO ENVIRONMENTAL EASEMENTS:

Assessed Property: No

0.5-Mile Radius: 1) C828117 - Ward St Site - Rochester - Restricted industrial (= .4 N/NW)

FEDERAL UST:

Assessed Property: _____

Adjoining Properties: _____

None

HISTORICAL NAMES TO CHECK (SPILLS) (REGION 8 ONLY) (1974-1983):

Kiplings No

Job # ROCITY-3982E-07 Assessor K. Crandall

Completed by R. McPhee

Property Address 101-113 Franklin Street

98 & 106 Pleasant Street

Rochester, New York (Zip Code) 14604

Region 8 County: Monroe

Date Submitted 9/13/07

Date Needed 9/18/07

Names and Addresses of Adjoining Properties:

NE) Eritrean Community Building, 119 Franklin Street

N) Parking lots, 343 & 339 Franklin St.; Lakeside Engineering, 333 Andrews St.

NW) Parking Lots, 317, 325 & 331 Andrews Street

S) Intersection of Franklin Street/Pleasant Street

SW) Parking lots, 30 Franklin Court w/vacant commercial building (formerly Main Camera and Optics Center) 8-16 Franklin Court beyond

W) SUNY Brockport Educational Opportunity Center, 305 Andrews Street
St. Josephs Park, 118 Pleasant Street

E) Parking lot, 102-110 Franklin Street

Summary of Spills/LSTs

Total Number of Spills/LSTs within a 0.5-mile Radius: 229

Active Mappable Spills/LSTs: 12

Active Unmappable Spills/LSTs: 0

Closed/Inactive Mappable Spills/LSTs: 167

Closed/Inactive Unmappable Spills/LSTs: 50

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/ Distance	Mappable (Yes/No)
1	9714156	25 Franklin Street	3/20/98	CI	~.1 S	Y
2	9010284	167 Liberty Pole Way	12/21/90	C	~.1 NE	Y
3	0070376	StillsonSt./Achilles St.	9/8/00	A	~.2 SE	Y
4	0470265	Andrews Street Bridge	9/2/04	CI	~.3 W	Y
5	0650574	305 Andrews Street	7/11/06	CI	~.1 NW	Y
6	8181824	84 Andrews St./Front St.	3/3/82	CI	~.4 W	Y
7	8282308	84 Andrews Street	3/8/82	CI	~.4 W	Y
8	8301818	84 Andrews Street	12/9/83	C	~.4 W	Y
9	8400017	414 Andrews Street	4/2/84	C	~.1 NE	Y
10	8601285	304-308 Andrews Street	5/22/86	C	~.1 NW	Y
11	8603560	304-308 Andrews Street	8/29/86	C	~.1 NW	Y
12	8603686	430 Andrews Street	8/29/86	C	~.1 NE	Y
13	8807135	Front & Andrews Street	11/18/88	C	~.4 W	Y
14	8906306	Front & Andrews Street	9/26/89	C	~.4 W	Y
15	9000770	74 Andrews St. @ Front St.	4/23/90	C	~.4 W	Y
16	9307363	84 Andrews Street	9/15/93	C	~.4 W	Y
17	9410290	84 Andrews Street	10/31/94	CI	~.4 W	Y
18	9605542	84 Andrews Street	7/30/96	CI	~.4 W	Y
19	9870059	414 Andrews Street	8/6/98	CI	~.1 NE	Y
20	0070107	55 Bittner Street	5/13/00	CI	~.1 NW	Y

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
21	0550322	37 Bittner Street	5/20/05	A	~.1 NW	Y
22	8803121	Carthage Alley	7/11/88	C	~.3 NW	Y
23	8805093	Carthage Alley	9/12/88	C	~.3 NW	Y
24	9804461	Carthage Alley	7/9/98	CI	~.3 NW	Y
25	8501549	178 N. Water Street	7/3/85	C	~.3 W	Y
26	8502445	N. Water & State Streets	10/7/85	C		N
27	8701348	Water Street	5/18/87	C		N
28	0207133	Near Central Avenue Dam	10/10/02	CI		N
29	0301787	439 Central Avenue	5/20/03	C	~.2 N	Y
30	8300253	Central Ave. & Clinton Ave.	5/3/83	CI	~.25 NW	Y
31	8802353	Central Ave. & N. Clinton Ave.	6/14/88	C	~.25 NW	Y
32	9213046	444 Central Avenue	2/18/93	C	~.2 N	Y
33	9308953	320 Central Avenue	10/24/93	C	~.25 NW	Y
34	9970116	439 Central Avenue	5/31/99	A	~.2 N	Y
35	9970147	439 Central Avenue	6/9/99	CI	~.2 N	Y
36	7980213	Ward & N. Clinton Avenue	2/13/79	C	~.4 NW	Y
37	8500090	65 Ward Street	4/7/85	C	~.4 NW	Y
38	9001772	St. Paul St. & Ward St.	5/15/90	C	~.5 NW	Y
39	9205414	Harrison St. & Ormond St.	8/10/92	C	~.3 N	Y
40	0070547	23 Emmett Street	12/27/00	CI	~.5 NW	Y

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
41	0370234	285 Ormond/Lundys Lane	7/21/03	CI	~.25 N	Y
42	9608754	Lundy Lane	6/1/96	C	~.3 N	Y
43	0206854	425 Ormond Street	5/2/02	CI	~.4 N	Y
44	8600110	425 Ormond Street	4/3/86	C	~.4 N	Y
45	9402995	285 Ormond Street	5/26/94	C	~.25 N	Y
46	9870499	425 Ormond Street	9/15/98	A	~.4 N	Y
47	8300740	77 Nassau Street	7/7/83	CI	~.5 N	Y
48	8402902	75 Nassau Street	1/29/85	C	~.5 N	Y
49	8503273	66 Nassau Street	12/13/85	C	~.5 N	Y
50	8706607	75 Nassau Street	11/4/87	C	~.5 N	Y
51	8709364	75 Nassau Street	2/3/88	C	~.5 N	Y
52	8801590	62 Nassau Street	5/21/88	C	~.5 N	Y
53	8806390	75 Nassau Street	10/27/88	C	~.5 N	Y
54	8908394	75 Nassau Street	11/17/89	C	~.5 N	Y
55	9103030	75 Nassau Street	6/10/91	C	~.5 N	Y
56	9204806	68 Nassau Street	7/20/92	C	~.5 N	Y
57	9302890	68 Nassau Street	6/2/93	C	~.5 N	Y
58	9303829	68 Nassau Street	6/24/93	CI	~.5 N	Y
59	9410204	75 Nassau Street	10/29/94	CI	~.5 N	Y
60	9505099	41 Woodward Street	7/14/95	C	~.5 NE	Y

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
61	9007141	54 Weld Street	9/28/90	C	~.4 NE	Y
62	0270131	39 Delevan Street	5/30/02	CI	~.25 NE	Y
63	9101785	39 Delevan Street	5/7/91	C	~.25 NE	Y
64	9307652	39 Delevan Street	9/23/93	C	~.25 NE	Y
65	8800329	26 Gibbs Street	4/9/88	C	~.25 SE	Y
66	9609472	26 Gibbs Street	6/12/96	CI	~.25 SE	Y
67	9516382	98 Grove Street	3/20/96	CI	~.2 E	Y
68	7681103	24 Windsor Street	9/21/76	C	~.3 E	Y
69	0070043	26-60 Charlotte Street	4/19/00	A	~.4 SE	Y
70	0070044	14-16 Charlotte Street	4/19/00	A	~.3 E	Y
71	0170101	37 Charlotte Street	5/18/01	CI	~.4 E	Y
72	0270474	80-100 Charlotte Street	11/25/02	A	~.4 SE	Y
73	9406768	24 Winthrop Street	8/18/94	A	~.4 SE	Y
74	9702324	East Avenue & Pitkin ST.	5/22/97	CI	~.5 SE	Y
75	8504348	Elm Street & Chestnut Street	3/6/86	C	~.3 SE	Y
76	8602340	Atlas Street & Elm Street	7/9/86	C	~.2 SE	Y
77	0070490	110 Savannah Street	9/29/00	CI	~.5 SE	Y
78	8607332	110 Savannah Street	3/3/87	C	~.5 SE	Y
79	0470290	1 Manhattan Square	9/17/04	CI	~.5 S	Y
80	9303799	10 Manhattan Street	6/23/93	C	~.5 SE	Y

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
81	9610065	111 Woodbury Boulevard	11/8/96	C	~.5 S	Y
82	9213188	Stone Street & Chestnut	2/20/93	C		N
83	0370060	8 Commercial Street	5/2/03	CI	~.4 W	Y
84	0485575	8 Commercial Street	2/17/05	CI	~.4 W	Y
85	9204797	64 Commercial Street	7/22/92	C	~.5 W	Y
86	9213509	Commercial & Mill Streets	3/5/93	C	~.5 W	Y
87	9416429	111 Commercial Street	3/18/95	C	~.5 W	Y
88	0308138	Mill Street (RG&E)	10/31/03	CI		N
89	8181827	Mill Street (RPM Auto Parts)	3/11/82	CI		N
90	8707021	Mill St. (Holley Pump Sta.)	11/17/87	C		N
91	8805316	Fitzhugh St. (City of Roch.)	9/16/88	C		N
92	8806024	Fitzhugh & Church Street	10/17/88	C	~.5 SW	Y
93	9610232	Fitzhugh St. (City Hall)	11/15/96	C	~.5 SW	Y
94	9714269	13 South Fitzhugh Street	3/22/98	CI	~.5 SW	Y
95	9970696	62 South Fitzhugh Street	3/23/00	C	~.5 SW	Y
96	9612788	30 Church Street	1/28/97	C	~.5 SW	Y
97	9602246	East Main & Graves Street	5/15/96	C	~.3 SW	Y
98	0485692	100 State Street	3/24/05	C	~.4 SW	Y
99	0550305	150 State Street	5/17/05	C	~.4 W	Y
100	9000376	100 State Street	4/6/90	C	~.4 SW	Y

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
101	9113063	State Street (Federal Bldg.)	3/24/92	C		N
102	9305563	Inner Loop @ State Street	8/3/93	C	~.5 W	Y
103	9415388	43 State Street	2/23/95	C	~.4 SW	Y
104	9870429	100 State Street	12/31/98	CI	~.4 SW	Y
105	0011244	Exchange Blvd. (Corn Hill)	1/15/01	CI		N
106	8280930	Exchange Street	9/30/82	CI		N
107	8301007	Exchange & Broad Street	8/10/83	CI	~.4 SW	Y
108	8380811	Exchange & Broad Street	8/10/83	C	~.4 SW	Y
109	9102115	100 Exchange Street	2/10/91	C	~.5 SW	Y
110	9213136	55 Exchange Street	2/24/93	C	~.4 SW	Y
111	9307552	Broad & Exchange Street	9/16/93	CI	~.4 SW	Y
112	9307647	100 Exchange Street	9/22/93	CI	~.5 SW	Y
113	93099233	55 Exchange Street	10/29/93	C	~.4 SW	Y
114	9710030	55 Exchange Street	11/24/97	C	~.4 SW	Y
115	0103635	Court St. (fireworks display)	7/4/01	CI		N
116	7981109	Court Street Dam	11/9/79	C	~.5 SW	Y
117	8603193	Near 10 Court Street	8/13/86	C	~.5 SW	Y
118	9405262	160 Court Street	4/8/94	C	~.4 S	Y
119	9509788	Court Street Dam	11/7/95	C	~.5 SW	Y
120	96099390	Court Street (Xerox Corp.)	10/26/96	C		N

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
121	9614670	South Avenue & Court Street	3/4/97	C	~.4 S	Y
122	9706594	Broad & South Clinton	11/3/87	C	~.3 S	Y
123	8804512	Broad & Clinton	8/22/88	C	~.3 S	Y
124	9111916	East Broad Street	2/19/92	C		N
125	9310795	Clinton & Broad Street	12/3/93	C	~.3 S	Y
126	0070067	28 East Main Street	5/2/00	CI	~.4 SW	Y
127	0070422	444 East Main Street	9/9/00	CI	~.25 SE	Y
128	0160410	Main Street (Old Agway Site)	9/18/01	C		N
129	0270149	488 East Main Street	6/6/02	CI	~.3 E	Y
130	0270193	325 East Main Street	6/24/02	CI	~.1 SE	Y
131	0302206	Main Street Bridge	6/2/03	CI	~.3 SW	Y
132	7980904	Main Street East (RG&E)	9/4/79	C		N
133	8080505	375 East Main Street	5/6/80	C	~.2 SE	Y
134	8080918	Main Street (Tamby Oil Co.)	9/18/80	C		N
135	8080932	Main Street Bridge	9/18/80	C	~.3 SW	Y
136	8383328	550 East Main Street	3/28/83	CI	~.4 E	Y
137	8499946	Main Street Bridge	4/30/84	C	~.3 SW	Y
138	8803163	Main Street Bridge	7/12/88	C	~.3 SW	Y
139	8902893	581-583 East Main Street	6/20/89	C	~.5 E	Y
140	9111798	East Main Street (Pal Oil)	2/15/92	C		N

NYSDEC Spills/Leaking Storage Tank (LST):
(Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
141	9212469	550 East Main Street	2/2/93	C	~.4 E	Y
142	9311748	202 East Main Street	12/31/93	C	~.2 SW	Y
143	9405270	40 East Main & Stillson St.	7/17/94	C	~.2 SE	Y
144	9408654	200 East Main Street	9/28/94	C	~.2 SW	Y
145	9415772	550 East Main Street	1/1/93	CI	~.4 E	Y
146	9502907	252 Main Street	6/7/95	C		N
147	9504502	Main Street & South Avenue	7/13/95	C	~.25 SW	Y
148	9600070	550 East Main Street	5/6/93	CI	~.4 E	Y
149	9870153	East Main St./Chestnut St.	9/8/98	CI	~.2 SE	Y
150	0106753	360 St. Paul Street	9/28/01	CI	~.4 NW	Y
151	7881018	195 St. Paul Blvd.	10/18/78	C	~.25 NW	Y
152	8200806	St. Paul St. (Fort Howard)	8/2/82	C		N
153	8380923	St. Paul (Holiday Inn)	9/23/83	C		N
154	8501560	St. Paul Tunnel Project	6/24/85	C		N
155	8602019	St. Paul (Inner Loop)	6/23/86	C	~.3 NW	Y
156	8602300	St. Paul Tunnel Project	7/8/86	C		N
157	8605260	360 St. Paul Blvd.	11/18/86	C	~.4 NW	Y
158	9102930	360 St. Paul Street	6/13/91	C	~.4 NW	Y
159	9306416	48 St. Paul Blvd.	8/22/93	C	~.2 SE	Y
160	9405363	St. Paul Blvd.	7/17/94	C		N

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
161	9509877	St. Paul Sewer Discharge	11/8/95	CI		N
162	9607906	125 St. Paul Street	9/24/96	C	~.2 W	Y
163	9704410	245 St. Paul Blvd.	7/14/97	CI	~.25 NW	Y
164	9706341	St. Paul Blvd.	8/21/97	CI		N
165	9970160	408 St. Paul Street	6/16/99	C	~.5 NW	Y
166	0270169	228 South Avenue	6/13/02	CI	~.5 S	Y
167	0405719	South Ave. (Lachasse)	8/25/04	C		N
168	9511809	15 South Avenue	12/15/95	CI	~.25 SW	Y
169	9611925	188 South Avenue	1/2/87	CI	~.5 S	Y
170	0070455	128 North Clinton Avenue	10/26/00	CI	~.1 NW	Y
171	0270252	100 North Clinton Avenue	7/26/02	CI	~.1 W	Y
172	0650372	72 North Clinton Avenue	6/8/06	CI	~.1 W	Y
173	8180903	37 Clinton Avenue	9/2/81	C		N
174	8700130	South Clinton Street	4/3/87	C		N
175	8805740	South Clinton Avenue	10/6/88	C		N
176	9002320	Clinton Avenue (VGC Corp.)	5/29/90	C		N
177	9402368	280 North Clinton Avenue	5/15/94	C	~.25 NW	Y
178	9406181	209 North Clinton Avenue	8/1/94	C	~.1 NW	Y
179	9710060	100 Clinton Avenue	11/19/97	CI		N
180	8805959	72 Joseph Avenue	10/14/88	C	~.3 N	Y

NYSDEC Spills/Leaking Storage Tank (LST):
 (Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
181	8912370	Joseph Ave. (LeCesse Bros.)	3/28/90	C		N
182	8603358	185 N. Chestnut Street	8/20/86	C	~.2 NE	Y
183	9401797	130 Chestnut Street	5/5/94	C	~.5 S	Y
184	0652075	112 Hudson Avenue	3/20/07	C	~.5 NE	Y
185	9870403	180 Hudson Avenue	12/21/98	CI	~.5 NE	Y
186	0550003	397 North Street	4/1/05	C	~.5 NE	Y
187	0070143	89 East Avenue	6/1/00	CI	~.25 SE	Y
188	0070559	89 East Avenue	1/10/01	CI	~.25 SE	Y
189	0300228	89 East Avenue	4/7/03	CI	~.25 SE	Y
190	0307239	89 East Avenue	10/9/03	CI	~.25 SE	Y
191	0470079	89 East Avenue	5/20/04	CI	~.25 SE	Y
192	0650465	50 East Avenue	6/29/06	CI	~.2 SE	Y
193	8181221	246 East Avenue	12/21/81	C	~.5 SE	Y
194	8200963	East Avenue (RG&E)	8/31/82	C		N
195	8282831	East Avenue & Main Street	8/31/82	C	~.1 S	Y
196	8382113	East Avenue (RG&E)	1/13/83	CI		N
197	8402767	191 East Avenue	1/16/85	C	~.4 SE	Y
198	8605335	200 East Avenue	11/21/86	C	~.4 SE	Y
199	9601206	200 East Avenue	4/19/96	A	~.4 SE	Y
200	9801260	120 East Avenue	4/21/98	CI	~.3 SE	Y

NYSDEC Spills/Leaking Storage Tank (LST):
(Assessed property and ½ mile radius)

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/Distance	Mappable (Yes/No)
201	9802157	89 East Avenue	5/49/98	A	~.25 SE	Y
202	9808189	89 East Avenue	10/2/98	CI	~.25 SE	Y
203	9970676	89 East Avenue	3/15/00	CI	~.25 SE	Y
204	0270542	64 Scio Street	1/29/03	CI	~.3 SE	Y
205	0650898	62-64 Scio Street	8/31/06	A	~.3 SE	Y
206	9105502	86 Scio Street	8/20/61	CI	~.3 E	Y
207	0170192	123-125 University Avenue	5/1/01	CI	~.3 E	Y
208	0270553	109 University Avenue	2/4/03	C	~.3 E	Y
209	0370555	58 University Avenue	1/4/04	A	~.25 NE	Y
210	7580312	University Ave. (Eldre Corp.)	3/12/75	C		N
211	8382328	Main & University Avenue	3/28/83	CI	~.5 E	Y
212	8710065	University Avenue	2/26/88	C		N
213	909284	200 University Avenue	7/4/90	CI	~.4 E	Y
214	9010223	177 University Avenue	12/20/90	C	~.4 E	Y
215	9104145	20 University Avenue	7/12/91	C	~.2 NE	Y
216	9104369	University Avenue	7/23/91	C		N
217	9113243	University Ave. (Nat.Ambu.)	3/23/92	CI		N
218	9208884	158 University Avenue	10/30/92	C	~.3 E	Y
219	9214364	University Avenue	3/29/93	C		N
220	0485549	Genesee River	2/14/05	C		N



Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Speedy Cleaners- Court Street Site

Site Code: V00001

Program: Voluntary Cleanup Program

Classification: C

EPA ID Number:

Location

DEC Region: 8

Address: Court Street

City: Rochester **Zip:**

County: Monroe

Institutional And Engineering Controls

No Controls Currently at the Site

Site Owner(s)

Site Description:

This property is located adjacent to a 20-story high-rise office tower in the City of Rochester. In connection with construction of the office tower, the City of Rochester acquired the former Speedy's dry cleaner property through eminent domain. During construction of an on-site parking garage, contaminated soils were excavated and disposed of off-site. Soils were contaminated with chlorinated and petroleum-based dry cleaning solvents. A soil venting system was installed adjacent to the parking garage to limit vapor exposures in the basement levels of the garage. The soil removal action was completed in 1996. No further actions are required at this time.

Material Disposed of at Site and Quantity:

Type of Waste	Quantity of Waste
Both (Petro and Haz)	UNKNOWN

Assessment of Environmental Problems:

Soils contaminated with chlorinated and petroleum-based dry cleaning chemicals were excavated to bedrock and disposed off-site. A large parking garage was constructed on the site and a soil venting system was installed adjacent to the garage to limit exposure to residual contamination in the basement levels of the garage. No further actions are required at this time.

Assessment of Health Problems:



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

September 21, 2007

Ms. Jill Andolina
NYS DEC
6274 East Avon-Lima Road
Avon, New York 14414

RE: FOIL REQUEST
JOB NUMBER 3982E-07

Dear Ms. Andolina:

This letter is a Freedom of Information Law request for the following locations:

OWNER/OTHER

PROPERTY

City of Rochester

101-113 Franklin Street;
98 and 106 Pleasant Street
Rochester, NY

Kiplings

“ ”

We would appreciate being informed of any environmental records on the above sites.

If there are any questions or additional information is required, do not hesitate to call. Thank you for your cooperation.

Very truly yours,

Kelly A. Crandall

Map Attached

FR5194



**Application for Access to Records
Freedom of Information Law (FOIL)
Monroe County, New York**

I hereby apply to inspect obtain a copy of the following records:*

Please be specific:

- 1) Aerial photographs (including 1930)
- 2) MSDOH Records
- 3) Local waste sites w/in 1/2 mile

for the following property:

101¹¹³ Franklin Street (f/k/a 51-53 Franklin Square; 59-63, Franklin Square)
 98 Pleasant Street (f/k/a 80-90 Franklin Street)
 106 Pleasant Street (f/k/a 100 Franklin Street)
 Rochester, NY 14604

Name: (please print) Kelly Crandall Signature: Kelly Crandall
 Representing: (if applicable) Day Environmental, Inc. Date: 8/29/07
 Mailing Address: 40 Commercial St. Telephone: (include area code) (585) 454-0210
 City, state, zip code: Rochester, NY 14614 ext. 119

*There is no charge for the inspection of documents; however, if duplication is requested by you, a charge of \$.25 per page is payable to Monroe County.

Notice: You have a right to appeal denial of this application.

Send Request to:
 Monroe County Access Officer
 204 County Office Building • 39 West Main Street • Rochester, New York 14614
 Phone: (585) 753-1080 • fax: (585) 753-1068 • www.monroecounty.gov



Department of Communications
Monroe County, New York

Maggie Brooks
County Executive

John R. Durso Jr.
Director

September 19, 2007

Ms. Kelly Crandall
Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614

RECEIVED
SEP 20 2007

RE: Freedom of Information Request #07-1100

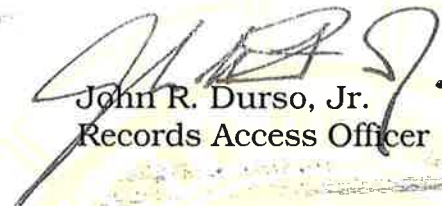
Dear Ms. Crandall:

Your request for information under the Freedom of Information Law (F.O.I.L.) has been partially approved.

Approved as to existing records.

Please remit payment in the amount of \$2.75 (\$.25/page), along with the enclosed invoice, to cover copying expenses. Checks can be made payable to Monroe County and mailed to: Freedom of Information, 39 West Main Street, Room 204, Rochester, New York, 14614.

Sincerely,


John R. Durso, Jr.
Records Access Officer

JRD/bs

DAY ENVIRONMENTAL, INC.

**MONROE COUNTY DEPARTMENT OF HEALTH
INTERVIEW FORM**

Individual Interviewed: Mr. Joseph Albert

Telephone Number: (585) 274-6904

Date of Interview: 9/19/07 Interviewer: K Crandall

Project #: 3982E07 Property Address: 101-113 Franklin street
98 and 106 Pleasant street
Rochester, ny

Notes:

Mr. Joseph Albert indicated that
there were no records regarding
the assessed property on file
at the MCOOH.

Signature: Kelly Crandall



City of Rochester
RECORDS ACCESS APPLICATION

(Please print or type)

8/28/07
 Date
Kelly Crandall
 Print Name
Day Environmental, Inc.
 Representing
(585) 454-0210 (ext. 119)
 Telephone #

40 Commercial Street
 Mailing Address
Rochester, New York 14614
Kelly Crandall
 Signature

I hereby apply to inspect and / or copy the following record(s):

Claim #
E-mail address:

- Bldg. Dept.: 1. Complaints/violations
 2. Permits
 3. Spills, Leaks, environmental issues
- Fire Dept.: 1. Storage tanks
 2. Fire incident reports
 3. Spills, leaks, environmental issues
 4. Hazardous materials

Property Address : 101-1131 Franklin Street
(f/k/a 51-53 Franklin Square)
(59-503 West Franklin Square)
106 Pleasant street (f/k/a 100 Franklin street)
98 Pleasant street (f/k/a 96-90 Franklin street)

Return completed application to:
 Records Access Officer
 Bureau of Communications
 City Hall, 30 Church Street, Room 202A
 Rochester, New York 14614-1287
 or FAX to: (585) 428-7069

There is a 25¢ per page charge for copying most records.
 For more information on public access to records,
 call (585) 428-6066.

FOR AGENCY USE ONLY

- Approved
 Partially Approved
 Denied
 Record not maintained by the City

 Records Access Officer

 Date

FOR APPEAL ONLY

If you wish to appeal the Record Access Officer's decision on your application for public access to records, sign below and send this form within 30 days to:

Corporation Counsel
 City Hall, 30 Church Street, Room 400A
 Rochester, New York 14614-1295

I hereby appeal:

 Signature

 Date

DAY

MEMORANDUM OF TELEPHONE CONVERSATION

PERSON WHO WE CALLED: Joe Fratia
COMPANY OR AGENCY: City of Rochester Access Department
TELEPHONE NUMBER: 428-7406
DATE: 9/18/07 TIME: 1000 ~AM/PM
CALLER: _____ PROJECT: 39828-07
REGARDING: Pleasant st./Franklin st. FOIL response

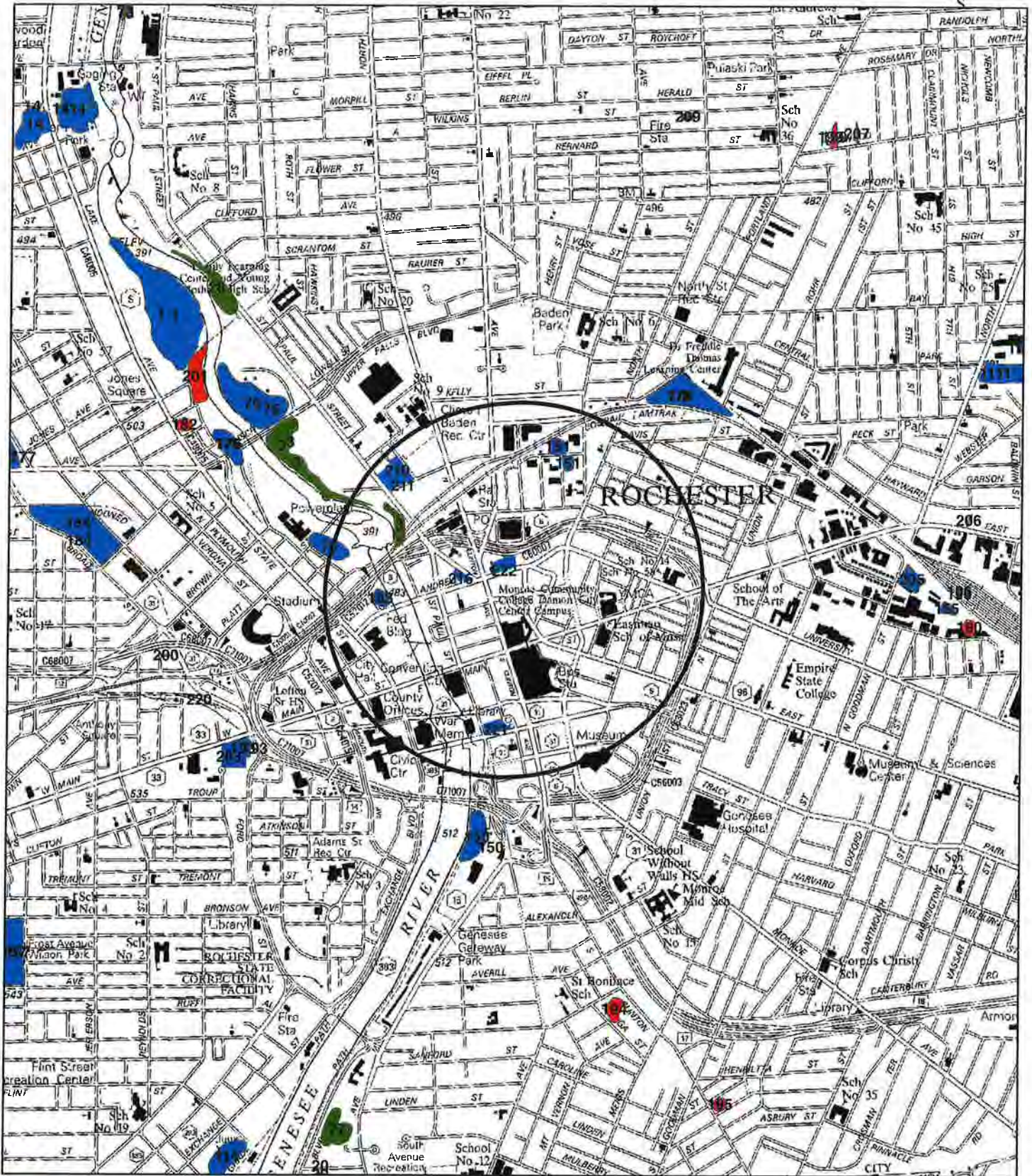
NOTES:

Mr. Fratia indicated that there were no records on file for the assessed property.

ACTION REQUIRED: _____

SUSPENSE DATE: ____/____/____

Re: 98 & 106 Pleasant Street and 101-113 Franklin Street, Rochester



- Confirmed Waste Site
- Inactive Hazardous Waste Site
- Suspected Fill Site



Note: Monroe County does not certify or warrant that this map is accurate or complete. Sites may be added or deleted or boundaries revised as more information becomes available. Site locations may not be exact.

Re: 98 & 106 Pleasant Street and 101-113 Franklin Street, Rochester

<u>Site #</u>	<u>Type of Waste</u>
RO-222	Industrial
RO-221	Dry cleaning chemicals, petroleum NYSDEC Voluntary Cleanup Program Site Code # : V00001
RO-216	Chlorinated organics, NYSDEC Brownfield Cleanup Program Site Code #: C828127
RO-211	Chlorinated solvents, NYSDEC Brownfield Cleanup Program Site Code #: C828136
RO-210	Petroleum, PCE and TCE, NYSDEC Brownfield Cleanup Program Site Code #: C828117
RO-183	Industrial, NYSDEC Voluntary Cleanup Program Site Code # : V00073
RO-151	Construction and Demolition
RO-75	Industrial, NYSDEC Voluntary Cleanup Program Site Code # : V00593

APPENDIX F
INTERVIEW DOCUMENTATION

ASSESSMENT INTERVIEW
GENERAL INFORMATION

Ask the person interviewed to be as specific as reasonably feasible in answering questions, and to answer the questions in good faith and to the extent of their knowledge.

- 1) PERSON INTERVIEWED: Ms. Jane Forbes
- 2) TITLE: City of Rochester Environmental Specialist
- 3) YEARS IN POSITION: nine
- YEARS AT SITE: none
- 4) CURRENT DATE: 9/21/07
- 5) JOB NUMBER: 3982E-07
- 6) PURPOSE OF ASSESSMENT: potential future development
- 7) PROPERTY OWNER: City of Rochester
- 7A) OWNED SINCE: unknown
- 8) PREVIOUS OWNER: unknown
- 8A) OWNED SINCE: ↓
- 9) PROPERTY SIZE: ~0.761 acres
- 10) NUMBER OF PARCELS: 3

11) DO ANY OF THE FOLLOWING EXIST FOR THE ASSESSED PROPERTY? (Building diagrams, plans, maps, photographs, spec. books, commercial appraisals, engineering/environmental reports from investigations)

not aware of any previous reports

12) PRESENT LAND/PROPERTY USE: parking lot

13) PREVIOUS LAND/BUILDING USE: portion of a church

14) Do any of the following exist for the assessed property?

- a. Environmental site assessment/audit reports: no
- b. Environmental permits (i.e., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits): no
- c. Registrations for USTs or ASTs: no
- d. Material safety data sheets: no
- e. Community right-to-know plan: no
- f. Safety plan; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc.: no
- g. Reports regarding hydrogeologic conditions on the property or surrounding area: no
- h. Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property: no
- i. Hazardous waste generator notices or reports: no
- j. Geotechnical studies: no

15) IS THE PROPERTY CURRENTLY USED, OR HAS IT PREVIOUSLY BEEN USED, AS ANY OF THE FOLLOWING: AN INDUSTRIAL OR MANUFACTURING OPERATION, A GASOLINE STATION, A MOTOR REPAIR FACILITY, A COMMERCIAL PRINTING FACILITY, A DRY CLEANERS, A PHOTO-DEVELOPING LABORATORY, A JUNKYARD OR A LANDFILL, OR AS A WASTE TREATMENT, STORAGE, DISPOSAL, PROCESSING OR RECYCLING FACILITY? (YES, NO, UNKNOWN)

no

16) ADJACENT SITES (CURRENT & PAST):

ARE ANY ADJOINING PROPERTIES CURRENTLY USED, OR HAVE THEY PREVIOUSLY BEEN USED AS ANY OF THE FOLLOWING: AN INDUSTRIAL OR MANUFACTURING OPERATION, A GAS STATION, A MOTOR REPAIR FACILITY, A COMMERCIAL PRINTING FACILITY, A DRY CLEANERS, A PHOTO-DEVELOPING LABORATORY, A JUNK YARD OR A LANDFILL, OR AS A WASTE TREATMENT STORAGE, DISPOSAL PROCESSING, OR RECYCLING FACILITY?

no

17) DESCRIPTION OF TOPOGRAPHY & SURFACE DRAINAGE (ANY CREEKS, DITCHES):

generally slopes northeast
with no water bodies

BUILDING(S) INFORMATION

no buildings on site

18) BUILDING(S) AGE/SIZE/LOCATIONS: _____

19) ANY ADDITIONS (AGE/SIZE/LOCATIONS): _____

20) NUMBER OF FLOORS: _____

21) BASEMENT, CRAWLSPACE, ATTIC: _____

22) TYPE OF HEAT: _____

22A) Has the facility ever been heated with oil in the past? _____

22B) IF OIL, ANY TANKS: _____

23) BLDG(S) TIED TO SANITARY SEWER: _____

23A) IF SO, DATE OF CONNECTION: _____

24) WAS FACILITY EVER ON SEPTIC/DRYWELL: _____

24A) IF SO, LOCATION OF LEACHFIELD: _____

24B) HOW OFTEN IS SEPTIC TANK PUMPED OUT: _____

25) ANY FLOOR DRAINS: _____

25A) IF SO, LOCATION(S): _____

25B) CONNECTED TO OIL/WATER SEPARATOR: _____

25C) DISCHARGE POINT(S): _____

26) ANY SUMPS: _____

26A) IF SO, LOCATION/DISCHARGE POINT(S): _____

BUILDING(S) INFORMATION (Cont.)

27) HAVE THERE EVER BEEN ANY FOUL ODORS OBSERVED EMANATING FROM DRAINS, SUMPS, OR OTHER LOCATIONS IN THE BUILDING OR ON THE PROPERTY?

none

28) IS THERE ANY WASTEWATER (OTHER THAN SANITARY) DISCHARGE ON-SITE OR ONTO ADJOINING PROPERTIES?

no

29) IS FACILITY SERVICED BY PUBLIC WATER:

available

30) ANY WELLS ON SITE (CURRENTLY/PAST):

no

Potable water wells, monitoring wells, etc.

30A) IF SO, STILL USED/ACCESSIBLE:

↓

30B) IF SO, LOCATION:

31) INSULATION:

W = Between walls
C = Ceiling
F = Floors

S = Spray On
B = Batting
P = Poured

I = Blown-in
R = Rigid

32) ROOFING MATERIAL (e.g. asphalt shingle, rolled rubber, rolled asphalt paper):

32A) ORIGINAL ROOFING MATERIAL:

BUILDING DEMOLITION

33) ANY BUILDINGS DEMOLISHED? Yes No

possible, no specific knowledge

33A) IF SO, WHEN:

BUILDING SIZE/LOCATION:

OPERATIONS IN BLDG:

MAT. STORED IN BLDG:

BUILDING DEMOLITION (Cont.)

BASEMENT FILLED IN: _____

FLOOR DRAINS/SUMPS: _____

IF SO, DISCHARGE LOCATION: _____

SEPTIC/LEACH FIELD: _____

DEMO. CONTRACTOR: _____

DISPOSAL LOCATION: _____

COMMENTS: _____

SITE HISTORY

34) HAS ANY TYPE OF MATERIAL EVER BEEN FILLED, BURIED OR DUMPED ON OR ADJACENT TO THE PROPERTY: (e.g. clean fill, ash, c/d debris, waste oil for dust suppression, etc.)

no

35) HAS THERE EVER BEEN ANY SIGNIFICANT SOIL STAINING ON THE PROPERTY?

no

36) HAVE ANY SOIL SAMPLING, GROUNDWATER SAMPLING, GEOTECHNICAL, ENGINEERING OR ENVIRONMENTAL INVESTIGATIONS EVER BEEN CONDUCTED ON THE PROPERTY: (If so, when and by whom; is copy of report available)

no

37A) DO YOU KNOW OF ANY PENDING, THREATENED, OR PAST LITIGATION RELEVANT TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE PROPERTY: no

SITE HISTORY (Cont.)

37B) DO YOU KNOW OF ANY PENDING, THREATENED, OR PAST ADMINISTRATIVE PROCEEDINGS RELEVANT TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE PROPERTY: no

37C) DO YOU KNOW OF ANY NOTICES FROM ANY GOVERNMENTAL ENTITY REGARDING ANY POSSIBLE VIOLATION OF ENVIRONMENTAL LAWS OR POSSIBLE LIABILITY RELATING TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE ASSESSED PROPERTY:___

no

37D) HAVE THERE BEEN ANY ENVIRONMENTAL LIENS ON THE SITE, OR IN THE VICINITY OF THE SITE? no

38) DOES THE FACILITY CURRENTLY HAVE, OR HAS IT HAD IN THE PAST, ANY PERMITS (E.G. STATE/FEDERAL AIR, WASTEWATER (SPDES), SURFACE WATER, CONSTRUCTION/DEMOLITION):

no

39) HAS THE FACILITY EVER BEEN THE SUBJECT OF ANY COMPLAINTS OR VIOLATIONS. IF SO, DESCRIBE: no

40) HAS ANY TYPE OF MATERIAL (GREATER THAN 5 GALLONS IN QUANTITY) EVER BEEN SPILLED ON THE PROPERTY OR IN THE BUILDING(S):

no

41) HAVE THERE EVER BEEN ANY ACTIONS RELATING TO THE RELEASE OF A HAZARDOUS SUBSTANCE ON SITE OR ON ADJOINING SITES? _____

unknown

42) HAVE THERE EVER BEEN ANY FIRES AT THE FACILITY. IF SO, DESCRIBE:

no

43) HAVE THERE EVER BEEN ANY PITS, PONDS OR LAGOONS ON THE PROPERTY? IF YES, ARE THESE PITS, PONDS, OR LAGOONS ASSOCIATED WITH WASTE TREATMENT ACTIVITIES, HAZARDOUS SUBSTANCES, OR PETROLEUM PRODUCTS?

no

AGRICULTURAL ACTIVITY

44) HAS THE PROPERTY EVER BEEN FARMED IN LAST TEN YEARS: no

44A) IF SO, CROPS/YEARS: _____

45) HAS THE PROPERTY EVER CONTAINED ORCHARDS: no

45A) IF SO, FRUIT/YEARS: _____

46) HAVE PESTICIDES EVER BEEN USED OR STORED ON THE PROPERTY: no

46A) IF SO, DESCRIBE: _____

47) DOES THE PROPERTY CONTAIN A COMPOST PILE/DUMP OR POND: no

47A) IF SO, LOCATION: _____

TANK & DRUM INFORMATION

no knowledge of tanks

48) ARE THERE NOW, OR HAVE THERE EVER BEEN, ANY STORAGE TANKS AT THE FACILITY (E.G. FUEL OIL, GASOLINE, WASTE OIL, CHEMICALS):

48A) IF YES, PLOT LOCATION(S) ON MAP AND PROVIDE THE FOLLOWING INFO.:

TANK #	LOCATION	SIZE	MATERIAL STORED	DATE INSTALLED	DATE REMOVED

49) HAS THE TANK(S) EVER BEEN PRESSURE TESTED: _____

49A) IF SO, WHEN, BY WHOM, COPY OF RESULTS: _____

50) HAS THE TANK BEEN REGISTERED WITH THE NYSDEC, USEPA, OR LOCAL AGENCY:

TANK & DRUM INFORMATION

51) DOES THE TANK(S) HAVE ANY TYPE OF LEAK DETECTION. IF SO, DESCRIBE:

52) HAVE ANY TANKS EVER BEEN CLOSED IN-PLACE OR REMOVED FROM THE SITE:

(IF YES, REFER TO TANK REMOVAL/CLOSURE FORM)

52A) ARE ANY CLOSURE/REMOVAL REPORTS AVAILABLE FOR REVIEW?

53) HAS ANY CONTAMINATION BEEN IDENTIFIED OR REMEDIATION EVER BEEN REQUIRED REGARDING ANY TANK(S) ON THE PROPERTY:

MATERIALS STORAGE

54) ARE ANY MATERIALS/CHEMICALS STORED ON THE PROPERTY:

none

54A) IF SO, DESCRIBE LOCATION, TYPE OF CHEMICALS, QUANTITIES STORED AND CONTAINERS USED:

54B) IF SO, HAVE ANY CONTAINERS OF MATERIALS EVER LEAKED OR SPILLED:

54C) IF SO, HAS ANY TESTING AND/OR REMEDIATION BEEN REQUIRED FOR LEAKS/SPILLS:

WASTE DISPOSAL
Parking lot and vacant land - no waste generated

55) ARE SOLID WASTES (i.e. paper, rags, filters, etc.) GENERATED FROM OPERATIONS OR ACTIVITIES AT THIS SITE: _____ IF SO:

<u>TYPE OF WASTE</u>	<u>PROCESS/ACTIVITY</u>	<u>STORAGE LOCATION</u>	<u>DISPOSAL COMPANY</u>
----------------------	-------------------------	-------------------------	-------------------------

56) ARE ANY OTHER WASTES MATERIALS (e.g., waste oil, waste paint, waste solvents, medical waste etc.) GENERATED AT THIS FACILITY:

56A) IF SO, PLEASE DESCRIBE:

56B) ARE WASTE MANIFESTS OR ANY OTHER PERMITS/PAPERWORK AVAILABLE (e.g. HAULER, ID#, WASTE TYPE):

--

PCB MATERIALS INFORMATION

57) HAVE PCB MATERIALS EVER BEEN USED AT THE FACILITY (e.g. transformers, volt regulators, capacitors, switches, hydraulic equipment):

no

--

TRANSFORMERS

58) ARE TRANSFORMERS LOCATED ON THE PROPERTY? (INTERIOR OF BUILDING OR ON THE EXTERIOR PORTION OF THE PROPERTY). *no knowledge*

58A) IF SO, LOCATION AND AGE:

--

TRANSFORMERS (cont.)

58B) IF TRANSFORMER, WET/DRY, POLE OR GROUND-MOUNTED:

58C) OWNERSHIP (PRIVATE OR UTILITY):

58D) IF PRIVATE, WHO MAINTAINS:

58E) HAS ANY OF THIS EQUIPMENT EVER BEEN TESTED FOR PCB MATERIAL (if so, when and by whom; results):

58F) HAVE THERE BEEN ANY LEAKS OR SPILLS ASSOCIATED WITH ANY OF THIS EQUIPMENT:

ASBESTOS MATERIALS INFORMATION

Is asbestos being evaluated as part of this assessment?

Yes No

Does the age of the building suggest the presence of asbestos?

Yes No

Has the building been renovated?

Yes No Unknown

59A) ARE ASBESTOS CONTAINING MATERIALS PRESENT IN THE FACILITY (e.g. floor/ceiling tiles, pipe wrap, spray-on):

59B) HAS AN ASBESTOS INSPECTION OR ANY ASBESTOS SAMPLING EVER BEEN CONDUCTED AT THE FACILITY (if so, when and by whom):

ASBESTOS MATERIALS INFORMATION (Cont.)

59C) HAS ANY ASBESTOS EVER BEEN REMOVED FROM THE FACILITY (if so, when and by whom):

LEAD BASED PAINT INFORMATION

Is lead paint being evaluated as part of this assessment?	Yes	<input checked="" type="radio"/> No	
Does the age of the building suggest the presence of lead paint?	Yes	<input type="radio"/> No	
Has the building been renovated?	Yes	<input type="radio"/> No	<input type="radio"/> Unknown

60A) IS LEAD-BASED PAINT PRESENT IN THE FACILITY?

60B) HAS A LEAD-BASED PAINT INSPECTION OR SAMPLING EVER BEEN CONDUCTED AT THE FACILITY (if so, when and by whom):

60C) HAS ANY LEAD PAINT EVER BEEN REMOVED FROM THE FACILITY (if so, when and by whom):

RADON

Is radon being evaluated as part of this assessment?	Yes	<input checked="" type="radio"/> No	
Does the building have a basement?	Yes	<input type="radio"/> No	
Has radon testing ever been conducted?	Yes	<input type="radio"/> No	<input type="radio"/> Unknown

Who completed the sampling: _____

Results of sampling: _____

RADON (Cont.)

Is a copy of the sample results/report available? _____

LEAD-IN-DRINKING WATER

Is lead-in-drinking water being evaluated as part of this assessment? Yes No

Is the property serviced by a private well or public water? Private Well Public Water

Has any testing ever been conducted? Yes No Unknown

Who completed the sampling: _____

Results of sampling: _____

Is a copy of the sample results/report available? _____

MISCELLANEOUS INFORMATION

- The Reason for performing the Phase I ESA? potential
future development
- Any knowledge of documented environmental liens, or activity and use limitations (as documented in title records or otherwise)? no
- Any specialized knowledge or experience with the property that may be pertinent to the environmental professional concerning the property and its environmental condition (i.e., copies of any available prior environmental site assessment reports, documents, correspondence, etc.). ? no
- Any knowledge that the value of the assessed property has been reduced below the value of comparable properties due (at least in part) to environmental conditions associated with the property? no
- Other: none

Additional Information:

no additional information

Interview form completed by:

Printed Name: Kelly Crandall

Signature: Kelly Crandall

DAY ENVIRONMENTAL, INC.

ASSESSOR'S RECORDS

Individual Interviewed/Title: Marie Burgos

Town/City: Assessor's Department

Date of Records Review: 9/5/07 Interviewer: K. Crandall

Project #: 3982E-07 Property Address: 101-113 Franklin Street;
98 and 106 Pleasant Street.

Notes:

SBL #: 106.8-0001-025.1, 106.8-0001-043.2, 106.8-0001-044.1

Property Size: 0.7601-acres total

Owners: City of Rochester

Improvements: parking lot constructed in 1970
(approximately 0.590 acres)

Any Additional Information in the Assessor's Files?:

Serviced by the municipal storm sewer
available - municipal water, gas + electric
utilities

Signature: Kelly Crandall

APPENDIX G

**QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S) AND
ADDITIONAL DAY REPRESENTATIVE (S)**

- EDUCATION** Barnard College, Columbia University, B.A. Environmental Conservation and Management, 1982
Various continuing education courses and seminars in ASTM Environmental Site Assessments, Hazardous Waste Site Investigation, Environmental Regulations and Health & Safety.
- RESPONSIBILITIES** Ms. Quadri has approximately 25 years of professional experience primarily related to projects involving environmental assessment related to due diligence evaluations; hydrogeologic studies; remedial investigations; and evaluations of leaking underground storage tanks. Her experience and sample projects are summarized below:
- 2004-present** **Senior Professional, Phase I ESA Group, Day Environmental, Inc.** In this position, Ms. Quadri is responsible for managing and reviewing Phase I Environmental Assessments for a variety of properties including chemical manufacturers, petroleum storage facilities, commercial properties, rural acreage, and residential developments.
- 1998-2002** **Managed Environmental Risk Analysis Unit of Major U.S. Bank.** In this position, Ms. Quadri was responsible for environmental review/risk analysis of approximately 1,000 properties per year. She reviewed consultant proposals; reviewed Phase I/II Environmental Site Assessment reports; and identified and quantified risks to internal lenders. Additionally, she developed and conducted internal environmental training programs.
- 1982-1998** **Phase I Assessments Throughout New England, New York State, other U.S areas and Canada.** As a Senior Project Manager with environmental consulting firms in Boston, Massachusetts, Buffalo, New York and Erie, Pennsylvania, Ms. Quadri completed 1000+ environmental assessments conducted for the purpose of real estate transactions. These assessments were conducted on a variety of facilities, including apartment buildings, recreational facilities, office buildings, gas stations, dry cleaners, industrial sites, and manufacturing operations.
- Quarry/Concrete Batch Facility, Central Massachusetts.** Managed a comprehensive evaluation of a 320-acre facility which included rock, sand and gravel quarries, concrete batch operations, truck fleet maintenance areas and numerous underground fuel storage tanks. Identified leaking underground storage tanks and documented removal of the tanks. Evaluated the impact of these operations on soil, groundwater and surface water quality. Identified the status of the property with regard to state regulations governing contaminant release sites.
- Former Aircraft Manufacturing Facility, Buffalo, New York.** Managed environmental studies for a national retail developer to facilitate its lease, demolition and development of a portion of the former aircraft manufacturing building. When Phase I studies identified several areas of concern, including drains, underground tanks and filled areas, additional Phase II studies were completed. The studies identified several contaminated areas, which would affect the proposed construction. The data collected allowed allocation of responsibility for environmental remediation, and construction proceeded.

Paint Manufacturing Site, Springfield, Illinois. Managed a hydrogeologic study of site contaminated with paint waste: completed work plans, designed and supervised field exploration program, coordinated with regulatory agencies, analyzed chemical and hydrogeologic data, wrote Remedial Investigation Report. Developed and implemented follow-up study to monitor groundwater treatment system effectiveness.

Remedial Investigation/Feasibility Study, Silresim Superfund Site: Lowell, Massachusetts. Part of project team completing comprehensive studies to evaluate this former chemical recycling facility where past disposal of hazardous and industrial waste resulted in its listing as a federal Superfund site. Work included extensive environmental media sampling, drilling and monitoring well installation. Work completed under direct EPA observation and in accordance with detailed health and safety protocol.

Firearms Manufacturing Facility, Gardner, Massachusetts. Managed an assessment of contaminant releases from this active manufacturing facility. The investigation assessed potential source areas based on detailed site reconnaissance and historical review. A program of test boring/monitoring well installation was completed and soil, groundwater and drains were sampled to evaluate releases of chlorinated volatile organic compounds, oils, cyanide and heavy metals.

EXPERIENCE

Day Environmental, Inc.: April 2005 to present
Years with Other Firms: 7 years

AREAS OF SPECIALIZATION

- Environmental Site Assessment
- Asbestos Inspection

EDUCATION

SUNY College of Environmental Science and Forestry; M.P.S Environmental Science; 2004
University of Rochester; B.S. Environmental Science; 1998

TRAINING

ASTM Standards Course

REGISTRATIONS/AFFILIATIONS

- OSHA Hazardous Waste Site Confined Space Training
- USEPA/NYSDOL Asbestos Inspector Training and Certification
- NYSDOL Asbestos Project Monitor/ Air Sampling Technician Certification

RESPONSIBILITIES AND EXPERIENCE

Phase I Group, Day Environmental, Inc.: Ms. Crandall is responsible for completing Phase I Environmental Site Assessments (ESA) and asbestos building inspections.

Phase II Group, Day Environmental, Inc.: Ms. Crandall is responsible for field activities.

Paradigm Environmental Services, Inc., Rochester, New York: Environmental laboratory experience as an environmental analyst. Conducted extractions and digestions for semi-volatile/ volatile organics and inorganic metals and the analysis of environmental organic, inorganic, and asbestos data.

Chopra Environmental Management, Rochester, New York: Inspected Kodak Park for suspect asbestos containing material and implemented OSHA asbestos regulations, labeled suspect asbestos material following Kodak-OSHA asbestos program. Quantified asbestos containing material and created asbestos database for Kodak.

EXPERIENCE

Day Environmental, Inc: December 2006-present
Years with Other Companies: 14 years

AREAS OF SPECIALIZATION

- Environmental Site Assessment
- Environmental Restoration/Remediation
- Geology

EDUCATION

University of Rochester, B.S. Environmental Science, 1993

REGISTRATIONS/AFFILIATIONS

National Ground Water Association, Principles of Ground Water-Flow, Transportation and Remediation
40-Hour OSHA Personal Protection and Safety Training,
8-Hour OSHA Refresher Training,
Member, New York State Council of Professional Geologists
Member, National Ground Water Association

RESPONSIBILITIES AND PROJECT EXPERIENCE

Mr. Gnage has approximately 14 years of professional experience working on environmental projects as a consultant. Mr. Gnage is responsible for the coordination and completion of Phase II studies and Brownfield projects for both public and private clients. Mr. Gnage's experiences include environmental studies at inactive hazardous waste sites, industrial facilities, Brownfield sites and municipal properties. Some of his representative projects are described below:

Projects completed with other firms:

Site Investigation, Rochester, New York (Geologist): Conducted and coordinated a remedial design investigation of a 5.7 acre parcel, to allow for the development of a Corrective Action Plan which will lead to the successful redevelopment of the site as residential housing. The investigation utilized various methods ranging from geophysical surveys to soil boring and groundwater monitoring well installations.

Site Investigation, Rochester, New York (Geologist): Conducted and coordinated a multi-media phase II site assessment of a 12+ acre industrial parcel. The investigation included: a soil gas survey, industrial sewer inspection, soil and groundwater investigations, sediment and surface water sampling and an asbestos survey.

Site Investigation, Rochester, New York (Geologies): Conducted and coordinated remedial site investigation for a property which was part of the City of Rochester's 2003 Brownfield Assessment Grant from the USEPA. The objective of the investigation was to identify soil and groundwater data gaps, then conduct the required investigative activities to allow for the establishment of appropriate remedial objectives and methods.

Remedial Oversight, Missisaguga, Ontario (Field Engineer): Conducted third party oversight of a \$500,000 (CND) remediation project. Responsible for ensuring proper industry standards were met by project contractor and consultant, and the property owner's interests were protected.

Site Investigation, Monroe County, Greece, New York (Geologist): Coordinated and conducted environmental investigation for 500+ acre property, utilizing various methods.

Water Supply System (Resident Inspector). Responsible for construction oversight during the installation of a \$1.6M water supply system. Responsibilities included conducting biweekly progress meetings; coordinating communications

between the owner (Town), engineer, contractor and water authority; reviewing pay estimates and contract adherence to the project specifications.

Water Supply Wells, Coudersport, Pennsylvania (Field Geologist). Responsible for contractor oversight during the installation and testing of five water supply wells for irrigation systems.

Site Investigation, Syracuse, New York (Geologist); Conducted environmental investigation of 25-acre site using various sampling methods.

Site Investigation, New York State (Geologist); Conducted and coordinated multiple investigations along transportation corridor, involving various environmental investigation methods.

Site Investigation, Rochester, New York (Geologist); Coordinated and conducted soil and groundwater investigation for a marina property along the Genesee River.

Site Investigation, Rochester, New York (Geologist). Coordinated and conducted multi-site soil groundwater investigations for an urban renewal project along old railroad line and the Genesee River.

Remedial Oversight, Rochester, New York (Geologist/Site Representative). Conducted and coordinated site remedial activities to remove petroleum and metals impacted materials along a former canal bed, as part of an urban renewal project.

Site Investigation, Williamson, New York (Geologist). Conducted and coordinated an environmental site investigation for a food processing facility which included soil boring and sampling program, groundwater sampling program, various water and sediment sampling.

Remedial Design, Scottsville, New York (Geologist). Conducted post-remedial groundwater sampling, then designed supplemental remedial action in response to continued groundwater contaminant levels.

Site Investigation, Corning, New York (Field Geologist/Field Supervisor). Responsible for a multi-site environmental investigation involving contractor oversight, and various forms of environmental sampling.

Groundwater Sampling Program, Geneva, New York (Field Geologist). Responsible for the development and implementation of a low stress/low-rate groundwater sampling program.

Installation of Multiple Shallow Bedrock Trenches, Middleport, New York (Field Geologist). Responsible for contractor oversight during the installation of multiple shallow bedrock blast fracture trenches and performed hydrological testing to determine effectiveness of these trenches at a manufacturing facility in Middleport, New York.

Installation of Multiple Bedrock Monitoring Wells, Neshanic Station, New Jersey (Field Geologist). Responsible for installation of multiple bedrock monitoring wells. Performed hydrologic testing to determine aquifer performance and direction of groundwater movement at a former industrial manufacturing facility.

Transportation Planning

Steuben County, Painted Port, New York (Geologist). Drilling inspection during soil boring program conducted on a NYSDEC listed waste site in support of the redesign of the I-86/Rt. 15 Interchange. The borings were installed using both

hollow system augers and drive casing, with the collection of Shelby tubes in very soft materials. The borings were completed to NYSDOT bridge criteria.

Erie County, Niagara Falls, New York (Geologist). Drilling inspections for soil borings for the redesign of NYS Route 62, Utilizing various drilling methods in accordance with NYSDOT protocols.

Bridges

Oswagachie River, Franklin County, Gouverneur, New York (Geologist). Drilling inspection and oversight during soil boring and bedrock cores for bridge foundation design.

NYS Thruway Berkshire Spur, Columbia County, New York (Geologist). Drill rig inspection for soil borings and rock cores for the foundation design of a replacement bridge.

Canaseraga Creek, North Dansville, New York (Geologist). Drill rig inspection for soil borings and rock cores for the design of a replacement bridge and roadway.

Old Penfield Road Bridge over Irondequoit Creek, Rochester, New York (Geologist). Drill rig inspection for soil borings and standard penetration testing for the foundation design of a replacement bridge.

Steel Structure Improvement Project Hunt's Point Avenue Bridge, New York City, New York (Project Coordinator). Performed and coordinated high volume air monitoring and contractor oversight during a steel structure improvement project.

Bridge Project, Corning, New York (Field Geologist). Supervised the installation of multiple deep soil borings and rock cores for a bridge project using multiple drilling methods.

Environmental Assessment

Various Lead Based Paint Surveys, Albany, New York (Project Manager). Various lead based paint surveys utilizing both XRF technologies and paint chip analysis.

Lead Based Paint Survey (Region Project Coordinator). Lead based paint survey of HUD funded housing in various areas (Martin Marietta).

Various Bridge and Tunnel Facilities, New York City, New York (Project Coordinator). Coordinated and performed various forms of lead sampling and remediation oversight.

CERTIFICATION

New York State Department of Health Certified Asbestos Inspector

RESPONSIBILITIES

Phase I Coordinator and Phase I Environmental Site Assessment (Phase I ESA) Assessor. As DAY's Phase I ESA Coordinator, Ms. Miller's duties include being the primary client liaison for Phase I ESA related matters, providing quotes and proposals, preparing reliance letters, providing a non-technical review of Phase I ESA reports prepared by others within the firm, updating regulatory databases and performing regulatory reviews. Ms. Miller currently performs Phase I ESAs in general accordance with ASTM Standard E1527 and Transaction Screens in general accordance with ASTM Standard E1528.

SEMINARS/TRAINING

ASTM Due Diligence Seminar Sponsored by Environmental Data Resources, Inc. (EDR)
Environmental Assessment Association (EAA) Certified Environmental Inspector (CEI) Training
New York State Department of Health 24-hour Asbestos Inspector Training and 4-hour Inspector Refresher Training

EXPERIENCE

Ms. Miller has been employed by DAY since 1990, and has worked in the Phase I ESA Group for over 15 years where she has served as the Phase I ESA Coordinator and an Assessor. As an Assessor, Ms. Miller has completed more than 100 Phase I ESAs.

Representative projects include:

Phase I ESAs:

- A property that formerly contained a municipal vehicle repair garage and a jail.
- A retail sales facility, which was formerly used as a gasoline station.
- A parcel of vacant land that was formerly improved by a tire warehouse, which was destroyed by fire.
- A machine shop located in a rural area, which is serviced by a septic system and a private water well.
- A vacant parcel of land adjoining a Monroe County Confirmed Local Waste Site.
- Three active gasoline stations.
- A facility used for the manufacture and paint finishing of valve actuators.

Transaction Screens:

- A tombstone/monument manufacturing/sand-blasting company.
- A fence manufacturing facility.

APPENDIX H

**PREVIOUS ENVIRONMENTAL REPORTS /
ADDITIONAL DOCUMENTS**

**FRANKLIN STREET AND
PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

Prepared for: City of Rochester
30 Church Street
Rochester, New York 14614

Prepared by: Day Hampton, Associates
2144 Brighton Henrietta Town Line Road
Rochester, New York 14623

Date: December, 1992

DAY HAMPTON, ASSOCIATES

ENGINEERING CONSULTANTS

December 21, 1992

Mr. Mark Gregor
Environmental Specialist
Department of Environmental Services
City of Rochester
30 Church Street
Rochester, New York 14614

RE: Environmental Screening Report
Proposed Downtown Stadium Sites
Franklin Street/North Plymouth Avenue
Rochester, New York

Dear Mr. Gregor:

Enclosed are the Environmental Screening Reports which have been prepared by Day Hampton, Associates for the above-referenced sites. Each of the two proposed sites includes multiple parcels and addresses, as well as a variety of current and former land uses. The Franklin Street site currently includes 31 parcels; the North Plymouth Avenue site currently includes 20 parcels.

The reports include a summarization of pertinent information for each parcel, as well as a description of the potential concerns identified. Former addresses are referenced for parcels where this information is applicable.

The references which have been used to compile the data for the Environmental Screening Reports include the following: a history of property title and deed information prepared by the City of Rochester Office of Maps and Surveys; computerized assessment information maintained by the City of Rochester; historic aerial photographs maintained by the Monroe County Environmental Management Council (MCEMC) and the City of Rochester; historic plat books and Sanborn maps maintained by the City of Rochester; a telephone interview with staff of the Monroe County Department of Health (MCDOH) regarding environmental records maintained for each site; a December 8, 1992 memorandum on underground gasoline storage tanks prepared by the City of Rochester Fire Department; City of Rochester Building Information System permit lists; City of Rochester Building Permits; City of Rochester Fire Department files; the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) records; the United States Environmental Protection Agency (USEPA) federal Underground Storage Tank (UST) records; the NYSDEC Inactive Hazardous Waste Site Registry; the USEPA National Priorities List (NPL); the USEPA Comprehensive Environmental Response, Compensation & Liability Information System (CERCLIS) database; a search for suspected waste sites and

Mr. Mark Gregor
December 21, 1992
Page 2

confirmed local waste sites using data provided by the MCEMC; and a search of the NYSDEC spill reports database. Also included was a visual inspection of each of the sites from public access points. Note, no access was gained to any of the parcels or buildings associated with either site.

Outstanding items which may be addressed as part of the final Environmental Screening Report for the above-referenced sites include: the review of City Directories maintained at Rundel Library; the review of property assessment cards for each parcel (maintained in the City of Rochester Assessor's office); responses to written Freedom of Information Law (FOIL) requests made to the New York State Department of Environmental Conservation and Monroe County Pure Waters; and additional records research pertaining to potential off-site environmental concerns.

Day Hampton, Associates acknowledges the efforts and assistance of personnel at the City of Rochester, the Monroe County Environmental Management Council, the Monroe County Department of Health, and the New York State Department of Environmental Conservation, without whose cooperation the completion of this work product would not have been possible.

If there are questions, please call this office.

Sincerely,
Day Hampton, Associates


David D. Day, P.E.

DDD/kh

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #1

CURRENT ADDRESS: 8 Franklin Court
Rochester, New York 14604

FORMER ADDRESS: 58 Franklin Street

SBL Map #: 106.80-01-38

PARCEL SIZE: 3,254.20 square feet

IMPROVEMENTS: 1,260 square feet
One-Story Building
Date of Construction 1920

CURRENT USE: Staub Cleaners, Inc.

CURRENT OWNER: Benjamin Barnet

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Underground Storage Tanks:** Permits from the City of Rochester Fire Department indicate that up to six underground storage tanks (USTs) were present on this site in the late 1930's. Plat maps and serial photos show a gasoline service station on this parcel since approximately 1926. The 1943 Sanborn map shows three tanks on the parcel. Fire Department records indicate that the on-site tanks were filled with sand in 1961. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with the former UST systems occurred.
- 2) **Grease Pit:** Building Department records indicate that a grease pit was installed at the gasoline service station in 1941. Potential concerns associated with vehicle repair/service include suspect floor drains, sumps, hydraulic lifts, and waste disposal of petroleum and hazardous materials.
- 3) **Existing Fillport & Vent Pipe:** The site visit showed that a fill port and vent pipe are located along the west side of the present building. During an audit of this parcel conducted by Day Engineering for the City of Rochester in May 1992, the present operator of the existing building indicated that a small above ground tank was located in the basement of the building. The basement was reported to have a concrete floor. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with this tank system occurred.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #2

CURRENT ADDRESS: 22 Franklin Court
Rochester, New York 14604

FORMER ADDRESS: 72 Franklin Street

SBL Map #: 106.80-01-40.1

PARCEL SIZE: 7,386.92 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: G. Thomas Slattery

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Prior Use:** Based on information from the 1934 Plat maps and the Sanborn map, this parcel was utilized as a Greyhound bus terminal for approximately 10 years. Due to the use of this property as a bus terminal, the potential exists that underground tanks may have been present at this site during that period. If tanks were present, spills or leaks of petroleum products could have resulted in soil and/or groundwater contamination.
- 2) **Suspect Asbestos Containing Materials:** Building Department records indicate that fire retardant materials were applied within the building in 1965.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #3

CURRENT ADDRESS: 40 Franklin Street
Rochester, New York 14605

FORMER ADDRESS: Not Applicable

SBL Map #: 106.80-01-30

PARCEL SIZE: 33,977.00 square feet

IMPROVEMENTS: 50,660 square feet
Four-story building
Date of Construction 1930

CURRENT USE: Rochester Community Savings Bank and several Asphalt Parking Lots

CURRENT OWNER: Rochester Community Savings Bank

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Underground Storage Tanks:** Sanborn and Plat maps show that the Star Palace Laundry was located on this parcel from approximately 1900 until 1959 when the building was demolished. Permits from the City of Rochester Fire Department indicate that 2,300 gallons of a solvent were stored in this building from, at least 1939 until 1959. The tanks were reportedly removed when the building was demolished. The potential exists for soil and/or groundwater contamination if leaks or spills of solvents associated with the former UST systems occurred.
- 2) **Grease Pit:** Building Department records indicate that a grease pit was installed at this parcel in 1934. The exact location and use of this grease pit is not known at this time. (Note, this information obtained from Building Information System records for permit #105061. See information for 110 Franklin Street.). Potential concerns associated with grease pits include sumps, hydraulic lifts, and waste disposal of petroleum and hazardous materials.
- 3) **Suspect Asbestos Containing Material:** Building Department records indicate that a fire retardant paint was applied to a building on this parcel in May, 1958.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #4

CURRENT ADDRESS:	110 Franklin Street Rochester, New York 14605
FORMER ADDRESS:	68 Franklin Square
SBL Map #:	106.80-01-21
PARCEL SIZE:	12,737.94 square feet
IMPROVEMENTS:	None
CURRENT USE:	Asphalt Parking Lots
CURRENT OWNER:	G. Thomas Slattery

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Underground Storage Tanks:** The 1943 Sanborn map shows that the three USTs were located on this parcel. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with the former UST systems occurred.
- 2) **Grease Pit:** Building Department records indicate that a grease pit was installed at this parcel in 1934. The exact location and use of this grease pit is not known at this time. (Note, this information obtained from the actual building permit #105061. See information for 40 Franklin Street.). Potential concerns associated with grease pits include sumps, hydraulic lifts, and waste disposal of petroleum and hazardous materials.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #5

CURRENT ADDRESS: 120 Franklin Street
Rochester, New York 14605

FORMER ADDRESS: 72 Franklin Square

SBL Map #: 106.80-01-22

PARCEL SIZE: 3,464.23 square feet

IMPROVEMENTS: 3,816 square feet
Two-Story Building
Date of Construction 1900

CURRENT USE: Office Building

CURRENT OWNER: Robert J. and Kathryn Burke

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Fill Port and Vent Pipe:** The site visit showed that a fill port and vent pipe are located along the southern side of the present building. Although no evidence of oil spillage was noted during the site visit, snow cover prevented the thorough observation of the area. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with this tank system occurred.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #6

CURRENT ADDRESS: 124 Franklin Street
Rochester, New York 14605

FORMER ADDRESS: 78 Franklin Square

SBL Map #: 106.80-01-23

PARCEL SIZE: 3,570.94 square feet

IMPROVEMENTS: None

CURRENT USE: Parking Area

CURRENT OWNER: G. Thomas Slattery

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Underground Storage Tanks:** Fire Department records indicate that up to six USTs and two pumps were located at this parcel from the late 1930's until 1953 when the tanks were closed by filling with water. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with the former UST systems occurred.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #7

CURRENT ADDRESS: 132-140 Franklin Street
Rochester, New York 14605

FORMER ADDRESS: 82-84 Franklin Square

SBL Map #: 106.80-01-07

PARCEL SIZE: 3,431.88 square feet

IMPROVEMENTS: 11,800 square feet
Three-Story Building
Date of Construction 1910

CURRENT USE: Office Building

CURRENT OWNER: Constantine Stefanou

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Fill Port and Vent Pipe:** The site visit showed that a fill port and vent pipe are located along the northern side of the present building. Although no evidence of oil spillage was noted during the site visit, snow cover prevented the thorough observation of the area. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with this tank system occurred.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #8

CURRENT ADDRESS: 107-115 Liberty Pole Way
Rochester, New York 14604

FORMER ADDRESS: 105-115 North Street

SBL Map #: 106.80-01-15.1

PARCEL SIZE: 17,237.20 square feet

IMPROVEMENTS: 23,562 square feet
Three-Story Building
Date of Construction 1900

CURRENT USE: Office Building

CURRENT OWNER: Tim N. Tompkins

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Underground Storage Tanks:** Fire Department records indicate that three USTs and two pumps were located at this property in 1940's. Sanborn map shows two USTs were located on this parcel. There is no record of removal in Fire Department records. Building Department records indicate that an additional 1-1,000 gallon UST was installed in June, 1950; and maintenance was conducted on 1-550 gallon UST and pump in August, 1971. Building Department records indicate the removal of 1-1,000 gallon UST, 2-550 gallon USTs, and 2 pumps in October, 1977. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with the former UST systems occurred.

- 2) **Prior Use:** Current Building Department assessment records indicate the presence of a body shop on the property. Potential concerns associated with vehicle repair/service include suspect floor drains, sumps, hydraulic lifts, and waste disposal of petroleum and hazardous materials.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #9

CURRENT ADDRESS:	127-145 Liberty Pole Way Rochester, New York 14604
FORMER ADDRESS:	401 Andrews Street
SBL Map #:	106.80-01-13
PARCEL SIZE:	7,249.98 square feet
IMPROVEMENTS:	25,416 square feet Three-Story Building Date of Construction 1920
CURRENT USE:	Office/Commercial Building
CURRENT OWNER:	Michael and Lois Scarfia

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Suspect Asbestos Containing Materials:** Building Department records indicate that fire retardant materials were applied to a building on this parcel in 1965.
- 2) **Property Use:** This parcel was issued a Fire Department permit to handle "Highly Toxic Chemicals", and was issued a flammable liquid storage permit. The potential exists that improper disposal of these toxic and/or flammable chemicals may have taken place at this site.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #10

CURRENT ADDRESS: 159 Liberty Pole Way
Rochester, New York 14604

FORMER ADDRESS: 389 Andrews Street

SBL Map #: 106.80-01-11

PARCEL SIZE: 5,086.31 square feet

IMPROVEMENTS: None

CURRENT USE: Parking Area

CURRENT OWNER: Rosemarie Caulfield

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Property Use:** During site visit, six 55-gallon drums were discovered along the western property line. Due to the proximity of the drums to the property line, it is possible that the drums are actually located on the 167 Liberty Pole Way parcel. The drums were basically empty with a limited amount of residual product. Also, a pile of construction & demolition debris (C&D) material was located along the southern property line. Due to snow cover, it was not possible to determine whether discolored soils were present in these areas. The potential exists that improper disposal of solid and/or hazardous wastes may have taken place at this site.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #11

CURRENT ADDRESS: 167 Liberty Pole Way
Rochester, New York 14604

FORMER ADDRESS: 381-385 Andrews Street

SBL Map #: 106.80-01-10

PARCEL SIZE: 12,743.50 square feet

IMPROVEMENTS: 5,922 square feet
One-Story Building
Date of Construction 1950

CURRENT USE: Apartment Building

CURRENT OWNER: John E. Van Dussen

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Underground Storage Tanks:** Fire Department records indicate that two USTs and two pumps were located at this parcel from the late 1930's until 1944 when the tanks and pumps were removed. Building Department records indicate the removal of one 550-gallon UST in December, 1990. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with the former UST systems occurred.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #12

CURRENT ADDRESS: 331 Andrews Street
Rochester, New York 14604

FORMER ADDRESS: Not Applicable

SBL Map #: 106.80-01-04

PARCEL SIZE: 4,389.41 square feet

IMPROVEMENTS: 4,266 square feet
Two-Story Building
Date of Construction 1850

CURRENT USE: Office Building

CURRENT OWNER: G. Thomas Slattery

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Fill Port and Vent Pipe:** The site visit showed that two fill ports and vent pipes are located along the western and eastern sides of the present building. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with these tank systems occurred.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #13

CURRENT ADDRESS: 339 Andrews Street
Rochester, New York 14604

FORMER ADDRESS: Not Applicable

SBL Map #: 106.80-01-05

PARCEL SIZE: 7,375.23 square feet

IMPROVEMENTS: None

CURRENT USE: Parking Area

CURRENT OWNER: Sam and Ida Cherovsky

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Prior Use:** According to the 1943 Sanborn map, an auto repair and welding shop was located on this parcel. Potential concerns associated with vehicle repair/service include suspect floor drains, sumps, hydraulic lifts, and waste disposal of petroleum and hazardous materials.

FRANKLIN STREET AND PLEASANT AVENUE SITE ENVIRONMENTAL SCREENING REPORT

PROPERTY #14

CURRENT ADDRESS: 343 Andrews Street
Rochester, New York 14604

FORMER ADDRESS: Not Applicable

SBL Map #: 106.80-01-06

PARCEL SIZE: 10,645.81 square feet

IMPROVEMENTS: None

CURRENT USE: Parking Area

CURRENT OWNER: Sam and Ida Cherovsky

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

- 1) **Underground Storage Tanks:** Fire Department records indicate that up to six USTs and two pumps were located at this parcel from the late 1930's until 1945. The 1943 Sanborn map shows one UST on this parcel. Based on Fire Department records, the USTs were filled with water in 1945. The potential exists for soil and/or groundwater contamination if leaks or spills of petroleum products associated with the former UST systems occurred.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #15

CURRENT ADDRESS: 16 Franklin Court
Rochester, New York 14604

SBL Map #: 106.80-01-39

PARCEL SIZE: 3,329.44 square feet

IMPROVEMENTS: 2,100 square feet
One-Story Building
Date of Construction 1948

CURRENT USE: Vacant

CURRENT OWNER: Kenneth Fosco & Eugene Garland

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #16

CURRENT ADDRESS: 30 Franklin Court
Rochester, New York 14604

SBL Map #: 106.80-01-41.3

PARCEL SIZE: 9159.06 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: G. Thomas Slattery

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #17

CURRENT ADDRESS: 84 Franklin Street
Rochester, New York 14605

SBL Map #: 106.80-01-29.1

PARCEL SIZE: 3,792.03 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: Rochester Community Savings Bank

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #18

CURRENT ADDRESS: 98 Pleasant Street
Rochester, New York 14604

SBL Map #: 106.80-01-43.2

PARCEL SIZE: 931.39 square feet

IMPROVEMENTS: None

CURRENT USE: Vacant Land

CURRENT OWNER: City of Rochester

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #19

CURRENT ADDRESS: 90 Pleasant Street
Rochester, New York 14605

SBL Map #: 106.80-01-28.1

PARCEL SIZE: 1,402.23 square feet

IMPROVEMENTS: None

CURRENT USE: Parking Lot/Vacant Land

CURRENT OWNER: City of Rochester

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #20

CURRENT ADDRESS: 101 Franklin Street
Rochester, New York 14604

SBL Map #: 106.80-01-27.1

PARCEL SIZE: 5,718.69 square feet

IMPROVEMENTS: None

CURRENT USE: Parking Lot

CURRENT OWNER: City of Rochester

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #21

CURRENT ADDRESS: 102 Franklin Street
Rochester, New York 14604

SBL Map #: 106.80-01-20.2

PARCEL SIZE: 4,903.34 square feet

IMPROVEMENTS: None

CURRENT USE: Parking Lot

CURRENT OWNER: City of Rochester

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #22

CURRENT ADDRESS: 106 Pleasant Street
Rochester, New York 14604

SBL Map #: 106.80-01-44.1

PARCEL SIZE: 6,595.95 square feet

IMPROVEMENTS: None

CURRENT USE: Vacant Land

CURRENT OWNER: City of Rochester

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #23

CURRENT ADDRESS: 107 Franklin Street
Rochester, New York 14604

SBL Map #: 106.80-01-26.1

PARCEL SIZE: 9,441.78 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: City of Rochester

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #24

CURRENT ADDRESS: 115 Franklin Street
Rochester, New York 14605

SBL Map #: 106.80-01-25

PARCEL SIZE: 9,046.83 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: City of Rochester

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #25

CURRENT ADDRESS: 119 Franklin Street
Rochester, New York 14605

SBL Map #: 106.80-01-24

PARCEL SIZE: 1,258.34 square feet

IMPROVEMENTS: 1,000 square feet
One-Story Building
Date of Construction 1952

CURRENT USE: Office/Commercial Building

CURRENT OWNER: John Greathead and Barb Smith

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #26

CURRENT ADDRESS: 117-125 Liberty Pole Way
Rochester, New York 14604

SBL Map #: 106.80-01-14

PARCEL SIZE: 7,914.00 square feet

IMPROVEMENTS: 24,209 square feet
Three-Story Building
Date of Construction 1920

CURRENT USE: Office/Commercial Building

CURRENT OWNER: Q-B Enterprises, Inc.

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #27

CURRENT ADDRESS: 153 Liberty Pole Way
Rochester, New York 14604

SBL Map #: 106.80-01-12

PARCEL SIZE: 5,439.83 square feet

IMPROVEMENTS: 4,299 square feet
Two-Story Building
Date of Construction 1900

CURRENT USE: Office/Commercial Building

CURRENT OWNER: Renee Lippa

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #28

CURRENT ADDRESS: 317 Andrews Street
Rochester, New York 14604

SBL Map #: 106.80-01-02

PARCEL SIZE: 7,660.25 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: Sam and Ida Cherovsky

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #29

CURRENT ADDRESS: 325 Andrews Street
Rochester, New York 14604

SBL Map #: 106.80-01-03

PARCEL SIZE: 6,642.52 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: Sam and Ida Cherovsky

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #30

CURRENT ADDRESS: 363 Andrews Street
Rochester, New York 14604

SBL Map #: 106.80-01-08

PARCEL SIZE: 3,605.13 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: Rosemarie Caulfield

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**FRANKLIN STREET AND PLEASANT AVENUE SITE
ENVIRONMENTAL SCREENING REPORT**

PROPERTY #31

CURRENT ADDRESS: 371 Andrews Street
Rochester, New York 14604

SBL Map #: 106.80-01-09

PARCEL SIZE: 3,263.80 square feet

IMPROVEMENTS: None

CURRENT USE: Asphalt Parking Lot

CURRENT OWNER: Rosemarie Caulfield

SUMMARY OF POTENTIAL ENVIRONMENTAL CONCERNS

Based on the information reviewed to date, environmental concerns were not identified.

**SUMMARY OF
POTENTIAL ON-SITE ENVIRONMENTAL CONCERNS**

**FRANKLIN STREET AND PLEASANT AVENUE SITE
CITY OF ROCHESTER**

**POTENTIAL ON-SITE ENVIRONMENTAL CONCERNS
December 21, 1992**

Current Address	Former Address	SBL Map No.	Owner(s)	Potential Environmental Concern(s)
8 Franklin Court	58 Franklin Street	106.80-01-38	Benjamin Barnett	<p>1) Fire Department records indicate that up to six underground storage tanks (USTs) and two pumps were located at this property from the late 1930's until 1961 when the tanks were filled with sand. Plat maps and aerial photos show a gasoline service station on this parcel since approximately 1926. The 1943 Sanborn map shows three USTs at the property.</p> <p>2) Grease pit installed at gas station in 1941.</p> <p>3) Site visit showed that a fill port and vent pipe are located along west side of the present building.</p>
22 Franklin Court	72 Franklin Street	106.80-01-40.1	G. Thomas Slattery	<p>1) Sanborn map and 1934 Plat map showed that a Greyhound Bus Depot was located on this property. Potential exists that underground oil storage tanks are located on the property. There is no confirmation of underground storage tanks at this property from Fire Department and Building Department records, or from Sanborn or Plat maps.</p> <p>2) The application of fire retardant chemicals indicated by Building Department records.</p>

40 Franklin Street	Unchanged	106.80-01-30	Rochester Community Savings Bank	<p>1) Sanborn and Plat maps show that the Star Palace Laundry was located on this parcel from approximately 1900 until 1959 when the building was demolished. Fire Department records indicate that 2,300 gallons of solvents were stored in this building. Tanks were reportedly removed when the building was demolished.</p> <p>2) Building Department records indicate that a grease pit was installed in the ground in 1934. (Note, this information obtained from Building Information System records for permit #105061. See information for 110 Franklin Street.)</p> <p>3) Building Department records indicate that fire retardant paint was applied in May, 1958.</p>
110 Franklin Street	68 Franklin Square	106.80-01-21	G. Thomas Slattery	<p>1) Sanborn map shows three USTs at the property. Fire Department records do not confirm the presence of USTs on this parcel.</p> <p>2) Building Department records indicate that a grease pit was installed in the ground in 1934. (Note, this information obtained from the actual building permit #105061. See information for 40 Franklin Street.)</p>
120 Franklin Street	72 Franklin Square	106.80-01-22	Robert J. & Kathryn Burke	<p>1) Site visit showed that a fill port and vent pipe are located along southern side of the present building</p>
124 Franklin Street	78 Franklin Square	106.80-01-23	G. Thomas Slattery	<p>1) Fire Department records indicate that six USTs and two pumps were located at this property from the late 1930's until 1953, when the tanks were filled with water. The presence and location of these USTs were not confirmed in either Plat books, Sanborn maps, or aerial photographs.</p>

132-140 Franklin Street	82-84 Franklin Square	106.80-01-07	Constantine Stefanou	<p>1) Site visit showed that a fill port and vent pipe were located along the northern side of the present building.</p>
107-115 Liberty Pole Way	105-115 North Street	106.80-01-15.1	Tim Tompkins	<p>1) Fire Department records indicate that three USTs and two pumps were located at this property in 1940's. Sanborn map shows two USTs at property. There is no record of removal in Fire Department records. Building Department records indicate that 1-1,000 gallon UST was installed in June, 1950; and maintenance was conducted on 1-550 gallon UST and pump in August, 1971. Building Department records indicate the removal of 1-1,000 gallon UST, 2-550 gallon USTs, and 2 pumps in October, 1977.</p> <p>2) Current Building Department assessment records indicate the presence of a body shop on the property.</p>
127-145 Liberty Pole Way	401 Andrews Street	106.80-01-13	Michael & Lois Scarfia	<p>1) The application of fire retardant chemicals indicated by Building Department records.</p> <p>2) A tenant at this property was issued a Fire Department permit in 1989 to handle "Highly Toxic Chemicals", and was issued a flammable liquid storage permit.</p>
159 Liberty Pole Way	389 Andrews Street	106.80-01-11	Rosemarie Caufield	<p>1) During site visit, six 55-gallon drums were discovered along the western property line. The drums were basically empty with a limited amount of residual product. Also, a pile of C&D material was located along the southern property line. Due to snow cover, it was not possible to determine whether discolored soils were present in these areas.</p>

167 Liberty Pole Way	381-385 Andrews Street	106.80-01-10	John VanDussen	<p>1) Fire Department records indicate that two USTs and two pumps were located at this property in the late 1930's and were removed in 1944.</p> <p>2) Building Department records indicate the removal of 1-550 gallon UST in December, 1990.</p>
331 Andrews Street	Unchanged	106.80-01-04	G. Thomas Slattery	1) Site visit showed that two fill ports and vent pipes are located along western and eastern sides of the present building
339 Andrews Street	Unchanged	106.80-01-05	Sam & Ida Cherovsky	1) Auto repair and welding shop shown on 1943 Sanborn map. There is no confirmation of underground storage tanks or other disposal problems at this property from Fire Department and Building Department records, or from Sanborn or Plat maps.
343 Andrews Street	Unchanged	106.80-01-06	Sam & Ida Cherovsky	1) Fire Department records indicate that six USTs were located at this property in 1940's. Sanborn map shows one UST at property. Fire Department records indicate USTs filled with water in 1945.

**SUMMARY OF
POTENTIAL OFF-SITE ENVIRONMENTAL CONCERNS**

**FRANKLIN STREET AND PLEASANT AVENUE SITE
CITY OF ROCHESTER**

**POTENTIAL OFF-SITE ENVIRONMENTAL CONCERNS
December 21, 1992**

Number	Current Address	Former Address	SBL No.	Owner(s)	Potential Environmental Concern(s)
OS-1	NIO	69-71 Franklin Street	NIO	NIO	1) 1926 and 1934 Plat maps showed that an RG&E power plant was located across the street from what is now 8 Franklin Court.
OS-2	NIO	NIO	NIO	NIO	1) 1934 Plat map and the Sanborn map showed that Secony-Vacuum Co. had a facility at the corner of what is now Andrews St. and North Street. Two USTs are shown on the 1943 Sanborn map.
OS-3	304-308 Andrews Street	NIO	NIO	NIO	1) The NYS DEC has several spill records in 1986 for discharges from this facility. NYSDOH had records that a former employee had informed the agencies that dry cleaning materials were illegally disposed at the 304 - 308 Andrews Street property in August, 1986. The NYSDEC investigated.
OS-4	168 Liberty Pole Way	NIO	NIO	NIO	1) The NYS DEC and the Fire Department have a record of a December, 1990 leaking oil storage tank located at this property.
OS-5	NIO	75-111 Franklin Street	NIO	NIO	1) Two parking lots and a garage were located along the west side of what is now Franklin Court. Potential exists for underground oil storage.
OS-6	NIO	NIO	NIO	NIO	1) Atlantic gas station was located at the corner of what is now Andrews Street and Franklin Square.

OS-7	NIO	NIO	NIO	NIO	NIO	1) Parking area located along the north side of Andrews Street.
OS-8	NIO	320 Andrews Street	NIO	NIO	NIO	1) Morrison Press located along the north side of Andrews Street.
OS-9	430 Andrews Street	NIO	NIO	NIO	NIO	1) NYS DEC has a record of a spill at 430 Andrews Street.
OS-10	NIO	94 & 96 North Street	NIO	NIO	NIO	East side of Liberty Pole Way - 1918 Plat map showed the location of Heiber Motor Company.

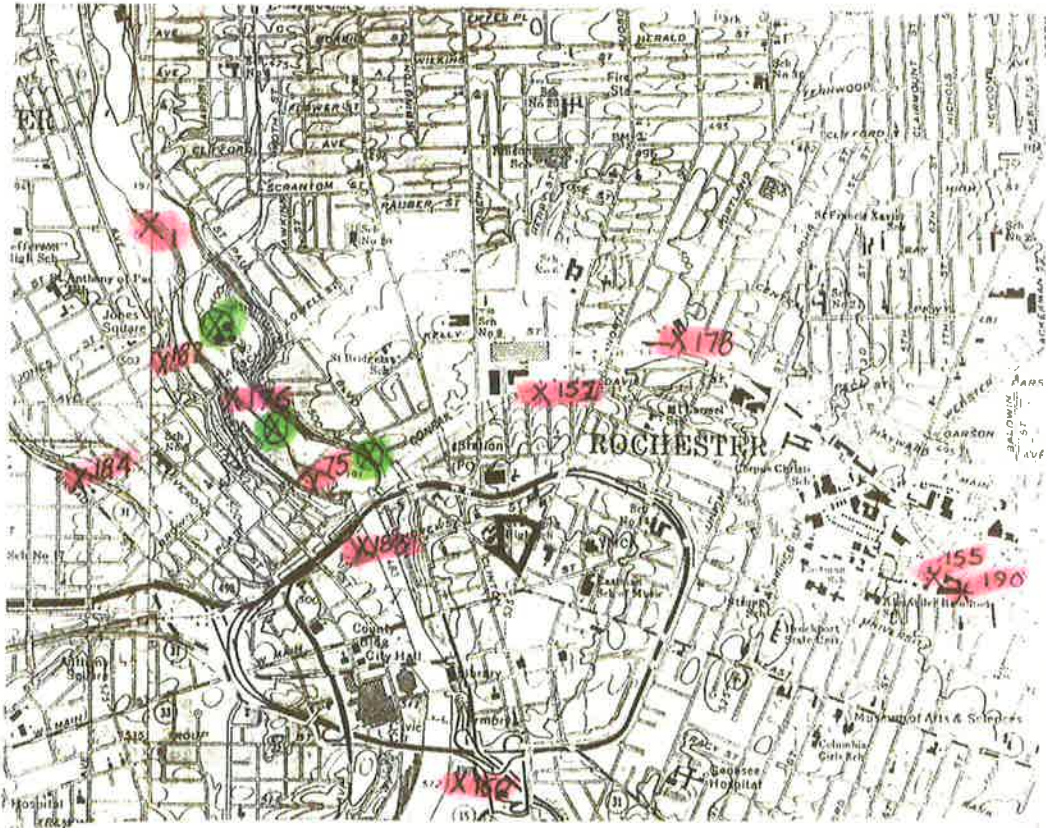
NIO - No Information Obtained

BASE MAP

OVERSIZED MAP NOT INCLUDED IN PDF

LOCAL WASTE SITE MAPS

FRANKLIN STREET AND PLEASANT AVENUE SITE



LEGEND:



Confirmed Local Waste Site ID#

Listed Waste Type

RO1	Ash
RO75	Industrial
RO150	C/D
RO151	C/D
RO155	C/D
RO176	C/D
RO178	Scrap Material
RO182	Industrial
RO183	Industrial
RO184	Industrial
RO190	Industrial



Suspected Local Waste Sites (3)

REFERENCES

<u>INFORMATION REVIEWED</u>	<u>SOURCE OF INFORMATION</u>
1. Title & Deed History	Office of Maps & Surveys City of Rochester
2. Assessment Information	Department of Finance City of Rochester
3. Aerial Photographs	Monroe County Environmental Management Council (MCEMC): 1930, 1951, 1961, 1970, 1976, 1988. Office of Maps & Surveys City of Rochester: Various years
4. Plat Books	Office of Maps & Surveys City of Rochester: 1875, 1888, 1910, 1926, 1935
5. Sanborn Maps	Department of Community Development City of Rochester: 1961
6. Monroe County Department of Health Telephone Interview	Edward Yurkstas
7. Underground Storage Tank Records	December 8, 1992 Memorandum RE: Underground Gasoline Storage Tanks, prepared by the City of Rochester Fire Department; City of Rochester Building Department Records; City of Rochester Fire Department Records; Sanborn Map, 1961; NYSDEC Petroleum Bulk Storage Records; USEPA Underground Storage Tank Records.

REFERENCES (Cont.)

- | | | |
|-----|---|--|
| 8. | Building Information System Permit List | Department of Community Development
City of Rochester |
| 9. | Building Permits | Department of Community Development
City of Rochester |
| 10. | Fire Department Records | Fire Safety Division
City of Rochester |
| 11. | Waste Sites | NYSDEC Inactive Hazardous Waste Registry List;
USEPA National Priorities List;
USEPA CERCLIS List;
Local List (MCEMC) |
| 12. | Spill Reports | NYSDEC Spills Database |



APPENDIX 3

**Wood Environment & Infrastructure Solutions, Inc.,
Geophysical Survey Results**



January 10, 2019

Jeffrey A. Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 146064

Transmitted via email to: Jeff Danzinger <JDanzinger@daymail.net>

Dear Mr. Danzinger:

Re: Geophysical Survey Results, 101-113 Franklin St and 106 Pleasant St, Rochester, NY

1.0 INTRODUCTION

This letter report presents the results of the geophysical investigation performed for Day Environmental, Inc. (DAY) in support of their environmental investigation of a property located at 101-113 Franklin St and 106 Pleasant St in Rochester, NY (the Site). We understand that historical information suggests the possibility that underground storage tank(s) (USTs) may exist on the property. The primary purpose of the investigation was to explore for anomalies indicative of (UST's).

Wood Environment & Infrastructure Solutions, Inc. (Wood E&IS) performed data acquisition on December 9, 2018. The geophysical investigation was designed to geophysically characterize the subsurface and focus a follow-up intrusive investigation, if warranted. The information provided herein is intended to assist DAY with their assessment of potential environmental concerns at the Site.

2.0 METHODOLOGY

A reference grid was installed at the Site to facilitate data acquisition along parallel survey lines spaced 3 feet apart (5 ft in vegetated area). The grid was marked with orange and white spray paint with select coordinates labeled to aid in the reoccupation of stations if necessary. Grid coordinate 300N,300E was established at the southwest corner of the building bounding the Site to the north. The grid was marked with orange and white spray paint (pavement area) and wire pin flags (vegetated area). Select coordinates were labeled to aid in the reoccupation of stations if necessary.

Time Domain Electromagnetic Survey Methodology (EM61)

The Geonics EM61 was used to map the distribution of buried metals at the Site. The EM61 unit is a high sensitivity, high resolution time domain electromagnetic (TDEM) metal detector that can detect both ferrous and nonferrous metallic objects. It has an approximate investigation

depth of 10 feet. The processing console is contained in a backpack worn by the operator which is interfaced to a digital data logger. The transmitter and two receiver coils are located on a two-wheeled cart that is pulled by the operator.

The device's transmitter coil generates a pulsed primary EM field at a rate of 150 pulses per second, inducing eddy currents into the subsurface. The decay rates of these eddy currents are measured by two, 3.28 foot by 1.64 foot (1 meter by ½ meter) rectangular receiver coils. By taking the measurements at a relatively long time frame after termination of the primary pulse, the response is practically independent of the survey area's terrain conductivity. Specifically, the decay rates of the eddy currents are much longer for metals than for normal soils allowing the discrimination of the two.



EM61 in use (Photo not from this site)

Data are collected from the EM61's two receiver coils. One of the receiver coils is located coincident to the transmitter coil. The other receiver coil is located 1.31 feet (0.4 meters) above the transmitter coil. Data from the top receiver coil are stored on Channel 1 of a digital data logger. Data from the bottom receiver coil are stored on Channel 2 of the data logger. Channel 1 and Channel 2 data are simultaneously recorded at each station location. The instrument responses are recorded in units of milliVolts (mV). Data were recorded digitally by a data logger at a rate of approximately 2 measurements per foot along the survey lines which were spaced 3 and 5 feet apart.

3.0 RESULTS

The EM61 data for the Site are shown in Figure 1. These data were subsequently overlaid onto a historic Sanborne map by DAY and the resulting figure is presented in Figure 2. Areas suspected to be free of buried metals are shown as color shades of blue. All areas exhibiting a response greater than background (0 to 30 mVolts) likely contain buried metals. Interpreted



Jeffrey A. Danzinger
Day Environmental, Inc.
January 10, 2019
Page 3

linear anomalies are identified with dashed red lines on the figures. Surface features encountered during the survey are noted.

Three (3) anomalies labelled **A**, **B** and **C** are identified as potential UST anomalies. None of these anomalies correspond with the location of the three Sanborn mapped USTs believed to be historically located in the northeast portion of the survey area (See Figure 2). Anomalies A, B and C may be related to USTs or miscellaneous buried metals.

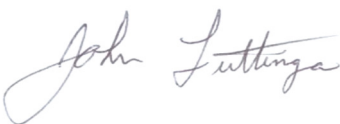
Any of the additional above background responses may be significant from an environmental perspective and these data are best used to guide/focus a subsequent intrusive investigation if deemed warranted.

4.0 LIMITATIONS

The geophysical methods used during this survey are established, indirect techniques for non-destructive subsurface reconnaissance exploration. As these instruments utilize indirect methods, they are subject to inherent limitations and ambiguities. Metallic surface features (electrical wires, scrap metal, etc.) preclude reliable non-invasive data/results beneath, and in the immediate vicinity of, the surface features. Targets such as buried drums, buried tanks, conduits, etc. are detectable only if they produce recognizable anomalies or patterns against the background geophysical data collected. As with any remote sensing technique, the anomalies identified during a geophysical survey should be further investigated by other techniques such as historical aerial photography, test pit excavation and/or test boring, if warranted.

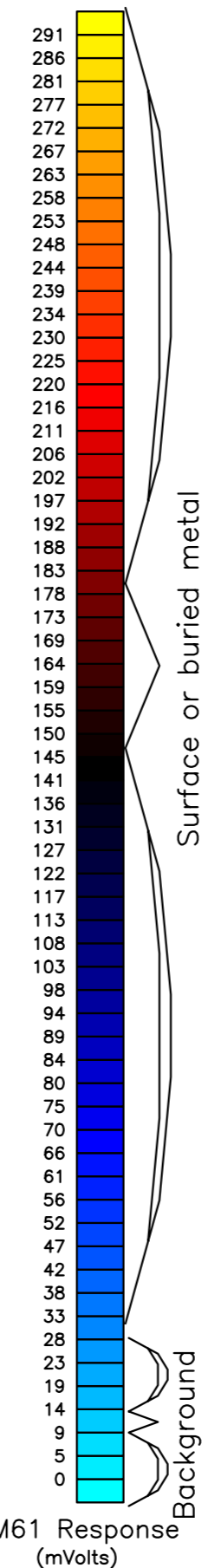
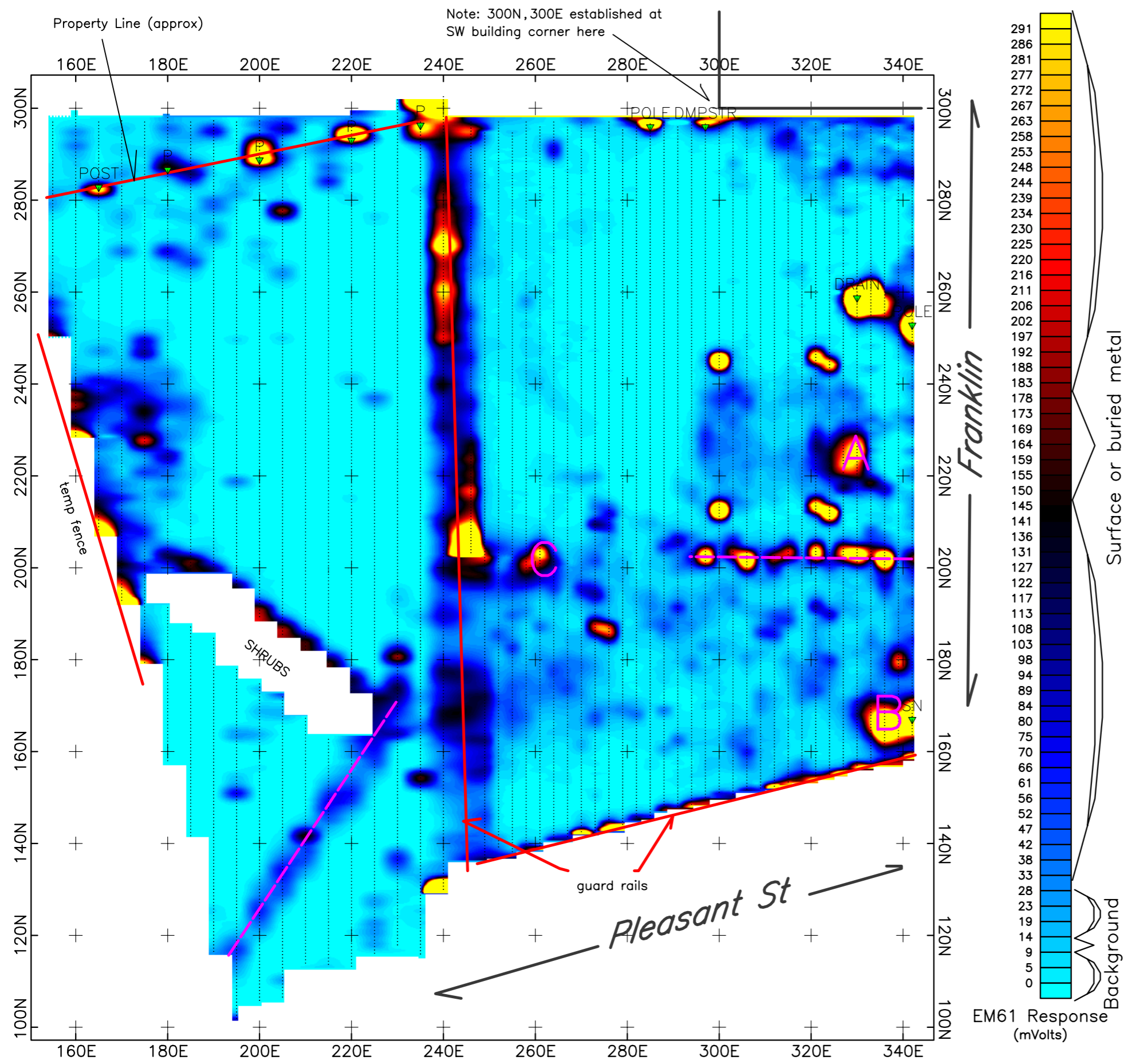
Please do not hesitate to contact us if you have any questions or require additional information.

Wood Environment & Infrastructure Solutions, Inc..



John Luttinger
Senior Geophysicist





A Geophysical Anomaly discussed in report

Interpreted linear anomaly

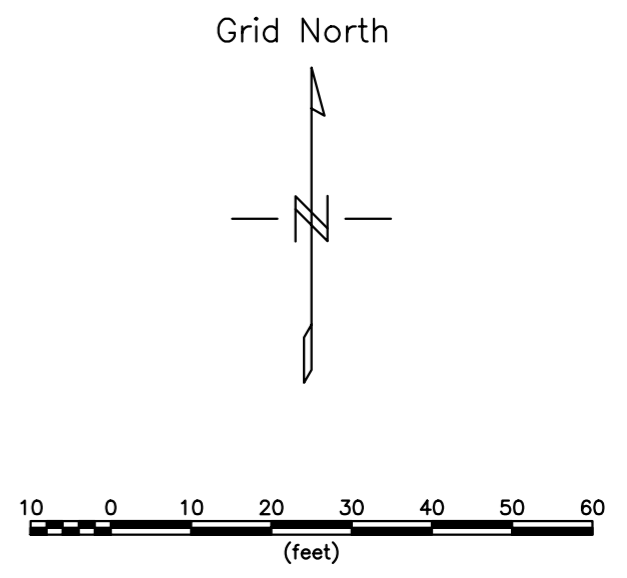


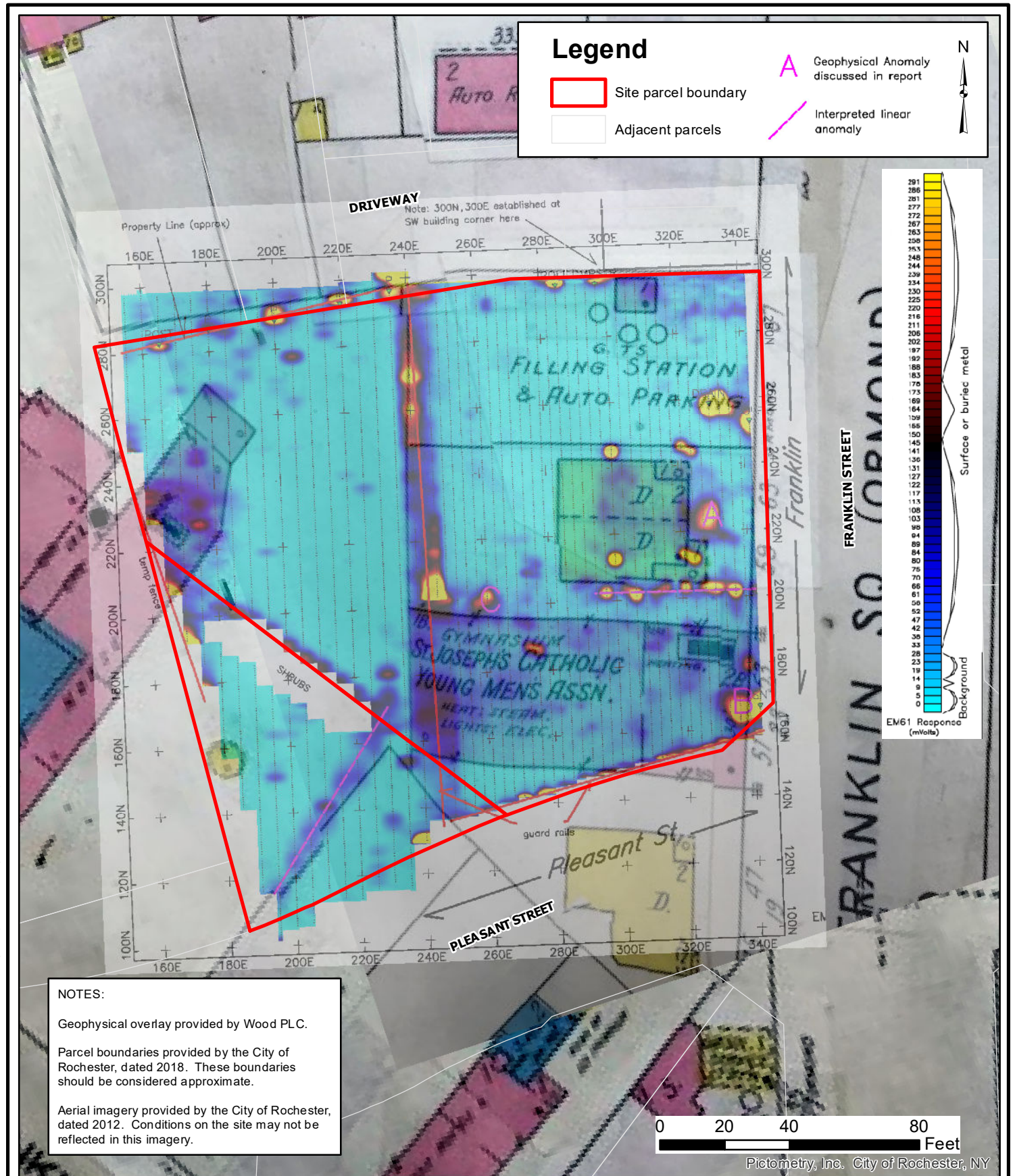
Figure 1
 Geophysical Survey Results
 Color Contours of EM61 Data
 (mVolts)

101+113 Franklin St and 106 Pleasant St
 Rochester, NY
 Day Environmental

WOOD.

Document Path: E:\GIS Mapping\Rockly5560S-18\Rockly5560S-04_Geophysical and Sanborn.mxd

Last Date Saved: 17 Dec 2018

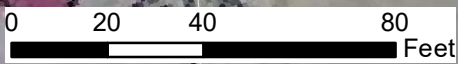


NOTES:

Geophysical overlay provided by Wood PLC.

Parcel boundaries provided by the City of Rochester, dated 2018. These boundaries should be considered approximate.

Aerial imagery provided by the City of Rochester, dated 2012. Conditions on the site may not be reflected in this imagery.



Pictometry, Inc. City of Rochester, NY

Date	12-17-2018
Drawn By	CPS
Scale	AS NOTED

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title	101 & 113 FRANKLIN STREET, AND 106 PLEASANT STREET ROCHESTER, NEW YORK
	PHASE II ENVIRONMENTAL SITE ASSESSMENT
Drawing Title	Site Plan with Geophysical Survey and Sanborn Overlay

Project No.	5560S-18
	FIGURE 2



APPENDIX 4

Ravi Engineering and Land Surveying, P.C.
Phase II Environmental Site Assessment

Phase II Environmental Site Assessment

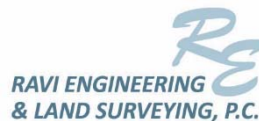
101-113 Franklin Street
106 Pleasant Street
City of Rochester, New York

PN 43-18-179-C

PREPARED FOR:

City of Rochester
Division of Environmental Quality

PREPARED BY:



2110 South Clinton Avenue
Suite 1
Rochester, New York 14618

September 10, 2019

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FIGURES

Figure 1:	Site Location Map
Figure 2:	Sample Location Map
Figure 3:	Groundwater Contour Map
Figure 4:	Volatile Organic Compound Detections and Metal Exceedances in Soil
Figure 5:	Volatile Organic Compound & Semivolatile Organic Compound Detections in Groundwater

TABLES

Table 1:	Monitor Well Coordinates and Elevations
Table 2:	Summary of Detected Compounds in Soil
Table 3:	Summary of Detected Compounds in Groundwater

Appendix

Appendix A:	Test Pit & Soil Boring Logs
Appendix B:	Low-Flow Sampling Logs
Appendix C:	Laboratory Data

1.0 INTRODUCTION

Ravi Engineering & Land Surveying, P.C. (RE&LS) was retained by the City of Rochester Division of Environmental Quality (DEQ) to perform a Phase II Environmental Site Assessment (ESA) of the subject properties located at 101-113 Franklin Street and 106 Pleasant Street in the City of Rochester (the “Site”) (Figure 1).

The Site consists of two City-owned parcels of undeveloped land currently addressed as 101-113 Franklin Street (SBL#106.80-1-25-.001, 0.58 acre, use code “parking lot”) and 106 Pleasant Street (SBL #106.39-1-33, 0.12 acre, use code “vacant commercial land”). The City regards this Site as a future mixed-use development site that could include apartments or townhouses.

A Phase I Environmental Site Assessment (Day Environmental, September 9, 2019-revised September 25, 2019) and geophysical survey (Wood E&I, January 10, 2019) were performed at the Site on behalf of the City. The information provided in the Phase I ESA indicates that the Site has a greater than 140 year history of residential and commercial use, outlined below:

- Residential parcels with structures as early as 1875
- A portion of a church and school property as early as 1888
- A YMCA building as early as 1910
- A commercial parking station with small building as early as 1950.

Day identified the following Recognized Environmental Conditions (RECs) in the Phase I ESA:

- Historical use of the assessed property: City of Rochester records document use as a “parking station” and a variance card to “install gasoline pumps in existing parking station.” An additional Sanborn map was discovered that depicted the presence of three “GTs” (gasoline tanks) on the northern part of the Site. Although not identified as a REC, the heating fuel source/type for the former YMCA building on the Site has not been identified. It is unknown if demolition debris was disposed of on site during demolition of former buildings, or if former foundations or building slabs are present.
- Historical use of adjoining/nearby properties: Information obtained as part of the Phase I ESA documented the following off-site RECs:
 - North – Printing shop, automobile repair facility, welding shop
 - East – Dry cleaning facility
 - South – gas station, dry cleaning facility, photographic facility, metal foundry
 - Southwest – Automobile repair facility, photo engraving facility, oil/refrigerant supply company
 - Known and suspected underground storage tanks (USTs) at off-site properties to the north, east, south, and southwest.

□

RE&LS conducted this Phase II ESA to address the above items as requested by the City of Rochester DEQ in the March 4, 2019 Request for Proposal (RFP). The scope of work performed to address the potential RECs included the following tasks:

- □ Advancement of soil test borings and installation of groundwater monitoring wells to evaluate potential contaminant source areas and migration pathways, including wells near the Site property lines, and to evaluate geotechnical considerations;
- □ Advancement of test pits to evaluate anomalies identified in the City-provided *Wood* geophysical report, and to evaluate subsurface geotechnical conditions (i.e., fill, old foundations, etc.);
- □ Screening and sampling for soil, fill material, and groundwater for analytical laboratory analysis;
- □ Toxicity characteristic leaching procedure (TCLP) sampling of soil or fill materials to evaluate for potential characteristic hazardous waste;
- □ Static water level measurements and survey of monitoring well evaluations;
- □ GPS recording of Phase II ESA and Preliminary Geotechnical investigation point locations;
- □ Characterization and disposal of investigation-derived waste; and
- □ A Preliminary Geotechnical Investigation was performed and is provided under separate cover.

2.0 METHODOLOGY

2.1 Test Pits

The test pit investigation was conducted on July 11 & 12, 2019 to determine if any USTs are present in the location of the anomalies identified in Wood's E-61 report, and to generate subsurface data for use in the Preliminary Geotechnical Investigation. TREC Environmental (TREC) was contracted to excavate the test pits. TREC utilized a Kubota mini-excavator to perform the test pitting and collect soil samples from nine test pit excavations.

Test pit observations, measurements, and soil screening details were logged in the field, and the open excavations were photographed. Once complete, the test pits were backfilled and the asphalt surface was restored. GPS locations of the nine test pits were collected using a handheld Trimble GeoXH GPS unit. Test pit logs and photographs are included in Appendix A. Test pit locations are provided on Figure 2.

Due to the large amount of C&D (construction and demolition) fill material excavated during test pitting, TREC was not able to backfill all of the soil and fill back into the excavation. The derived soils were staged on, and covered with plastic pending sampling for disposal.

□

2.2 Geoprobe Investigation

RE&LS conducted the subsurface soil investigation on July 17 and 18, 2019. Twenty-one borings were installed by Nature's Way Environmental (Nature's Way) using a direct-push technology sampling system. The Geoprobe utilizes a four-foot long macro-core sampler, with disposable polyethylene sleeves for continuous soil sampling. Soil borings were installed to a depth of twelve feet below ground surface (bgs) or Geoprobe refusal in all of the borings. Soils were screened in conjunction with the Geoprobe borings. The soil column obtained from each four-foot macro-core sampler tube was screened for visual and olfactory, indications of contamination. Organic vapors were screened with a photoionizing detector (PID) capable of detecting organic vapors from 1 to 15,000 part per million (ppm).

Boring observations and soil screening details were then logged on field forms, and GPS locations were collected. Boring logs are included in Appendix A.

Soil borings installed in grassy areas were backfilled with native material. Soil borings installed in asphalt were backfilled with native material to approximately six inches bgs. The remainder was filled with cold patch asphalt. Boring locations are included on Figure 2.

2.3 Soil Sampling and Analysis

One subsurface soil sample was collected from twenty of the twenty-one soil borings. A sample was not collected from BH-10 due to the absence of soil in the boring and low recovery overall. One subsurface sample was also collected from each of the deep overburden well borings. One surficial sample was also collected due to the proximity of the sample area to an historic metal foundry on the south adjacent property.

Samples were submitted to Paradigm Environmental Services, Inc. (Paradigm), a New York State Department of Health (NYSDOH)-approved laboratory, and analyzed in conformance with New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methods. Category B deliverables were performed for all analytical reporting in order to provide the necessary documentation to evaluate the usability of the data, and provide calibration data needed to verify results, as necessary. Paradigm provided NYSDEC Equis electronic data deliverables (EDD).

Sample results were compared to 6 NYCRR Part 375 Unrestricted Use and Restricted Use-Residential Soil Cleanup Objectives (SCO).

RE&LS collected the following soil samples for analysis:

<u>Parameter</u>	<u>EPA Method</u>	<u># Samples</u>
TCL & CP-51 Volatile Organic Compounds	8260	25/25*
TCL Semivolatile Organic Compounds	8270	10/10*
TAL Metals	6010/7470/747	17/15*
PCBs	8082	6/6*

*number of samples collected/number of samples proposed to be collected

□

2.4 Direct-Push Shallow Overburden Wells

Upon completion of the direct push borings, five of the borings were converted into temporary one-inch diameter polyvinyl chloride (PVC) microwells (Figure 2). Because none of the five wells initially produced any groundwater, the wells were left in place for several days before samples could be collected. RE&LS proposed to submit groundwater samples from each of the five wells for analysis; however, the only microwells that produced enough groundwater for sample analysis were MW-1 and MW-4. Once sampled, the PVC screen and risers were removed and the boreholes were backfilled with native materials. Soil borings installed in asphalt were backfilled with native material to approximately six inches bgs. The remainder was filled with cold patch asphalt.

Groundwater sample results were compared to 6 NYCRR Part 703 Technical & Operational Guidance Series 1.1.1 *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (TOGS 1.1.1) protection of groundwater (GA) standards and guidance values.

RE&LS collected the following overburden groundwater samples for analysis:

<u>Parameter</u>	<u>EPA Method</u>	<u># Samples</u>
TCL & CP-51 Volatile Organic Compounds	8260	2/5*
TCL Semivolatile Organic Compounds	8270	1/5*
TAL Metals	6010/7470/747	0/1*
PCBs	8082	0/1*

*number of samples collected/number of samples proposed to be collected

2.5 Geotechnical Survey

Five borings were installed across the Site by Nature's Way on July 23-25, 2019 using a truck-mounted drill rig. Standard split-spoon sampling (one per five-foot interval) was performed for boring D1, D2, and D3. Continuous split-spoon sampling was utilized for D4 and D5. Borings were installed to apparent bedrock refusal, and soils were characterized and field screened for volatile organic vapors.

The field results were utilized for a geotechnical analysis; the August 27, 2019 *Preliminary Geotechnical Engineering Investigation* report is provided under separate cover. Field logs with observations including soil and fill descriptions, and soil screening results are provided in Appendix A.

2.6 Rotary-drilled Deep Overburden Groundwater Monitor Wells

Upon completion of the geotechnical borings, five deep overburden wells were installed (Figure 2). The wells were installed using 10 feet of 2-inch diameter PVC 010 slotted screen completed with a 2-inch PVC riser to the surface. The wells were completed with a protective flush-mounted road box. Well construction details are provided with the soil boring logs in Appendix A.

□

The wells were developed on August 1, 2018 using dedicated hand-bailers. Approximately 3 gallons of groundwater was purged from each well to remove sediments from the well and the sand-packed annular space. Purge water was drummed, and is stored on Site pending sampling for disposal.

2.7 Deep Overburden Groundwater Sampling

Groundwater samples were collected from each of the five deep overburden monitor wells by adjustable rate peristaltic pump utilizing low-flow purging and sampling procedures in general accordance with ASTM Standard D 6771-02 Standard Practice for Low-Flow Purging and Sampling for Wells and Devices for Groundwater Quality Investigations. Water quality was monitored for pH, specific conductance, temperature, turbidity, dissolved oxygen, and oxygen reduction potential (ORP) until these parameters stabilize, or for a maximum of 2 hours. Groundwater quality parameters were measured using a YSI Pro Plus Quatro flow cell with continuous readout display. Purge water was drummed pending disposal.

Low-flow sampling logs are provided in Appendix B.

RE&LS collected the following deep overburden groundwater samples for analysis:

<u>Parameter</u>	<u>EPA Method</u>	<u># Samples</u>
TCL & CP-51 Volatile Organic Compounds	8260	5/5
TCL Semivolatile Organic Compounds	8270	5/5
TAL Metals	6010/7470/747	2/1
PCBs	8082	2/1

*number of samples collected/number of samples proposed to be collected

2.8 Static Water Level Measurements, GPS Locations, & Survey of Well Elevations

Soil boring and monitoring well locations were determined by GPS, and the elevations of the deep overburden wells were determined to 0.01 foot accuracy by the RE&LS survey department. Groundwater depths, site survey data, and GPS data was used to determine the depth to groundwater and the local hydraulic gradient (Table 1).

2.9 Waste Characterization & Disposal of Investigative Derived Waste

Drill cuttings were staged on, and covered with polyethylene sheeting. Water generated during drilling was drummed pending sampling and analysis for disposal. Waste will be handled in accordance with applicable regulations upon receipt of the characterization results. Documentation of the waste characterization and disposal will be provided under separate cover.

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3.0 SOIL INVESTIGATION RESULTS

3.1 Test Pits and Preliminary Geotechnical Survey

RE&LS field personnel made the following test-pit observations:

- □ TP-1 was excavated to investigate Wood’s Anomaly “C” (Appendix A). No tanks or metal objects were found. In general, excavated materials consisted of brick and stone (rubble) intermixed with loamy soil to a depth of 8 feet bgs. The fill material/native soil interface was not reached due to the limitations of the excavator. None of the excavated materials exhibited any visual or olfactory impacts or elevated PID readings.
- □ TP-2 was excavated to investigate an anomaly identified by Wood. A steel I-beam encased in concrete was found in the excavation. In general, excavated materials were similar with TP-1 with lesser amounts of brick and stone rubble, and more loam/soil. The pit was excavated to approximately 6.5 feet bgs. The interface of fill and apparent native soils was encountered at a depth of 2 feet bgs on the north end of the pit, but was not encountered on the south end of the pit. None of the excavated materials exhibited any visual or olfactory impacts or elevated PID readings.
- □ TP-3 was excavated to investigate an anomaly identified by Wood. A loose 2-inch diameter, 30-inch long steel pipe, a crushed metal drum, and metal debris were found in the excavation. Excavated materials consisted of sand intermixed with brick and lesser amounts of glass, metal shards and other debris. The pit was excavated to refusal on a concrete slab at 4 feet bgs. None of the excavated materials exhibited any visual or olfactory impacts or elevated PID readings.
- □ TP-4 was excavated to investigate an anomaly identified by Wood. A small metal conduit and electrical box were found in the excavation. Excavated materials consisted of pieces of rock intermixed with loam/soil. A foundation wall situated in an east/west direction was observed near the middle and south end of the excavation. The pit was excavated to a depth of 60 inches bgs. Native soil was encountered at a depth of approximately 3 feet bgs. None of the excavated materials exhibited any visual or olfactory impacts or elevated PID readings.
- □ TP-5 was excavated to investigate Wood’s Anomaly “A”. A 1-inch metal conduit pipe was found in the excavation. Excavated materials consist of reworked loam/soil. Native soils were encountered at a depth of 5 feet bgs. A one-inch conduit was encountered on the south end of the excavation travelling in an east/west direction at a depth of approximately 2.5 feet bgs. None of the excavated materials exhibited any visual or olfactory impacts or elevated PID readings.
- □ TP-6 was excavated to investigate an anomaly identified by Wood. No metal objects were found in the excavation. Excavated materials consist of 10 inches of black sandy soil intermixed with stone and lesser amounts of brick and wood fragments, over a layer of clayey loam from 10 to 66 inches bgs. None of the excavated materials exhibited any visual or olfactory impacts or elevated PID readings.

□

- □ TP-7 was excavated to investigate Wood's Anomaly "B". Several metal objects, including a large steel safe and an I-beam encased in concrete were identified. Excavated materials consist of brick intermixed with sandy loam. A concrete slab was encountered at the south perimeter of the excavation at approximately 27 inches bgs over a foundation wall from 27-75 inches bgs. The wall trends in an east/west orientation and appears to be constructed of field stone and mortar with a painted plaster skim coating. The pit was excavated to refusal on a tile floor at 75 inches bgs. None of the excavated materials exhibited any visual or olfactory impacts or elevated PID readings.
- □ TP-8 was excavated to investigate the potential presence of gasoline tanks as identified on Sanborn Maps. Excavated materials consisted of stone and brick fill intermixed with sand to a depth of 48 inches bgs. A brick wall was encountered on the east perimeter of the excavation at a depth of 12 inches bgs. A chemical-like odor was detected from excavated materials but elevated PID readings and odors were not detected on any of the perimeter walls. North perimeter wall soils were stained but did not produce elevated PID readings. Only soils screened from materials in the excavator bucket were found to have elevated readings (112 ppm). The pit was excavated to refusal on a concrete slab at a depth of 48 inches bgs.
- □ TP-9 was excavated to investigate subsurface conditions on the west portion of the Site. Excavated materials consist of sandy loam intermixed with brick and stone. The pit was excavated to a depth of 60 inches bgs; apparent native soils were encountered at a depth of 30 inches bgs.

3.2 Hydrogeologic Conditions

In general, soils on the east end of the Site were found to consist of varying amounts of brick and rock rubble intermixed with loamy fill soils from 0 to 10 feet bgs, with native materials encountered at a typical depth of 5 feet bgs across the Site. The brick and stone rubble that was predominant throughout the eastern portion of the Site was absent in borings advanced on the west side of the Site, with the exception of a small amount of brick rubble at shallow depths near the northwest portion of the Site. Typical soils on the west portion of the Site consist of sandy loam and silty fine sand. None of the borings exhibited petroleum or chemical impacts or had any elevated PID readings.

Saturated conditions were encountered between 8-9.5 bgs in a few of the borings (B1, B4, B21) near the northeast corner of the Site. However, the temporary overburden microwells that were installed in two of these borings produced little groundwater.

Saturated soils were also present between 17-22 feet bgs. Static groundwater levels measured in the deep overburden monitoring wells ranged from 13.3 to 18.3 feet bgs. Groundwater elevations indicate that the groundwater flow direction across the Site is to the southwest (Figure 3).

Bedrock was encountered at depths ranging from 17.4 to 27.0 feet bgs.

Boring logs are provided in Attachment A.

□

3.3 Soil Analytical Results

Volatile Organic Compound Results

The Site is zoned “Center City Base District” with use codes 330-Vacant Commercial Land and 438-Parking Lot. Soil analytical results are compared to Unrestricted Use SCOs and Restricted Use-Residential SCOs.

Twenty-six subsurface soil samples were analyzed for volatile organic compounds (VOCs):

- □ VOCs were not detected in nineteen of these samples.
- □ Seven samples had detections of one or more of the following constituents (Table 2):
 - □ 2-butanone was detected in one sample at a concentration below the Part 375 Unrestricted Use SCO of 0.120 ppm.
 - □ Acetone was detected in five samples at a concentration below the Unrestricted Use SCO of 0.05 ppm and in one sample at a concentration of 0.103 ppm, above the Unrestricted Use SCO but below the Restricted Use-Residential SCO of 100 ppm.
 - □ m,p-xylene was detected in two samples at concentrations below the Unrestricted Use SCO of 0.26 ppm.

Semivolatile Organic Compound Results

Ten soil samples were analyzed for semivolatile organic compounds (SVOCs): SVOCs were not detected in any of the samples.

Metals

One surficial soil sample and sixteen subsurface soil samples were analyzed for TAL metals. Silver was the only TAL metal not detected in any of the samples.

- □ Lead was detected in two of the subsurface samples at a concentration above the Unrestricted Use SCO of 63 ppm, but below the Restricted Use-Residential SCO of 400 ppm.
- □ Mercury was detected in one subsurface sample above the Unrestricted Use SCO of 0.18 ppm, but below the Restricted Use-Residential SCO of 0.81 ppm.
- □ All other TAL metal detections were below the Unrestricted Use SCO.

Polychlorinated Biphenyls

Six subsurface soil samples were analyzed for polychlorinated biphenyls (PCBs); PCBs were not detected in any of the samples.

Laboratory data are provided as Appendix C. Table 2 provides a summary of compounds detected in soil. Figure 4 shows the location of VOC detections and metal exceedances.

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4.0 GROUNDWATER RESULTS

Volatile Organic Compounds

Two overburden groundwater samples and five deep overburden groundwater samples were analyzed for VOCs:

- □ Acetone was detected in one overburden groundwater sample at a concentration below the TOGS 1.1.1 standard of 50 parts per billion (ppb).
- □ cis-1,2-dichloroethene was detected in one deep overburden groundwater sample at a concentration above the TOGS 1.1.1 standard of 5 ppb.
- □ Trichloroethene was detected in one top of bedrock groundwater sample at a concentration below the TOGS 1.1.1 standard of 5 ppb.

Semivolatile Organic Compounds

One overburden groundwater sample and five deep overburden groundwater samples were analyzed for SVOCs:

- □ Caprolactam was detected in the overburden sample at a concentration of 850 ppb. There is no TOGS 1.1.1 standard or guidance value for Caprolactam.
- □ Diethyl phthalate was detected in all five deep overburden samples; two of these detections were at a concentration above the TOGS 1.1.1 guidance value of 50 ppb. Diethyl phthalate is a common plasticizer that is ubiquitous in the urban environment. Its presence in groundwater at the Site is not necessarily indicative of a contaminant source on or near the Site.

Metals

Two deep overburden groundwater samples were analyzed for metals:

- □ Aluminum, barium, calcium, magnesium, manganese, potassium, and sodium were detected in one or more of the samples. None of the detections were at a concentration above the associated TOGS 1.1.1 standard or guidance value.

PCBs

Two deep overburden groundwater samples were analyzed for PCBs; PCBs were not detected in either sample.

Table 3 provides a summary of compounds detected in groundwater. VOC and SVOC groundwater detections are shown on Figure 5.

□

5.0 DISCUSSION

5.1 Test Pits

Prior to this Phase II ESA a Geophysical Survey was completed by others to further evaluate whether USTs are present on the Site. The results of the study identified three locations as potential UST anomalies. None of these anomalies correspond with the locations of the three Sanborn mapped USTs believed to be historically located in the northeast portion of the survey area. The report indicated that these anomalies may be related to USTs or miscellaneous buried metals.

The test pit investigation did not identify any USTs. Metal objects consisting of a steel safe, a metal drum, metal conduits, pipes and miscellaneous debris were identified in the test pit excavations and appear to be responsible for the anomalies.

5.2 Soil Analysis

Three VOCs (2-butanone, acetone, and m,p-xylene) were detected at low concentrations in one or more of the 25 soil samples analyzed for VOCs predominantly in soils collected from the eastern and southern portion of the Site. All three contaminants are potentially present in soils from the historic use of the northern adjacent property as a print shop. 2-butanone and acetone are common laboratory contaminants and their presence in the groundwater samples from the Site may not be indicative of actual conditions at the Site. All but one of the concentrations of these constituents are below the Part 375 Unrestricted Use SCO. One sample was above the Unrestricted Use SCO of 0.05 ppm but below the Restricted Use-Residential SCO of 100 ppm:

- □ Sample SS-5 was collected from boring BH-5, on the northeast portion of the Site and south of the historic print shop. The concentration of acetone in this sample was reported by the laboratory to be 0.103 ppm.

Lead was found in two samples above the Unrestricted Use SCO of 63 ppm but below the Restricted Use-Residential SCO of 400 ppm.

- □ Sample SS-3 was collected from boring BH-3 on the northeast portion of the Site, in close proximity to the historic gas tanks. The sample was collected at a depth of 2 feet bgs, above a depth that would typically be impacted from buried USTs. Lead was not detected in other samples collected from the vicinity of the historic gas tanks at deeper depths (SS-1 was collected at 9.5 feet bgs and SS-2 was collected at 7.5 feet bgs). It does not appear that this contaminant is from historic Site usage or from the historic gas tanks. The lead concentration was reported by the laboratory to be 132 ppm.
- □ Sample SS-9 was collected at a depth of 10 feet bgs from boring BH-9 near the southeast perimeter of the Site. The lead concentration was reported by the laboratory to be 151 ppm.
- □ Mercury was found in one sample above the Unrestricted Use SCO of 0.18 ppm but below the Restricted Use-Residential SCO of 0.81 ppm.

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- □ Sample SS-19 was collected at the southwest perimeter of the Site at a depth of 4 feet bgs, and is potentially present in soils from the historic use of the southern adjacent property as a metal foundry. The mercury concentration was reported by the laboratory to be 0.181 ppm.

5.3 Groundwater

Low concentrations of three VOCs (acetone, cis 1,2-Dichloroethene (DCE), and trichloroethene (TCE)) were detected in two groundwater samples:

- □ Acetone was detected below the TOGS 1.1.1 guidance value of 50 ppm in MW-1, which is located near the northeast perimeter of the Site and is potentially associated with the historic use of the northern adjacent property as a print shop.
- □ Low concentrations of cis 1,2-DCE and TCE were detected in MW-D2, located at the northeast perimeter of the Site. Both of these contaminants are solvents typically and are potentially associated with the historic use of the north adjacent property as an auto repair shop. The concentration of cis 1,2-DCE (12.5 ppb) exceeds the NYS standard of 5 ppb for this contaminant; the concentration of TCE (2.27 ppb) was below the NYS standard of 5 ppb for this contaminant.

Two SVOCs were also detected in groundwater samples:

- □ Caprolactam was detected in MW-1, near the northeast perimeter of the Site. Caprolactam is used in the production of plastics and inks and is potentially associated with the historic use of the north adjacent property as a print shop.
- □ Diethyl phthalate was detected in all five of the deep overburden groundwater samples. Diethyl phthalate is a common plasticizer that is ubiquitous in the urban environment. Its presence in groundwater at the Site is not necessarily indicative of a contaminant source on or near the Site. The two highest concentrations of diethyl phthalate were found in MW-D1 (51.7 ppb) and MW-D2 (59.4 ppb). Both sample locations are adjacent to the historic print shop at the north perimeter of the Site. These concentrations exceed the NYS guidance value of 50 ppb.

5.4 Preliminary Geotechnical Investigation Results

The September 10, 2019 *Preliminary Geotechnical Engineering Investigation*, provided under separate cover, indicates:

- □ Many of the subsurface explorations encountered random fill materials to depths as great as approximately 10 feet bgs. Greater depths of random fill may be present at other locations. It is likely that the greatest amounts of random fill exist within the outlines of former basements and underground tanks.
- □ In general, soils on the east end of the Site were found to consist of varying amounts of brick and rock rubble intermixed with loamy fill soils from 0 to 10 feet bgs, with native soils encountered at a typical depth of 5 feet bgs across the Site. The brick and stone rubble that is predominant throughout the eastern portion of the Site is absent in borings

□

advanced on the west side of the Site, with the exception of a small amount of brick rubble at shallow depths near the northwest portion of the Site. Typical soils on the west portion of the Site consist of sandy loam and silty fine sand.

- □ Per City requirements, if fill material is disturbed during redevelopment activities it cannot be reused on site and will need to be handled/disposed of as a regulated solid waste.
- □ The encountered natural soils contain varying amounts of silt, sand, and gravel. Lesser amounts of clay were also noted.
- □ Bedrock was not core sampled at any of the exploration locations. It appears likely, however that the depth to bedrock ranges from roughly 15 to 30 feet bgs.
- □ The depths to groundwater, measured in the five monitoring wells, indicated depths to groundwater of approximately 13 to 18 feet bgs across the Site.
- □ It should be noted that groundwater levels will vary with factors including location, time, precipitation, season, and Site activities.
- □ More detailed descriptions of the subsurface conditions, as encountered by the subsurface explorations, are provided on the logs in Attachment B.
- □ The *Preliminary Geotechnical Engineering Investigation* discusses options for the design and construction of possible future buildings at the Site (including foundation systems, basement walls, floor slabs, utilities, pavements, etc.).
- □ The report also makes general recommendations for excavation, construction dewatering, subgrade preparation, and backfill/compaction.

6.0 AREAS OF CONCERN

- □ These Phase II data do not indicate any discrete areas of concern (AOC) associated with historic Site usage. No specific source areas of environmental contaminants were identified on the Site.
- □ No soil samples have any compounds detected at concentrations greater than the Part 375 Restricted Use-Residential SCO.
- □ Although minor exceedances of the TOGS 1.1.1 Groundwater Standard or guidance values are identified, an on-site source is not indicated by the soil or groundwater data.
- □ Fill material (brick, rock rubble, metal, etc.) up to ten feet thick was encountered mostly on the eastern portion of the Site.
- □ If fill material is disturbed during redevelopment activities it may not be acceptable for re-use on the Site and will likely need to be handled/disposed of as a regulated solid waste. This could have significant cost implications for future development.

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7.0 RECOMMENDATION

Due to the presence of fill material and historical uses of the Site (gasoline USTs) it is recommended that an environmental management plan (EMP) be developed for the Site. The EMP will provide guidance on health and safety monitoring, handling, characterization, and disposal of any regulated solid waste or other contaminants/structures that might be disturbed during site redevelopment. The EMP should also include a requirement to evaluate the potential for soil vapor intrusion into any new occupied structures at the Site, and mitigation of soil vapor intrusion if deemed necessary via the installation and operation of a sub-slab depressurization system (SSDS).

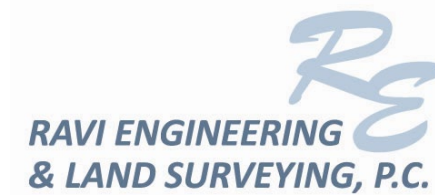
Sincerely,

A handwritten signature in blue ink that reads "Lynn Zicari".

Lynn Zicari
Environmental Scientist

A handwritten signature in blue ink that reads "Peter S. Morton".

Peter S. Morton, P.G., C.P.G.
Project Manager

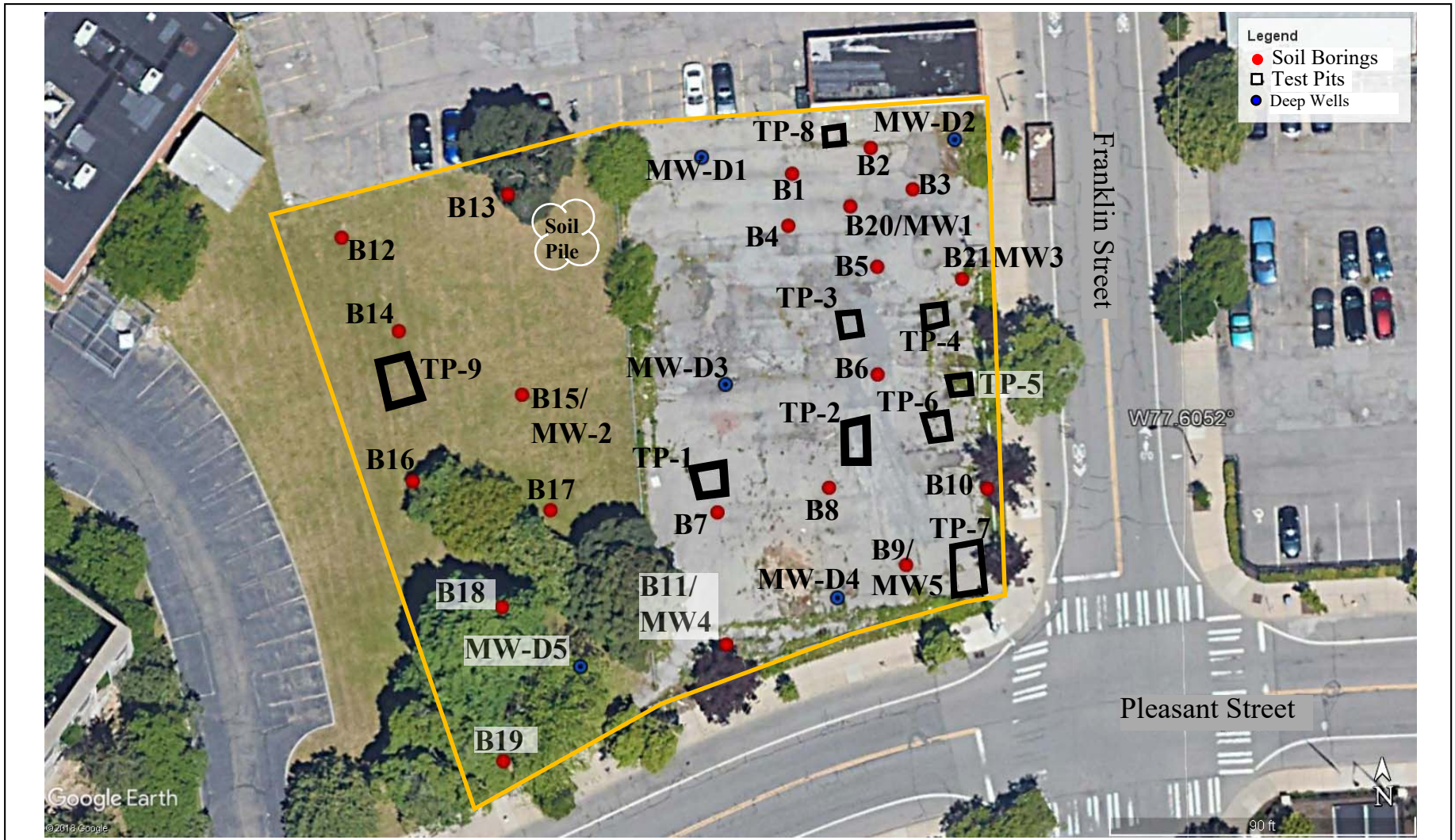



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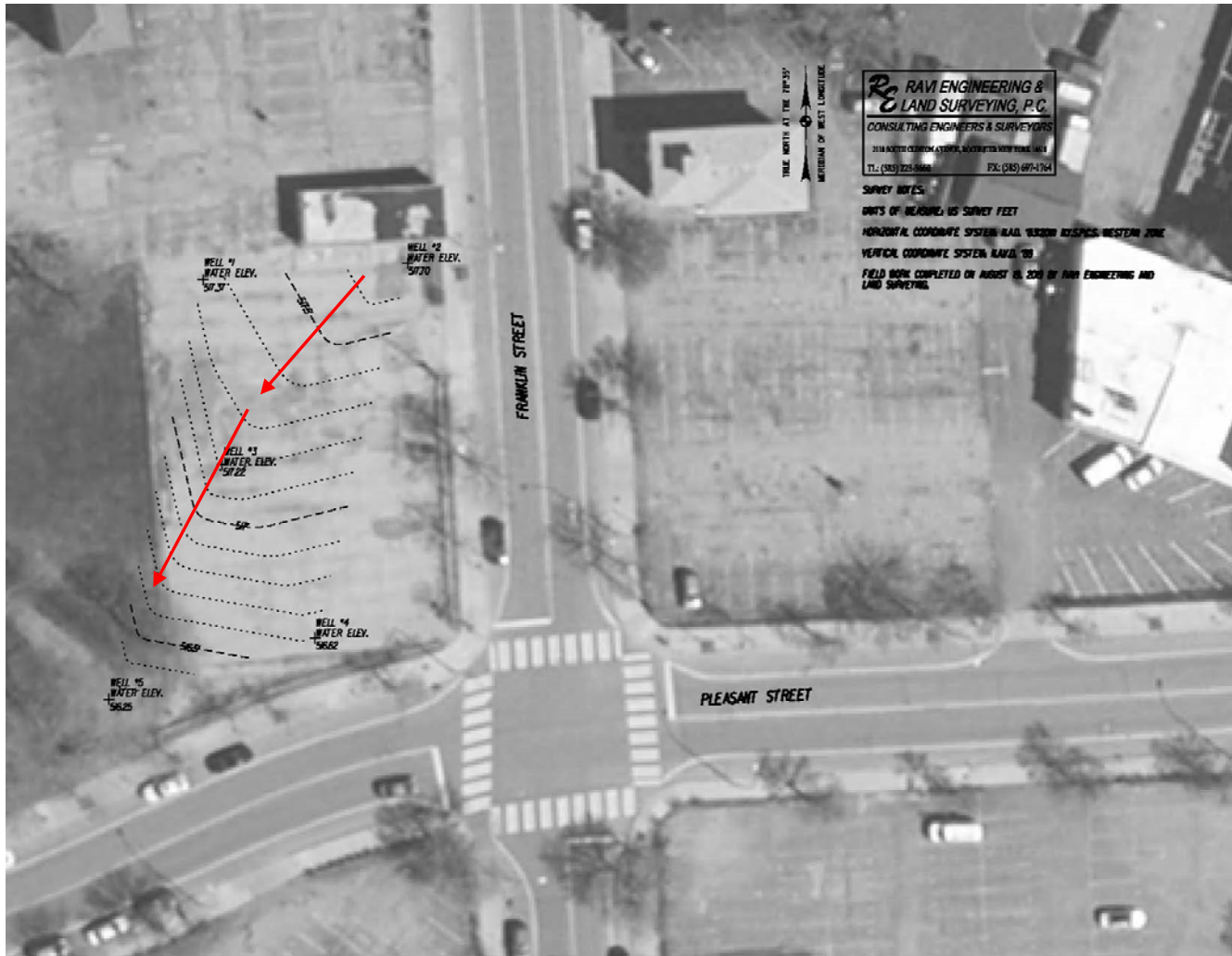
City of Rochester
 Phase II Environmental Site Assessment and Preliminary
 Geotechnical Assessment Services


FIGURE 1: SITE LOCATION MAP
 101-113 Franklin Street and 106 Pleasant Street

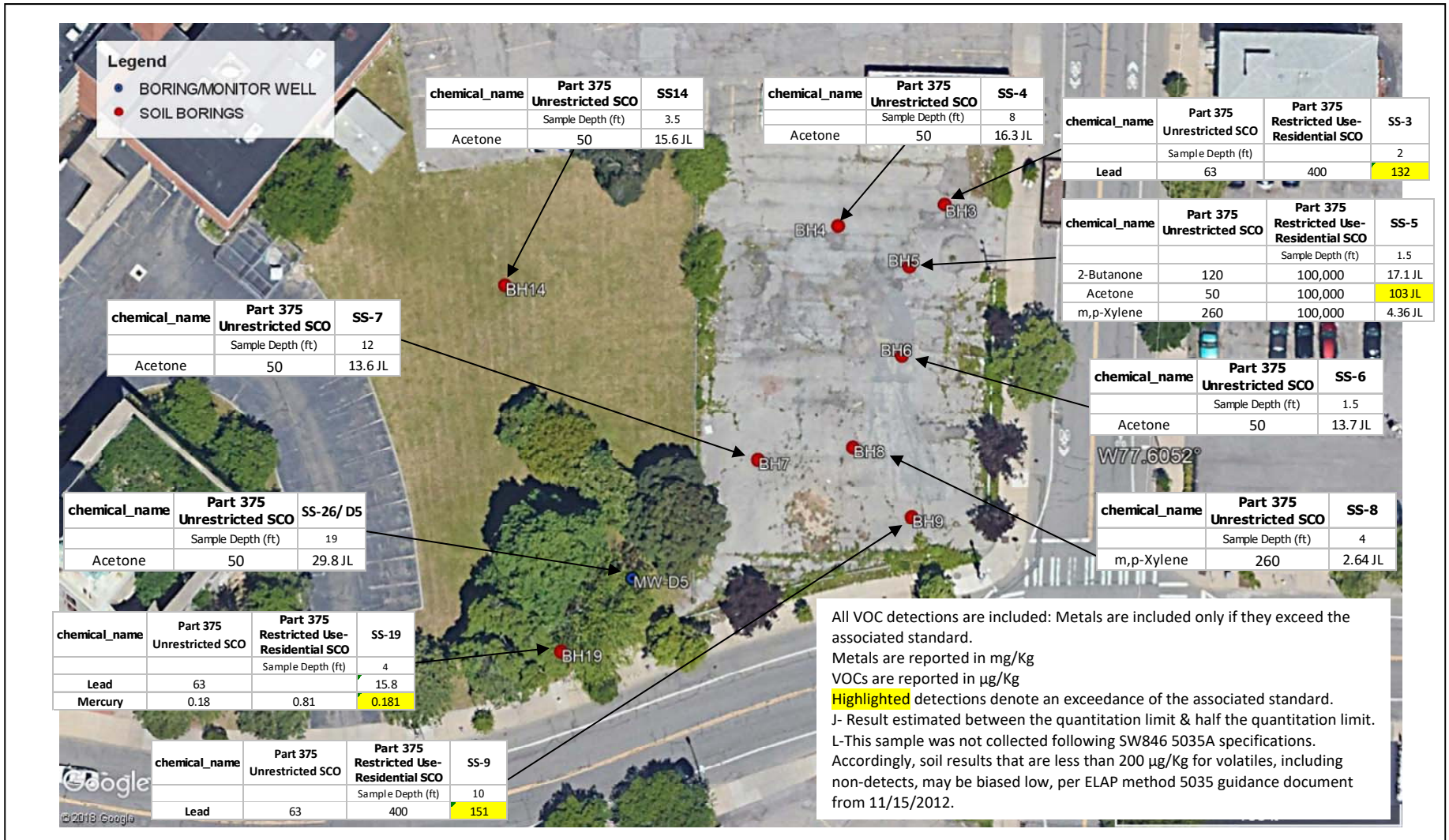
PROJECT NO. 4318079 C	DATE: August 2019
SCALE: N.T.S.	DRAWING NO: 1




 <p>RAVI ENGINEERING & LAND SURVEYING, P.C.</p>	<p>City of Rochester Phase II Environmental Site Assessment</p>	<p>Project No. 4318179 C</p>	<p>Figure No: 2</p>
<p>2110 S. CLINTON AVENUE, SUITE 1 ROCHESTER, NEW YORK 14618 TL: (585) 223-3660 FX: (585) 697-1764</p>	<p>FIGURE 2: SAMPLE LOCATION MAP 101-113 Franklin Street and 106 Pleasant Street</p>	<p>Scale: NTS</p>	<p>Date: August 2019</p>



 RAVI ENGINEERING & LAND SURVEYING, P.C. 2110 S. CLINTON AVENUE, SUITE 1 ROCHESTER, NEW YORK 14618 TL: (585) 223-3660 FX: (585) 697-1764	City of Rochester Phase II Environmental Site Assessment	Project No.. 4318079 C	Figure No: 3
	FIGURE 3: GROUNDWATER CONTOUR MAP 101-113 Franklin Street and 106 Pleasant Street	Scale: NTS	Date: August 2019



 2110 S. CLINTON AVENUE, SUITE 1 ROCHESTER, NEW YORK 14618 TL: (585) 223-3660 FX: (585) 697-1764	City of Rochester Phase II Environmental Site Assessment	Project No.. 4519005 C	Figure No: 4
	FIGURE 4: VOLATILE ORGANIC COMPOUND DETECTIONS & METAL EXCEEDANCES IN SOIL 101-113 Franklin Street and 106 Pleasant Street	Scale: NTS	Date: Sept 2019



<p>2110 S. CLINTON AVENUE, SUITE 1 ROCHESTER, NEW YORK 14618 TL: (585) 223-3660 FX: (585) 697-1764</p>	<p>City of Rochester Phase II Environmental Site Assessment</p>	<p>Project No.. 4519005 C</p>	<p>Figure No: 5</p>
	<p>FIGURE 5: VOLATILE ORGANIC COMPOUND & SEMIVOLATILE ORGANIC COMPOUND DETECTIONS IN GROUNDWATER 101-113 Franklin Street and 106 Pleasant Street</p>	<p>Scale: NTS</p>	<p>Date: August 2019</p>

Table 1: Monitor Well Coordinates and Elevations
 City of Rochester
 101-103 Franklin Street, 106 Pleasant Street

Survey Date	8/19/2019					
Well ID	Top of Casing (ft)	Well Cover (ft)	Water Depth (ft)	Corrected Depth (ft)	Latitude	Longitude
MW-D1	531.63	531.84	14.27	517.36	43.15989199	77.60572
MW-D2	530.8	531.02	13.3	517.5	43.15990269	77.60544
MW-D3	531.71	532.14	14.49	517.22	43.1597116	77.6057
MW-D4	533.02	533.31	16.4	516.62	43.15953975	77.60558
MW-D5	534.51	534.95	18.32	516.19	43.15948797	77.60586

Table 2: Summary of Detected Compounds in Soil
 City of Rochester
 101-113 Franklin Street, 106 Pleasant Street
 Rochester NY 14604

chemical_name	Part 375/CP-51		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-11	SS-12	SS-13	SS14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22/ D-1	SS-23/ D-2	SS-24/ D-3	SS-25/ D-4	SS-26/ D5	S-1 (D5)
	Unrestricted SCO	Part 375 Restricted Use-Residential SCO																										
VOCs*		Sample Depth (ft)	9.5	7.5	2	8	1.5	1.5	12	4	10	5	3	4	3.5	4	3	11.5	3	4	5	8	17	19	16	22	19	0-05
2-Butanone	120	100,000	<22.7	<22.9	<22.9	<23.5	17.1	<24.3	<20.7	<20.0	<20.5	<24.9	<22.0	<20.3	<21.3	<20.6	<20.4	<21.9	<23.6	<20.4	<22.4	<21.1	<22.8	<20.8	<20.2	<22.3	<22.0	--
Acetone	50	100,000	<22.7	<22.9	<22.9	16.3 J	103	13.7 J	13.6 J	<20.0	<20.5	<24.9	<22.0	<20.3	15.6 J	<20.6	<20.4	<21.9	<23.6	<20.4	<22.4	<21.1	<22.8	<20.8	<20.2	<22.3	29.8 J	--
m,p-Xylene	260	100,000	<4.53	<4.58	<4.58	<4.70	4.36	<4.86	<4.13	2.64 J	<4.09	<4.98	<4.40	<4.06	<4.26	<4.11	<4.08	<4.37	<4.71	<4.08	<4.47	<4.22	<4.76	<4.17	<4.03	<4.45	<4.39	--
Metals																												
Aluminum	NS	NS	6610	4080	8390	--	--	--	4650	--	4630	4900	6060	7000	--	--	--	4140	9880	12600	5490	--	4720	3550	--	3560	4240	5900
Antimony	NS	NS	<3.13	<3.18	<3.15	--	--	--	<3.30	--	<3.23	<3.50	<3.26	<3.24	--	--	--	<3.38	<3.11	2.10 J	<3.08	--	<3.50	<3.52	--	<3.12	<3.22	<3.14
Arsenic	13	16	1.47	1.64	1.70	--	--	--	1.43	--	1.81	1.87	1.51	5.22	--	--	--	1.80	3.61	1.39	1.37 M	--	1.40	0.722	--	1.07	1.41	4.06
Barium	350	350	42.3	34.1	70.7	--	--	--	32.8	--	43.8	34.0	53.1	51.7	--	--	--	32.5	47.7	83.5	51.4 DM	--	44.5	16.9	--	28.9	38.9	42.3
Beryllium	7.2	14	0.308	0.236 J	0.408	--	--	--	0.254 J	--	0.244 J	0.304	0.352	0.431	--	--	--	0.240 J	0.409	1.22	0.346 D	--	0.251 J	0.177 J	--	0.211 J	0.212 J	0.269
Cadmium	2.5	2.5	<0.261	<0.265	<0.263	--	--	--	<0.275	--	<0.269	<0.292	<0.272	<0.270	--	--	--	<0.281	<0.518	<0.279	<0.256	--	0.365	0.180 J	--	0.236 J	<0.269	<0.262
Calcium	NS	NS	25600	36200	8970	--	--	--	36800	--	49200	6580	1660	1880	--	--	--	47200	2480	11300	35500	--	52300	26100	--	43800	50800	39000
Chromium	30	36	8.30	5.86	9.14	--	--	--	6.78	--	8.88	6.91	6.96	8.84	--	--	--	5.71	8.35	5.99	5.20 M	--	9.73	4.99	--	5.71	6.58	9.97
Cobalt	NS	NS	2.77	3.21	3.59	--	--	--	3.38	--	3.07	3.81	3.48	4.11	--	--	--	3.17	5.31	12.4	5.19 DM	--	3.95	2.73 J	--	2.86	3.07	3.72
Copper	50	270	7.31	8.84	8.56	--	--	--	18.9	--	6.76	8.84	8.83	10.2	--	--	--	8.56	7.10	16.3	14.3 DM	--	9.58	5.64	--	4.25	6.63	17.0
Iron	NS	NS	8450	8620	11100	--	--	--	9580	--	8340	9570	9840	11400	--	--	--	8530	16300	33100	12200 D	--	9700	8310	--	7640	8770	9750
Lead	63	400	15.0	1.61	132	--	--	--	1.72	--	151	6.67	2.46	47.6	--	--	--	1.90	21.4	15.8	1.05 M	--	2.45	<0.587	--	1.24	2.47	60.7
Magnesium	NS	NS	8170	7730	4430	--	--	--	8690	--	9770	2980	1400	1800	--	--	--	10400	1780	4510	5570	--	12500	11000	--	12600	11300	9270
Manganese	1600	2,000	203	283	444	--	--	--	306	--	298	484	462	378	--	--	--	267	320	793	371 M	--	398	289	--	249	311	375
Mercury	0.18	0.81	0.0238	0.00505 J	0.101	--	--	--	0.00508 J	--	0.0109	0.0135	0.0131	0.124	--	--	--	<0.00897	0.0498	0.181	0.00493 J	--	<0.00836	<0.00895	--	<0.00833	<0.00766	0.110
Nickel	30	140	6.44	6.06	7.81	--	--	--	6.89	--	6.15	7.32	7.86	7.83	--	--	--	5.71	7.51	12.7	6.82 M	--	7.24	5.81	--	5.25	5.92	7.36
Potassium	NS	NS	1070	999	861	--	--	--	1030	--	983	865	753	695	--	--	--	1130	691	1900	905	--	1200	517	--	849	1020	963
Selenium	3.9	36	0.844 J	0.861 J	<1.05	--	--	--	<1.10	--	0.572 J	<1.17	<1.09	<1.08	--	--	--	0.827 J	<1.04	<1.12	<1.03	--	0.870 J	<1.17	--	0.859 J	1.31	1.36
Sodium	NS	NS	278	110 J	483	--	--	--	119 J	--	214	86.1 J	<136	102 J	--	--	--	101 J	<130	370	579 DM	--	174	121 J	--	139	132 J	101 J
Thallium	NS	NS	<1.30	0.754 J	<1.31	--	--	--	<1.38	--	2.13	<1.46	<1.36	<1.35	--	--	--	1.48	<1.30	<1.40	0.928 JM	--	1.39 J	<1.47	--	1.12 J	2.37	1.19 J
Vanadium	NS	NS	11.4	10.4	15.1	--	--	--	10.9	--	12.4	11.6	12.7	15.1	--	--	--	9.57	15.9	<1.40	21.9 DM	--	11.3	9.47	--	10.1	10.9	11.7
Zinc	109	2,200	23.6	16.5	52.0	--	--	--	18.1	--	29.9	26.4	20.6	54.9	--	--	--	18.3	36.8	66.1	19.6 M	--	24.1	18.2	--	16.3	16.7	60.6

VOC units are in ug/Kg

Metals units are in mg/Kg

Bold result indicates the analyte was detected by laboratory analysis

Highlighted result is above the associated standard

<=Analyzed for but not detected at or above the quantitation limit.

J=Result estimated between the quantitation limit & half the quantitation limit.

D=Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit

M=Matrix spike recoveries outside QC limits. Matrix bias indicated

* VOCs were not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

-- Sample not analyzed for the associated constituent

Table 3: Summary of Detected Compounds in Groundwater
City of Rochester
101-113 Franklin Street, 106 Pleasant Streatt
Rochester NY 14604

<u>cas_rn</u>	<u>chemical_name</u>	TOGS 1.1.1	MW-1	MW-4	MW-D1	MW-D2	MW-D3	MW-D4	MW-D5
VOCs									
67-64-1	Acetone	50	7.64 J	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
156-59-2	cis-1,2-Dichloroethene	5	<2.0	<2.0	<2.00	12.5	<2.00	<2.00	<2.00
79-01-6	Trichloroethene	5	<2.0	<2.0	<2.00	2.27	<2.00	<2.00	<2.00
SVOCs									
105-60-2	Caprolactam	NS	--	850	<10.0	<10.0	<10.0	<10.0	<10.0
84-66-2	Diethyl phthalate	50*	--	<100	51.7	59.4	31.4	22.9	23.2
Metals									
7429-90-5	Aluminum	100	--	--	<0.100	0.217	--	--	--
7440-39-3	Barium	1000	--	--	0.155	0.133	--	--	--
7440-70-2	Calcium	NS	--	--	132	88.5	--	--	--
7439-89-6	Iron	300	--	--	<0.100	0.733	--	--	--
7439-95-4	Magnesium	35,000*	--	--	24.8 M	29.4	--	--	--
7439-96-5	Manganese	300	--	--	0.138	0.154	--	--	--
7440-09-7	Potassium	NS	--	--	7.41 M	10.7	--	--	--
7440-23-5	Sodium	20,000	--	--	154	825	--	--	--

Units are in µg/L

Bold result indicates the analyte was detected by laboratory analysis

Highlighted result is above the associated standard

<=<=Analyzed for but not detected at or above the quantitation limit.

J=Result estimated between the quantitation limit & half the quantitation limit.

-- Sample not analyzed for the associated constituents

APPENDIX A

Test Pit and Soil Boring Logs



Test Pit Log

Test Pit No. TP-1 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of 1
 Approx. Elev. 533 Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 9 ft. length 9 ft. width 8 ft. depth 648 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over 6" crushed stone.
6" to 8.25'	0.0	Dry, loose, brown loam with crushed brick and large blocky stone (up to 1 cf). More brick than stone.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 No tanks or metal objects (anomaly C not found)
 No odors or staining; no C&D debris
 Did not reach bottom of fill due to equipment limitations (excavator could not reach any deeper).





Test Pit Log

Test Pit No. TP-2 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 7 ft length 11 ft width 6.5 ft depth 500.5 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over 6 "crushed stone.
6"-24"	0.0	Fill consisting of dry, loose, brown loam intermixed with brick and brick fragments, stone, some sand and ash. Metal I-beam at surface, encased in concrete (loose in pit).
24"-78"	0.0	Moist, brown, sandy loam.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____

I-beam appears to be anomaly #4 as no other metal was found in pit.





Test Pit Log

Test Pit No. TP-3 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of 2
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 6.5 ft. 8 ft. 4 ft. 208 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-12"	0.0	Asphalt, 6" thick over 6" black sandy crushed stone
12"-48"	0.0	Fill consisting of tan sand intermixed with brick and brick fragments, coarse tan sand with some ash, glass, metal shards and other debris. Loose 2" pipe (30" length) and buried rusted crushed metal drum at 4' depth.
48"		Refusal on Slab at 4 ft.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____

Anomaly #1 appears to be 30" length of water pipe and remnants of a crushed steel drum found in pit.





Test Pit Log

Test Pit No. TP-4 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 8 ft. 8 ft. 5 ft. 320 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-24"	0.0	Asphalt, 2-3" thick over fill consisting of light gray angular rock (limestone, dolostone) intermixed with dry clayey loam. Foundation wall encountered near middle of excavation in E/W direction, then south near the east end of pit.
24"-60"	0.0	Moist, brown clayey loam. Metal conduit and electrical box at southwest corner of pit approximately 2.5-3 ft bgs.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 No tanks or other large metal objects to explain Anomaly #2. A small metal conduit and electrical box are only metal found at approximately 2.5-3 ft bgs.





Test Pit Log

Test Pit No. TP-5 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 7 ft. 7 ft. 5.5 ft. 269.5 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over 3-4" brown sand and gravel.
6"-65"	0.0	Reworked soil/fill consisting of moist, brown clay loam, few large limestone boulders, trace brick. Native clay loam at 5". One inch conduit on south end of excavation running E/W direction approximately 2.5" bgs.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 1" metal conduit pipe is only metal object found. No tanks or other metal to explain anomaly.





Test Pit Log

Test Pit No. TP-6 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 7.5 ft. 9 ft. 5.6 ft 378 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-10"	0.0	Asphalt 1.5" over black sandy soil intermixed with crushed stone, trace brick and wood fragments.
10"-66"	0.0	Moist, brown clayey loam, no debris.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 No metal found to explain Anomaly #3.





Test Pit Log

Test Pit No. TP-7 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 532 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot – SE corner)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 9 ft. 15.25 ft. 6.25 ft. 857.8 cf
 length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick, over 4" crushed stone and sand. Steel I-beam encased in concrete just beneath asphalt.
6"-75"	0.0	Brick intermixed with brown sandy loam, some limestone. Several large pieces of metal. Concrete slab at south perimeter of excavation at 2.25 ft. bgs. over foundation wall. Wall is 4 ft high. Refusal on tile floor at 6.25 ft. bgs.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks:

- Footer or foundation wall is on south end of excavation running E/W – appears to be constructed of field stone and mortar with a plaster skim coat painted dark gray.
- Several metal objects in excavation to explain Anomaly B include a steel safe (22"x24.5"x31"), an I-beam encased in concrete, and several sheets of metal (12"x48")









Test Pit Log

Test Pit No. TP-8 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 534 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 5 ft. length 6 ft. width 4 ft. depth 120 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over crushed stone
6"-48"	112 ppm	Fill consisting of stone and brick intermixed with dry, loose tan/brown mf sand. At 12" bgs, brick wall encountered on east perimeter of excavation. Black soil staining observed on north side of excavation from 6" to approximately 18". A chemical-like odor emanating from pit was noted.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 A chemical-like odor appears to be coming from north perimeter of pit where black staining was observed, but elevated PID readings were not detected on perimeter walls. Elevated PID readings were detected on soils in bucket only.





Test Pit Log

Test Pit No. TP-9 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of 1
 Approx. Elev. 530 ft. Project Number 4318179C Date 7-11-19

Location: 106 Pleasant Street

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 5' length 8' width 5' depth 200 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Topsoil - dry, loose, brown sandy loam
12" - 30"	0.0	Dry, loose, brown sandy loam with some brick (large and small fragments) and light gray angular rock (limestone). Loose 2" steel pipe encountered at 24" deep on north end of excavation. Small amount of sand, ash, debris at bottom of interval.
30"-60"	0.00	Moist, brown fine sandy loam.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 Black film (possibly a vapor barrier) observed on one limestone block
 Pipe appears to be debris, not attached to anything. Approximately 8' in length.





STATE OF TEXAS
COUNTY OF _____

THIS INSTRUMENT IS
FILED FOR RECORD IN BOOK _____
PAGE _____

WE, THE UNDERSIGNED, COUNTY CLERK OF SAID COUNTY, DO HEREBY CERTIFY THAT THE FOREGOING IS THE TRUE AND CORRECT COPY OF THE ORIGINAL AS THE SAME IS FILED IN MY OFFICE THIS _____ DAY OF _____, 20____.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL OF OFFICE AT THE CITY OF _____, TEXAS, THIS _____ DAY OF _____, 20____.

NO.		ACRES		SECTION		TOWNSHIP		RANGE		COUNTY		STATE	
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IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL OF OFFICE AT THE CITY OF _____, TEXAS, THIS _____ DAY OF _____, 20____.

STATE OF TEXAS
COUNTY OF _____



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1. Project Name: _____

2. Client Name: _____

3. Date of Survey: _____

4. Location: _____

5. Purpose of Survey: _____

6. Name of Surveyor: _____

7. Scale: _____

8. Area of Survey: _____

Area	Perimeter	Volume	Remarks

9. Name of Owner: _____

10. Name of Surveyor: _____

11. Name of Witness: _____

12. Name of Witness: _____

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60. Name of Witness: _____

THIS INSTRUMENT IS A TRUE AND CORRECT COPY OF THE ORIGINAL INSTRUMENT AS FILED IN THE PUBLIC RECORDS OF THE COUNTY OF _____, TEXAS, ON _____ 20__ AT _____ O'CLOCK _____ M.

PREPARED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____

NO.	ACRES	SECTION	TOWNSHIP	RANGE	COUNTY	STATE	DESCRIPTION	REMARKS
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TO HAVE AND TO HOLD the above described premises unto the said _____ and _____ heirs, assigns and assigns forever.

IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals at _____, Texas, this _____ day of _____, 20__.

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	101-113 Franklin Street 106 Pleasant Street	BORING BH-22 MW-D1	PROJECT # 4318179C CHKD. BY:
CONTRACTOR: Nature's Way DRILLER: Steve/Nate RE&LS PERSONNEL: L.Zicari	BORING LOCATION: EAST CENTRAL BOUNDARY LINE GROUND SURFACE ELEVATION: N/A DATE: 7/24/2019		


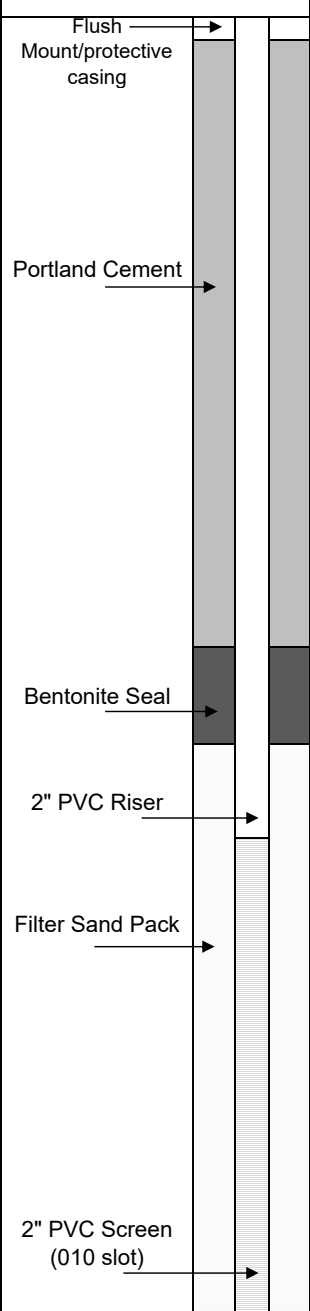
TYPE OF DRILL RIG: Drill Rig CASING SIZE AND TYPE: OVERBURDEN SAMPLING METHOD: Split Spoon ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS


P T H	Sample Data					RECOVERY (%)	REMARKS	PID (ppm)	Well Construction
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)					
1									<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">Flush Mount/protective casing</div> <div style="margin-bottom: 10px;">Portland Cement</div> <div style="margin-bottom: 10px;">Bentonite Seal</div> <div style="margin-bottom: 10px;">2" PVC Riser</div> <div style="margin-bottom: 10px;">Filter Sand Pack</div> <div style="margin-bottom: 10px;">2" PVC Screen (010 slot)</div> </div>
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5	2				50%	Moist, dense, gray clayey silt with orange/brown mottles grading to brown and loose.	0.0		
6	3								
7	5								
8	12	1	4-6	8					
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14									
15	3				50%	Moist, brown silty f sand, tr clay, some gravel	0.1		
16	6								
17	5								
18	5	2	9-11	11					
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LEGEND
 S- Surficial Soil Sample
 SS Subsurface Soil Sample


GENERAL NOTES:
 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
 bgs = below ground surface
 ppm = parts per million

BORING # B22

		101-113 Franklin Street 106 Pleasant Street		BORING BH-23 MW-D2					
CONTRACTOR: Nature's Way DRILLER: Steve/Nate RE&LS PERSONNEL: L.Zicari		BORING LOCATION: EAST CENTRAL BOUNDARY LINE GROUND SURFACE ELEVATION: N/A DATE: 7/24/2019		PROJECT #: 4318179C CHKD. BY:					
TYPE OF DRILL RIG: Drill Rig CASING SIZE AND TYPE: OVERBURDEN SAMPLING METHOD: Split spoon ROCK DRILLING METHOD: NA		WATER LEVEL DATA							
		DATE	TIME	WATER	CASING			REMARKS	
P	Sample Data					PID (ppm)			
T H	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)				
1									
2									
3									
4									
5	6 15 17				80%	Moist, loose, brown silty f sand, tr. Clay, some gravel			
6	17	1	4-6	32		0.4			
7									
8									
9									
10	6 14 16				75%	Moist, loose, brown silty f sand, some gravel. Dense from 10'-11'			
11	17	2	9-11	30		0.2			
12									
13									
14									
15	10 25 33				65%	Moist, dense, brown silty f sand, some gravel. Very dense at 15'. Wet at 16'			
16	26	3	14-16	58		0.2			
17									
18									
19									
20	18 15 50/5				75%	Wet, very dense, brown grading to gray, silty f sand, some gravel to 20'. Saturated, gray very dense silt, tr fine gravel, tr f sand from 20.5'-21'			
21		4	19-20.5	65		0.2			
22									
23									
24									
25	10 27 49				60%	Saturated, loose, gray coarse sand over saturated medium dense/grading to loose, gray silty f sand			
26	50/5	5	24-26	76		0.1			
27									
LEGEND		Refusal 27.0'					SS-23 collected at 19'		
S- Surficial Soil Sample SS Subsurface Soil Sample									
GENERAL NOTES:									
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.									
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.									
bgs = below ground surface									
ppm = parts per million							BORING # B23		

		101-113 Franklin Street 106 Pleasant Street		BORING BH-24 MW-D3			
CONTRACTOR: Nature's Way		BORING LOCATION: EAST CENTRAL BOUNDARY LINE		PROJECT # 4318179C			
DRILLER: Steve/Nate		GROUND SURFACE ELEVATION: N/A		CHKD. BY:			
RE&LS PERSONNEL: L. Zicari		DATE: 7/24/2019					
TYPE OF DRILL RIG: Drill Rig		WATER LEVEL DATA					
CASING SIZE AND TYPE:		DATE	TIME	WATER	CASING	REMARKS	
OVERBURDEN SAMPLING METHOD: Split spoon							
ROCK DRILLING METHOD: NA							
P	Sample Data					PID	Well Construction
T	BLOW	NO.	DEPTH	N-VALUE	RECOVERY	(ppm)	
H	/6"		(FT.)	/RQD(%)	(%)		
1							Flush Mount/protective casing
2							
3							
4							
5	1				20%	0.3	Portland Cement
6	1						
6	0	1	4-6	2			
7							Bentonite Seal
8							
9							
10	4				20%	0.1	
10	13						2" PVC Riser
11	13						
11	10	2	9-11	26			
12							Filter Sand Pack
13							
14							
15	4				75%	0.1	
15	9						2" PVC Screen (010 slot)
16	11						
16	12	3	14-16	20			
17	4				50%	0.1	2" PVC Screen (010 slot)
17	10						
18	22						
18	29	4	16-18	32			
19	29				60%	0.1	Saturated, fine to coarse gravel intermixed with fmc sand.
19	22						
20	24						
20	27	5	18-20	46		0.2	Refusal 22.5
21	10						
21	25						
22	21	6	20-22	56		4.9	
22	29						
23	50/5	7	22-22.5	-			
24							
25							
26							
27							
<p>LEGEND</p> <p>S- Surficial Soil Sample SS Subsurface Soil Sample</p>							
<p>GENERAL NOTES:</p> <p>1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million</p>							
						BORING #	B24

		101-113 Franklin Street 106 Pleasant Street		BORING BH-25 MW-D4			
CONTRACTOR: Nature's Way		BORING LOCATION: EAST CENTRAL BOUNDARY LINE		PROJECT #: 4318179C			
DRILLER: Steve/Nate		GROUND SURFACE ELEVATION: N/A		CHKD. BY:			
RE&LS PERSONNEL: L.Zicari		DATE: 7/25/2019					
TYPE OF DRILL RIG: Drill Rig		WATER LEVEL DATA					
CASING SIZE AND TYPE:		DATE	TIME	WATER	CASING	REMARKS	
OVERBURDEN SAMPLING METHOD: Split spoon							
ROCK DRILLING METHOD: NA							
P T H	Sample Data					PID (ppm)	Well Construction
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	--					0.0	
	7				75%		
	14						
2	12	1	0-2	21		0.2	
	10				40%		
3	5						
	3						
4	4	2	2-4	8			
	7				25%		
5	9					0.1	
	3						
6	3	3	4-6	12			
	2						
7	2				65%		
	3						
8	3	4	6-8	5		0.0	
	3						
9	4				50%		
	16						
10	14	5	8-10	20			
	7						
11	9				50%	0.0	
	14						
12	16	6	10-12	23			
	14						
13	5				70%		
	9						
14	8	7	12-14	14		0.0	
	3						
15	6				75%		
	7						
16	10	8	14-16	13			
	3						
17	9				70%		
	9						
18	13	9	16-18	18		0.1	
	7						
19	21				75%		
	31						
20	43	10	18-20	52		0.1	
	9						
21	27				75%	0.1	
	32						
22	31	11	20-22	59			
	16						
23	20				50%	0.1	
	21						
24	27	12	22-26	41			
	7						
25	33				75%	0.1	
	50/4	13	24-25	>50			
26							
27							
Refusal 25.5' SS-25 collected from 21.5'-22'							
LEGEND S- Surficial Soil Sample SS Subsurface Soil Sample							
GENERAL NOTES: 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million							
						BORING #	B25

CONTRACTOR: Nature's Way DRILLER: Steve/Nate RE&LS PERSONNEL: L.Zicari			Street 106 Pleasant Street			BORING BH-26 MW-D5 PROJECT #: 4318179C CHKD. BY:					
BORING LOCATION: EAST CENTRAL BOUNDARY LINE GROUND SURFACE ELEVATION: N/A DATE: 7/26/2019						WATER LEVEL DATA					
TYPE OF DRILL RIG: Drill Rig CASING SIZE AND TYPE: OVERBURDEN SAMPLING ME: Split spoon ROCK DRILLING METHOD: NA						DATE	TIME	WATER		CASING	REMARKS
P T H	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)					PID (ppm)	Well Construction
1	3					8" topsoil over 4' concrete			0.0	Flush Mount/protective casing	
	7				75%						
2	9	1	0-2	14		Dry, loose, dark brown sandy loam. Brick fragments and rock from 3'-3.25'			0.0	Portland Cement	
	8				75%				0.0		
3	11										
	9										
4	9	2	2-4	20		Dry, med dense/soft dark brown loam, some gravel			0.0	Bentonite Seal	
	3				75%				0.0		
5	10										
	16										
6	20	3	4-6	26		Dry, dense/stiff dark brown loam, some gravel			0.0	2" PVC Riser	
	8				75%				0.0		
7	15										
	21										
8	24	4	6-8	36		Dry, dense/stiff dark brown loam, some gravel			0.0	Filter Sand Pack	
	9				75%				0.0		
9	15										
	19										
10	22	5	8-10	34		Moist, dense, light brown, silty f sand, some gravel			0.0	2" PVC Screen (010 slot)	
	7				60%				0.0		
11	18										
	21										
12	21	6	10-12	34		Saturated, dense, light brown silty f sand			0.0	Refusal 25.3' SS-26 collected from 18.5'-19'	
	4				60%				0.0		
13	11										
	13										
14	16	7	12-14	24		Wet, dense, light brown, silty f sand			0.0	Refusal 25.3' SS-26 collected from 18.5'-19'	
	3				60%				0.0		
15	7										
	14										
16	19	8	14-16	23		Saturated, dense, fmc sand, fmc gravel			0.0	Refusal 25.3' SS-26 collected from 18.5'-19'	
	7				60%				0.0		
17	18										
	24										
18	26	9	16-18	42		Saturated, dense, light brown silty f sand			0.0	Refusal 25.3' SS-26 collected from 18.5'-19'	
	17				60%				0.0		
19	28										
	32										
20	30	10	18-20	60		Wet, dense, light brown, silty f sand			0.0	Refusal 25.3' SS-26 collected from 18.5'-19'	
	10				50%				0.0		
21	27										
	50/5	11	20-21.5	72							
22	12					Saturated, dense, fmc sand, fmc gravel			0.0	Refusal 25.3' SS-26 collected from 18.5'-19'	
	36				40%				0.0		
23	33										
	34	12	22-24	69							
24	18					Saturated, dense, fmc sand, fmc gravel			0.0	Refusal 25.3' SS-26 collected from 18.5'-19'	
	50/5	13	24-25	-	40%				0.0		
25											
26										Refusal 25.3' SS-26 collected from 18.5'-19'	
27											

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

BORING # B26

APPENDIX B

Low-Flow Sampling Logs

LOW-FLOW SAMPLING DATA LOG

Site Location: 101-113 Franklin Street							Well ID: MW-D1							
Client: City of Rochester							START Depth to Water: 14.27							
Project Number: 4318179C							Depth to Bottom: 17.1							
Date of Sampling: 8-7-19							Well Information: 2" PVC - 10' Screen							
Field Personnel: LZ							Weather Conditions: 75 Rain							
PURGING METHOD: Peristaltic pump, low flow							Pump Intake Depth: 16							
Time Elapsed (Min)	pH (± 0.1 unit)		SPECIFIC CONDUCTIVITY (mS/cm)		Redox Potential (mV)		DISSOLVED OXYGEN (MG/L)		TURBIDITY (NTU)		TEMPERATURE ©		FLOW RATE (ml/min)	Water Level
	READING	CHANGE	READING	CHANGE %	READING	CHANGE	READING	CHANGE %	READING	CHANGE %	READING	CHANGE %		
1220	7.00		1.323		76.5		5.57		27.5		18.9		100	14.46
1225	6.79	0.21	1.315	0.605	29.0	47.5	5.28	5.2	31.5	-14.5	18.2	3.7	100	14.46
1240	6.8	-0.01	1.336	-1.597	24.0	5.0	5.41	-2.5	4.8	84.9	19.3	-6.0	100	14.46
1245	6.78	0.02	1.341	-0.374	14.3	9.7	5.07	6.3	2.7	43.4	19.2	0.5	70	14.46
1250	6.72	0.06	1.332	0.671	2.3	12.0	4.24	16.4	-0.5	117.8	18.9	1.6	70	14.48
1255	6.69	0.03	1.331	0.075	3.7	-1.4	3.72	12.3	-3.0	-520.8	18.9	0.0	70	14.48
1300	6.67	0.02	1.333	-0.150	-3.6	7.3	2.98	19.9	-4.2	-40.9	18.8	0.5	50	14.48
1305	6.67	0.00	1.351	-1.350	-37.7	34.1	3.62	-21.5	-3.2	23.8	19.1	-1.6	70	14.48
1310	6.66	0.01	1.388	-2.739	-60.7	23.0	2.36	34.8	-2.8	13.8	18.7	2.1	70	14.49
1315	6.65	0.01	1.386	0.144	-64.1	3.4	2.30	2.5	-2.7	2.2	18.8	-0.5	70	14.49
1320	6.65	0.00	1.388	-0.144	-62.7	-1.4	2.27	1.3	-2.1	23.7	18.9	-0.5	70	14.49
1325	6.65	0.00	1.395	-0.504	-69.0	6.3	2.04	10.1	-1.3	37.9	18.7	1.1	70	14.49
1330	6.65	0.00	1.404	-0.645	-78.1	9.1	1.98	2.9	-1.1	18.0	18.7	0.0	70	14.49

Notes:

- 1.25 gallons generated during low flow sampling
- 3 gallons generated during purging
- P10 Headspace = 1.0 ppm

LOW-FLOW SAMPLING DATA LOG

Site Location: 101-113 Franklin Street							Well ID: MW-D2							
Client: City of Rochester							START Depth to Water: 13.3							
Project Number: 4318179C							Depth to Bottom: 25.51							
Date of Sampling: 8-7-19							Well Information: 2" PVC, 70' screen							
Field Personnel: LZ							Weather Conditions: Cloudy, 70 degrees							
PURGING METHOD: Peristaltic pump, low flow							Pump Intake Depth: 21.5 feet							
Time Elapsed (Min)	pH (± 0.1 unit)		SPECIFIC CONDUCTIVITY (mS/cm)		Redox Potential (mV)		DISSOLVED OXYGEN (MG/L)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		FLOW RATE (ml/min)	Water Level (ft.)
	READING	CHANGE	READING	CHANGE %	READING	CHANGE	READING	CHANGE %	READING	CHANGE %	READING	CHANGE %		
8:36	7.43		0.002				8.58		182		20.7		110	13.70
8:40	7.45	-0.02	1.269	-63350	119.0		1.68	80.4	89	51.1	16.7	19.3	110	13.70
8:55	7.43	0.02	1.480	-16.6273	115.1	3.9	1.41	16.1	103	-15.7	17.0	-1.8	115	13.70
9:00	7.42	0.01	1.610	-8.78378	110.3	4.8	1.70	-20.6	130	-26.2	17.0	0.0	115	13.70
9:05	7.40	0.02	1.780	-10.559	98.6	11.7	1.21	28.8	115	11.5	16.9	0.6	115	13.70
9:13	7.38	0.02	2.010	-12.9213	63.4	35.2	1.04	14.0	107	7.0	17.0	-0.6	115	13.70
9:20	7.31	0.07	2.620	-30.3483	6.6	56.8	1.23	-18.3	75	29.9	16.8	1.2	115	13.70
9:25	7.25	0.06	3.220	-22.9008	39.2	-32.6	1.37	-11.4	48	36.0	17.1	-1.8	115	13.70
9:30	7.21	0.04	3.470	-7.76398	-56.7	95.9	1.26	8.0	43	10.4	17.0	0.6	115	13.70
9:35	7.17	0.04	3.660	-5.4755	-71.2	14.5	1.23	2.4	41	4.7	17.0	0.0	115	13.70
9:40	7.16	0.01	3.860	-5.46448	-87.9	16.7	1.05	14.6	23	43.9	17.0	0.0	115	13.65
9:45	7.15	0.01	3.960	-2.59067	-98.9	11.0	0.92	12.4	24	-4.3	17.3	-1.8	115	13.65
9:50	7.14	0.01	4.100	-3.53535	-106.2	7.3	0.97	-5.4	23	4.2	17.7	-2.3	115	13.65
9:55	7.14	0	4.120	-0.4878	-108.1	1.9	0.90	7.2	24	-4.3	17.8	-0.6	115	13.65
10:00	7.15	-0.01	4.130	-0.24272	-106.3	-1.8	0.92	-2.2	25	-4.2	17.9	-0.6	115	13.65
10:05	7.14	0.01	4.120	0.242131	-108.0	1.7	0.95	-3.3	27	-8.0	17.7	1.1	115	13.65

Notes:

- 3 gallons generated during low flow sampling
- 3 gallons generated during purging
- P10 Headspace 1.0 ppm
- 12.21 ft of water in well X 1.163=1.99 gallons X 3 well vols = 5.97 gallon

LOW-FLOW SAMPLING DATA LOG

Site Location: 101-113 Franklin Street	Well ID: MW-D3
Client: City of Rochester	START Depth to Water: 14.49
Project Number: 4318179C	Depth to Bottom: 21.22
Date of Sampling: 8-8-19	Well Information: 2" PVC, 10' screen
Field Personnel: LZ	Weather Conditions: Clear
PURGING METHOD: Peristaltic pump, low flow	Pump Intake Depth: 18.2 feet

Time Elapsed (Min)	pH (± 0.1 unit)		SPECIFIC CONDUCTIVITY (mS/cm)		Redox Potential (mV)		DISSOLVED OXYGEN (MG/L)		TURBIDITY (NTU)		TEMPERATURE (C)		FLOW RATE (ml/min)	Water Level
	READING	CHANGE	READING	CHANGE %	READING	CHANGE	READING	CHANGE %	READING	CHANGE %	READING	CHANGE %		
8:00	8.13		1.106		116.20		5.60		134		19.2		150	14.70
8:10	8.01	0.12	1.087	-1.718	118.3	-2.10	4.89	12.7	390	-191.0	16.6	13.54	120	14.74
8:15	7.90	0.11	1.095	-0.736	118.6	-0.30	4.45	9.0	824	-111.3	16.4	1.20		
8:20	7.80	0.10	1.104	-0.822	117.7	0.90	3.56	20.0	625	24.2	16.5	-0.61		
8:25	7.68	0.12	1.111	-0.634	116.4	1.30	3.16	11.2	446	28.6	16.6	-0.61	110	14.65
8:30	7.56	0.12	1.117	-0.540	115.3	1.10	2.90	8.2	350	21.5	16.6	0.00		
8:35	7.41	0.15	1.125	-0.716	112.8	2.50	2.65	8.6	248	29.1	16.6	0.00		
8:40	7.40	0.01	1.124	0.089	107.2	5.60	2.60	1.9	195	21.4	16.6	0.00		
8:45	7.30	0.10	1.125	-0.089	100.0	7.20	2.44	6.2	153	21.5	16.5	0.60	110	14.66
8:50	7.28	0.02	1.134	-0.800	92.8	7.20	2.13	12.7	112	26.8	16.5	0.00		
8:55	7.24	0.04	1.138	-0.353	83.0	9.80	1.86	12.7	86	23.2	16.6	-0.61		
9:00	7.24	0.00	1.138	0.000	75.5	7.50	2.17	-16.7	86	0.0	16.6	0.00		
9:05	7.18	0.06	1.146	-0.703	69.3	6.20	2.11	2.8	49	43.0	16.5	0.60	120	14.65
9:10	7.17	0.01	1.147	-0.087	58.9	10.40	2.03	3.8	52	-6.1	16.5	0.00		
9:15	7.15	0.02	1.151	-0.349	52.2	6.70	1.92	5.4	46	11.5	16.5	0.00		
9:30	7.11	0.04	1.156	-0.434	45.1	7.10	1.87	2.6	49	-6.5	16.5	0.00		
9:35	7.09	0.02	1.158	-0.173	38.4	6.70	1.84	1.6	45	8.2	16.5	0.00		
9:40	7.08	0.01	1.163	-0.432	32.2	6.20	1.67	9.2	42	6.7	16.5	0.00		

Notes:

- 3 gallons removed during low flow sampling
- 3 gallons removed during purging
- P10 Headspace = 1.0 ppm
- 6.73 ft of water in well X 0.163=1.09 gallons X 3 well vols = 3.29 gallon (3 well vols)

LOW-FLOW SAMPLING DATA LOG

Site Location: 101-113 Franklin Street	Well ID: MW-D4
Client: City of Rochester	START Depth to Water: 16.40'
Project Number: 4318179C	Depth to Bottom: 24.48
Date of Sampling: 8-8-19	Well Information: 2" PVC, 10' screen
Field Personnel: LZ	Weather Conditions: Cloudy, thunderstorms
PURGING METHOD: Peristaltic pump, low flow	Pump Intake Depth: 20.5 feet

Time	pH		SPECIFIC CONDUCTIVITY (mS/cm)		Redox Potential (mV)		DISSOLVED OXYGEN (MG/L)		TURBIDITY (NTU) (10%>5)		TEMPERATURE (degrees C)		FLOW RATE (ml/min)	Water Level
	READING	CHANGE	READING	% CHANGE	READING	CHANGE (mV)	READING	CHANGE %	READING	CHANGE %	READING	CHANGE %		
1455	9.20		2.059				5.53		101.4		17.0		110	16.74
1500	7.91	1.29	2.060	-0.049	63.8		5.46	1.27	111	-9.5	17.2	-1.2	110	16.74
1505	7.80	0.11	2.061	-0.049	31.5	32.3	5.22	4.40	126	-13.5	17.3	-0.6	110	16.74
1510	7.72	0.08	2.059	0.097	63.6	-32.1	5.16	1.15	135	-7.1	17.2	0.6	110	16.74
1515	7.62	0.10	2.060	-0.049	67.3	-3.7	5.15	0.19	115	14.8	17.6	-2.3	110	16.74
1525	7.44	0.18	2.055	0.243	70.1	-2.8	4.90	4.85	141	-22.6	16.9	4.0	110	16.74
1530	7.47	-0.03	2.031	1.168	77.8	-7.7	4.69	4.29	134	5.0	17.0	-0.6	102	17.05
1535	7.51	-0.04	2.039	-0.394	73.1	4.7	4.11	12.37	102	23.9	17.0	0.0	102	17.05
1540	7.49	0.02	2.040	-0.049	73.7	-0.6	4.08	0.73	103	-1.0	16.9	0.6	102	17.05
1545	7.46	0.03	2.036	0.196	74.8	-1.1	3.82	6.37	97	5.8	17.0	-0.6	102	17.05
1550	7.43	0.03	2.032	0.196	75.8	-1.0	3.64	4.71	86	11.3	17.0	0.0	102	17.05
1555	7.45	-0.02	2.026	0.295	73.9	1.9	3.42	6.04	79	8.1	16.9	0.6	102	17.05
1600	7.37	0.08	2.027	-0.049	78.4	-4.5	3.30	3.51	75	5.1	16.8	0.6	102	17.05
1605	7.35	0.02	2.027	0.000	78.6	-0.2	3.18	3.64	71	5.3	16.7	0.6	102	17.05
1610	7.36	-0.01	2.028	-0.049	77.7	0.9	3.06	3.77	76	-7.0	16.8	-0.6	102	17.05
1615	7.36	0.00	2.024	0.197	75.0	2.7	2.95	3.59	80	-5.3	16.8	0.0	102	17.05
1620	7.46	-0.10	2.019	0.247	66.1	8.9	2.8	5.08	85	-6.3	16.9	-0.6	102	17.05
1625	7.54	-0.08	2.013	0.297	62	4.1	2.75	1.79	90	-5.9	16.8	0.6	102	17.05
1630	7.64	-0.10	2.011	0.099	53.3	8.7	2.69	2.18	85	5.6	16.7	0.6	102	17.05
1635	7.81	-0.17	1.996	0.746	41.3	12.0	2.55	5.20	83	2.4	16.7	0.0	102	17.05
1640	7.80	0.01	1.990	0.301	39.7	1.6	2.43	4.71	77	7.2	16.6	0.6	102	17.05
1645	7.78	0.02	1.987	0.151	37.1	2.6	2.31	4.94	75	2.6	16.7	-0.6	102	17.05
1650	7.84	-0.06	1.981	0.302	29.2	7.9	2.22	3.90	73	2.7	16.7	0.0	102	17.05
1655	7.79	0.05	1.983	-0.101	25.1	4.1	2.09	5.86	67	8.2	16.9	-1.2	102	17.05

3 gallons removed during low flow sampling

3 gallons removed during surging

PID Headspace = 1.8 ppm

8.081 ft of water in well X 0.163=1.317 gallons X 3 well vols = 3.95 gallons (3 well vols)

LOW-FLOW SAMPLING DATA LOG

Site Location: 101-113 Franklin Street							Well ID: MW-D5							
Client: City of Rochester							START Depth to Water: 18.32							
Project Number: 4318179C							Depth to Bottom: 24.22							
Date of Sampling: 8-8-19							Well Information: 2" PVC, 10' screen							
Field Personnel: LZ							Weather Conditions: Sunny, 80 degrees							
PURGING METHOD: Peristaltic pump, low flow							Pump Intake Depth: 21.5 feet							
Time Elapsed (Min)	pH (± 0.1 unit)		SPECIFIC CONDUCTIVITY (mS/cm)		Redox Potential (mV)		DISSOLVED OXYGEN (MG/L)		TURBIDITY (NTU)		TEMPERATURE (C)		FLOW RATE (ml/min)	Water Level
	READING	CHANGE	READING	CHANGE %	READING	CHANGE	READING	CHANGE %	READING	CHANGE %	READING	CHANGE %		
11:40:00 AM	8.71		0.923		-16.70		4.53		161		15.1		120	18.33
11:45:00 AM	8.78	-0.07	0.927	-0.433	-21.5	4.80	4.08	9.9	137	14.9	15.7	-4.0	120	18.48
11:50:00 AM	8.85	-0.07	0.933	-0.647	-38.3	16.80	3.59	12.0	134	2.2	15.5	1.3		
11:55:00 AM	8.84	0.01	0.940	-0.750	-55.2	16.90	3.16	12.0	110	17.9	15.3	1.3		
12:00:00 PM	8.81	0.03	0.945	-0.532	-66.4	11.20	2.90	8.2	96	12.7	15.1	1.3	120	18.48
12:05:00 PM	8.76	0.05	0.949	-0.423	-71.3	4.90	2.68	7.6	91	5.2	15.2	-0.7		
12:10:00 PM	8.67	0.09	0.956	-0.738	-74.1	2.80	2.46	8.2	90	1.1	14.9	2.0		
12:15:00 PM	8.52	0.15	0.958	-0.209	-67.3	-6.80	2.42	1.6	85	5.6	14.8	0.7		
12:20:00 PM	8.31	0.21	0.958	0.000	-58.0	-9.30	2.42	0.0	90	-5.9	14.7	0.7		
12:25:00 PM	7.82	0.49	0.962	-0.418	-29.0	-29.00	2.43	-0.4	95	-5.6	14.4	2.0		
12:30:00 PM	7.40	0.42	0.963	-0.104	-12.5	-16.50	2.37	2.5	99	-4.2	14.2	1.4		18.48
12:35:00 PM	7.30	0.10	0.963	0.000	-9.4	-3.10	2.32	2.1	105	-6.1	13.9	2.1		
12:40:00 PM	7.26	0.04	0.965	-0.208	-10.3	0.90	2.25	3.0	112	-6.7	13.8	0.7		
12:45:00 PM	7.23	0.03	0.965	0.000	-10.8	0.50	2.23	0.9	114	-1.8	13.8	0.0		
12:50:00 PM	7.21	0.02	0.969	-0.415	-13.2	2.40	2.12	4.9	105	7.9	13.8	0.0		
12:55:00 PM	7.20	0.01	0.970	-0.103	-16.4	3.20	2.06	2.8	105	0.0	13.8	0.0		18.48
13:00:00 PM	7.19	0.01	0.970	0.000	-20.7	4.30	2.01	2.4	113	-7.6	13.8	0.0		
13:05:00 PM	7.17	0.02	0.972	-0.206	-22.6	1.90	1.96	2.5	124	-9.7	13.8	0.0		
13:10:00 PM	7.15	0.02	0.973	-0.103	-23.5	0.90	1.90	3.1	145	-16.9	13.7	0.7		
13:15:00 PM	7.15	0.00	0.975	-0.206	-25.1	1.60	1.86	2.1	145	0.0	13.7	0.0		
13:20:00 PM	7.14	0.01	0.980	-0.513	-25.7	0.60	1.83	1.6	151	-4.1	13.7	0.0		
13:25:00 PM	7.12	0.02	0.981	-0.102	-24.6	-1.10	1.80	1.6	160	-6.0	13.6	0.7		18.48
13:30:00 PM	7.11	0.01	0.984	-0.306	-24.3	-0.30	1.75	2.8	165	-3.1	13.7	-0.7		
13:30:00 PM	7.10	0.01	0.985	-0.102	-24.7	0.40	1.72	1.7	166	-0.6	13.8	-0.7		
13:40:00 PM	7.10	0.0	0.983	0.203	-24.1	-0.60	1.70	1.2	172	-3.6	13.8	0.0		

Notes:

- 4.25 gallons generated during low flow sampling
- 3' Removed during surging of wells
- PID Headspace = 3.2 ppm
- 5.9' ft of water X 0.163=1.96 gallons X 3 well vols = 2.88 gallons

APPENDIX C

Laboratory Data



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.0238	mg/Kg		7/22/2019 09:49

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	6610	mg/Kg		7/23/2019 10:26
Antimony	< 3.13	mg/Kg		7/23/2019 10:26
Arsenic	1.47	mg/Kg		7/23/2019 10:26
Barium	42.3	mg/Kg		7/23/2019 10:26
Beryllium	0.308	mg/Kg		7/23/2019 10:26
Cadmium	< 0.261	mg/Kg		7/23/2019 20:18
Calcium	25600	mg/Kg		7/23/2019 10:26
Chromium	8.30	mg/Kg		7/23/2019 10:26
Cobalt	2.77	mg/Kg		7/23/2019 10:26
Copper	7.31	mg/Kg		7/23/2019 10:26
Iron	8450	mg/Kg		7/23/2019 10:26
Lead	15.0	mg/Kg		7/23/2019 10:26
Magnesium	8170	mg/Kg		7/23/2019 10:26
Manganese	203	mg/Kg		7/23/2019 10:26
Nickel	6.44	mg/Kg		7/23/2019 10:26
Potassium	1070	mg/Kg		7/23/2019 10:26
Selenium	0.844	mg/Kg	J	7/23/2019 10:26
Silver	< 0.522	mg/Kg		7/23/2019 10:26
Sodium	278	mg/Kg		7/23/2019 10:26
Thallium	< 1.30	mg/Kg		7/23/2019 20:18
Vanadium	11.4	mg/Kg		7/23/2019 10:26
Zinc	23.6	mg/Kg		7/23/2019 10:26

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1221	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1232	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1242	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1248	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1254	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1260	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1262	< 0.151	mg/Kg		7/23/2019 02:33
PCB-1268	< 0.151	mg/Kg		7/23/2019 02:33

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	75.1	21.7 - 82.5		7/23/2019 02:33

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 7/22/2019

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 313	ug/Kg		7/24/2019 01:38
1,2,4,5-Tetrachlorobenzene	< 313	ug/Kg		7/24/2019 01:38
1,2,4-Trichlorobenzene	< 313	ug/Kg		7/24/2019 01:38
1,2-Dichlorobenzene	< 313	ug/Kg		7/24/2019 01:38
1,3-Dichlorobenzene	< 313	ug/Kg		7/24/2019 01:38
1,4-Dichlorobenzene	< 313	ug/Kg		7/24/2019 01:38
2,2-Oxybis (1-chloropropane)	< 313	ug/Kg		7/24/2019 01:38
2,3,4,6-Tetrachlorophenol	< 313	ug/Kg		7/24/2019 01:38
2,4,5-Trichlorophenol	< 313	ug/Kg		7/24/2019 01:38
2,4,6-Trichlorophenol	< 313	ug/Kg		7/24/2019 01:38
2,4-Dichlorophenol	< 313	ug/Kg		7/24/2019 01:38
2,4-Dimethylphenol	< 313	ug/Kg		7/24/2019 01:38
2,4-Dinitrophenol	< 1250	ug/Kg		7/24/2019 01:38
2,4-Dinitrotoluene	< 313	ug/Kg		7/24/2019 01:38
2,6-Dinitrotoluene	< 313	ug/Kg		7/24/2019 01:38
2-Chloronaphthalene	< 313	ug/Kg		7/24/2019 01:38
2-Chlorophenol	< 313	ug/Kg		7/24/2019 01:38
2-Methylnaphthalene	< 313	ug/Kg		7/24/2019 01:38
2-Methylphenol	< 313	ug/Kg		7/24/2019 01:38
2-Nitroaniline	< 313	ug/Kg		7/24/2019 01:38
2-Nitrophenol	< 313	ug/Kg		7/24/2019 01:38
3&4-Methylphenol	< 313	ug/Kg		7/24/2019 01:38
3,3'-Dichlorobenzidine	< 313	ug/Kg		7/24/2019 01:38

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-1			Date Sampled:	7/17/2019
Lab Sample ID:	193386-01			Date Received:	7/19/2019
Matrix:	Soil				
3-Nitroaniline	< 313	ug/Kg		7/24/2019	01:38
4,6-Dinitro-2-methylphenol	< 625	ug/Kg		7/24/2019	01:38
4-Bromophenyl phenyl ether	< 313	ug/Kg		7/24/2019	01:38
4-Chloro-3-methylphenol	< 313	ug/Kg		7/24/2019	01:38
4-Chloroaniline	< 313	ug/Kg		7/24/2019	01:38
4-Chlorophenyl phenyl ether	< 313	ug/Kg		7/24/2019	01:38
4-Nitroaniline	< 313	ug/Kg		7/24/2019	01:38
4-Nitrophenol	< 313	ug/Kg		7/24/2019	01:38
Acenaphthene	< 313	ug/Kg		7/24/2019	01:38
Acenaphthylene	< 313	ug/Kg		7/24/2019	01:38
Acetophenone	< 313	ug/Kg		7/24/2019	01:38
Anthracene	< 313	ug/Kg		7/24/2019	01:38
Atrazine	< 313	ug/Kg		7/24/2019	01:38
Benzaldehyde	< 313	ug/Kg		7/24/2019	01:38
Benzo (a) anthracene	< 313	ug/Kg		7/24/2019	01:38
Benzo (a) pyrene	< 313	ug/Kg		7/24/2019	01:38
Benzo (b) fluoranthene	< 313	ug/Kg		7/24/2019	01:38
Benzo (g,h,i) perylene	< 313	ug/Kg		7/24/2019	01:38
Benzo (k) fluoranthene	< 313	ug/Kg		7/24/2019	01:38
Bis (2-chloroethoxy) methane	< 313	ug/Kg		7/24/2019	01:38
Bis (2-chloroethyl) ether	< 313	ug/Kg		7/24/2019	01:38
Bis (2-ethylhexyl) phthalate	< 313	ug/Kg		7/24/2019	01:38
Butylbenzylphthalate	< 313	ug/Kg		7/24/2019	01:38
Caprolactam	< 313	ug/Kg		7/24/2019	01:38
Carbazole	< 313	ug/Kg		7/24/2019	01:38

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-1			
Lab Sample ID:	193386-01		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019

Chrysene	< 313	ug/Kg	7/24/2019	01:38
Dibenz (a,h) anthracene	< 313	ug/Kg	7/24/2019	01:38
Dibenzofuran	< 313	ug/Kg	7/24/2019	01:38
Diethyl phthalate	< 313	ug/Kg	7/24/2019	01:38
Dimethyl phthalate	< 313	ug/Kg	7/24/2019	01:38
Di-n-butyl phthalate	< 313	ug/Kg	7/24/2019	01:38
Di-n-octylphthalate	< 313	ug/Kg	7/24/2019	01:38
Fluoranthene	< 313	ug/Kg	7/24/2019	01:38
Fluorene	< 313	ug/Kg	7/24/2019	01:38
Hexachlorobenzene	< 313	ug/Kg	7/24/2019	01:38
Hexachlorobutadiene	< 313	ug/Kg	7/24/2019	01:38
Hexachlorocyclopentadiene	< 1250	ug/Kg	7/24/2019	01:38
Hexachloroethane	< 313	ug/Kg	7/24/2019	01:38
Indeno (1,2,3-cd) pyrene	< 313	ug/Kg	7/24/2019	01:38
Isophorone	< 313	ug/Kg	7/24/2019	01:38
Naphthalene	< 313	ug/Kg	7/24/2019	01:38
Nitrobenzene	< 313	ug/Kg	7/24/2019	01:38
N-Nitroso-di-n-propylamine	< 313	ug/Kg	7/24/2019	01:38
N-Nitrosodiphenylamine	< 313	ug/Kg	7/24/2019	01:38
Pentachlorophenol	< 625	ug/Kg	7/24/2019	01:38
Phenanthrene	< 313	ug/Kg	7/24/2019	01:38
Phenol	< 313	ug/Kg	7/24/2019	01:38
Pyrene	< 313	ug/Kg	7/24/2019	01:38

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	53.9	34.9 - 92.6		7/24/2019 01:38
2-Fluorobiphenyl	58.3	39 - 77.6		7/24/2019 01:38
2-Fluorophenol	63.1	39.1 - 76.8		7/24/2019 01:38
Nitrobenzene-d5	58.2	35.4 - 75.3		7/24/2019 01:38
Phenol-d5	62.7	40.4 - 77.7		7/24/2019 01:38
Terphenyl-d14	65.4	42 - 93.5		7/24/2019 01:38

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/22/2019

Data File: B39091.D

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.53	ug/Kg		7/22/2019 14:37
1,1,2,2-Tetrachloroethane	< 4.53	ug/Kg		7/22/2019 14:37
1,1,2-Trichloroethane	< 4.53	ug/Kg		7/22/2019 14:37
1,1-Dichloroethane	< 4.53	ug/Kg		7/22/2019 14:37
1,1-Dichloroethene	< 4.53	ug/Kg		7/22/2019 14:37
1,2,3-Trichlorobenzene	< 11.3	ug/Kg		7/22/2019 14:37
1,2,4-Trichlorobenzene	< 11.3	ug/Kg		7/22/2019 14:37
1,2,4-Trimethylbenzene	< 4.53	ug/Kg		7/22/2019 14:37
1,2-Dibromo-3-Chloropropane	< 22.7	ug/Kg		7/22/2019 14:37
1,2-Dibromoethane	< 4.53	ug/Kg		7/22/2019 14:37
1,2-Dichlorobenzene	< 4.53	ug/Kg		7/22/2019 14:37
1,2-Dichloroethane	< 4.53	ug/Kg		7/22/2019 14:37
1,2-Dichloropropane	< 4.53	ug/Kg		7/22/2019 14:37
1,3,5-Trimethylbenzene	< 4.53	ug/Kg		7/22/2019 14:37
1,3-Dichlorobenzene	< 4.53	ug/Kg		7/22/2019 14:37
1,4-Dichlorobenzene	< 4.53	ug/Kg		7/22/2019 14:37
1,4-Dioxane	< 45.3	ug/Kg		7/22/2019 14:37
2-Butanone	< 22.7	ug/Kg		7/22/2019 14:37
2-Hexanone	< 11.3	ug/Kg		7/22/2019 14:37
4-Methyl-2-pentanone	< 11.3	ug/Kg		7/22/2019 14:37
Acetone	< 22.7	ug/Kg		7/22/2019 14:37
Benzene	< 4.53	ug/Kg		7/22/2019 14:37
Bromochloromethane	< 11.3	ug/Kg		7/22/2019 14:37

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-1			
Lab Sample ID:	193386-01		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019
Bromodichloromethane	< 4.53	ug/Kg	7/22/2019	14:37
Bromoform	< 11.3	ug/Kg	7/22/2019	14:37
Bromomethane	< 4.53	ug/Kg	7/22/2019	14:37
Carbon disulfide	< 4.53	ug/Kg	7/22/2019	14:37
Carbon Tetrachloride	< 4.53	ug/Kg	7/22/2019	14:37
Chlorobenzene	< 4.53	ug/Kg	7/22/2019	14:37
Chloroethane	< 4.53	ug/Kg	7/22/2019	14:37
Chloroform	< 4.53	ug/Kg	7/22/2019	14:37
Chloromethane	< 4.53	ug/Kg	7/22/2019	14:37
cis-1,2-Dichloroethene	< 4.53	ug/Kg	7/22/2019	14:37
cis-1,3-Dichloropropene	< 4.53	ug/Kg	7/22/2019	14:37
Cyclohexane	< 22.7	ug/Kg	7/22/2019	14:37
Dibromochloromethane	< 4.53	ug/Kg	7/22/2019	14:37
Dichlorodifluoromethane	< 4.53	ug/Kg	7/22/2019	14:37
Ethylbenzene	< 4.53	ug/Kg	7/22/2019	14:37
Freon 113	< 4.53	ug/Kg	7/22/2019	14:37
Isopropylbenzene	< 4.53	ug/Kg	7/22/2019	14:37
m,p-Xylene	< 4.53	ug/Kg	7/22/2019	14:37
Methyl acetate	< 4.53	ug/Kg	7/22/2019	14:37
Methyl tert-butyl Ether	< 4.53	ug/Kg	7/22/2019	14:37
Methylcyclohexane	< 4.53	ug/Kg	7/22/2019	14:37
Methylene chloride	< 11.3	ug/Kg	7/22/2019	14:37
Naphthalene	< 11.3	ug/Kg	7/22/2019	14:37
n-Butylbenzene	< 4.53	ug/Kg	7/22/2019	14:37
n-Propylbenzene	< 4.53	ug/Kg	7/22/2019	14:37

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-1

Lab Sample ID: 193386-01

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.53	ug/Kg	7/22/2019	14:37
p-Isopropyltoluene	< 4.53	ug/Kg	7/22/2019	14:37
sec-Butylbenzene	< 4.53	ug/Kg	7/22/2019	14:37
Styrene	< 11.3	ug/Kg	7/22/2019	14:37
tert-Butylbenzene	< 4.53	ug/Kg	7/22/2019	14:37
Tetrachloroethene	< 4.53	ug/Kg	7/22/2019	14:37
Toluene	< 4.53	ug/Kg	7/22/2019	14:37
trans-1,2-Dichloroethene	< 4.53	ug/Kg	7/22/2019	14:37
trans-1,3-Dichloropropene	< 4.53	ug/Kg	7/22/2019	14:37
Trichloroethene	< 4.53	ug/Kg	7/22/2019	14:37
Trichlorofluoromethane	< 4.53	ug/Kg	7/22/2019	14:37
Vinyl chloride	< 4.53	ug/Kg	7/22/2019	14:37

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	109	71 - 141		7/22/2019 14:37
4-Bromofluorobenzene	88.7	60.2 - 128		7/22/2019 14:37
Pentafluorobenzene	99.5	86.6 - 111		7/22/2019 14:37
Toluene-D8	96.1	77.5 - 115		7/22/2019 14:37

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62789.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.00505	mg/Kg	J	7/22/2019 09:51

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	4080	mg/Kg		7/23/2019 10:30
Antimony	< 3.18	mg/Kg		7/23/2019 10:30
Arsenic	1.64	mg/Kg		7/23/2019 10:30
Barium	34.1	mg/Kg		7/23/2019 10:30
Beryllium	0.236	mg/Kg	J	7/23/2019 10:30
Cadmium	< 0.265	mg/Kg		7/23/2019 20:23
Calcium	36200	mg/Kg		7/23/2019 19:07
Chromium	5.86	mg/Kg		7/23/2019 10:30
Cobalt	3.21	mg/Kg		7/23/2019 10:30
Copper	8.84	mg/Kg		7/23/2019 10:30
Iron	8620	mg/Kg		7/23/2019 10:30
Lead	1.61	mg/Kg		7/23/2019 10:30
Magnesium	7730	mg/Kg		7/23/2019 10:30
Manganese	283	mg/Kg		7/23/2019 10:30
Nickel	6.06	mg/Kg		7/23/2019 10:30
Potassium	999	mg/Kg		7/23/2019 10:30
Selenium	0.861	mg/Kg	J	7/23/2019 10:30
Silver	< 0.531	mg/Kg		7/23/2019 10:30
Sodium	110	mg/Kg	J	7/23/2019 10:30
Thallium	0.754	mg/Kg	J	7/23/2019 20:23
Vanadium	10.4	mg/Kg		7/23/2019 10:30
Zinc	16.5	mg/Kg		7/23/2019 10:30

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1221	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1232	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1242	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1248	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1254	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1260	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1262	< 0.139	mg/Kg		7/23/2019 02:56
PCB-1268	< 0.139	mg/Kg		7/23/2019 02:56

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	74.0	21.7 - 82.5		7/23/2019 02:56

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 7/22/2019

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 298	ug/Kg		7/24/2019 02:06
1,2,4,5-Tetrachlorobenzene	< 298	ug/Kg		7/24/2019 02:06
1,2,4-Trichlorobenzene	< 298	ug/Kg		7/24/2019 02:06
1,2-Dichlorobenzene	< 298	ug/Kg		7/24/2019 02:06
1,3-Dichlorobenzene	< 298	ug/Kg		7/24/2019 02:06
1,4-Dichlorobenzene	< 298	ug/Kg		7/24/2019 02:06
2,2-Oxybis (1-chloropropane)	< 298	ug/Kg		7/24/2019 02:06
2,3,4,6-Tetrachlorophenol	< 298	ug/Kg		7/24/2019 02:06
2,4,5-Trichlorophenol	< 298	ug/Kg		7/24/2019 02:06
2,4,6-Trichlorophenol	< 298	ug/Kg		7/24/2019 02:06
2,4-Dichlorophenol	< 298	ug/Kg		7/24/2019 02:06
2,4-Dimethylphenol	< 298	ug/Kg		7/24/2019 02:06
2,4-Dinitrophenol	< 1190	ug/Kg		7/24/2019 02:06
2,4-Dinitrotoluene	< 298	ug/Kg		7/24/2019 02:06
2,6-Dinitrotoluene	< 298	ug/Kg		7/24/2019 02:06
2-Chloronaphthalene	< 298	ug/Kg		7/24/2019 02:06
2-Chlorophenol	< 298	ug/Kg		7/24/2019 02:06
2-Methylnapthalene	< 298	ug/Kg		7/24/2019 02:06
2-Methylphenol	< 298	ug/Kg		7/24/2019 02:06
2-Nitroaniline	< 298	ug/Kg		7/24/2019 02:06
2-Nitrophenol	< 298	ug/Kg		7/24/2019 02:06
3&4-Methylphenol	< 298	ug/Kg		7/24/2019 02:06
3,3'-Dichlorobenzidine	< 298	ug/Kg		7/24/2019 02:06

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-2			
Lab Sample ID:	193386-02		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019
3-Nitroaniline	< 298	ug/Kg		7/24/2019 02:06
4,6-Dinitro-2-methylphenol	< 597	ug/Kg		7/24/2019 02:06
4-Bromophenyl phenyl ether	< 298	ug/Kg		7/24/2019 02:06
4-Chloro-3-methylphenol	< 298	ug/Kg		7/24/2019 02:06
4-Chloroaniline	< 298	ug/Kg		7/24/2019 02:06
4-Chlorophenyl phenyl ether	< 298	ug/Kg		7/24/2019 02:06
4-Nitroaniline	< 298	ug/Kg		7/24/2019 02:06
4-Nitrophenol	< 298	ug/Kg		7/24/2019 02:06
Acenaphthene	< 298	ug/Kg		7/24/2019 02:06
Acenaphthylene	< 298	ug/Kg		7/24/2019 02:06
Acetophenone	< 298	ug/Kg		7/24/2019 02:06
Anthracene	< 298	ug/Kg		7/24/2019 02:06
Atrazine	< 298	ug/Kg		7/24/2019 02:06
Benzaldehyde	< 298	ug/Kg		7/24/2019 02:06
Benzo (a) anthracene	< 298	ug/Kg		7/24/2019 02:06
Benzo (a) pyrene	< 298	ug/Kg		7/24/2019 02:06
Benzo (b) fluoranthene	< 298	ug/Kg		7/24/2019 02:06
Benzo (g,h,i) perylene	< 298	ug/Kg		7/24/2019 02:06
Benzo (k) fluoranthene	< 298	ug/Kg		7/24/2019 02:06
Bis (2-chloroethoxy) methane	< 298	ug/Kg		7/24/2019 02:06
Bis (2-chloroethyl) ether	< 298	ug/Kg		7/24/2019 02:06
Bis (2-ethylhexyl) phthalate	< 298	ug/Kg		7/24/2019 02:06
Butylbenzylphthalate	< 298	ug/Kg		7/24/2019 02:06
Caprolactam	< 298	ug/Kg		7/24/2019 02:06
Carbazole	< 298	ug/Kg		7/24/2019 02:06

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-2			
Lab Sample ID:	193386-02		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019

Chrysene	< 298	ug/Kg	7/24/2019	02:06
Dibenz (a,h) anthracene	< 298	ug/Kg	7/24/2019	02:06
Dibenzofuran	< 298	ug/Kg	7/24/2019	02:06
Diethyl phthalate	< 298	ug/Kg	7/24/2019	02:06
Dimethyl phthalate	< 298	ug/Kg	7/24/2019	02:06
Di-n-butyl phthalate	< 298	ug/Kg	7/24/2019	02:06
Di-n-octylphthalate	< 298	ug/Kg	7/24/2019	02:06
Fluoranthene	< 298	ug/Kg	7/24/2019	02:06
Fluorene	< 298	ug/Kg	7/24/2019	02:06
Hexachlorobenzene	< 298	ug/Kg	7/24/2019	02:06
Hexachlorobutadiene	< 298	ug/Kg	7/24/2019	02:06
Hexachlorocyclopentadiene	< 1190	ug/Kg	7/24/2019	02:06
Hexachloroethane	< 298	ug/Kg	7/24/2019	02:06
Indeno (1,2,3-cd) pyrene	< 298	ug/Kg	7/24/2019	02:06
Isophorone	< 298	ug/Kg	7/24/2019	02:06
Naphthalene	< 298	ug/Kg	7/24/2019	02:06
Nitrobenzene	< 298	ug/Kg	7/24/2019	02:06
N-Nitroso-di-n-propylamine	< 298	ug/Kg	7/24/2019	02:06
N-Nitrosodiphenylamine	< 298	ug/Kg	7/24/2019	02:06
Pentachlorophenol	< 597	ug/Kg	7/24/2019	02:06
Phenanthrene	< 298	ug/Kg	7/24/2019	02:06
Phenol	< 298	ug/Kg	7/24/2019	02:06
Pyrene	< 298	ug/Kg	7/24/2019	02:06

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	64.0	34.9 - 92.6		7/24/2019 02:06
2-Fluorobiphenyl	64.2	39 - 77.6		7/24/2019 02:06
2-Fluorophenol	69.2	39.1 - 76.8		7/24/2019 02:06
Nitrobenzene-d5	63.9	35.4 - 75.3		7/24/2019 02:06
Phenol-d5	70.0	40.4 - 77.7		7/24/2019 02:06
Terphenyl-d14	75.6	42 - 93.5		7/24/2019 02:06

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/22/2019

Data File: B39092.D

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.58	ug/Kg		7/22/2019 15:00
1,1,2,2-Tetrachloroethane	< 4.58	ug/Kg		7/22/2019 15:00
1,1,2-Trichloroethane	< 4.58	ug/Kg		7/22/2019 15:00
1,1-Dichloroethane	< 4.58	ug/Kg		7/22/2019 15:00
1,1-Dichloroethene	< 4.58	ug/Kg		7/22/2019 15:00
1,2,3-Trichlorobenzene	< 11.4	ug/Kg		7/22/2019 15:00
1,2,4-Trichlorobenzene	< 11.4	ug/Kg		7/22/2019 15:00
1,2,4-Trimethylbenzene	< 4.58	ug/Kg		7/22/2019 15:00
1,2-Dibromo-3-Chloropropane	< 22.9	ug/Kg		7/22/2019 15:00
1,2-Dibromoethane	< 4.58	ug/Kg		7/22/2019 15:00
1,2-Dichlorobenzene	< 4.58	ug/Kg		7/22/2019 15:00
1,2-Dichloroethane	< 4.58	ug/Kg		7/22/2019 15:00
1,2-Dichloropropane	< 4.58	ug/Kg		7/22/2019 15:00
1,3,5-Trimethylbenzene	< 4.58	ug/Kg		7/22/2019 15:00
1,3-Dichlorobenzene	< 4.58	ug/Kg		7/22/2019 15:00
1,4-Dichlorobenzene	< 4.58	ug/Kg		7/22/2019 15:00
1,4-Dioxane	< 45.8	ug/Kg		7/22/2019 15:00
2-Butanone	< 22.9	ug/Kg		7/22/2019 15:00
2-Hexanone	< 11.4	ug/Kg		7/22/2019 15:00
4-Methyl-2-pentanone	< 11.4	ug/Kg		7/22/2019 15:00
Acetone	< 22.9	ug/Kg		7/22/2019 15:00
Benzene	< 4.58	ug/Kg		7/22/2019 15:00
Bromochloromethane	< 11.4	ug/Kg		7/22/2019 15:00

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.58	ug/Kg	7/22/2019 15:00
Bromoform	< 11.4	ug/Kg	7/22/2019 15:00
Bromomethane	< 4.58	ug/Kg	7/22/2019 15:00
Carbon disulfide	< 4.58	ug/Kg	7/22/2019 15:00
Carbon Tetrachloride	< 4.58	ug/Kg	7/22/2019 15:00
Chlorobenzene	< 4.58	ug/Kg	7/22/2019 15:00
Chloroethane	< 4.58	ug/Kg	7/22/2019 15:00
Chloroform	< 4.58	ug/Kg	7/22/2019 15:00
Chloromethane	< 4.58	ug/Kg	7/22/2019 15:00
cis-1,2-Dichloroethene	< 4.58	ug/Kg	7/22/2019 15:00
cis-1,3-Dichloropropene	< 4.58	ug/Kg	7/22/2019 15:00
Cyclohexane	< 22.9	ug/Kg	7/22/2019 15:00
Dibromochloromethane	< 4.58	ug/Kg	7/22/2019 15:00
Dichlorodifluoromethane	< 4.58	ug/Kg	7/22/2019 15:00
Ethylbenzene	< 4.58	ug/Kg	7/22/2019 15:00
Freon 113	< 4.58	ug/Kg	7/22/2019 15:00
Isopropylbenzene	< 4.58	ug/Kg	7/22/2019 15:00
m,p-Xylene	< 4.58	ug/Kg	7/22/2019 15:00
Methyl acetate	< 4.58	ug/Kg	7/22/2019 15:00
Methyl tert-butyl Ether	< 4.58	ug/Kg	7/22/2019 15:00
Methylcyclohexane	< 4.58	ug/Kg	7/22/2019 15:00
Methylene chloride	< 11.4	ug/Kg	7/22/2019 15:00
Naphthalene	< 11.4	ug/Kg	7/22/2019 15:00
n-Butylbenzene	< 4.58	ug/Kg	7/22/2019 15:00
n-Propylbenzene	< 4.58	ug/Kg	7/22/2019 15:00

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Report Prepared Friday, July 26, 2019



Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-2

Lab Sample ID: 193386-02

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.58	ug/Kg	7/22/2019	15:00
p-Isopropyltoluene	< 4.58	ug/Kg	7/22/2019	15:00
sec-Butylbenzene	< 4.58	ug/Kg	7/22/2019	15:00
Styrene	< 11.4	ug/Kg	7/22/2019	15:00
tert-Butylbenzene	< 4.58	ug/Kg	7/22/2019	15:00
Tetrachloroethene	< 4.58	ug/Kg	7/22/2019	15:00
Toluene	< 4.58	ug/Kg	7/22/2019	15:00
trans-1,2-Dichloroethene	< 4.58	ug/Kg	7/22/2019	15:00
trans-1,3-Dichloropropene	< 4.58	ug/Kg	7/22/2019	15:00
Trichloroethene	< 4.58	ug/Kg	7/22/2019	15:00
Trichlorofluoromethane	< 4.58	ug/Kg	7/22/2019	15:00
Vinyl chloride	< 4.58	ug/Kg	7/22/2019	15:00

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	107	71 - 141		7/22/2019 15:00
4-Bromofluorobenzene	92.3	60.2 - 128		7/22/2019 15:00
Pentafluorobenzene	94.4	86.6 - 111		7/22/2019 15:00
Toluene-D8	94.5	77.5 - 115		7/22/2019 15:00

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62790.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.101	mg/Kg		7/22/2019 09:53

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	8390	mg/Kg		7/23/2019 10:35
Antimony	< 3.15	mg/Kg		7/23/2019 10:35
Arsenic	1.70	mg/Kg		7/23/2019 10:35
Barium	70.7	mg/Kg		7/23/2019 10:35
Beryllium	0.408	mg/Kg		7/23/2019 10:35
Cadmium	< 0.263	mg/Kg		7/23/2019 20:27
Calcium	8970	mg/Kg		7/23/2019 10:35
Chromium	9.14	mg/Kg		7/23/2019 10:35
Cobalt	3.59	mg/Kg		7/23/2019 10:35
Copper	8.56	mg/Kg		7/23/2019 10:35
Iron	11100	mg/Kg		7/23/2019 10:35
Lead	132	mg/Kg		7/23/2019 10:35
Magnesium	4430	mg/Kg		7/23/2019 10:35
Manganese	444	mg/Kg		7/23/2019 10:35
Nickel	7.81	mg/Kg		7/23/2019 10:35
Potassium	861	mg/Kg		7/23/2019 10:35
Selenium	< 1.05	mg/Kg		7/23/2019 10:35
Silver	< 0.525	mg/Kg		7/23/2019 10:35
Sodium	483	mg/Kg		7/23/2019 10:35
Thallium	< 1.31	mg/Kg		7/23/2019 20:27
Vanadium	15.1	mg/Kg		7/23/2019 10:35
Zinc	52.0	mg/Kg		7/23/2019 10:35

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1221	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1232	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1242	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1248	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1254	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1260	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1262	< 0.141	mg/Kg		7/23/2019 03:19
PCB-1268	< 0.141	mg/Kg		7/23/2019 03:19

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	61.9	21.7 - 82.5		7/23/2019 03:19

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 7/22/2019

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 297	ug/Kg		7/24/2019 02:35
1,2,4,5-Tetrachlorobenzene	< 297	ug/Kg		7/24/2019 02:35
1,2,4-Trichlorobenzene	< 297	ug/Kg		7/24/2019 02:35
1,2-Dichlorobenzene	< 297	ug/Kg		7/24/2019 02:35
1,3-Dichlorobenzene	< 297	ug/Kg		7/24/2019 02:35
1,4-Dichlorobenzene	< 297	ug/Kg		7/24/2019 02:35
2,2-Oxybis (1-chloropropane)	< 297	ug/Kg		7/24/2019 02:35
2,3,4,6-Tetrachlorophenol	< 297	ug/Kg		7/24/2019 02:35
2,4,5-Trichlorophenol	< 297	ug/Kg		7/24/2019 02:35
2,4,6-Trichlorophenol	< 297	ug/Kg		7/24/2019 02:35
2,4-Dichlorophenol	< 297	ug/Kg		7/24/2019 02:35
2,4-Dimethylphenol	< 297	ug/Kg		7/24/2019 02:35
2,4-Dinitrophenol	< 1190	ug/Kg		7/24/2019 02:35
2,4-Dinitrotoluene	< 297	ug/Kg		7/24/2019 02:35
2,6-Dinitrotoluene	< 297	ug/Kg		7/24/2019 02:35
2-Chloronaphthalene	< 297	ug/Kg		7/24/2019 02:35
2-Chlorophenol	< 297	ug/Kg		7/24/2019 02:35
2-Methylnaphthalene	< 297	ug/Kg		7/24/2019 02:35
2-Methylphenol	< 297	ug/Kg		7/24/2019 02:35
2-Nitroaniline	< 297	ug/Kg		7/24/2019 02:35
2-Nitrophenol	< 297	ug/Kg		7/24/2019 02:35
3&4-Methylphenol	< 297	ug/Kg		7/24/2019 02:35
3,3'-Dichlorobenzidine	< 297	ug/Kg		7/24/2019 02:35

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-3			
Lab Sample ID:	193386-03		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019
3-Nitroaniline	< 297	ug/Kg		7/24/2019 02:35
4,6-Dinitro-2-methylphenol	< 594	ug/Kg		7/24/2019 02:35
4-Bromophenyl phenyl ether	< 297	ug/Kg		7/24/2019 02:35
4-Chloro-3-methylphenol	< 297	ug/Kg		7/24/2019 02:35
4-Chloroaniline	< 297	ug/Kg		7/24/2019 02:35
4-Chlorophenyl phenyl ether	< 297	ug/Kg		7/24/2019 02:35
4-Nitroaniline	< 297	ug/Kg		7/24/2019 02:35
4-Nitrophenol	< 297	ug/Kg		7/24/2019 02:35
Acenaphthene	< 297	ug/Kg		7/24/2019 02:35
Acenaphthylene	< 297	ug/Kg		7/24/2019 02:35
Acetophenone	< 297	ug/Kg		7/24/2019 02:35
Anthracene	< 297	ug/Kg		7/24/2019 02:35
Atrazine	< 297	ug/Kg		7/24/2019 02:35
Benzaldehyde	< 297	ug/Kg		7/24/2019 02:35
Benzo (a) anthracene	< 297	ug/Kg		7/24/2019 02:35
Benzo (a) pyrene	< 297	ug/Kg		7/24/2019 02:35
Benzo (b) fluoranthene	< 297	ug/Kg		7/24/2019 02:35
Benzo (g,h,i) perylene	< 297	ug/Kg		7/24/2019 02:35
Benzo (k) fluoranthene	< 297	ug/Kg		7/24/2019 02:35
Bis (2-chloroethoxy) methane	< 297	ug/Kg		7/24/2019 02:35
Bis (2-chloroethyl) ether	< 297	ug/Kg		7/24/2019 02:35
Bis (2-ethylhexyl) phthalate	< 297	ug/Kg		7/24/2019 02:35
Butylbenzylphthalate	< 297	ug/Kg		7/24/2019 02:35
Caprolactam	< 297	ug/Kg		7/24/2019 02:35
Carbazole	< 297	ug/Kg		7/24/2019 02:35

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-3			
Lab Sample ID:	193386-03		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019

Chrysene	< 297	ug/Kg	7/24/2019	02:35
Dibenz (a,h) anthracene	< 297	ug/Kg	7/24/2019	02:35
Dibenzofuran	< 297	ug/Kg	7/24/2019	02:35
Diethyl phthalate	< 297	ug/Kg	7/24/2019	02:35
Dimethyl phthalate	< 297	ug/Kg	7/24/2019	02:35
Di-n-butyl phthalate	< 297	ug/Kg	7/24/2019	02:35
Di-n-octylphthalate	< 297	ug/Kg	7/24/2019	02:35
Fluoranthene	< 297	ug/Kg	7/24/2019	02:35
Fluorene	< 297	ug/Kg	7/24/2019	02:35
Hexachlorobenzene	< 297	ug/Kg	7/24/2019	02:35
Hexachlorobutadiene	< 297	ug/Kg	7/24/2019	02:35
Hexachlorocyclopentadiene	< 1190	ug/Kg	7/24/2019	02:35
Hexachloroethane	< 297	ug/Kg	7/24/2019	02:35
Indeno (1,2,3-cd) pyrene	< 297	ug/Kg	7/24/2019	02:35
Isophorone	< 297	ug/Kg	7/24/2019	02:35
Naphthalene	< 297	ug/Kg	7/24/2019	02:35
Nitrobenzene	< 297	ug/Kg	7/24/2019	02:35
N-Nitroso-di-n-propylamine	< 297	ug/Kg	7/24/2019	02:35
N-Nitrosodiphenylamine	< 297	ug/Kg	7/24/2019	02:35
Pentachlorophenol	< 594	ug/Kg	7/24/2019	02:35
Phenanthrene	< 297	ug/Kg	7/24/2019	02:35
Phenol	< 297	ug/Kg	7/24/2019	02:35
Pyrene	< 297	ug/Kg	7/24/2019	02:35

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	73.8	34.9 - 92.6		7/24/2019 02:35
2-Fluorobiphenyl	69.5	39 - 77.6		7/24/2019 02:35
2-Fluorophenol	73.5	39.1 - 76.8		7/24/2019 02:35
Nitrobenzene-d5	66.4	35.4 - 75.3		7/24/2019 02:35
Phenol-d5	74.3	40.4 - 77.7		7/24/2019 02:35
Terphenyl-d14	78.0	42 - 93.5		7/24/2019 02:35

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/22/2019

Data File: B39093.D

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.58	ug/Kg		7/22/2019 15:23
1,1,2,2-Tetrachloroethane	< 4.58	ug/Kg		7/22/2019 15:23
1,1,2-Trichloroethane	< 4.58	ug/Kg		7/22/2019 15:23
1,1-Dichloroethane	< 4.58	ug/Kg		7/22/2019 15:23
1,1-Dichloroethene	< 4.58	ug/Kg		7/22/2019 15:23
1,2,3-Trichlorobenzene	< 11.4	ug/Kg		7/22/2019 15:23
1,2,4-Trichlorobenzene	< 11.4	ug/Kg		7/22/2019 15:23
1,2,4-Trimethylbenzene	< 4.58	ug/Kg		7/22/2019 15:23
1,2-Dibromo-3-Chloropropane	< 22.9	ug/Kg		7/22/2019 15:23
1,2-Dibromoethane	< 4.58	ug/Kg		7/22/2019 15:23
1,2-Dichlorobenzene	< 4.58	ug/Kg		7/22/2019 15:23
1,2-Dichloroethane	< 4.58	ug/Kg		7/22/2019 15:23
1,2-Dichloropropane	< 4.58	ug/Kg		7/22/2019 15:23
1,3,5-Trimethylbenzene	< 4.58	ug/Kg		7/22/2019 15:23
1,3-Dichlorobenzene	< 4.58	ug/Kg		7/22/2019 15:23
1,4-Dichlorobenzene	< 4.58	ug/Kg		7/22/2019 15:23
1,4-Dioxane	< 45.8	ug/Kg		7/22/2019 15:23
2-Butanone	< 22.9	ug/Kg		7/22/2019 15:23
2-Hexanone	< 11.4	ug/Kg		7/22/2019 15:23
4-Methyl-2-pentanone	< 11.4	ug/Kg		7/22/2019 15:23
Acetone	< 22.9	ug/Kg		7/22/2019 15:23
Benzene	< 4.58	ug/Kg		7/22/2019 15:23
Bromochloromethane	< 11.4	ug/Kg		7/22/2019 15:23

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.58	ug/Kg	7/22/2019 15:23
Bromoform	< 11.4	ug/Kg	7/22/2019 15:23
Bromomethane	< 4.58	ug/Kg	7/22/2019 15:23
Carbon disulfide	< 4.58	ug/Kg	7/22/2019 15:23
Carbon Tetrachloride	< 4.58	ug/Kg	7/22/2019 15:23
Chlorobenzene	< 4.58	ug/Kg	7/22/2019 15:23
Chloroethane	< 4.58	ug/Kg	7/22/2019 15:23
Chloroform	< 4.58	ug/Kg	7/22/2019 15:23
Chloromethane	< 4.58	ug/Kg	7/22/2019 15:23
cis-1,2-Dichloroethene	< 4.58	ug/Kg	7/22/2019 15:23
cis-1,3-Dichloropropene	< 4.58	ug/Kg	7/22/2019 15:23
Cyclohexane	< 22.9	ug/Kg	7/22/2019 15:23
Dibromochloromethane	< 4.58	ug/Kg	7/22/2019 15:23
Dichlorodifluoromethane	< 4.58	ug/Kg	7/22/2019 15:23
Ethylbenzene	< 4.58	ug/Kg	7/22/2019 15:23
Freon 113	< 4.58	ug/Kg	7/22/2019 15:23
Isopropylbenzene	< 4.58	ug/Kg	7/22/2019 15:23
m,p-Xylene	< 4.58	ug/Kg	7/22/2019 15:23
Methyl acetate	< 4.58	ug/Kg	7/22/2019 15:23
Methyl tert-butyl Ether	< 4.58	ug/Kg	7/22/2019 15:23
Methylcyclohexane	< 4.58	ug/Kg	7/22/2019 15:23
Methylene chloride	< 11.4	ug/Kg	7/22/2019 15:23
Naphthalene	< 11.4	ug/Kg	7/22/2019 15:23
n-Butylbenzene	< 4.58	ug/Kg	7/22/2019 15:23
n-Propylbenzene	< 4.58	ug/Kg	7/22/2019 15:23

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-3

Lab Sample ID: 193386-03

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.58	ug/Kg	7/22/2019	15:23
p-Isopropyltoluene	< 4.58	ug/Kg	7/22/2019	15:23
sec-Butylbenzene	< 4.58	ug/Kg	7/22/2019	15:23
Styrene	< 11.4	ug/Kg	7/22/2019	15:23
tert-Butylbenzene	< 4.58	ug/Kg	7/22/2019	15:23
Tetrachloroethene	< 4.58	ug/Kg	7/22/2019	15:23
Toluene	< 4.58	ug/Kg	7/22/2019	15:23
trans-1,2-Dichloroethene	< 4.58	ug/Kg	7/22/2019	15:23
trans-1,3-Dichloropropene	< 4.58	ug/Kg	7/22/2019	15:23
Trichloroethene	< 4.58	ug/Kg	7/22/2019	15:23
Trichlorofluoromethane	< 4.58	ug/Kg	7/22/2019	15:23
Vinyl chloride	< 4.58	ug/Kg	7/22/2019	15:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	108	71 - 141		7/22/2019 15:23
4-Bromofluorobenzene	83.7	60.2 - 128		7/22/2019 15:23
Pentafluorobenzene	94.8	86.6 - 111		7/22/2019 15:23
Toluene-D8	93.5	77.5 - 115		7/22/2019 15:23

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62791.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-4

Lab Sample ID: 193386-04

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.70	ug/Kg		7/22/2019 15:46
1,1,2,2-Tetrachloroethane	< 4.70	ug/Kg		7/22/2019 15:46
1,1,2-Trichloroethane	< 4.70	ug/Kg		7/22/2019 15:46
1,1-Dichloroethane	< 4.70	ug/Kg		7/22/2019 15:46
1,1-Dichloroethene	< 4.70	ug/Kg		7/22/2019 15:46
1,2,3-Trichlorobenzene	< 11.7	ug/Kg		7/22/2019 15:46
1,2,4-Trichlorobenzene	< 11.7	ug/Kg		7/22/2019 15:46
1,2,4-Trimethylbenzene	< 4.70	ug/Kg		7/22/2019 15:46
1,2-Dibromo-3-Chloropropane	< 23.5	ug/Kg		7/22/2019 15:46
1,2-Dibromoethane	< 4.70	ug/Kg		7/22/2019 15:46
1,2-Dichlorobenzene	< 4.70	ug/Kg		7/22/2019 15:46
1,2-Dichloroethane	< 4.70	ug/Kg		7/22/2019 15:46
1,2-Dichloropropane	< 4.70	ug/Kg		7/22/2019 15:46
1,3,5-Trimethylbenzene	< 4.70	ug/Kg		7/22/2019 15:46
1,3-Dichlorobenzene	< 4.70	ug/Kg		7/22/2019 15:46
1,4-Dichlorobenzene	< 4.70	ug/Kg		7/22/2019 15:46
1,4-Dioxane	< 47.0	ug/Kg		7/22/2019 15:46
2-Butanone	< 23.5	ug/Kg		7/22/2019 15:46
2-Hexanone	< 11.7	ug/Kg		7/22/2019 15:46
4-Methyl-2-pentanone	< 11.7	ug/Kg		7/22/2019 15:46
Acetone	16.3	ug/Kg	J	7/22/2019 15:46
Benzene	< 4.70	ug/Kg		7/22/2019 15:46
Bromochloromethane	< 11.7	ug/Kg		7/22/2019 15:46

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Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-4

Lab Sample ID: 193386-04

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.70	ug/Kg	7/22/2019 15:46
Bromoform	< 11.7	ug/Kg	7/22/2019 15:46
Bromomethane	< 4.70	ug/Kg	7/22/2019 15:46
Carbon disulfide	< 4.70	ug/Kg	7/22/2019 15:46
Carbon Tetrachloride	< 4.70	ug/Kg	7/22/2019 15:46
Chlorobenzene	< 4.70	ug/Kg	7/22/2019 15:46
Chloroethane	< 4.70	ug/Kg	7/22/2019 15:46
Chloroform	< 4.70	ug/Kg	7/22/2019 15:46
Chloromethane	< 4.70	ug/Kg	7/22/2019 15:46
cis-1,2-Dichloroethene	< 4.70	ug/Kg	7/22/2019 15:46
cis-1,3-Dichloropropene	< 4.70	ug/Kg	7/22/2019 15:46
Cyclohexane	< 23.5	ug/Kg	7/22/2019 15:46
Dibromochloromethane	< 4.70	ug/Kg	7/22/2019 15:46
Dichlorodifluoromethane	< 4.70	ug/Kg	7/22/2019 15:46
Ethylbenzene	< 4.70	ug/Kg	7/22/2019 15:46
Freon 113	< 4.70	ug/Kg	7/22/2019 15:46
Isopropylbenzene	< 4.70	ug/Kg	7/22/2019 15:46
m,p-Xylene	< 4.70	ug/Kg	7/22/2019 15:46
Methyl acetate	< 4.70	ug/Kg	7/22/2019 15:46
Methyl tert-butyl Ether	< 4.70	ug/Kg	7/22/2019 15:46
Methylcyclohexane	< 4.70	ug/Kg	7/22/2019 15:46
Methylene chloride	< 11.7	ug/Kg	7/22/2019 15:46
Naphthalene	< 11.7	ug/Kg	7/22/2019 15:46
n-Butylbenzene	< 4.70	ug/Kg	7/22/2019 15:46
n-Propylbenzene	< 4.70	ug/Kg	7/22/2019 15:46

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-4

Lab Sample ID: 193386-04

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.70	ug/Kg	7/22/2019	15:46
p-Isopropyltoluene	< 4.70	ug/Kg	7/22/2019	15:46
sec-Butylbenzene	< 4.70	ug/Kg	7/22/2019	15:46
Styrene	< 11.7	ug/Kg	7/22/2019	15:46
tert-Butylbenzene	< 4.70	ug/Kg	7/22/2019	15:46
Tetrachloroethene	< 4.70	ug/Kg	7/22/2019	15:46
Toluene	< 4.70	ug/Kg	7/22/2019	15:46
trans-1,2-Dichloroethene	< 4.70	ug/Kg	7/22/2019	15:46
trans-1,3-Dichloropropene	< 4.70	ug/Kg	7/22/2019	15:46
Trichloroethene	< 4.70	ug/Kg	7/22/2019	15:46
Trichlorofluoromethane	< 4.70	ug/Kg	7/22/2019	15:46
Vinyl chloride	< 4.70	ug/Kg	7/22/2019	15:46

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	108	71 - 141		7/22/2019 15:46
4-Bromofluorobenzene	93.2	60.2 - 128		7/22/2019 15:46
Pentafluorobenzene	96.0	86.6 - 111		7/22/2019 15:46
Toluene-D8	93.8	77.5 - 115		7/22/2019 15:46

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62792.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-5

Lab Sample ID: 193386-05

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.76	ug/Kg		7/22/2019 16:09
1,1,2,2-Tetrachloroethane	< 4.76	ug/Kg		7/22/2019 16:09
1,1,2-Trichloroethane	< 4.76	ug/Kg		7/22/2019 16:09
1,1-Dichloroethane	< 4.76	ug/Kg		7/22/2019 16:09
1,1-Dichloroethene	< 4.76	ug/Kg		7/22/2019 16:09
1,2,3-Trichlorobenzene	< 11.9	ug/Kg		7/22/2019 16:09
1,2,4-Trichlorobenzene	< 11.9	ug/Kg		7/22/2019 16:09
1,2,4-Trimethylbenzene	< 4.76	ug/Kg		7/22/2019 16:09
1,2-Dibromo-3-Chloropropane	< 23.8	ug/Kg		7/22/2019 16:09
1,2-Dibromoethane	< 4.76	ug/Kg		7/22/2019 16:09
1,2-Dichlorobenzene	< 4.76	ug/Kg		7/22/2019 16:09
1,2-Dichloroethane	< 4.76	ug/Kg		7/22/2019 16:09
1,2-Dichloropropane	< 4.76	ug/Kg		7/22/2019 16:09
1,3,5-Trimethylbenzene	< 4.76	ug/Kg		7/22/2019 16:09
1,3-Dichlorobenzene	< 4.76	ug/Kg		7/22/2019 16:09
1,4-Dichlorobenzene	< 4.76	ug/Kg		7/22/2019 16:09
1,4-Dioxane	< 47.6	ug/Kg		7/22/2019 16:09
2-Butanone	17.1	ug/Kg	J	7/22/2019 16:09
2-Hexanone	< 11.9	ug/Kg		7/22/2019 16:09
4-Methyl-2-pentanone	< 11.9	ug/Kg		7/22/2019 16:09
Acetone	103	ug/Kg		7/22/2019 16:09
Benzene	< 4.76	ug/Kg		7/22/2019 16:09
Bromochloromethane	< 11.9	ug/Kg		7/22/2019 16:09

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-5			
Lab Sample ID:	193386-05		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019
Bromodichloromethane	< 4.76	ug/Kg		7/22/2019 16:09
Bromoform	< 11.9	ug/Kg		7/22/2019 16:09
Bromomethane	< 4.76	ug/Kg		7/22/2019 16:09
Carbon disulfide	< 4.76	ug/Kg		7/22/2019 16:09
Carbon Tetrachloride	< 4.76	ug/Kg		7/22/2019 16:09
Chlorobenzene	< 4.76	ug/Kg		7/22/2019 16:09
Chloroethane	< 4.76	ug/Kg		7/22/2019 16:09
Chloroform	< 4.76	ug/Kg		7/22/2019 16:09
Chloromethane	< 4.76	ug/Kg		7/22/2019 16:09
cis-1,2-Dichloroethene	< 4.76	ug/Kg		7/22/2019 16:09
cis-1,3-Dichloropropene	< 4.76	ug/Kg		7/22/2019 16:09
Cyclohexane	< 23.8	ug/Kg		7/22/2019 16:09
Dibromochloromethane	< 4.76	ug/Kg		7/22/2019 16:09
Dichlorodifluoromethane	< 4.76	ug/Kg		7/22/2019 16:09
Ethylbenzene	< 4.76	ug/Kg		7/22/2019 16:09
Freon 113	< 4.76	ug/Kg		7/22/2019 16:09
Isopropylbenzene	< 4.76	ug/Kg		7/22/2019 16:09
m,p-Xylene	4.36	ug/Kg	J	7/22/2019 16:09
Methyl acetate	< 4.76	ug/Kg		7/22/2019 16:09
Methyl tert-butyl Ether	< 4.76	ug/Kg		7/22/2019 16:09
Methylcyclohexane	< 4.76	ug/Kg		7/22/2019 16:09
Methylene chloride	< 11.9	ug/Kg		7/22/2019 16:09
Naphthalene	< 11.9	ug/Kg		7/22/2019 16:09
n-Butylbenzene	< 4.76	ug/Kg		7/22/2019 16:09
n-Propylbenzene	< 4.76	ug/Kg		7/22/2019 16:09

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-5

Lab Sample ID: 193386-05

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.76	ug/Kg	7/22/2019	16:09
p-Isopropyltoluene	< 4.76	ug/Kg	7/22/2019	16:09
sec-Butylbenzene	< 4.76	ug/Kg	7/22/2019	16:09
Styrene	< 11.9	ug/Kg	7/22/2019	16:09
tert-Butylbenzene	< 4.76	ug/Kg	7/22/2019	16:09
Tetrachloroethene	< 4.76	ug/Kg	7/22/2019	16:09
Toluene	< 4.76	ug/Kg	7/22/2019	16:09
trans-1,2-Dichloroethene	< 4.76	ug/Kg	7/22/2019	16:09
trans-1,3-Dichloropropene	< 4.76	ug/Kg	7/22/2019	16:09
Trichloroethene	< 4.76	ug/Kg	7/22/2019	16:09
Trichlorofluoromethane	< 4.76	ug/Kg	7/22/2019	16:09
Vinyl chloride	< 4.76	ug/Kg	7/22/2019	16:09

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	111	71 - 141		7/22/2019 16:09
4-Bromofluorobenzene	75.3	60.2 - 128		7/22/2019 16:09
Pentafluorobenzene	101	86.6 - 111		7/22/2019 16:09
Toluene-D8	90.9	77.5 - 115		7/22/2019 16:09

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62793.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-6

Lab Sample ID: 193386-06

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.86	ug/Kg		7/22/2019 16:32
1,1,2,2-Tetrachloroethane	< 4.86	ug/Kg		7/22/2019 16:32
1,1,2-Trichloroethane	< 4.86	ug/Kg		7/22/2019 16:32
1,1-Dichloroethane	< 4.86	ug/Kg		7/22/2019 16:32
1,1-Dichloroethene	< 4.86	ug/Kg		7/22/2019 16:32
1,2,3-Trichlorobenzene	< 12.2	ug/Kg		7/22/2019 16:32
1,2,4-Trichlorobenzene	< 12.2	ug/Kg		7/22/2019 16:32
1,2,4-Trimethylbenzene	< 4.86	ug/Kg		7/22/2019 16:32
1,2-Dibromo-3-Chloropropane	< 24.3	ug/Kg		7/22/2019 16:32
1,2-Dibromoethane	< 4.86	ug/Kg		7/22/2019 16:32
1,2-Dichlorobenzene	< 4.86	ug/Kg		7/22/2019 16:32
1,2-Dichloroethane	< 4.86	ug/Kg		7/22/2019 16:32
1,2-Dichloropropane	< 4.86	ug/Kg		7/22/2019 16:32
1,3,5-Trimethylbenzene	< 4.86	ug/Kg		7/22/2019 16:32
1,3-Dichlorobenzene	< 4.86	ug/Kg		7/22/2019 16:32
1,4-Dichlorobenzene	< 4.86	ug/Kg		7/22/2019 16:32
1,4-Dioxane	< 48.6	ug/Kg		7/22/2019 16:32
2-Butanone	< 24.3	ug/Kg		7/22/2019 16:32
2-Hexanone	< 12.2	ug/Kg		7/22/2019 16:32
4-Methyl-2-pentanone	< 12.2	ug/Kg		7/22/2019 16:32
Acetone	13.7	ug/Kg	J	7/22/2019 16:32
Benzene	< 4.86	ug/Kg		7/22/2019 16:32
Bromochloromethane	< 12.2	ug/Kg		7/22/2019 16:32

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-6			
Lab Sample ID:	193386-06		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019
<hr/>				
Bromodichloromethane	< 4.86	ug/Kg	7/22/2019	16:32
Bromoform	< 12.2	ug/Kg	7/22/2019	16:32
Bromomethane	< 4.86	ug/Kg	7/22/2019	16:32
Carbon disulfide	< 4.86	ug/Kg	7/22/2019	16:32
Carbon Tetrachloride	< 4.86	ug/Kg	7/22/2019	16:32
Chlorobenzene	< 4.86	ug/Kg	7/22/2019	16:32
Chloroethane	< 4.86	ug/Kg	7/22/2019	16:32
Chloroform	< 4.86	ug/Kg	7/22/2019	16:32
Chloromethane	< 4.86	ug/Kg	7/22/2019	16:32
cis-1,2-Dichloroethene	< 4.86	ug/Kg	7/22/2019	16:32
cis-1,3-Dichloropropene	< 4.86	ug/Kg	7/22/2019	16:32
Cyclohexane	< 24.3	ug/Kg	7/22/2019	16:32
Dibromochloromethane	< 4.86	ug/Kg	7/22/2019	16:32
Dichlorodifluoromethane	< 4.86	ug/Kg	7/22/2019	16:32
Ethylbenzene	< 4.86	ug/Kg	7/22/2019	16:32
Freon 113	< 4.86	ug/Kg	7/22/2019	16:32
Isopropylbenzene	< 4.86	ug/Kg	7/22/2019	16:32
m,p-Xylene	< 4.86	ug/Kg	7/22/2019	16:32
Methyl acetate	< 4.86	ug/Kg	7/22/2019	16:32
Methyl tert-butyl Ether	< 4.86	ug/Kg	7/22/2019	16:32
Methylcyclohexane	< 4.86	ug/Kg	7/22/2019	16:32
Methylene chloride	< 12.2	ug/Kg	7/22/2019	16:32
Naphthalene	< 12.2	ug/Kg	7/22/2019	16:32
n-Butylbenzene	< 4.86	ug/Kg	7/22/2019	16:32
n-Propylbenzene	< 4.86	ug/Kg	7/22/2019	16:32

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-6

Lab Sample ID: 193386-06

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.86	ug/Kg	7/22/2019	16:32
p-Isopropyltoluene	< 4.86	ug/Kg	7/22/2019	16:32
sec-Butylbenzene	< 4.86	ug/Kg	7/22/2019	16:32
Styrene	< 12.2	ug/Kg	7/22/2019	16:32
tert-Butylbenzene	< 4.86	ug/Kg	7/22/2019	16:32
Tetrachloroethene	< 4.86	ug/Kg	7/22/2019	16:32
Toluene	< 4.86	ug/Kg	7/22/2019	16:32
trans-1,2-Dichloroethene	< 4.86	ug/Kg	7/22/2019	16:32
trans-1,3-Dichloropropene	< 4.86	ug/Kg	7/22/2019	16:32
Trichloroethene	< 4.86	ug/Kg	7/22/2019	16:32
Trichlorofluoromethane	< 4.86	ug/Kg	7/22/2019	16:32
Vinyl chloride	< 4.86	ug/Kg	7/22/2019	16:32

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	111	71 - 141		7/22/2019 16:32
4-Bromofluorobenzene	80.6	60.2 - 128		7/22/2019 16:32
Pentafluorobenzene	97.2	86.6 - 111		7/22/2019 16:32
Toluene-D8	94.0	77.5 - 115		7/22/2019 16:32

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62794.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-7

Lab Sample ID: 193386-07

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.00508	mg/Kg	J	7/22/2019 10:23

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-7

Lab Sample ID: 193386-07

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	4650	mg/Kg		7/23/2019 10:39
Antimony	< 3.30	mg/Kg		7/23/2019 10:39
Arsenic	1.43	mg/Kg		7/23/2019 10:39
Barium	32.8	mg/Kg		7/23/2019 10:39
Beryllium	0.254	mg/Kg	J	7/23/2019 10:39
Cadmium	< 0.275	mg/Kg		7/23/2019 20:32
Calcium	36800	mg/Kg		7/23/2019 19:12
Chromium	6.78	mg/Kg		7/23/2019 10:39
Cobalt	3.38	mg/Kg		7/23/2019 10:39
Copper	18.9	mg/Kg		7/23/2019 10:39
Iron	9580	mg/Kg		7/23/2019 10:39
Lead	1.72	mg/Kg		7/23/2019 10:39
Magnesium	8690	mg/Kg		7/23/2019 10:39
Manganese	306	mg/Kg		7/23/2019 10:39
Nickel	6.89	mg/Kg		7/23/2019 10:39
Potassium	1030	mg/Kg		7/23/2019 10:39
Selenium	< 1.10	mg/Kg		7/23/2019 10:39
Silver	< 0.550	mg/Kg		7/23/2019 10:39
Sodium	119	mg/Kg	J	7/23/2019 10:39
Thallium	< 1.38	mg/Kg		7/23/2019 20:32
Vanadium	10.9	mg/Kg		7/23/2019 10:39
Zinc	18.1	mg/Kg		7/23/2019 10:39

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-7

Lab Sample ID: 193386-07

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-7

Lab Sample ID: 193386-07

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.13	ug/Kg		7/22/2019 16:55
1,1,2,2-Tetrachloroethane	< 4.13	ug/Kg		7/22/2019 16:55
1,1,2-Trichloroethane	< 4.13	ug/Kg		7/22/2019 16:55
1,1-Dichloroethane	< 4.13	ug/Kg		7/22/2019 16:55
1,1-Dichloroethene	< 4.13	ug/Kg		7/22/2019 16:55
1,2,3-Trichlorobenzene	< 10.3	ug/Kg		7/22/2019 16:55
1,2,4-Trichlorobenzene	< 10.3	ug/Kg		7/22/2019 16:55
1,2,4-Trimethylbenzene	< 4.13	ug/Kg		7/22/2019 16:55
1,2-Dibromo-3-Chloropropane	< 20.7	ug/Kg		7/22/2019 16:55
1,2-Dibromoethane	< 4.13	ug/Kg		7/22/2019 16:55
1,2-Dichlorobenzene	< 4.13	ug/Kg		7/22/2019 16:55
1,2-Dichloroethane	< 4.13	ug/Kg		7/22/2019 16:55
1,2-Dichloropropane	< 4.13	ug/Kg		7/22/2019 16:55
1,3,5-Trimethylbenzene	< 4.13	ug/Kg		7/22/2019 16:55
1,3-Dichlorobenzene	< 4.13	ug/Kg		7/22/2019 16:55
1,4-Dichlorobenzene	< 4.13	ug/Kg		7/22/2019 16:55
1,4-Dioxane	< 41.3	ug/Kg		7/22/2019 16:55
2-Butanone	< 20.7	ug/Kg		7/22/2019 16:55
2-Hexanone	< 10.3	ug/Kg		7/22/2019 16:55
4-Methyl-2-pentanone	< 10.3	ug/Kg		7/22/2019 16:55
Acetone	13.6	ug/Kg	J	7/22/2019 16:55
Benzene	< 4.13	ug/Kg		7/22/2019 16:55
Bromochloromethane	< 10.3	ug/Kg		7/22/2019 16:55

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-7

Lab Sample ID: 193386-07

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.13	ug/Kg	7/22/2019 16:55
Bromoform	< 10.3	ug/Kg	7/22/2019 16:55
Bromomethane	< 4.13	ug/Kg	7/22/2019 16:55
Carbon disulfide	< 4.13	ug/Kg	7/22/2019 16:55
Carbon Tetrachloride	< 4.13	ug/Kg	7/22/2019 16:55
Chlorobenzene	< 4.13	ug/Kg	7/22/2019 16:55
Chloroethane	< 4.13	ug/Kg	7/22/2019 16:55
Chloroform	< 4.13	ug/Kg	7/22/2019 16:55
Chloromethane	< 4.13	ug/Kg	7/22/2019 16:55
cis-1,2-Dichloroethene	< 4.13	ug/Kg	7/22/2019 16:55
cis-1,3-Dichloropropene	< 4.13	ug/Kg	7/22/2019 16:55
Cyclohexane	< 20.7	ug/Kg	7/22/2019 16:55
Dibromochloromethane	< 4.13	ug/Kg	7/22/2019 16:55
Dichlorodifluoromethane	< 4.13	ug/Kg	7/22/2019 16:55
Ethylbenzene	< 4.13	ug/Kg	7/22/2019 16:55
Freon 113	< 4.13	ug/Kg	7/22/2019 16:55
Isopropylbenzene	< 4.13	ug/Kg	7/22/2019 16:55
m,p-Xylene	< 4.13	ug/Kg	7/22/2019 16:55
Methyl acetate	< 4.13	ug/Kg	7/22/2019 16:55
Methyl tert-butyl Ether	< 4.13	ug/Kg	7/22/2019 16:55
Methylcyclohexane	< 4.13	ug/Kg	7/22/2019 16:55
Methylene chloride	< 10.3	ug/Kg	7/22/2019 16:55
Naphthalene	< 10.3	ug/Kg	7/22/2019 16:55
n-Butylbenzene	< 4.13	ug/Kg	7/22/2019 16:55
n-Propylbenzene	< 4.13	ug/Kg	7/22/2019 16:55

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-7

Lab Sample ID: 193386-07

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.13	ug/Kg	7/22/2019	16:55
p-Isopropyltoluene	< 4.13	ug/Kg	7/22/2019	16:55
sec-Butylbenzene	< 4.13	ug/Kg	7/22/2019	16:55
Styrene	< 10.3	ug/Kg	7/22/2019	16:55
tert-Butylbenzene	< 4.13	ug/Kg	7/22/2019	16:55
Tetrachloroethene	< 4.13	ug/Kg	7/22/2019	16:55
Toluene	< 4.13	ug/Kg	7/22/2019	16:55
trans-1,2-Dichloroethene	< 4.13	ug/Kg	7/22/2019	16:55
trans-1,3-Dichloropropene	< 4.13	ug/Kg	7/22/2019	16:55
Trichloroethene	< 4.13	ug/Kg	7/22/2019	16:55
Trichlorofluoromethane	< 4.13	ug/Kg	7/22/2019	16:55
Vinyl chloride	< 4.13	ug/Kg	7/22/2019	16:55

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	109	71 - 141		7/22/2019 16:55
4-Bromofluorobenzene	88.1	60.2 - 128		7/22/2019 16:55
Pentafluorobenzene	96.2	86.6 - 111		7/22/2019 16:55
Toluene-D8	94.7	77.5 - 115		7/22/2019 16:55

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62795.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-8

Lab Sample ID: 193386-08

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.01	ug/Kg		7/22/2019 17:18
1,1,2,2-Tetrachloroethane	< 4.01	ug/Kg		7/22/2019 17:18
1,1,2-Trichloroethane	< 4.01	ug/Kg		7/22/2019 17:18
1,1-Dichloroethane	< 4.01	ug/Kg		7/22/2019 17:18
1,1-Dichloroethene	< 4.01	ug/Kg		7/22/2019 17:18
1,2,3-Trichlorobenzene	< 10.0	ug/Kg		7/22/2019 17:18
1,2,4-Trichlorobenzene	< 10.0	ug/Kg		7/22/2019 17:18
1,2,4-Trimethylbenzene	< 4.01	ug/Kg		7/22/2019 17:18
1,2-Dibromo-3-Chloropropane	< 20.0	ug/Kg		7/22/2019 17:18
1,2-Dibromoethane	< 4.01	ug/Kg		7/22/2019 17:18
1,2-Dichlorobenzene	< 4.01	ug/Kg		7/22/2019 17:18
1,2-Dichloroethane	< 4.01	ug/Kg		7/22/2019 17:18
1,2-Dichloropropane	< 4.01	ug/Kg		7/22/2019 17:18
1,3,5-Trimethylbenzene	< 4.01	ug/Kg		7/22/2019 17:18
1,3-Dichlorobenzene	< 4.01	ug/Kg		7/22/2019 17:18
1,4-Dichlorobenzene	< 4.01	ug/Kg		7/22/2019 17:18
1,4-Dioxane	< 40.1	ug/Kg		7/22/2019 17:18
2-Butanone	< 20.0	ug/Kg		7/22/2019 17:18
2-Hexanone	< 10.0	ug/Kg		7/22/2019 17:18
4-Methyl-2-pentanone	< 10.0	ug/Kg		7/22/2019 17:18
Acetone	< 20.0	ug/Kg		7/22/2019 17:18
Benzene	< 4.01	ug/Kg		7/22/2019 17:18
Bromochloromethane	< 10.0	ug/Kg		7/22/2019 17:18

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-8			
Lab Sample ID:	193386-08		Date Sampled:	7/17/2019
Matrix:	Soil		Date Received:	7/19/2019
Bromodichloromethane	< 4.01	ug/Kg		7/22/2019 17:18
Bromoform	< 10.0	ug/Kg		7/22/2019 17:18
Bromomethane	< 4.01	ug/Kg		7/22/2019 17:18
Carbon disulfide	< 4.01	ug/Kg		7/22/2019 17:18
Carbon Tetrachloride	< 4.01	ug/Kg		7/22/2019 17:18
Chlorobenzene	< 4.01	ug/Kg		7/22/2019 17:18
Chloroethane	< 4.01	ug/Kg		7/22/2019 17:18
Chloroform	< 4.01	ug/Kg		7/22/2019 17:18
Chloromethane	< 4.01	ug/Kg		7/22/2019 17:18
cis-1,2-Dichloroethene	< 4.01	ug/Kg		7/22/2019 17:18
cis-1,3-Dichloropropene	< 4.01	ug/Kg		7/22/2019 17:18
Cyclohexane	< 20.0	ug/Kg		7/22/2019 17:18
Dibromochloromethane	< 4.01	ug/Kg		7/22/2019 17:18
Dichlorodifluoromethane	< 4.01	ug/Kg		7/22/2019 17:18
Ethylbenzene	< 4.01	ug/Kg		7/22/2019 17:18
Freon 113	< 4.01	ug/Kg		7/22/2019 17:18
Isopropylbenzene	< 4.01	ug/Kg		7/22/2019 17:18
m,p-Xylene	2.64	ug/Kg	J	7/22/2019 17:18
Methyl acetate	< 4.01	ug/Kg		7/22/2019 17:18
Methyl tert-butyl Ether	< 4.01	ug/Kg		7/22/2019 17:18
Methylcyclohexane	< 4.01	ug/Kg		7/22/2019 17:18
Methylene chloride	< 10.0	ug/Kg		7/22/2019 17:18
Naphthalene	< 10.0	ug/Kg		7/22/2019 17:18
n-Butylbenzene	< 4.01	ug/Kg		7/22/2019 17:18
n-Propylbenzene	< 4.01	ug/Kg		7/22/2019 17:18

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-8

Lab Sample ID: 193386-08

Date Sampled: 7/17/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.01	ug/Kg	7/22/2019	17:18
p-Isopropyltoluene	< 4.01	ug/Kg	7/22/2019	17:18
sec-Butylbenzene	< 4.01	ug/Kg	7/22/2019	17:18
Styrene	< 10.0	ug/Kg	7/22/2019	17:18
tert-Butylbenzene	< 4.01	ug/Kg	7/22/2019	17:18
Tetrachloroethene	< 4.01	ug/Kg	7/22/2019	17:18
Toluene	< 4.01	ug/Kg	7/22/2019	17:18
trans-1,2-Dichloroethene	< 4.01	ug/Kg	7/22/2019	17:18
trans-1,3-Dichloropropene	< 4.01	ug/Kg	7/22/2019	17:18
Trichloroethene	< 4.01	ug/Kg	7/22/2019	17:18
Trichlorofluoromethane	< 4.01	ug/Kg	7/22/2019	17:18
Vinyl chloride	< 4.01	ug/Kg	7/22/2019	17:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	112	71 - 141		7/22/2019 17:18
4-Bromofluorobenzene	78.0	60.2 - 128		7/22/2019 17:18
Pentafluorobenzene	97.3	86.6 - 111		7/22/2019 17:18
Toluene-D8	91.1	77.5 - 115		7/22/2019 17:18

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62796.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-9

Lab Sample ID: 193386-09

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.0109	mg/Kg		7/22/2019 09:57

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-9

Lab Sample ID: 193386-09

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	4630	mg/Kg		7/23/2019 10:44
Antimony	< 3.23	mg/Kg		7/23/2019 10:44
Arsenic	1.81	mg/Kg		7/23/2019 10:44
Barium	43.8	mg/Kg		7/23/2019 10:44
Beryllium	0.244	mg/Kg	J	7/23/2019 10:44
Cadmium	< 0.269	mg/Kg		7/23/2019 20:36
Calcium	49200	mg/Kg		7/23/2019 19:16
Chromium	8.88	mg/Kg		7/23/2019 10:44
Cobalt	3.07	mg/Kg		7/23/2019 10:44
Copper	6.76	mg/Kg		7/23/2019 10:44
Iron	8340	mg/Kg		7/23/2019 10:44
Lead	151	mg/Kg		7/23/2019 10:44
Magnesium	9770	mg/Kg		7/23/2019 10:44
Manganese	298	mg/Kg		7/23/2019 10:44
Nickel	6.15	mg/Kg		7/23/2019 10:44
Potassium	983	mg/Kg		7/23/2019 10:44
Selenium	0.572	mg/Kg	J	7/23/2019 10:44
Silver	< 0.538	mg/Kg		7/23/2019 10:44
Sodium	214	mg/Kg		7/23/2019 10:44
Thallium	2.13	mg/Kg		7/23/2019 20:36
Vanadium	12.4	mg/Kg		7/23/2019 10:44
Zinc	29.9	mg/Kg		7/23/2019 10:44

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-9

Lab Sample ID: 193386-09

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-9

Lab Sample ID: 193386-09

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.09	ug/Kg		7/22/2019 17:41
1,1,2,2-Tetrachloroethane	< 4.09	ug/Kg		7/22/2019 17:41
1,1,2-Trichloroethane	< 4.09	ug/Kg		7/22/2019 17:41
1,1-Dichloroethane	< 4.09	ug/Kg		7/22/2019 17:41
1,1-Dichloroethene	< 4.09	ug/Kg		7/22/2019 17:41
1,2,3-Trichlorobenzene	< 10.2	ug/Kg		7/22/2019 17:41
1,2,4-Trichlorobenzene	< 10.2	ug/Kg		7/22/2019 17:41
1,2,4-Trimethylbenzene	< 4.09	ug/Kg		7/22/2019 17:41
1,2-Dibromo-3-Chloropropane	< 20.5	ug/Kg		7/22/2019 17:41
1,2-Dibromoethane	< 4.09	ug/Kg		7/22/2019 17:41
1,2-Dichlorobenzene	< 4.09	ug/Kg		7/22/2019 17:41
1,2-Dichloroethane	< 4.09	ug/Kg		7/22/2019 17:41
1,2-Dichloropropane	< 4.09	ug/Kg		7/22/2019 17:41
1,3,5-Trimethylbenzene	< 4.09	ug/Kg		7/22/2019 17:41
1,3-Dichlorobenzene	< 4.09	ug/Kg		7/22/2019 17:41
1,4-Dichlorobenzene	< 4.09	ug/Kg		7/22/2019 17:41
1,4-Dioxane	< 40.9	ug/Kg		7/22/2019 17:41
2-Butanone	< 20.5	ug/Kg		7/22/2019 17:41
2-Hexanone	< 10.2	ug/Kg		7/22/2019 17:41
4-Methyl-2-pentanone	< 10.2	ug/Kg		7/22/2019 17:41
Acetone	< 20.5	ug/Kg		7/22/2019 17:41
Benzene	< 4.09	ug/Kg		7/22/2019 17:41
Bromochloromethane	< 10.2	ug/Kg		7/22/2019 17:41

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-9			
Lab Sample ID:	193386-09		Date Sampled:	7/18/2019
Matrix:	Soil		Date Received:	7/19/2019
Bromodichloromethane	< 4.09	ug/Kg	7/22/2019	17:41
Bromoform	< 10.2	ug/Kg	7/22/2019	17:41
Bromomethane	< 4.09	ug/Kg	7/22/2019	17:41
Carbon disulfide	< 4.09	ug/Kg	7/22/2019	17:41
Carbon Tetrachloride	< 4.09	ug/Kg	7/22/2019	17:41
Chlorobenzene	< 4.09	ug/Kg	7/22/2019	17:41
Chloroethane	< 4.09	ug/Kg	7/22/2019	17:41
Chloroform	< 4.09	ug/Kg	7/22/2019	17:41
Chloromethane	< 4.09	ug/Kg	7/22/2019	17:41
cis-1,2-Dichloroethene	< 4.09	ug/Kg	7/22/2019	17:41
cis-1,3-Dichloropropene	< 4.09	ug/Kg	7/22/2019	17:41
Cyclohexane	< 20.5	ug/Kg	7/22/2019	17:41
Dibromochloromethane	< 4.09	ug/Kg	7/22/2019	17:41
Dichlorodifluoromethane	< 4.09	ug/Kg	7/22/2019	17:41
Ethylbenzene	< 4.09	ug/Kg	7/22/2019	17:41
Freon 113	< 4.09	ug/Kg	7/22/2019	17:41
Isopropylbenzene	< 4.09	ug/Kg	7/22/2019	17:41
m,p-Xylene	< 4.09	ug/Kg	7/22/2019	17:41
Methyl acetate	< 4.09	ug/Kg	7/22/2019	17:41
Methyl tert-butyl Ether	< 4.09	ug/Kg	7/22/2019	17:41
Methylcyclohexane	< 4.09	ug/Kg	7/22/2019	17:41
Methylene chloride	< 10.2	ug/Kg	7/22/2019	17:41
Naphthalene	< 10.2	ug/Kg	7/22/2019	17:41
n-Butylbenzene	< 4.09	ug/Kg	7/22/2019	17:41
n-Propylbenzene	< 4.09	ug/Kg	7/22/2019	17:41

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-9

Lab Sample ID: 193386-09

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.09	ug/Kg	7/22/2019	17:41
p-Isopropyltoluene	< 4.09	ug/Kg	7/22/2019	17:41
sec-Butylbenzene	< 4.09	ug/Kg	7/22/2019	17:41
Styrene	< 10.2	ug/Kg	7/22/2019	17:41
tert-Butylbenzene	< 4.09	ug/Kg	7/22/2019	17:41
Tetrachloroethene	< 4.09	ug/Kg	7/22/2019	17:41
Toluene	< 4.09	ug/Kg	7/22/2019	17:41
trans-1,2-Dichloroethene	< 4.09	ug/Kg	7/22/2019	17:41
trans-1,3-Dichloropropene	< 4.09	ug/Kg	7/22/2019	17:41
Trichloroethene	< 4.09	ug/Kg	7/22/2019	17:41
Trichlorofluoromethane	< 4.09	ug/Kg	7/22/2019	17:41
Vinyl chloride	< 4.09	ug/Kg	7/22/2019	17:41

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	112	71 - 141		7/22/2019 17:41
4-Bromofluorobenzene	88.4	60.2 - 128		7/22/2019 17:41
Pentafluorobenzene	95.4	86.6 - 111		7/22/2019 17:41
Toluene-D8	96.0	77.5 - 115		7/22/2019 17:41

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62797.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-21

Lab Sample ID: 193386-10

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.22	ug/Kg		7/22/2019 21:29
1,1,2,2-Tetrachloroethane	< 4.22	ug/Kg	M	7/22/2019 21:29
1,1,2-Trichloroethane	< 4.22	ug/Kg		7/22/2019 21:29
1,1-Dichloroethane	< 4.22	ug/Kg		7/22/2019 21:29
1,1-Dichloroethene	< 4.22	ug/Kg		7/22/2019 21:29
1,2,3-Trichlorobenzene	< 10.6	ug/Kg		7/22/2019 21:29
1,2,4-Trichlorobenzene	< 10.6	ug/Kg		7/22/2019 21:29
1,2,4-Trimethylbenzene	< 4.22	ug/Kg		7/22/2019 21:29
1,2-Dibromo-3-Chloropropane	< 21.1	ug/Kg		7/22/2019 21:29
1,2-Dibromoethane	< 4.22	ug/Kg		7/22/2019 21:29
1,2-Dichlorobenzene	< 4.22	ug/Kg		7/22/2019 21:29
1,2-Dichloroethane	< 4.22	ug/Kg		7/22/2019 21:29
1,2-Dichloropropane	< 4.22	ug/Kg		7/22/2019 21:29
1,3,5-Trimethylbenzene	< 4.22	ug/Kg		7/22/2019 21:29
1,3-Dichlorobenzene	< 4.22	ug/Kg		7/22/2019 21:29
1,4-Dichlorobenzene	< 4.22	ug/Kg		7/22/2019 21:29
1,4-Dioxane	< 42.2	ug/Kg		7/22/2019 21:29
2-Butanone	< 21.1	ug/Kg		7/22/2019 21:29
2-Hexanone	< 10.6	ug/Kg		7/22/2019 21:29
4-Methyl-2-pentanone	< 10.6	ug/Kg		7/22/2019 21:29
Acetone	< 21.1	ug/Kg		7/22/2019 21:29
Benzene	< 4.22	ug/Kg		7/22/2019 21:29
Bromochloromethane	< 10.6	ug/Kg		7/22/2019 21:29

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-21

Lab Sample ID: 193386-10

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.22	ug/Kg	M	7/22/2019 21:29
Bromoform	< 10.6	ug/Kg	M	7/22/2019 21:29
Bromomethane	< 4.22	ug/Kg	M	7/22/2019 21:29
Carbon disulfide	< 4.22	ug/Kg		7/22/2019 21:29
Carbon Tetrachloride	< 4.22	ug/Kg	M	7/22/2019 21:29
Chlorobenzene	< 4.22	ug/Kg		7/22/2019 21:29
Chloroethane	< 4.22	ug/Kg	M	7/22/2019 21:29
Chloroform	< 4.22	ug/Kg		7/22/2019 21:29
Chloromethane	< 4.22	ug/Kg		7/22/2019 21:29
cis-1,2-Dichloroethene	< 4.22	ug/Kg		7/22/2019 21:29
cis-1,3-Dichloropropene	< 4.22	ug/Kg	M	7/22/2019 21:29
Cyclohexane	< 21.1	ug/Kg		7/22/2019 21:29
Dibromochloromethane	< 4.22	ug/Kg	M	7/22/2019 21:29
Dichlorodifluoromethane	< 4.22	ug/Kg		7/22/2019 21:29
Ethylbenzene	< 4.22	ug/Kg		7/22/2019 21:29
Freon 113	< 4.22	ug/Kg		7/22/2019 21:29
Isopropylbenzene	< 4.22	ug/Kg		7/22/2019 21:29
m,p-Xylene	< 4.22	ug/Kg		7/22/2019 21:29
Methyl acetate	< 4.22	ug/Kg		7/22/2019 21:29
Methyl tert-butyl Ether	< 4.22	ug/Kg		7/22/2019 21:29
Methylcyclohexane	< 4.22	ug/Kg		7/22/2019 21:29
Methylene chloride	< 10.6	ug/Kg	M	7/22/2019 21:29
Naphthalene	< 10.6	ug/Kg		7/22/2019 21:29
n-Butylbenzene	< 4.22	ug/Kg		7/22/2019 21:29
n-Propylbenzene	< 4.22	ug/Kg		7/22/2019 21:29

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-21

Lab Sample ID: 193386-10

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.22	ug/Kg		7/22/2019 21:29
p-Isopropyltoluene	< 4.22	ug/Kg		7/22/2019 21:29
sec-Butylbenzene	< 4.22	ug/Kg		7/22/2019 21:29
Styrene	< 10.6	ug/Kg		7/22/2019 21:29
tert-Butylbenzene	< 4.22	ug/Kg		7/22/2019 21:29
Tetrachloroethene	< 4.22	ug/Kg		7/22/2019 21:29
Toluene	< 4.22	ug/Kg		7/22/2019 21:29
trans-1,2-Dichloroethene	< 4.22	ug/Kg		7/22/2019 21:29
trans-1,3-Dichloropropene	< 4.22	ug/Kg	M	7/22/2019 21:29
Trichloroethene	< 4.22	ug/Kg		7/22/2019 21:29
Trichlorofluoromethane	< 4.22	ug/Kg	M	7/22/2019 21:29
Vinyl chloride	< 4.22	ug/Kg	M	7/22/2019 21:29

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	117	71 - 141		7/22/2019 21:29
4-Bromofluorobenzene	84.9	60.2 - 128		7/22/2019 21:29
Pentafluorobenzene	96.8	86.6 - 111		7/22/2019 21:29
Toluene-D8	92.1	77.5 - 115		7/22/2019 21:29

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62807.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-11

Lab Sample ID: 193386-11

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.0135	mg/Kg		7/22/2019 09:59

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-11

Lab Sample ID: 193386-11

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	4900	mg/Kg		7/23/2019 10:48
Antimony	< 3.50	mg/Kg		7/23/2019 10:48
Arsenic	1.87	mg/Kg		7/23/2019 10:48
Barium	34.0	mg/Kg		7/23/2019 10:48
Beryllium	0.304	mg/Kg		7/23/2019 10:48
Cadmium	< 0.292	mg/Kg		7/23/2019 20:40
Calcium	6580	mg/Kg		7/23/2019 10:48
Chromium	6.91	mg/Kg		7/23/2019 10:48
Cobalt	3.81	mg/Kg		7/23/2019 10:48
Copper	8.84	mg/Kg		7/23/2019 10:48
Iron	9570	mg/Kg		7/23/2019 10:48
Lead	6.67	mg/Kg		7/23/2019 10:48
Magnesium	2980	mg/Kg		7/23/2019 10:48
Manganese	484	mg/Kg		7/23/2019 10:48
Nickel	7.32	mg/Kg		7/23/2019 10:48
Potassium	865	mg/Kg		7/23/2019 10:48
Selenium	< 1.17	mg/Kg		7/23/2019 10:48
Silver	< 0.584	mg/Kg		7/23/2019 10:48
Sodium	86.1	mg/Kg	J	7/23/2019 10:48
Thallium	< 1.46	mg/Kg		7/23/2019 20:40
Vanadium	11.6	mg/Kg		7/23/2019 10:48
Zinc	26.4	mg/Kg		7/23/2019 10:48

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-11

Lab Sample ID: 193386-11

Matrix: Soil

Date Sampled: 7/18/2019

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-11

Lab Sample ID: 193386-11

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.98	ug/Kg		7/22/2019 18:03
1,1,2,2-Tetrachloroethane	< 4.98	ug/Kg		7/22/2019 18:03
1,1,2-Trichloroethane	< 4.98	ug/Kg		7/22/2019 18:03
1,1-Dichloroethane	< 4.98	ug/Kg		7/22/2019 18:03
1,1-Dichloroethene	< 4.98	ug/Kg		7/22/2019 18:03
1,2,3-Trichlorobenzene	< 12.4	ug/Kg		7/22/2019 18:03
1,2,4-Trichlorobenzene	< 12.4	ug/Kg		7/22/2019 18:03
1,2,4-Trimethylbenzene	< 4.98	ug/Kg		7/22/2019 18:03
1,2-Dibromo-3-Chloropropane	< 24.9	ug/Kg		7/22/2019 18:03
1,2-Dibromoethane	< 4.98	ug/Kg		7/22/2019 18:03
1,2-Dichlorobenzene	< 4.98	ug/Kg		7/22/2019 18:03
1,2-Dichloroethane	< 4.98	ug/Kg		7/22/2019 18:03
1,2-Dichloropropane	< 4.98	ug/Kg		7/22/2019 18:03
1,3,5-Trimethylbenzene	< 4.98	ug/Kg		7/22/2019 18:03
1,3-Dichlorobenzene	< 4.98	ug/Kg		7/22/2019 18:03
1,4-Dichlorobenzene	< 4.98	ug/Kg		7/22/2019 18:03
1,4-Dioxane	< 49.8	ug/Kg		7/22/2019 18:03
2-Butanone	< 24.9	ug/Kg		7/22/2019 18:03
2-Hexanone	< 12.4	ug/Kg		7/22/2019 18:03
4-Methyl-2-pentanone	< 12.4	ug/Kg		7/22/2019 18:03
Acetone	< 24.9	ug/Kg		7/22/2019 18:03
Benzene	< 4.98	ug/Kg		7/22/2019 18:03
Bromochloromethane	< 12.4	ug/Kg		7/22/2019 18:03

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-11

Lab Sample ID: 193386-11

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.98	ug/Kg	7/22/2019 18:03
Bromoform	< 12.4	ug/Kg	7/22/2019 18:03
Bromomethane	< 4.98	ug/Kg	7/22/2019 18:03
Carbon disulfide	< 4.98	ug/Kg	7/22/2019 18:03
Carbon Tetrachloride	< 4.98	ug/Kg	7/22/2019 18:03
Chlorobenzene	< 4.98	ug/Kg	7/22/2019 18:03
Chloroethane	< 4.98	ug/Kg	7/22/2019 18:03
Chloroform	< 4.98	ug/Kg	7/22/2019 18:03
Chloromethane	< 4.98	ug/Kg	7/22/2019 18:03
cis-1,2-Dichloroethene	< 4.98	ug/Kg	7/22/2019 18:03
cis-1,3-Dichloropropene	< 4.98	ug/Kg	7/22/2019 18:03
Cyclohexane	< 24.9	ug/Kg	7/22/2019 18:03
Dibromochloromethane	< 4.98	ug/Kg	7/22/2019 18:03
Dichlorodifluoromethane	< 4.98	ug/Kg	7/22/2019 18:03
Ethylbenzene	< 4.98	ug/Kg	7/22/2019 18:03
Freon 113	< 4.98	ug/Kg	7/22/2019 18:03
Isopropylbenzene	< 4.98	ug/Kg	7/22/2019 18:03
m,p-Xylene	< 4.98	ug/Kg	7/22/2019 18:03
Methyl acetate	< 4.98	ug/Kg	7/22/2019 18:03
Methyl tert-butyl Ether	< 4.98	ug/Kg	7/22/2019 18:03
Methylcyclohexane	< 4.98	ug/Kg	7/22/2019 18:03
Methylene chloride	< 12.4	ug/Kg	7/22/2019 18:03
Naphthalene	< 12.4	ug/Kg	7/22/2019 18:03
n-Butylbenzene	< 4.98	ug/Kg	7/22/2019 18:03
n-Propylbenzene	< 4.98	ug/Kg	7/22/2019 18:03

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-11

Lab Sample ID: 193386-11

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.98	ug/Kg	7/22/2019	18:03
p-Isopropyltoluene	< 4.98	ug/Kg	7/22/2019	18:03
sec-Butylbenzene	< 4.98	ug/Kg	7/22/2019	18:03
Styrene	< 12.4	ug/Kg	7/22/2019	18:03
tert-Butylbenzene	< 4.98	ug/Kg	7/22/2019	18:03
Tetrachloroethene	< 4.98	ug/Kg	7/22/2019	18:03
Toluene	< 4.98	ug/Kg	7/22/2019	18:03
trans-1,2-Dichloroethene	< 4.98	ug/Kg	7/22/2019	18:03
trans-1,3-Dichloropropene	< 4.98	ug/Kg	7/22/2019	18:03
Trichloroethene	< 4.98	ug/Kg	7/22/2019	18:03
Trichlorofluoromethane	< 4.98	ug/Kg	7/22/2019	18:03
Vinyl chloride	< 4.98	ug/Kg	7/22/2019	18:03

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	114	71 - 141		7/22/2019 18:03
4-Bromofluorobenzene	83.5	60.2 - 128		7/22/2019 18:03
Pentafluorobenzene	98.1	86.6 - 111		7/22/2019 18:03
Toluene-D8	92.9	77.5 - 115		7/22/2019 18:03

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62798.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-12

Lab Sample ID: 193386-12

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.0131	mg/Kg		7/22/2019 10:01

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-12

Lab Sample ID: 193386-12

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	6060	mg/Kg		7/23/2019 10:52
Antimony	< 3.26	mg/Kg		7/23/2019 10:52
Arsenic	1.51	mg/Kg		7/23/2019 10:52
Barium	53.1	mg/Kg		7/23/2019 10:52
Beryllium	0.352	mg/Kg		7/23/2019 10:52
Cadmium	< 0.272	mg/Kg		7/23/2019 20:45
Calcium	1660	mg/Kg		7/23/2019 10:52
Chromium	6.96	mg/Kg		7/23/2019 10:52
Cobalt	3.48	mg/Kg		7/23/2019 10:52
Copper	8.83	mg/Kg		7/23/2019 10:52
Iron	9840	mg/Kg		7/23/2019 10:52
Lead	2.46	mg/Kg		7/23/2019 10:52
Magnesium	1400	mg/Kg		7/23/2019 10:52
Manganese	462	mg/Kg		7/23/2019 10:52
Nickel	7.86	mg/Kg		7/23/2019 10:52
Potassium	753	mg/Kg		7/23/2019 10:52
Selenium	< 1.09	mg/Kg		7/23/2019 10:52
Silver	< 0.544	mg/Kg		7/23/2019 10:52
Sodium	< 136	mg/Kg		7/23/2019 10:52
Thallium	< 1.36	mg/Kg		7/23/2019 20:45
Vanadium	12.7	mg/Kg		7/23/2019 10:52
Zinc	20.6	mg/Kg		7/23/2019 10:52

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-12

Lab Sample ID: 193386-12

Matrix: Soil

Date Sampled: 7/18/2019

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-12

Lab Sample ID: 193386-12

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.40	ug/Kg		7/22/2019 18:26
1,1,2,2-Tetrachloroethane	< 4.40	ug/Kg		7/22/2019 18:26
1,1,2-Trichloroethane	< 4.40	ug/Kg		7/22/2019 18:26
1,1-Dichloroethane	< 4.40	ug/Kg		7/22/2019 18:26
1,1-Dichloroethene	< 4.40	ug/Kg		7/22/2019 18:26
1,2,3-Trichlorobenzene	< 11.0	ug/Kg		7/22/2019 18:26
1,2,4-Trichlorobenzene	< 11.0	ug/Kg		7/22/2019 18:26
1,2,4-Trimethylbenzene	< 4.40	ug/Kg		7/22/2019 18:26
1,2-Dibromo-3-Chloropropane	< 22.0	ug/Kg		7/22/2019 18:26
1,2-Dibromoethane	< 4.40	ug/Kg		7/22/2019 18:26
1,2-Dichlorobenzene	< 4.40	ug/Kg		7/22/2019 18:26
1,2-Dichloroethane	< 4.40	ug/Kg		7/22/2019 18:26
1,2-Dichloropropane	< 4.40	ug/Kg		7/22/2019 18:26
1,3,5-Trimethylbenzene	< 4.40	ug/Kg		7/22/2019 18:26
1,3-Dichlorobenzene	< 4.40	ug/Kg		7/22/2019 18:26
1,4-Dichlorobenzene	< 4.40	ug/Kg		7/22/2019 18:26
1,4-Dioxane	< 44.0	ug/Kg		7/22/2019 18:26
2-Butanone	< 22.0	ug/Kg		7/22/2019 18:26
2-Hexanone	< 11.0	ug/Kg		7/22/2019 18:26
4-Methyl-2-pentanone	< 11.0	ug/Kg		7/22/2019 18:26
Acetone	< 22.0	ug/Kg		7/22/2019 18:26
Benzene	< 4.40	ug/Kg		7/22/2019 18:26
Bromochloromethane	< 11.0	ug/Kg		7/22/2019 18:26

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-12			
Lab Sample ID:	193386-12		Date Sampled:	7/18/2019
Matrix:	Soil		Date Received:	7/19/2019
Bromodichloromethane	< 4.40	ug/Kg	7/22/2019	18:26
Bromoform	< 11.0	ug/Kg	7/22/2019	18:26
Bromomethane	< 4.40	ug/Kg	7/22/2019	18:26
Carbon disulfide	< 4.40	ug/Kg	7/22/2019	18:26
Carbon Tetrachloride	< 4.40	ug/Kg	7/22/2019	18:26
Chlorobenzene	< 4.40	ug/Kg	7/22/2019	18:26
Chloroethane	< 4.40	ug/Kg	7/22/2019	18:26
Chloroform	< 4.40	ug/Kg	7/22/2019	18:26
Chloromethane	< 4.40	ug/Kg	7/22/2019	18:26
cis-1,2-Dichloroethene	< 4.40	ug/Kg	7/22/2019	18:26
cis-1,3-Dichloropropene	< 4.40	ug/Kg	7/22/2019	18:26
Cyclohexane	< 22.0	ug/Kg	7/22/2019	18:26
Dibromochloromethane	< 4.40	ug/Kg	7/22/2019	18:26
Dichlorodifluoromethane	< 4.40	ug/Kg	7/22/2019	18:26
Ethylbenzene	< 4.40	ug/Kg	7/22/2019	18:26
Freon 113	< 4.40	ug/Kg	7/22/2019	18:26
Isopropylbenzene	< 4.40	ug/Kg	7/22/2019	18:26
m,p-Xylene	< 4.40	ug/Kg	7/22/2019	18:26
Methyl acetate	< 4.40	ug/Kg	7/22/2019	18:26
Methyl tert-butyl Ether	< 4.40	ug/Kg	7/22/2019	18:26
Methylcyclohexane	< 4.40	ug/Kg	7/22/2019	18:26
Methylene chloride	< 11.0	ug/Kg	7/22/2019	18:26
Naphthalene	< 11.0	ug/Kg	7/22/2019	18:26
n-Butylbenzene	< 4.40	ug/Kg	7/22/2019	18:26
n-Propylbenzene	< 4.40	ug/Kg	7/22/2019	18:26

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-12

Lab Sample ID: 193386-12

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.40	ug/Kg	7/22/2019	18:26
p-Isopropyltoluene	< 4.40	ug/Kg	7/22/2019	18:26
sec-Butylbenzene	< 4.40	ug/Kg	7/22/2019	18:26
Styrene	< 11.0	ug/Kg	7/22/2019	18:26
tert-Butylbenzene	< 4.40	ug/Kg	7/22/2019	18:26
Tetrachloroethene	< 4.40	ug/Kg	7/22/2019	18:26
Toluene	< 4.40	ug/Kg	7/22/2019	18:26
trans-1,2-Dichloroethene	< 4.40	ug/Kg	7/22/2019	18:26
trans-1,3-Dichloropropene	< 4.40	ug/Kg	7/22/2019	18:26
Trichloroethene	< 4.40	ug/Kg	7/22/2019	18:26
Trichlorofluoromethane	< 4.40	ug/Kg	7/22/2019	18:26
Vinyl chloride	< 4.40	ug/Kg	7/22/2019	18:26

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	107	71 - 141		7/22/2019 18:26
4-Bromofluorobenzene	83.7	60.2 - 128		7/22/2019 18:26
Pentafluorobenzene	97.4	86.6 - 111		7/22/2019 18:26
Toluene-D8	91.8	77.5 - 115		7/22/2019 18:26

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62799.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-13

Lab Sample ID: 193386-13

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.124	mg/Kg		7/22/2019 10:06

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-13

Lab Sample ID: 193386-13

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	7000	mg/Kg		7/23/2019 11:06
Antimony	< 3.24	mg/Kg		7/23/2019 11:06
Arsenic	5.22	mg/Kg		7/23/2019 11:06
Barium	51.7	mg/Kg		7/23/2019 11:06
Beryllium	0.431	mg/Kg		7/23/2019 11:06
Cadmium	< 0.270	mg/Kg		7/23/2019 20:49
Calcium	1880	mg/Kg		7/23/2019 11:06
Chromium	8.84	mg/Kg		7/23/2019 11:06
Cobalt	4.11	mg/Kg		7/23/2019 11:06
Copper	10.2	mg/Kg		7/23/2019 11:06
Iron	11400	mg/Kg		7/23/2019 11:06
Lead	47.6	mg/Kg		7/23/2019 11:06
Magnesium	1800	mg/Kg		7/23/2019 11:06
Manganese	378	mg/Kg		7/23/2019 11:06
Nickel	7.83	mg/Kg		7/23/2019 11:06
Potassium	695	mg/Kg		7/23/2019 11:06
Selenium	< 1.08	mg/Kg		7/23/2019 11:06
Silver	< 0.540	mg/Kg		7/23/2019 11:06
Sodium	102	mg/Kg	J	7/23/2019 11:06
Thallium	< 1.35	mg/Kg		7/23/2019 20:49
Vanadium	15.1	mg/Kg		7/23/2019 11:06
Zinc	54.9	mg/Kg		7/23/2019 11:06

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Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-13

Lab Sample ID: 193386-13

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-13

Lab Sample ID: 193386-13

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.06	ug/Kg		7/22/2019 18:49
1,1,2,2-Tetrachloroethane	< 4.06	ug/Kg		7/22/2019 18:49
1,1,2-Trichloroethane	< 4.06	ug/Kg		7/22/2019 18:49
1,1-Dichloroethane	< 4.06	ug/Kg		7/22/2019 18:49
1,1-Dichloroethene	< 4.06	ug/Kg		7/22/2019 18:49
1,2,3-Trichlorobenzene	< 10.1	ug/Kg		7/22/2019 18:49
1,2,4-Trichlorobenzene	< 10.1	ug/Kg		7/22/2019 18:49
1,2,4-Trimethylbenzene	< 4.06	ug/Kg		7/22/2019 18:49
1,2-Dibromo-3-Chloropropane	< 20.3	ug/Kg		7/22/2019 18:49
1,2-Dibromoethane	< 4.06	ug/Kg		7/22/2019 18:49
1,2-Dichlorobenzene	< 4.06	ug/Kg		7/22/2019 18:49
1,2-Dichloroethane	< 4.06	ug/Kg		7/22/2019 18:49
1,2-Dichloropropane	< 4.06	ug/Kg		7/22/2019 18:49
1,3,5-Trimethylbenzene	< 4.06	ug/Kg		7/22/2019 18:49
1,3-Dichlorobenzene	< 4.06	ug/Kg		7/22/2019 18:49
1,4-Dichlorobenzene	< 4.06	ug/Kg		7/22/2019 18:49
1,4-Dioxane	< 40.6	ug/Kg		7/22/2019 18:49
2-Butanone	< 20.3	ug/Kg		7/22/2019 18:49
2-Hexanone	< 10.1	ug/Kg		7/22/2019 18:49
4-Methyl-2-pentanone	< 10.1	ug/Kg		7/22/2019 18:49
Acetone	< 20.3	ug/Kg		7/22/2019 18:49
Benzene	< 4.06	ug/Kg		7/22/2019 18:49
Bromochloromethane	< 10.1	ug/Kg		7/22/2019 18:49

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-13

Lab Sample ID: 193386-13

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.06	ug/Kg	7/22/2019 18:49
Bromoform	< 10.1	ug/Kg	7/22/2019 18:49
Bromomethane	< 4.06	ug/Kg	7/22/2019 18:49
Carbon disulfide	< 4.06	ug/Kg	7/22/2019 18:49
Carbon Tetrachloride	< 4.06	ug/Kg	7/22/2019 18:49
Chlorobenzene	< 4.06	ug/Kg	7/22/2019 18:49
Chloroethane	< 4.06	ug/Kg	7/22/2019 18:49
Chloroform	< 4.06	ug/Kg	7/22/2019 18:49
Chloromethane	< 4.06	ug/Kg	7/22/2019 18:49
cis-1,2-Dichloroethene	< 4.06	ug/Kg	7/22/2019 18:49
cis-1,3-Dichloropropene	< 4.06	ug/Kg	7/22/2019 18:49
Cyclohexane	< 20.3	ug/Kg	7/22/2019 18:49
Dibromochloromethane	< 4.06	ug/Kg	7/22/2019 18:49
Dichlorodifluoromethane	< 4.06	ug/Kg	7/22/2019 18:49
Ethylbenzene	< 4.06	ug/Kg	7/22/2019 18:49
Freon 113	< 4.06	ug/Kg	7/22/2019 18:49
Isopropylbenzene	< 4.06	ug/Kg	7/22/2019 18:49
m,p-Xylene	< 4.06	ug/Kg	7/22/2019 18:49
Methyl acetate	< 4.06	ug/Kg	7/22/2019 18:49
Methyl tert-butyl Ether	< 4.06	ug/Kg	7/22/2019 18:49
Methylcyclohexane	< 4.06	ug/Kg	7/22/2019 18:49
Methylene chloride	< 10.1	ug/Kg	7/22/2019 18:49
Naphthalene	< 10.1	ug/Kg	7/22/2019 18:49
n-Butylbenzene	< 4.06	ug/Kg	7/22/2019 18:49
n-Propylbenzene	< 4.06	ug/Kg	7/22/2019 18:49

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-13

Lab Sample ID: 193386-13

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.06	ug/Kg	7/22/2019	18:49
p-Isopropyltoluene	< 4.06	ug/Kg	7/22/2019	18:49
sec-Butylbenzene	< 4.06	ug/Kg	7/22/2019	18:49
Styrene	< 10.1	ug/Kg	7/22/2019	18:49
tert-Butylbenzene	< 4.06	ug/Kg	7/22/2019	18:49
Tetrachloroethene	< 4.06	ug/Kg	7/22/2019	18:49
Toluene	< 4.06	ug/Kg	7/22/2019	18:49
trans-1,2-Dichloroethene	< 4.06	ug/Kg	7/22/2019	18:49
trans-1,3-Dichloropropene	< 4.06	ug/Kg	7/22/2019	18:49
Trichloroethene	< 4.06	ug/Kg	7/22/2019	18:49
Trichlorofluoromethane	< 4.06	ug/Kg	7/22/2019	18:49
Vinyl chloride	< 4.06	ug/Kg	7/22/2019	18:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	108	71 - 141		7/22/2019 18:49
4-Bromofluorobenzene	87.7	60.2 - 128		7/22/2019 18:49
Pentafluorobenzene	96.6	86.6 - 111		7/22/2019 18:49
Toluene-D8	89.6	77.5 - 115		7/22/2019 18:49

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62800.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-14

Lab Sample ID: 193386-14

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.26	ug/Kg		7/22/2019 19:12
1,1,2,2-Tetrachloroethane	< 4.26	ug/Kg		7/22/2019 19:12
1,1,2-Trichloroethane	< 4.26	ug/Kg		7/22/2019 19:12
1,1-Dichloroethane	< 4.26	ug/Kg		7/22/2019 19:12
1,1-Dichloroethene	< 4.26	ug/Kg		7/22/2019 19:12
1,2,3-Trichlorobenzene	< 10.6	ug/Kg		7/22/2019 19:12
1,2,4-Trichlorobenzene	< 10.6	ug/Kg		7/22/2019 19:12
1,2,4-Trimethylbenzene	< 4.26	ug/Kg		7/22/2019 19:12
1,2-Dibromo-3-Chloropropane	< 21.3	ug/Kg		7/22/2019 19:12
1,2-Dibromoethane	< 4.26	ug/Kg		7/22/2019 19:12
1,2-Dichlorobenzene	< 4.26	ug/Kg		7/22/2019 19:12
1,2-Dichloroethane	< 4.26	ug/Kg		7/22/2019 19:12
1,2-Dichloropropane	< 4.26	ug/Kg		7/22/2019 19:12
1,3,5-Trimethylbenzene	< 4.26	ug/Kg		7/22/2019 19:12
1,3-Dichlorobenzene	< 4.26	ug/Kg		7/22/2019 19:12
1,4-Dichlorobenzene	< 4.26	ug/Kg		7/22/2019 19:12
1,4-Dioxane	< 42.6	ug/Kg		7/22/2019 19:12
2-Butanone	< 21.3	ug/Kg		7/22/2019 19:12
2-Hexanone	< 10.6	ug/Kg		7/22/2019 19:12
4-Methyl-2-pentanone	< 10.6	ug/Kg		7/22/2019 19:12
Acetone	15.6	ug/Kg	J	7/22/2019 19:12
Benzene	< 4.26	ug/Kg		7/22/2019 19:12
Bromochloromethane	< 10.6	ug/Kg		7/22/2019 19:12

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-14

Lab Sample ID: 193386-14

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.26	ug/Kg	7/22/2019 19:12
Bromoform	< 10.6	ug/Kg	7/22/2019 19:12
Bromomethane	< 4.26	ug/Kg	7/22/2019 19:12
Carbon disulfide	< 4.26	ug/Kg	7/22/2019 19:12
Carbon Tetrachloride	< 4.26	ug/Kg	7/22/2019 19:12
Chlorobenzene	< 4.26	ug/Kg	7/22/2019 19:12
Chloroethane	< 4.26	ug/Kg	7/22/2019 19:12
Chloroform	< 4.26	ug/Kg	7/22/2019 19:12
Chloromethane	< 4.26	ug/Kg	7/22/2019 19:12
cis-1,2-Dichloroethene	< 4.26	ug/Kg	7/22/2019 19:12
cis-1,3-Dichloropropene	< 4.26	ug/Kg	7/22/2019 19:12
Cyclohexane	< 21.3	ug/Kg	7/22/2019 19:12
Dibromochloromethane	< 4.26	ug/Kg	7/22/2019 19:12
Dichlorodifluoromethane	< 4.26	ug/Kg	7/22/2019 19:12
Ethylbenzene	< 4.26	ug/Kg	7/22/2019 19:12
Freon 113	< 4.26	ug/Kg	7/22/2019 19:12
Isopropylbenzene	< 4.26	ug/Kg	7/22/2019 19:12
m,p-Xylene	< 4.26	ug/Kg	7/22/2019 19:12
Methyl acetate	< 4.26	ug/Kg	7/22/2019 19:12
Methyl tert-butyl Ether	< 4.26	ug/Kg	7/22/2019 19:12
Methylcyclohexane	< 4.26	ug/Kg	7/22/2019 19:12
Methylene chloride	< 10.6	ug/Kg	7/22/2019 19:12
Naphthalene	< 10.6	ug/Kg	7/22/2019 19:12
n-Butylbenzene	< 4.26	ug/Kg	7/22/2019 19:12
n-Propylbenzene	< 4.26	ug/Kg	7/22/2019 19:12

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-14

Lab Sample ID: 193386-14

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.26	ug/Kg	7/22/2019	19:12
p-Isopropyltoluene	< 4.26	ug/Kg	7/22/2019	19:12
sec-Butylbenzene	< 4.26	ug/Kg	7/22/2019	19:12
Styrene	< 10.6	ug/Kg	7/22/2019	19:12
tert-Butylbenzene	< 4.26	ug/Kg	7/22/2019	19:12
Tetrachloroethene	< 4.26	ug/Kg	7/22/2019	19:12
Toluene	< 4.26	ug/Kg	7/22/2019	19:12
trans-1,2-Dichloroethene	< 4.26	ug/Kg	7/22/2019	19:12
trans-1,3-Dichloropropene	< 4.26	ug/Kg	7/22/2019	19:12
Trichloroethene	< 4.26	ug/Kg	7/22/2019	19:12
Trichlorofluoromethane	< 4.26	ug/Kg	7/22/2019	19:12
Vinyl chloride	< 4.26	ug/Kg	7/22/2019	19:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	109	71 - 141		7/22/2019 19:12
4-Bromofluorobenzene	82.0	60.2 - 128		7/22/2019 19:12
Pentafluorobenzene	95.6	86.6 - 111		7/22/2019 19:12
Toluene-D8	92.2	77.5 - 115		7/22/2019 19:12

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62801.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-15

Lab Sample ID: 193386-15

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.11	ug/Kg		7/22/2019 19:35
1,1,2,2-Tetrachloroethane	< 4.11	ug/Kg		7/22/2019 19:35
1,1,2-Trichloroethane	< 4.11	ug/Kg		7/22/2019 19:35
1,1-Dichloroethane	< 4.11	ug/Kg		7/22/2019 19:35
1,1-Dichloroethene	< 4.11	ug/Kg		7/22/2019 19:35
1,2,3-Trichlorobenzene	< 10.3	ug/Kg		7/22/2019 19:35
1,2,4-Trichlorobenzene	< 10.3	ug/Kg		7/22/2019 19:35
1,2,4-Trimethylbenzene	< 4.11	ug/Kg		7/22/2019 19:35
1,2-Dibromo-3-Chloropropane	< 20.6	ug/Kg		7/22/2019 19:35
1,2-Dibromoethane	< 4.11	ug/Kg		7/22/2019 19:35
1,2-Dichlorobenzene	< 4.11	ug/Kg		7/22/2019 19:35
1,2-Dichloroethane	< 4.11	ug/Kg		7/22/2019 19:35
1,2-Dichloropropane	< 4.11	ug/Kg		7/22/2019 19:35
1,3,5-Trimethylbenzene	< 4.11	ug/Kg		7/22/2019 19:35
1,3-Dichlorobenzene	< 4.11	ug/Kg		7/22/2019 19:35
1,4-Dichlorobenzene	< 4.11	ug/Kg		7/22/2019 19:35
1,4-Dioxane	< 41.1	ug/Kg		7/22/2019 19:35
2-Butanone	< 20.6	ug/Kg		7/22/2019 19:35
2-Hexanone	< 10.3	ug/Kg		7/22/2019 19:35
4-Methyl-2-pentanone	< 10.3	ug/Kg		7/22/2019 19:35
Acetone	< 20.6	ug/Kg		7/22/2019 19:35
Benzene	< 4.11	ug/Kg		7/22/2019 19:35
Bromochloromethane	< 10.3	ug/Kg		7/22/2019 19:35

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-15

Lab Sample ID: 193386-15

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.11	ug/Kg	7/22/2019 19:35
Bromoform	< 10.3	ug/Kg	7/22/2019 19:35
Bromomethane	< 4.11	ug/Kg	7/22/2019 19:35
Carbon disulfide	< 4.11	ug/Kg	7/22/2019 19:35
Carbon Tetrachloride	< 4.11	ug/Kg	7/22/2019 19:35
Chlorobenzene	< 4.11	ug/Kg	7/22/2019 19:35
Chloroethane	< 4.11	ug/Kg	7/22/2019 19:35
Chloroform	< 4.11	ug/Kg	7/22/2019 19:35
Chloromethane	< 4.11	ug/Kg	7/22/2019 19:35
cis-1,2-Dichloroethene	< 4.11	ug/Kg	7/22/2019 19:35
cis-1,3-Dichloropropene	< 4.11	ug/Kg	7/22/2019 19:35
Cyclohexane	< 20.6	ug/Kg	7/22/2019 19:35
Dibromochloromethane	< 4.11	ug/Kg	7/22/2019 19:35
Dichlorodifluoromethane	< 4.11	ug/Kg	7/22/2019 19:35
Ethylbenzene	< 4.11	ug/Kg	7/22/2019 19:35
Freon 113	< 4.11	ug/Kg	7/22/2019 19:35
Isopropylbenzene	< 4.11	ug/Kg	7/22/2019 19:35
m,p-Xylene	< 4.11	ug/Kg	7/22/2019 19:35
Methyl acetate	< 4.11	ug/Kg	7/22/2019 19:35
Methyl tert-butyl Ether	< 4.11	ug/Kg	7/22/2019 19:35
Methylcyclohexane	< 4.11	ug/Kg	7/22/2019 19:35
Methylene chloride	< 10.3	ug/Kg	7/22/2019 19:35
Naphthalene	< 10.3	ug/Kg	7/22/2019 19:35
n-Butylbenzene	< 4.11	ug/Kg	7/22/2019 19:35
n-Propylbenzene	< 4.11	ug/Kg	7/22/2019 19:35

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-15

Lab Sample ID: 193386-15

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.11	ug/Kg	7/22/2019	19:35
p-Isopropyltoluene	< 4.11	ug/Kg	7/22/2019	19:35
sec-Butylbenzene	< 4.11	ug/Kg	7/22/2019	19:35
Styrene	< 10.3	ug/Kg	7/22/2019	19:35
tert-Butylbenzene	< 4.11	ug/Kg	7/22/2019	19:35
Tetrachloroethene	< 4.11	ug/Kg	7/22/2019	19:35
Toluene	< 4.11	ug/Kg	7/22/2019	19:35
trans-1,2-Dichloroethene	< 4.11	ug/Kg	7/22/2019	19:35
trans-1,3-Dichloropropene	< 4.11	ug/Kg	7/22/2019	19:35
Trichloroethene	< 4.11	ug/Kg	7/22/2019	19:35
Trichlorofluoromethane	< 4.11	ug/Kg	7/22/2019	19:35
Vinyl chloride	< 4.11	ug/Kg	7/22/2019	19:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	112	71 - 141		7/22/2019 19:35
4-Bromofluorobenzene	87.7	60.2 - 128		7/22/2019 19:35
Pentafluorobenzene	94.9	86.6 - 111		7/22/2019 19:35
Toluene-D8	93.2	77.5 - 115		7/22/2019 19:35

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62802.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-16

Lab Sample ID: 193386-16

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.08	ug/Kg		7/22/2019 19:58
1,1,2,2-Tetrachloroethane	< 4.08	ug/Kg		7/22/2019 19:58
1,1,2-Trichloroethane	< 4.08	ug/Kg		7/22/2019 19:58
1,1-Dichloroethane	< 4.08	ug/Kg		7/22/2019 19:58
1,1-Dichloroethene	< 4.08	ug/Kg		7/22/2019 19:58
1,2,3-Trichlorobenzene	< 10.2	ug/Kg		7/22/2019 19:58
1,2,4-Trichlorobenzene	< 10.2	ug/Kg		7/22/2019 19:58
1,2,4-Trimethylbenzene	< 4.08	ug/Kg		7/22/2019 19:58
1,2-Dibromo-3-Chloropropane	< 20.4	ug/Kg		7/22/2019 19:58
1,2-Dibromoethane	< 4.08	ug/Kg		7/22/2019 19:58
1,2-Dichlorobenzene	< 4.08	ug/Kg		7/22/2019 19:58
1,2-Dichloroethane	< 4.08	ug/Kg		7/22/2019 19:58
1,2-Dichloropropane	< 4.08	ug/Kg		7/22/2019 19:58
1,3,5-Trimethylbenzene	< 4.08	ug/Kg		7/22/2019 19:58
1,3-Dichlorobenzene	< 4.08	ug/Kg		7/22/2019 19:58
1,4-Dichlorobenzene	< 4.08	ug/Kg		7/22/2019 19:58
1,4-Dioxane	< 40.8	ug/Kg		7/22/2019 19:58
2-Butanone	< 20.4	ug/Kg		7/22/2019 19:58
2-Hexanone	< 10.2	ug/Kg		7/22/2019 19:58
4-Methyl-2-pentanone	< 10.2	ug/Kg		7/22/2019 19:58
Acetone	< 20.4	ug/Kg		7/22/2019 19:58
Benzene	< 4.08	ug/Kg		7/22/2019 19:58
Bromochloromethane	< 10.2	ug/Kg		7/22/2019 19:58

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-16

Lab Sample ID: 193386-16

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.08	ug/Kg	7/22/2019 19:58
Bromoform	< 10.2	ug/Kg	7/22/2019 19:58
Bromomethane	< 4.08	ug/Kg	7/22/2019 19:58
Carbon disulfide	< 4.08	ug/Kg	7/22/2019 19:58
Carbon Tetrachloride	< 4.08	ug/Kg	7/22/2019 19:58
Chlorobenzene	< 4.08	ug/Kg	7/22/2019 19:58
Chloroethane	< 4.08	ug/Kg	7/22/2019 19:58
Chloroform	< 4.08	ug/Kg	7/22/2019 19:58
Chloromethane	< 4.08	ug/Kg	7/22/2019 19:58
cis-1,2-Dichloroethene	< 4.08	ug/Kg	7/22/2019 19:58
cis-1,3-Dichloropropene	< 4.08	ug/Kg	7/22/2019 19:58
Cyclohexane	< 20.4	ug/Kg	7/22/2019 19:58
Dibromochloromethane	< 4.08	ug/Kg	7/22/2019 19:58
Dichlorodifluoromethane	< 4.08	ug/Kg	7/22/2019 19:58
Ethylbenzene	< 4.08	ug/Kg	7/22/2019 19:58
Freon 113	< 4.08	ug/Kg	7/22/2019 19:58
Isopropylbenzene	< 4.08	ug/Kg	7/22/2019 19:58
m,p-Xylene	< 4.08	ug/Kg	7/22/2019 19:58
Methyl acetate	< 4.08	ug/Kg	7/22/2019 19:58
Methyl tert-butyl Ether	< 4.08	ug/Kg	7/22/2019 19:58
Methylcyclohexane	< 4.08	ug/Kg	7/22/2019 19:58
Methylene chloride	< 10.2	ug/Kg	7/22/2019 19:58
Naphthalene	< 10.2	ug/Kg	7/22/2019 19:58
n-Butylbenzene	< 4.08	ug/Kg	7/22/2019 19:58
n-Propylbenzene	< 4.08	ug/Kg	7/22/2019 19:58

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-16

Lab Sample ID: 193386-16

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.08	ug/Kg	7/22/2019	19:58
p-Isopropyltoluene	< 4.08	ug/Kg	7/22/2019	19:58
sec-Butylbenzene	< 4.08	ug/Kg	7/22/2019	19:58
Styrene	< 10.2	ug/Kg	7/22/2019	19:58
tert-Butylbenzene	< 4.08	ug/Kg	7/22/2019	19:58
Tetrachloroethene	< 4.08	ug/Kg	7/22/2019	19:58
Toluene	< 4.08	ug/Kg	7/22/2019	19:58
trans-1,2-Dichloroethene	< 4.08	ug/Kg	7/22/2019	19:58
trans-1,3-Dichloropropene	< 4.08	ug/Kg	7/22/2019	19:58
Trichloroethene	< 4.08	ug/Kg	7/22/2019	19:58
Trichlorofluoromethane	< 4.08	ug/Kg	7/22/2019	19:58
Vinyl chloride	< 4.08	ug/Kg	7/22/2019	19:58

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	111	71 - 141		7/22/2019 19:58
4-Bromofluorobenzene	83.2	60.2 - 128		7/22/2019 19:58
Pentafluorobenzene	97.6	86.6 - 111		7/22/2019 19:58
Toluene-D8	93.5	77.5 - 115		7/22/2019 19:58

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62803.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-17

Lab Sample ID: 193386-17

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	< 0.00897	mg/Kg		7/22/2019 10:08

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-17

Lab Sample ID: 193386-17

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	4140	mg/Kg		7/23/2019 11:10
Antimony	< 3.38	mg/Kg		7/23/2019 11:10
Arsenic	1.80	mg/Kg		7/23/2019 11:10
Barium	32.5	mg/Kg		7/23/2019 11:10
Beryllium	0.240	mg/Kg	J	7/23/2019 11:10
Cadmium	< 0.281	mg/Kg		7/23/2019 20:54
Calcium	47200	mg/Kg		7/23/2019 19:20
Chromium	5.71	mg/Kg		7/23/2019 11:10
Cobalt	3.17	mg/Kg		7/23/2019 11:10
Copper	8.56	mg/Kg		7/23/2019 11:10
Iron	8530	mg/Kg		7/23/2019 11:10
Lead	1.90	mg/Kg		7/23/2019 11:10
Magnesium	10400	mg/Kg		7/23/2019 11:10
Manganese	267	mg/Kg		7/23/2019 11:10
Nickel	5.71	mg/Kg		7/23/2019 11:10
Potassium	1130	mg/Kg		7/23/2019 11:10
Selenium	0.827	mg/Kg	J	7/23/2019 11:10
Silver	< 0.563	mg/Kg		7/23/2019 11:10
Sodium	101	mg/Kg	J	7/23/2019 11:10
Thallium	1.48	mg/Kg		7/23/2019 20:54
Vanadium	9.57	mg/Kg		7/23/2019 11:10
Zinc	18.3	mg/Kg		7/23/2019 11:10

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-17

Lab Sample ID: 193386-17

Matrix: Soil

Date Sampled: 7/18/2019

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-17

Lab Sample ID: 193386-17

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.37	ug/Kg		7/22/2019 20:21
1,1,2,2-Tetrachloroethane	< 4.37	ug/Kg		7/22/2019 20:21
1,1,2-Trichloroethane	< 4.37	ug/Kg		7/22/2019 20:21
1,1-Dichloroethane	< 4.37	ug/Kg		7/22/2019 20:21
1,1-Dichloroethene	< 4.37	ug/Kg		7/22/2019 20:21
1,2,3-Trichlorobenzene	< 10.9	ug/Kg		7/22/2019 20:21
1,2,4-Trichlorobenzene	< 10.9	ug/Kg		7/22/2019 20:21
1,2,4-Trimethylbenzene	< 4.37	ug/Kg		7/22/2019 20:21
1,2-Dibromo-3-Chloropropane	< 21.9	ug/Kg		7/22/2019 20:21
1,2-Dibromoethane	< 4.37	ug/Kg		7/22/2019 20:21
1,2-Dichlorobenzene	< 4.37	ug/Kg		7/22/2019 20:21
1,2-Dichloroethane	< 4.37	ug/Kg		7/22/2019 20:21
1,2-Dichloropropane	< 4.37	ug/Kg		7/22/2019 20:21
1,3,5-Trimethylbenzene	< 4.37	ug/Kg		7/22/2019 20:21
1,3-Dichlorobenzene	< 4.37	ug/Kg		7/22/2019 20:21
1,4-Dichlorobenzene	< 4.37	ug/Kg		7/22/2019 20:21
1,4-Dioxane	< 43.7	ug/Kg		7/22/2019 20:21
2-Butanone	< 21.9	ug/Kg		7/22/2019 20:21
2-Hexanone	< 10.9	ug/Kg		7/22/2019 20:21
4-Methyl-2-pentanone	< 10.9	ug/Kg		7/22/2019 20:21
Acetone	< 21.9	ug/Kg		7/22/2019 20:21
Benzene	< 4.37	ug/Kg		7/22/2019 20:21
Bromochloromethane	< 10.9	ug/Kg		7/22/2019 20:21

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Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-17		
Lab Sample ID:	193386-17	Date Sampled:	7/18/2019
Matrix:	Soil	Date Received:	7/19/2019

Bromodichloromethane	< 4.37	ug/Kg	7/22/2019 20:21
Bromoform	< 10.9	ug/Kg	7/22/2019 20:21
Bromomethane	< 4.37	ug/Kg	7/22/2019 20:21
Carbon disulfide	< 4.37	ug/Kg	7/22/2019 20:21
Carbon Tetrachloride	< 4.37	ug/Kg	7/22/2019 20:21
Chlorobenzene	< 4.37	ug/Kg	7/22/2019 20:21
Chloroethane	< 4.37	ug/Kg	7/22/2019 20:21
Chloroform	< 4.37	ug/Kg	7/22/2019 20:21
Chloromethane	< 4.37	ug/Kg	7/22/2019 20:21
cis-1,2-Dichloroethene	< 4.37	ug/Kg	7/22/2019 20:21
cis-1,3-Dichloropropene	< 4.37	ug/Kg	7/22/2019 20:21
Cyclohexane	< 21.9	ug/Kg	7/22/2019 20:21
Dibromochloromethane	< 4.37	ug/Kg	7/22/2019 20:21
Dichlorodifluoromethane	< 4.37	ug/Kg	7/22/2019 20:21
Ethylbenzene	< 4.37	ug/Kg	7/22/2019 20:21
Freon 113	< 4.37	ug/Kg	7/22/2019 20:21
Isopropylbenzene	< 4.37	ug/Kg	7/22/2019 20:21
m,p-Xylene	< 4.37	ug/Kg	7/22/2019 20:21
Methyl acetate	< 4.37	ug/Kg	7/22/2019 20:21
Methyl tert-butyl Ether	< 4.37	ug/Kg	7/22/2019 20:21
Methylcyclohexane	< 4.37	ug/Kg	7/22/2019 20:21
Methylene chloride	< 10.9	ug/Kg	7/22/2019 20:21
Naphthalene	< 10.9	ug/Kg	7/22/2019 20:21
n-Butylbenzene	< 4.37	ug/Kg	7/22/2019 20:21
n-Propylbenzene	< 4.37	ug/Kg	7/22/2019 20:21

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-17

Lab Sample ID: 193386-17

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.37	ug/Kg	7/22/2019	20:21
p-Isopropyltoluene	< 4.37	ug/Kg	7/22/2019	20:21
sec-Butylbenzene	< 4.37	ug/Kg	7/22/2019	20:21
Styrene	< 10.9	ug/Kg	7/22/2019	20:21
tert-Butylbenzene	< 4.37	ug/Kg	7/22/2019	20:21
Tetrachloroethene	< 4.37	ug/Kg	7/22/2019	20:21
Toluene	< 4.37	ug/Kg	7/22/2019	20:21
trans-1,2-Dichloroethene	< 4.37	ug/Kg	7/22/2019	20:21
trans-1,3-Dichloropropene	< 4.37	ug/Kg	7/22/2019	20:21
Trichloroethene	< 4.37	ug/Kg	7/22/2019	20:21
Trichlorofluoromethane	< 4.37	ug/Kg	7/22/2019	20:21
Vinyl chloride	< 4.37	ug/Kg	7/22/2019	20:21

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	110	71 - 141		7/22/2019 20:21
4-Bromofluorobenzene	89.2	60.2 - 128		7/22/2019 20:21
Pentafluorobenzene	94.5	86.6 - 111		7/22/2019 20:21
Toluene-D8	94.9	77.5 - 115		7/22/2019 20:21

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62804.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.0498	mg/Kg		7/22/2019 10:10

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	9880	mg/Kg		7/23/2019 11:15
Antimony	< 3.11	mg/Kg		7/23/2019 11:15
Arsenic	3.61	mg/Kg		7/23/2019 11:15
Barium	47.7	mg/Kg		7/23/2019 11:15
Beryllium	0.409	mg/Kg		7/23/2019 11:15
Cadmium	< 0.518	mg/Kg		7/24/2019 16:19
Calcium	2480	mg/Kg		7/23/2019 11:15
Chromium	8.35	mg/Kg		7/23/2019 11:15
Cobalt	5.31	mg/Kg		7/23/2019 11:15
Copper	7.10	mg/Kg		7/23/2019 11:15
Iron	16300	mg/Kg		7/23/2019 11:15
Lead	21.4	mg/Kg		7/23/2019 11:15
Magnesium	1780	mg/Kg		7/23/2019 11:15
Manganese	320	mg/Kg		7/23/2019 11:15
Nickel	7.51	mg/Kg		7/23/2019 11:15
Potassium	691	mg/Kg		7/23/2019 11:15
Selenium	< 1.04	mg/Kg		7/23/2019 11:15
Silver	< 0.518	mg/Kg		7/23/2019 11:15
Sodium	< 130	mg/Kg		7/23/2019 11:15
Thallium	< 1.30	mg/Kg		7/23/2019 20:58
Vanadium	15.9	mg/Kg		7/23/2019 11:15
Zinc	36.8	mg/Kg		7/23/2019 11:15

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Matrix: Soil

Date Sampled: 7/18/2019

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1221	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1232	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1242	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1248	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1254	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1260	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1262	< 0.163	mg/Kg		7/23/2019 03:42
PCB-1268	< 0.163	mg/Kg		7/23/2019 03:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	69.9	21.7 - 82.5		7/23/2019 03:42

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 7/22/2019

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 302	ug/Kg		7/24/2019 03:03
1,2,4,5-Tetrachlorobenzene	< 302	ug/Kg		7/24/2019 03:03
1,2,4-Trichlorobenzene	< 302	ug/Kg		7/24/2019 03:03
1,2-Dichlorobenzene	< 302	ug/Kg		7/24/2019 03:03
1,3-Dichlorobenzene	< 302	ug/Kg		7/24/2019 03:03
1,4-Dichlorobenzene	< 302	ug/Kg		7/24/2019 03:03
2,2-Oxybis (1-chloropropane)	< 302	ug/Kg		7/24/2019 03:03
2,3,4,6-Tetrachlorophenol	< 302	ug/Kg		7/24/2019 03:03
2,4,5-Trichlorophenol	< 302	ug/Kg		7/24/2019 03:03
2,4,6-Trichlorophenol	< 302	ug/Kg		7/24/2019 03:03
2,4-Dichlorophenol	< 302	ug/Kg		7/24/2019 03:03
2,4-Dimethylphenol	< 302	ug/Kg		7/24/2019 03:03
2,4-Dinitrophenol	< 1210	ug/Kg		7/24/2019 03:03
2,4-Dinitrotoluene	< 302	ug/Kg		7/24/2019 03:03
2,6-Dinitrotoluene	< 302	ug/Kg		7/24/2019 03:03
2-Chloronaphthalene	< 302	ug/Kg		7/24/2019 03:03
2-Chlorophenol	< 302	ug/Kg		7/24/2019 03:03
2-Methylnapthalene	< 302	ug/Kg		7/24/2019 03:03
2-Methylphenol	< 302	ug/Kg		7/24/2019 03:03
2-Nitroaniline	< 302	ug/Kg		7/24/2019 03:03
2-Nitrophenol	< 302	ug/Kg		7/24/2019 03:03
3&4-Methylphenol	< 302	ug/Kg		7/24/2019 03:03
3,3'-Dichlorobenzidine	< 302	ug/Kg		7/24/2019 03:03

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-18			
Lab Sample ID:	193386-18		Date Sampled:	7/18/2019
Matrix:	Soil		Date Received:	7/19/2019
3-Nitroaniline	< 302	ug/Kg		7/24/2019 03:03
4,6-Dinitro-2-methylphenol	< 603	ug/Kg		7/24/2019 03:03
4-Bromophenyl phenyl ether	< 302	ug/Kg		7/24/2019 03:03
4-Chloro-3-methylphenol	< 302	ug/Kg		7/24/2019 03:03
4-Chloroaniline	< 302	ug/Kg		7/24/2019 03:03
4-Chlorophenyl phenyl ether	< 302	ug/Kg		7/24/2019 03:03
4-Nitroaniline	< 302	ug/Kg		7/24/2019 03:03
4-Nitrophenol	< 302	ug/Kg		7/24/2019 03:03
Acenaphthene	< 302	ug/Kg		7/24/2019 03:03
Acenaphthylene	< 302	ug/Kg		7/24/2019 03:03
Acetophenone	< 302	ug/Kg		7/24/2019 03:03
Anthracene	< 302	ug/Kg		7/24/2019 03:03
Atrazine	< 302	ug/Kg		7/24/2019 03:03
Benzaldehyde	< 302	ug/Kg		7/24/2019 03:03
Benzo (a) anthracene	< 302	ug/Kg		7/24/2019 03:03
Benzo (a) pyrene	< 302	ug/Kg		7/24/2019 03:03
Benzo (b) fluoranthene	< 302	ug/Kg		7/24/2019 03:03
Benzo (g,h,i) perylene	< 302	ug/Kg		7/24/2019 03:03
Benzo (k) fluoranthene	< 302	ug/Kg		7/24/2019 03:03
Bis (2-chloroethoxy) methane	< 302	ug/Kg		7/24/2019 03:03
Bis (2-chloroethyl) ether	< 302	ug/Kg		7/24/2019 03:03
Bis (2-ethylhexyl) phthalate	< 302	ug/Kg		7/24/2019 03:03
Butylbenzylphthalate	< 302	ug/Kg		7/24/2019 03:03
Caprolactam	< 302	ug/Kg		7/24/2019 03:03
Carbazole	< 302	ug/Kg		7/24/2019 03:03

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Chrysene	< 302	ug/Kg	7/24/2019 03:03
Dibenz (a,h) anthracene	< 302	ug/Kg	7/24/2019 03:03
Dibenzofuran	< 302	ug/Kg	7/24/2019 03:03
Diethyl phthalate	< 302	ug/Kg	7/24/2019 03:03
Dimethyl phthalate	< 302	ug/Kg	7/24/2019 03:03
Di-n-butyl phthalate	< 302	ug/Kg	7/24/2019 03:03
Di-n-octylphthalate	< 302	ug/Kg	7/24/2019 03:03
Fluoranthene	< 302	ug/Kg	7/24/2019 03:03
Fluorene	< 302	ug/Kg	7/24/2019 03:03
Hexachlorobenzene	< 302	ug/Kg	7/24/2019 03:03
Hexachlorobutadiene	< 302	ug/Kg	7/24/2019 03:03
Hexachlorocyclopentadiene	< 1210	ug/Kg	7/24/2019 03:03
Hexachloroethane	< 302	ug/Kg	7/24/2019 03:03
Indeno (1,2,3-cd) pyrene	< 302	ug/Kg	7/24/2019 03:03
Isophorone	< 302	ug/Kg	7/24/2019 03:03
Naphthalene	< 302	ug/Kg	7/24/2019 03:03
Nitrobenzene	< 302	ug/Kg	7/24/2019 03:03
N-Nitroso-di-n-propylamine	< 302	ug/Kg	7/24/2019 03:03
N-Nitrosodiphenylamine	< 302	ug/Kg	7/24/2019 03:03
Pentachlorophenol	< 603	ug/Kg	7/24/2019 03:03
Phenanthrene	< 302	ug/Kg	7/24/2019 03:03
Phenol	< 302	ug/Kg	7/24/2019 03:03
Pyrene	< 302	ug/Kg	7/24/2019 03:03

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	57.5	34.9 - 92.6		7/24/2019 03:03
2-Fluorobiphenyl	54.8	39 - 77.6		7/24/2019 03:03
2-Fluorophenol	57.4	39.1 - 76.8		7/24/2019 03:03
Nitrobenzene-d5	51.9	35.4 - 75.3		7/24/2019 03:03
Phenol-d5	58.1	40.4 - 77.7		7/24/2019 03:03
Terphenyl-d14	61.2	42 - 93.5		7/24/2019 03:03

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/22/2019

Data File: B39094.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.71	ug/Kg		7/22/2019 20:43
1,1,2,2-Tetrachloroethane	< 4.71	ug/Kg		7/22/2019 20:43
1,1,2-Trichloroethane	< 4.71	ug/Kg		7/22/2019 20:43
1,1-Dichloroethane	< 4.71	ug/Kg		7/22/2019 20:43
1,1-Dichloroethene	< 4.71	ug/Kg		7/22/2019 20:43
1,2,3-Trichlorobenzene	< 11.8	ug/Kg		7/22/2019 20:43
1,2,4-Trichlorobenzene	< 11.8	ug/Kg		7/22/2019 20:43
1,2,4-Trimethylbenzene	< 4.71	ug/Kg		7/22/2019 20:43
1,2-Dibromo-3-Chloropropane	< 23.6	ug/Kg		7/22/2019 20:43
1,2-Dibromoethane	< 4.71	ug/Kg		7/22/2019 20:43
1,2-Dichlorobenzene	< 4.71	ug/Kg		7/22/2019 20:43
1,2-Dichloroethane	< 4.71	ug/Kg		7/22/2019 20:43
1,2-Dichloropropane	< 4.71	ug/Kg		7/22/2019 20:43
1,3,5-Trimethylbenzene	< 4.71	ug/Kg		7/22/2019 20:43
1,3-Dichlorobenzene	< 4.71	ug/Kg		7/22/2019 20:43
1,4-Dichlorobenzene	< 4.71	ug/Kg		7/22/2019 20:43
1,4-Dioxane	< 47.1	ug/Kg		7/22/2019 20:43
2-Butanone	< 23.6	ug/Kg		7/22/2019 20:43
2-Hexanone	< 11.8	ug/Kg		7/22/2019 20:43
4-Methyl-2-pentanone	< 11.8	ug/Kg		7/22/2019 20:43
Acetone	< 23.6	ug/Kg		7/22/2019 20:43
Benzene	< 4.71	ug/Kg		7/22/2019 20:43
Bromochloromethane	< 11.8	ug/Kg		7/22/2019 20:43

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.71	ug/Kg	7/22/2019 20:43
Bromoform	< 11.8	ug/Kg	7/22/2019 20:43
Bromomethane	< 4.71	ug/Kg	7/22/2019 20:43
Carbon disulfide	< 4.71	ug/Kg	7/22/2019 20:43
Carbon Tetrachloride	< 4.71	ug/Kg	7/22/2019 20:43
Chlorobenzene	< 4.71	ug/Kg	7/22/2019 20:43
Chloroethane	< 4.71	ug/Kg	7/22/2019 20:43
Chloroform	< 4.71	ug/Kg	7/22/2019 20:43
Chloromethane	< 4.71	ug/Kg	7/22/2019 20:43
cis-1,2-Dichloroethene	< 4.71	ug/Kg	7/22/2019 20:43
cis-1,3-Dichloropropene	< 4.71	ug/Kg	7/22/2019 20:43
Cyclohexane	< 23.6	ug/Kg	7/22/2019 20:43
Dibromochloromethane	< 4.71	ug/Kg	7/22/2019 20:43
Dichlorodifluoromethane	< 4.71	ug/Kg	7/22/2019 20:43
Ethylbenzene	< 4.71	ug/Kg	7/22/2019 20:43
Freon 113	< 4.71	ug/Kg	7/22/2019 20:43
Isopropylbenzene	< 4.71	ug/Kg	7/22/2019 20:43
m,p-Xylene	< 4.71	ug/Kg	7/22/2019 20:43
Methyl acetate	< 4.71	ug/Kg	7/22/2019 20:43
Methyl tert-butyl Ether	< 4.71	ug/Kg	7/22/2019 20:43
Methylcyclohexane	< 4.71	ug/Kg	7/22/2019 20:43
Methylene chloride	< 11.8	ug/Kg	7/22/2019 20:43
Naphthalene	< 11.8	ug/Kg	7/22/2019 20:43
n-Butylbenzene	< 4.71	ug/Kg	7/22/2019 20:43
n-Propylbenzene	< 4.71	ug/Kg	7/22/2019 20:43

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-18

Lab Sample ID: 193386-18

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.71	ug/Kg	7/22/2019	20:43
p-Isopropyltoluene	< 4.71	ug/Kg	7/22/2019	20:43
sec-Butylbenzene	< 4.71	ug/Kg	7/22/2019	20:43
Styrene	< 11.8	ug/Kg	7/22/2019	20:43
tert-Butylbenzene	< 4.71	ug/Kg	7/22/2019	20:43
Tetrachloroethene	< 4.71	ug/Kg	7/22/2019	20:43
Toluene	< 4.71	ug/Kg	7/22/2019	20:43
trans-1,2-Dichloroethene	< 4.71	ug/Kg	7/22/2019	20:43
trans-1,3-Dichloropropene	< 4.71	ug/Kg	7/22/2019	20:43
Trichloroethene	< 4.71	ug/Kg	7/22/2019	20:43
Trichlorofluoromethane	< 4.71	ug/Kg	7/22/2019	20:43
Vinyl chloride	< 4.71	ug/Kg	7/22/2019	20:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	111	71 - 141		7/22/2019 20:43
4-Bromofluorobenzene	78.3	60.2 - 128		7/22/2019 20:43
Pentafluorobenzene	92.7	86.6 - 111		7/22/2019 20:43
Toluene-D8	92.0	77.5 - 115		7/22/2019 20:43

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62805.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.181	mg/Kg		7/22/2019 10:12

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	12600	mg/Kg		7/23/2019 11:19
Antimony	2.10	mg/Kg	J	7/23/2019 11:19
Arsenic	1.39	mg/Kg		7/23/2019 11:19
Barium	83.5	mg/Kg		7/23/2019 11:19
Beryllium	1.22	mg/Kg		7/23/2019 11:19
Cadmium	< 0.279	mg/Kg		7/23/2019 21:12
Calcium	11300	mg/Kg		7/23/2019 11:19
Chromium	5.99	mg/Kg		7/23/2019 11:19
Cobalt	12.4	mg/Kg		7/23/2019 11:19
Copper	16.3	mg/Kg		7/23/2019 11:19
Iron	33100	mg/Kg		7/23/2019 19:25
Lead	15.8	mg/Kg		7/23/2019 11:19
Magnesium	4510	mg/Kg		7/23/2019 11:19
Manganese	793	mg/Kg		7/25/2019 19:25
Nickel	12.7	mg/Kg		7/23/2019 11:19
Potassium	1900	mg/Kg		7/23/2019 11:19
Selenium	< 1.12	mg/Kg		7/23/2019 11:19
Silver	< 1.12	mg/Kg		7/23/2019 19:25
Sodium	370	mg/Kg		7/23/2019 11:19
Thallium	< 1.40	mg/Kg		7/23/2019 11:19
Vanadium	< 1.40	mg/Kg		7/23/2019 21:12
Zinc	66.1	mg/Kg		7/23/2019 11:19

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Matrix: Soil

Date Sampled: 7/18/2019

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Matrix: Soil

Date Sampled: 7/18/2019

Date Received: 7/19/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1221	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1232	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1242	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1248	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1254	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1260	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1262	< 0.138	mg/Kg		7/23/2019 04:05
PCB-1268	< 0.138	mg/Kg		7/23/2019 04:05

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	70.0	21.7 - 82.5		7/23/2019 04:05

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 7/22/2019

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 307	ug/Kg		7/24/2019 06:51
1,2,4,5-Tetrachlorobenzene	< 307	ug/Kg		7/24/2019 06:51
1,2,4-Trichlorobenzene	< 307	ug/Kg		7/24/2019 06:51
1,2-Dichlorobenzene	< 307	ug/Kg		7/24/2019 06:51
1,3-Dichlorobenzene	< 307	ug/Kg		7/24/2019 06:51
1,4-Dichlorobenzene	< 307	ug/Kg		7/24/2019 06:51
2,2-Oxybis (1-chloropropane)	< 307	ug/Kg		7/24/2019 06:51
2,3,4,6-Tetrachlorophenol	< 307	ug/Kg		7/24/2019 06:51
2,4,5-Trichlorophenol	< 307	ug/Kg		7/24/2019 06:51
2,4,6-Trichlorophenol	< 307	ug/Kg		7/24/2019 06:51
2,4-Dichlorophenol	< 307	ug/Kg		7/24/2019 06:51
2,4-Dimethylphenol	< 307	ug/Kg		7/24/2019 06:51
2,4-Dinitrophenol	< 1230	ug/Kg		7/24/2019 06:51
2,4-Dinitrotoluene	< 307	ug/Kg		7/24/2019 06:51
2,6-Dinitrotoluene	< 307	ug/Kg		7/24/2019 06:51
2-Chloronaphthalene	< 307	ug/Kg		7/24/2019 06:51
2-Chlorophenol	< 307	ug/Kg		7/24/2019 06:51
2-Methylnapthalene	< 307	ug/Kg		7/24/2019 06:51
2-Methylphenol	< 307	ug/Kg		7/24/2019 06:51
2-Nitroaniline	< 307	ug/Kg		7/24/2019 06:51
2-Nitrophenol	< 307	ug/Kg		7/24/2019 06:51
3&4-Methylphenol	< 307	ug/Kg		7/24/2019 06:51
3,3'-Dichlorobenzidine	< 307	ug/Kg		7/24/2019 06:51

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-19			
Lab Sample ID:	193386-19		Date Sampled:	7/18/2019
Matrix:	Soil		Date Received:	7/19/2019
3-Nitroaniline	< 307	ug/Kg		7/24/2019 06:51
4,6-Dinitro-2-methylphenol	< 614	ug/Kg		7/24/2019 06:51
4-Bromophenyl phenyl ether	< 307	ug/Kg		7/24/2019 06:51
4-Chloro-3-methylphenol	< 307	ug/Kg		7/24/2019 06:51
4-Chloroaniline	< 307	ug/Kg		7/24/2019 06:51
4-Chlorophenyl phenyl ether	< 307	ug/Kg		7/24/2019 06:51
4-Nitroaniline	< 307	ug/Kg		7/24/2019 06:51
4-Nitrophenol	< 307	ug/Kg		7/24/2019 06:51
Acenaphthene	< 307	ug/Kg		7/24/2019 06:51
Acenaphthylene	< 307	ug/Kg		7/24/2019 06:51
Acetophenone	< 307	ug/Kg		7/24/2019 06:51
Anthracene	< 307	ug/Kg		7/24/2019 06:51
Atrazine	< 307	ug/Kg		7/24/2019 06:51
Benzaldehyde	< 307	ug/Kg		7/24/2019 06:51
Benzo (a) anthracene	< 307	ug/Kg		7/24/2019 06:51
Benzo (a) pyrene	< 307	ug/Kg		7/24/2019 06:51
Benzo (b) fluoranthene	< 307	ug/Kg		7/24/2019 06:51
Benzo (g,h,i) perylene	< 307	ug/Kg		7/24/2019 06:51
Benzo (k) fluoranthene	< 307	ug/Kg		7/24/2019 06:51
Bis (2-chloroethoxy) methane	< 307	ug/Kg		7/24/2019 06:51
Bis (2-chloroethyl) ether	< 307	ug/Kg		7/24/2019 06:51
Bis (2-ethylhexyl) phthalate	< 307	ug/Kg		7/24/2019 06:51
Butylbenzylphthalate	< 307	ug/Kg		7/24/2019 06:51
Caprolactam	< 307	ug/Kg		7/24/2019 06:51
Carbazole	< 307	ug/Kg		7/24/2019 06:51

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-19			
Lab Sample ID:	193386-19		Date Sampled:	7/18/2019
Matrix:	Soil		Date Received:	7/19/2019

Chrysene	< 307	ug/Kg	7/24/2019	06:51
Dibenz (a,h) anthracene	< 307	ug/Kg	7/24/2019	06:51
Dibenzofuran	< 307	ug/Kg	7/24/2019	06:51
Diethyl phthalate	< 307	ug/Kg	7/24/2019	06:51
Dimethyl phthalate	< 307	ug/Kg	7/24/2019	06:51
Di-n-butyl phthalate	< 307	ug/Kg	7/24/2019	06:51
Di-n-octylphthalate	< 307	ug/Kg	7/24/2019	06:51
Fluoranthene	< 307	ug/Kg	7/24/2019	06:51
Fluorene	< 307	ug/Kg	7/24/2019	06:51
Hexachlorobenzene	< 307	ug/Kg	7/24/2019	06:51
Hexachlorobutadiene	< 307	ug/Kg	7/24/2019	06:51
Hexachlorocyclopentadiene	< 1230	ug/Kg	7/24/2019	06:51
Hexachloroethane	< 307	ug/Kg	7/24/2019	06:51
Indeno (1,2,3-cd) pyrene	< 307	ug/Kg	7/24/2019	06:51
Isophorone	< 307	ug/Kg	7/24/2019	06:51
Naphthalene	< 307	ug/Kg	7/24/2019	06:51
Nitrobenzene	< 307	ug/Kg	7/24/2019	06:51
N-Nitroso-di-n-propylamine	< 307	ug/Kg	7/24/2019	06:51
N-Nitrosodiphenylamine	< 307	ug/Kg	7/24/2019	06:51
Pentachlorophenol	< 614	ug/Kg	7/24/2019	06:51
Phenanthrene	< 307	ug/Kg	7/24/2019	06:51
Phenol	< 307	ug/Kg	7/24/2019	06:51
Pyrene	< 307	ug/Kg	7/24/2019	06:51

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	64.2	34.9 - 92.6		7/24/2019 06:51
2-Fluorobiphenyl	60.1	39 - 77.6		7/24/2019 06:51
2-Fluorophenol	62.9	39.1 - 76.8		7/24/2019 06:51
Nitrobenzene-d5	57.5	35.4 - 75.3		7/24/2019 06:51
Phenol-d5	62.8	40.4 - 77.7		7/24/2019 06:51
Terphenyl-d14	68.5	42 - 93.5		7/24/2019 06:51

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/22/2019

Data File: B39102.D

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.08	ug/Kg		7/22/2019 21:06
1,1,2,2-Tetrachloroethane	< 4.08	ug/Kg		7/22/2019 21:06
1,1,2-Trichloroethane	< 4.08	ug/Kg		7/22/2019 21:06
1,1-Dichloroethane	< 4.08	ug/Kg		7/22/2019 21:06
1,1-Dichloroethene	< 4.08	ug/Kg		7/22/2019 21:06
1,2,3-Trichlorobenzene	< 10.2	ug/Kg		7/22/2019 21:06
1,2,4-Trichlorobenzene	< 10.2	ug/Kg		7/22/2019 21:06
1,2,4-Trimethylbenzene	< 4.08	ug/Kg		7/22/2019 21:06
1,2-Dibromo-3-Chloropropane	< 20.4	ug/Kg		7/22/2019 21:06
1,2-Dibromoethane	< 4.08	ug/Kg		7/22/2019 21:06
1,2-Dichlorobenzene	< 4.08	ug/Kg		7/22/2019 21:06
1,2-Dichloroethane	< 4.08	ug/Kg		7/22/2019 21:06
1,2-Dichloropropane	< 4.08	ug/Kg		7/22/2019 21:06
1,3,5-Trimethylbenzene	< 4.08	ug/Kg		7/22/2019 21:06
1,3-Dichlorobenzene	< 4.08	ug/Kg		7/22/2019 21:06
1,4-Dichlorobenzene	< 4.08	ug/Kg		7/22/2019 21:06
1,4-Dioxane	< 40.8	ug/Kg		7/22/2019 21:06
2-Butanone	< 20.4	ug/Kg		7/22/2019 21:06
2-Hexanone	< 10.2	ug/Kg		7/22/2019 21:06
4-Methyl-2-pentanone	< 10.2	ug/Kg		7/22/2019 21:06
Acetone	< 20.4	ug/Kg		7/22/2019 21:06
Benzene	< 4.08	ug/Kg		7/22/2019 21:06
Bromochloromethane	< 10.2	ug/Kg		7/22/2019 21:06

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Bromodichloromethane	< 4.08	ug/Kg	7/22/2019 21:06
Bromoform	< 10.2	ug/Kg	7/22/2019 21:06
Bromomethane	< 4.08	ug/Kg	7/22/2019 21:06
Carbon disulfide	< 4.08	ug/Kg	7/22/2019 21:06
Carbon Tetrachloride	< 4.08	ug/Kg	7/22/2019 21:06
Chlorobenzene	< 4.08	ug/Kg	7/22/2019 21:06
Chloroethane	< 4.08	ug/Kg	7/22/2019 21:06
Chloroform	< 4.08	ug/Kg	7/22/2019 21:06
Chloromethane	< 4.08	ug/Kg	7/22/2019 21:06
cis-1,2-Dichloroethene	< 4.08	ug/Kg	7/22/2019 21:06
cis-1,3-Dichloropropene	< 4.08	ug/Kg	7/22/2019 21:06
Cyclohexane	< 20.4	ug/Kg	7/22/2019 21:06
Dibromochloromethane	< 4.08	ug/Kg	7/22/2019 21:06
Dichlorodifluoromethane	< 4.08	ug/Kg	7/22/2019 21:06
Ethylbenzene	< 4.08	ug/Kg	7/22/2019 21:06
Freon 113	< 4.08	ug/Kg	7/22/2019 21:06
Isopropylbenzene	< 4.08	ug/Kg	7/22/2019 21:06
m,p-Xylene	< 4.08	ug/Kg	7/22/2019 21:06
Methyl acetate	< 4.08	ug/Kg	7/22/2019 21:06
Methyl tert-butyl Ether	< 4.08	ug/Kg	7/22/2019 21:06
Methylcyclohexane	< 4.08	ug/Kg	7/22/2019 21:06
Methylene chloride	< 10.2	ug/Kg	7/22/2019 21:06
Naphthalene	< 10.2	ug/Kg	7/22/2019 21:06
n-Butylbenzene	< 4.08	ug/Kg	7/22/2019 21:06
n-Propylbenzene	< 4.08	ug/Kg	7/22/2019 21:06

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-19

Lab Sample ID: 193386-19

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.08	ug/Kg	7/22/2019	21:06
p-Isopropyltoluene	< 4.08	ug/Kg	7/22/2019	21:06
sec-Butylbenzene	< 4.08	ug/Kg	7/22/2019	21:06
Styrene	< 10.2	ug/Kg	7/22/2019	21:06
tert-Butylbenzene	< 4.08	ug/Kg	7/22/2019	21:06
Tetrachloroethene	< 4.08	ug/Kg	7/22/2019	21:06
Toluene	< 4.08	ug/Kg	7/22/2019	21:06
trans-1,2-Dichloroethene	< 4.08	ug/Kg	7/22/2019	21:06
trans-1,3-Dichloropropene	< 4.08	ug/Kg	7/22/2019	21:06
Trichloroethene	< 4.08	ug/Kg	7/22/2019	21:06
Trichlorofluoromethane	< 4.08	ug/Kg	7/22/2019	21:06
Vinyl chloride	< 4.08	ug/Kg	7/22/2019	21:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	110	71 - 141		7/22/2019 21:06
4-Bromofluorobenzene	87.6	60.2 - 128		7/22/2019 21:06
Pentafluorobenzene	90.9	86.6 - 111		7/22/2019 21:06
Toluene-D8	93.1	77.5 - 115		7/22/2019 21:06

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62806.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.00493	mg/Kg	J	7/22/2019 10:17

Method Reference(s): EPA 7471B

Preparation Date: 7/19/2019

Data File: Hg190722A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	5490	mg/Kg		7/23/2019 11:24
Antimony	< 3.08	mg/Kg	M	7/23/2019 11:24
Arsenic	1.37	mg/Kg	M	7/23/2019 11:24
Barium	51.4	mg/Kg	DM	7/23/2019 11:24
Beryllium	0.346	mg/Kg	D	7/23/2019 11:24
Cadmium	< 0.256	mg/Kg	M	7/23/2019 21:16
Calcium	35500	mg/Kg		7/23/2019 19:29
Chromium	5.20	mg/Kg	M	7/23/2019 11:24
Cobalt	5.19	mg/Kg	DM	7/23/2019 11:24
Copper	14.3	mg/Kg	DM	7/23/2019 11:24
Iron	12200	mg/Kg	D	7/23/2019 11:24
Lead	1.05	mg/Kg	M	7/23/2019 11:24
Magnesium	5570	mg/Kg		7/23/2019 11:24
Manganese	371	mg/Kg	M	7/23/2019 11:24
Nickel	6.82	mg/Kg	M	7/23/2019 11:24
Potassium	905	mg/Kg		7/23/2019 11:24
Selenium	< 1.03	mg/Kg	M	7/23/2019 11:24
Silver	< 0.513	mg/Kg	M	7/23/2019 11:24
Sodium	579	mg/Kg	DM	7/23/2019 11:24
Thallium	0.928	mg/Kg	JM	7/23/2019 21:16
Vanadium	21.9	mg/Kg	DM	7/23/2019 11:24
Zinc	19.6	mg/Kg	M	7/23/2019 11:24

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Matrix: Soil

Date Sampled: 7/18/2019

Date Received: 7/19/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/22/2019

Data File: 190723A

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 305	ug/Kg		7/24/2019 07:20
1,2,4,5-Tetrachlorobenzene	< 305	ug/Kg		7/24/2019 07:20
1,2,4-Trichlorobenzene	< 305	ug/Kg		7/24/2019 07:20
1,2-Dichlorobenzene	< 305	ug/Kg		7/24/2019 07:20
1,3-Dichlorobenzene	< 305	ug/Kg		7/24/2019 07:20
1,4-Dichlorobenzene	< 305	ug/Kg		7/24/2019 07:20
2,2-Oxybis (1-chloropropane)	< 305	ug/Kg		7/24/2019 07:20
2,3,4,6-Tetrachlorophenol	< 305	ug/Kg		7/24/2019 07:20
2,4,5-Trichlorophenol	< 305	ug/Kg		7/24/2019 07:20
2,4,6-Trichlorophenol	< 305	ug/Kg		7/24/2019 07:20
2,4-Dichlorophenol	< 305	ug/Kg		7/24/2019 07:20
2,4-Dimethylphenol	< 305	ug/Kg		7/24/2019 07:20
2,4-Dinitrophenol	< 1220	ug/Kg		7/24/2019 07:20
2,4-Dinitrotoluene	< 305	ug/Kg		7/24/2019 07:20
2,6-Dinitrotoluene	< 305	ug/Kg		7/24/2019 07:20
2-Chloronaphthalene	< 305	ug/Kg		7/24/2019 07:20
2-Chlorophenol	< 305	ug/Kg		7/24/2019 07:20
2-Methylnapthalene	< 305	ug/Kg		7/24/2019 07:20
2-Methylphenol	< 305	ug/Kg		7/24/2019 07:20
2-Nitroaniline	< 305	ug/Kg		7/24/2019 07:20
2-Nitrophenol	< 305	ug/Kg		7/24/2019 07:20
3&4-Methylphenol	< 305	ug/Kg		7/24/2019 07:20
3,3'-Dichlorobenzidine	< 305	ug/Kg		7/24/2019 07:20

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-20			
Lab Sample ID:	193386-20		Date Sampled:	7/18/2019
Matrix:	Soil		Date Received:	7/19/2019
3-Nitroaniline	< 305	ug/Kg		7/24/2019 07:20
4,6-Dinitro-2-methylphenol	< 611	ug/Kg		7/24/2019 07:20
4-Bromophenyl phenyl ether	< 305	ug/Kg		7/24/2019 07:20
4-Chloro-3-methylphenol	< 305	ug/Kg		7/24/2019 07:20
4-Chloroaniline	< 305	ug/Kg		7/24/2019 07:20
4-Chlorophenyl phenyl ether	< 305	ug/Kg		7/24/2019 07:20
4-Nitroaniline	< 305	ug/Kg		7/24/2019 07:20
4-Nitrophenol	< 305	ug/Kg		7/24/2019 07:20
Acenaphthene	< 305	ug/Kg		7/24/2019 07:20
Acenaphthylene	< 305	ug/Kg		7/24/2019 07:20
Acetophenone	< 305	ug/Kg		7/24/2019 07:20
Anthracene	< 305	ug/Kg		7/24/2019 07:20
Atrazine	< 305	ug/Kg		7/24/2019 07:20
Benzaldehyde	< 305	ug/Kg		7/24/2019 07:20
Benzo (a) anthracene	< 305	ug/Kg		7/24/2019 07:20
Benzo (a) pyrene	< 305	ug/Kg		7/24/2019 07:20
Benzo (b) fluoranthene	< 305	ug/Kg		7/24/2019 07:20
Benzo (g,h,i) perylene	< 305	ug/Kg		7/24/2019 07:20
Benzo (k) fluoranthene	< 305	ug/Kg		7/24/2019 07:20
Bis (2-chloroethoxy) methane	< 305	ug/Kg		7/24/2019 07:20
Bis (2-chloroethyl) ether	< 305	ug/Kg		7/24/2019 07:20
Bis (2-ethylhexyl) phthalate	< 305	ug/Kg		7/24/2019 07:20
Butylbenzylphthalate	< 305	ug/Kg		7/24/2019 07:20
Caprolactam	< 305	ug/Kg		7/24/2019 07:20
Carbazole	< 305	ug/Kg		7/24/2019 07:20

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Chrysene	< 305	ug/Kg	7/24/2019 07:20
Dibenz (a,h) anthracene	< 305	ug/Kg	7/24/2019 07:20
Dibenzofuran	< 305	ug/Kg	7/24/2019 07:20
Diethyl phthalate	< 305	ug/Kg	7/24/2019 07:20
Dimethyl phthalate	< 305	ug/Kg	7/24/2019 07:20
Di-n-butyl phthalate	< 305	ug/Kg	7/24/2019 07:20
Di-n-octylphthalate	< 305	ug/Kg	7/24/2019 07:20
Fluoranthene	< 305	ug/Kg	7/24/2019 07:20
Fluorene	< 305	ug/Kg	7/24/2019 07:20
Hexachlorobenzene	< 305	ug/Kg	7/24/2019 07:20
Hexachlorobutadiene	< 305	ug/Kg	7/24/2019 07:20
Hexachlorocyclopentadiene	< 1220	ug/Kg	7/24/2019 07:20
Hexachloroethane	< 305	ug/Kg	7/24/2019 07:20
Indeno (1,2,3-cd) pyrene	< 305	ug/Kg	7/24/2019 07:20
Isophorone	< 305	ug/Kg	7/24/2019 07:20
Naphthalene	< 305	ug/Kg	7/24/2019 07:20
Nitrobenzene	< 305	ug/Kg	7/24/2019 07:20
N-Nitroso-di-n-propylamine	< 305	ug/Kg	7/24/2019 07:20
N-Nitrosodiphenylamine	< 305	ug/Kg	7/24/2019 07:20
Pentachlorophenol	< 611	ug/Kg	7/24/2019 07:20
Phenanthrene	< 305	ug/Kg	7/24/2019 07:20
Phenol	< 305	ug/Kg	7/24/2019 07:20
Pyrene	< 305	ug/Kg	7/24/2019 07:20

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	72.2	34.9 - 92.6		7/24/2019 07:20
2-Fluorobiphenyl	67.9	39 - 77.6		7/24/2019 07:20
2-Fluorophenol	69.4	39.1 - 76.8		7/24/2019 07:20
Nitrobenzene-d5	65.1	35.4 - 75.3		7/24/2019 07:20
Phenol-d5	70.4	40.4 - 77.7		7/24/2019 07:20
Terphenyl-d14	78.5	42 - 93.5		7/24/2019 07:20

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/22/2019

Data File: B39103.D

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.47	ug/Kg		7/23/2019 17:02
1,1,2,2-Tetrachloroethane	< 4.47	ug/Kg		7/23/2019 17:02
1,1,2-Trichloroethane	< 4.47	ug/Kg		7/23/2019 17:02
1,1-Dichloroethane	< 4.47	ug/Kg		7/23/2019 17:02
1,1-Dichloroethene	< 4.47	ug/Kg		7/23/2019 17:02
1,2,3-Trichlorobenzene	< 11.2	ug/Kg		7/23/2019 17:02
1,2,4-Trichlorobenzene	< 11.2	ug/Kg		7/23/2019 17:02
1,2,4-Trimethylbenzene	< 4.47	ug/Kg		7/23/2019 17:02
1,2-Dibromo-3-Chloropropane	< 22.4	ug/Kg		7/23/2019 17:02
1,2-Dibromoethane	< 4.47	ug/Kg		7/23/2019 17:02
1,2-Dichlorobenzene	< 4.47	ug/Kg		7/23/2019 17:02
1,2-Dichloroethane	< 4.47	ug/Kg		7/23/2019 17:02
1,2-Dichloropropane	< 4.47	ug/Kg		7/23/2019 17:02
1,3,5-Trimethylbenzene	< 4.47	ug/Kg		7/23/2019 17:02
1,3-Dichlorobenzene	< 4.47	ug/Kg		7/23/2019 17:02
1,4-Dichlorobenzene	< 4.47	ug/Kg		7/23/2019 17:02
1,4-Dioxane	< 44.7	ug/Kg		7/23/2019 17:02
2-Butanone	< 22.4	ug/Kg		7/23/2019 17:02
2-Hexanone	< 11.2	ug/Kg		7/23/2019 17:02
4-Methyl-2-pentanone	< 11.2	ug/Kg		7/23/2019 17:02
Acetone	< 22.4	ug/Kg		7/23/2019 17:02
Benzene	< 4.47	ug/Kg		7/23/2019 17:02
Bromochloromethane	< 11.2	ug/Kg		7/23/2019 17:02

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-20			
Lab Sample ID:	193386-20		Date Sampled:	7/18/2019
Matrix:	Soil		Date Received:	7/19/2019
Bromodichloromethane	< 4.47	ug/Kg		7/23/2019 17:02
Bromoform	< 11.2	ug/Kg		7/23/2019 17:02
Bromomethane	< 4.47	ug/Kg		7/23/2019 17:02
Carbon disulfide	< 4.47	ug/Kg		7/23/2019 17:02
Carbon Tetrachloride	< 4.47	ug/Kg		7/23/2019 17:02
Chlorobenzene	< 4.47	ug/Kg		7/23/2019 17:02
Chloroethane	< 4.47	ug/Kg		7/23/2019 17:02
Chloroform	< 4.47	ug/Kg		7/23/2019 17:02
Chloromethane	< 4.47	ug/Kg		7/23/2019 17:02
cis-1,2-Dichloroethene	< 4.47	ug/Kg		7/23/2019 17:02
cis-1,3-Dichloropropene	< 4.47	ug/Kg		7/23/2019 17:02
Cyclohexane	< 22.4	ug/Kg		7/23/2019 17:02
Dibromochloromethane	< 4.47	ug/Kg		7/23/2019 17:02
Dichlorodifluoromethane	< 4.47	ug/Kg		7/23/2019 17:02
Ethylbenzene	< 4.47	ug/Kg		7/23/2019 17:02
Freon 113	< 4.47	ug/Kg		7/23/2019 17:02
Isopropylbenzene	< 4.47	ug/Kg		7/23/2019 17:02
m,p-Xylene	< 4.47	ug/Kg		7/23/2019 17:02
Methyl acetate	< 4.47	ug/Kg		7/23/2019 17:02
Methyl tert-butyl Ether	< 4.47	ug/Kg		7/23/2019 17:02
Methylcyclohexane	< 4.47	ug/Kg		7/23/2019 17:02
Methylene chloride	< 11.2	ug/Kg		7/23/2019 17:02
Naphthalene	< 11.2	ug/Kg		7/23/2019 17:02
n-Butylbenzene	< 4.47	ug/Kg		7/23/2019 17:02
n-Propylbenzene	< 4.47	ug/Kg		7/23/2019 17:02

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Report Prepared Friday, July 26, 2019



Lab Project ID: 193386

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-20

Lab Sample ID: 193386-20

Date Sampled: 7/18/2019

Matrix: Soil

Date Received: 7/19/2019

o-Xylene	< 4.47	ug/Kg	7/23/2019	17:02
p-Isopropyltoluene	< 4.47	ug/Kg	7/23/2019	17:02
sec-Butylbenzene	< 4.47	ug/Kg	7/23/2019	17:02
Styrene	< 11.2	ug/Kg	7/23/2019	17:02
tert-Butylbenzene	< 4.47	ug/Kg	7/23/2019	17:02
Tetrachloroethene	< 4.47	ug/Kg	7/23/2019	17:02
Toluene	< 4.47	ug/Kg	7/23/2019	17:02
trans-1,2-Dichloroethene	< 4.47	ug/Kg	7/23/2019	17:02
trans-1,3-Dichloropropene	< 4.47	ug/Kg	7/23/2019	17:02
Trichloroethene	< 4.47	ug/Kg	7/23/2019	17:02
Trichlorofluoromethane	< 4.47	ug/Kg	7/23/2019	17:02
Vinyl chloride	< 4.47	ug/Kg	7/23/2019	17:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	103	71 - 141		7/23/2019 17:02
4-Bromofluorobenzene	88.6	60.2 - 128		7/23/2019 17:02
Pentafluorobenzene	99.7	86.6 - 111		7/23/2019 17:02
Toluene-D8	93.5	77.5 - 115		7/23/2019 17:02

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x62856.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 26, 2019



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

CHAIN OF CUSTODY

1 of 3



REPORT TO:

INVOICE TO:

CLIENT: <i>Env</i>	CLIENT:	LAB PROJECT ID
ADDRESS:	ADDRESS:	193386
CITY:	CITY:	Quotation #:
STATE:	STATE:	
ZIP:	ZIP:	
PHONE:	PHONE:	
ATTN:	ATTN:	

PROJECT REFERENCE: *101-113 Franklin St*

Matrix Codes: *Re & Monitor*

Matrix Codes:
 AQ - Aqueous Liquid
 NA - Non-Aqueous Liquid
 WA - Water
 WG - Groundwater
 DW - Drinking Water
 WW - Wastewater
 SO - Soil
 SL - Sludge
 SD - Solid
 PT - Paint
 WP - Wipe
 CK - Caulk
 OL - Oil
 AR - Air

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MCADRES	NUMBERS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/17/19		X		SS-1		2	TCL, CB, SV, VOL		01
7/17/19		X		SS-2		2	SUOC, RAC		02
7/17/19		X		SS-3		2	TAL Metals		03
7/17/19		X		SS-4		1	Re: BS (fwd)		04
7/17/19		X		SS-5		1			05
7/17/19		X		SS-6		1			06
7/17/19		X		SS-7		2			07
7/17/19		X		SS-8		1			08
7/18/19		X		SS-9		2			09
7/18/19		X		SS-10		2			10

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input checked="" type="checkbox"/>	None Required <input type="checkbox"/>
10 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input checked="" type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Date Needed _____	Other EDD <input type="checkbox"/>
please indicate date needed:	please indicate EDD needed:

Sampled By: *Lynn Zivni* Date/Time: *7/18/19*

Relinquished By: *John Seaman* Date/Time: *7/18/19*

Received By: *Michelle Baird* Date/Time: *7/18/19 17:49*

Received @ Lab By: *[Signature]* Date/Time: *7/19/19 08:37*

Total Cost:

P.L.F.

Custody Seal N/A. Samples delivered by client. GP 7/18/19.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

CHAIN OF CUSTODY

2093



REPORT TO:

INVOICE TO:

LAB PROJECT ID

CLIENT: RMI	CLIENT:	LAB PROJECT ID
ADDRESS:	ADDRESS:	193386
CITY:	CITY:	Quotation #:
STATE:	STATE:	Email: zzeccar@rmi.org, cm pmorton@rmi.org, cm
ZIP:	ZIP:	
PHONE:	PHONE:	
ATTN: Peke Morton	ATTN:	
PROJECT REFERENCE: 101-113 Franklin St	MATRIX CODES: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid WA - Water WG - Groundwater DW - Drinking Water WW - Wastewater SO - Soil SL - Sludge SD - Solid PT - Paint WP - Wipe CK - Caulk OL - Oil AR - Air	

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MACTDRES	NONNUMBERS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/18/19		X		SS-11		2	VOC TELR SVOC TELR METALS total PCBs		11
				SS-12		2			12
				SS-13		2			13
				SS-14		1			14
				SS-15		1			15
				SS-16		2			16
				SS-17		2			17
				SS-18		2			18
				SS-19		2			19
				SS-20		2			20

Turnaround Time Availability contingent upon lab approval; additional fees may apply.

Report Supplements

Standard 5 day <input checked="" type="checkbox"/>	None Required <input type="checkbox"/>	None Required <input type="checkbox"/>
10 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>	Basic EDD <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>	NYSDEC EDD <input checked="" type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input checked="" type="checkbox"/>	Other EDD <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Sampled By: **Yann Zeccar** Date/Time: **7/18/19** Total Cost:

Relinquished By: **Yann Zeccar** Date/Time: **7/18/19**

Received By: **Michael D. Zeccar** Date/Time: **7/18/19 1749**

Received @ Lab By: **Yann Zeccar** Date/Time: **7/19/19 08:37** P.L.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse). See additional page for sample conditions.



Chain of Custody Supplement

Client: Ravi Completed by: Glenn Pezzulo
 Lab Project ID: 193386 Date: 7/19/19

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> metals
Comments	<u>6°C iced 7/18/19 17:50</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



Lab Project ID: 193389

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-1 - Microwell-1

Lab Sample ID: 193389-01

Date Sampled: 7/19/2019

Matrix: Groundwater

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		7/19/2019 16:17
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		7/19/2019 16:17
1,1,2-Trichloroethane	< 2.00	ug/L		7/19/2019 16:17
1,1-Dichloroethane	< 2.00	ug/L		7/19/2019 16:17
1,1-Dichloroethene	< 2.00	ug/L		7/19/2019 16:17
1,2,3-Trichlorobenzene	< 5.00	ug/L		7/19/2019 16:17
1,2,4-Trichlorobenzene	< 5.00	ug/L		7/19/2019 16:17
1,2,4-Trimethylbenzene	< 2.00	ug/L		7/19/2019 16:17
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		7/19/2019 16:17
1,2-Dibromoethane	< 2.00	ug/L		7/19/2019 16:17
1,2-Dichlorobenzene	< 2.00	ug/L		7/19/2019 16:17
1,2-Dichloroethane	< 2.00	ug/L		7/19/2019 16:17
1,2-Dichloropropane	< 2.00	ug/L		7/19/2019 16:17
1,3,5-Trimethylbenzene	< 2.00	ug/L		7/19/2019 16:17
1,3-Dichlorobenzene	< 2.00	ug/L		7/19/2019 16:17
1,4-Dichlorobenzene	< 2.00	ug/L		7/19/2019 16:17
1,4-Dioxane	< 20.0	ug/L		7/19/2019 16:17
2-Butanone	< 10.0	ug/L		7/19/2019 16:17
2-Hexanone	< 5.00	ug/L		7/19/2019 16:17
4-Methyl-2-pentanone	< 5.00	ug/L		7/19/2019 16:17
Acetone	7.64	ug/L	J	7/19/2019 16:17
Benzene	< 1.00	ug/L		7/19/2019 16:17
Bromochloromethane	< 5.00	ug/L		7/19/2019 16:17
Bromodichloromethane	< 2.00	ug/L		7/19/2019 16:17
Bromoform	< 5.00	ug/L		7/19/2019 16:17
Bromomethane	< 2.00	ug/L		7/19/2019 16:17
Carbon disulfide	< 2.00	ug/L		7/19/2019 16:17

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Lab Project ID: 193389

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-1 - Microwell-1		
Lab Sample ID:	193389-01	Date Sampled:	7/19/2019
Matrix:	Groundwater	Date Received:	7/19/2019

Carbon Tetrachloride	< 2.00	ug/L	7/19/2019 16:17
Chlorobenzene	< 2.00	ug/L	7/19/2019 16:17
Chloroethane	< 2.00	ug/L	7/19/2019 16:17
Chloroform	< 2.00	ug/L	7/19/2019 16:17
Chloromethane	< 2.00	ug/L	7/19/2019 16:17
cis-1,2-Dichloroethene	< 2.00	ug/L	7/19/2019 16:17
cis-1,3-Dichloropropene	< 2.00	ug/L	7/19/2019 16:17
Cyclohexane	< 10.0	ug/L	7/19/2019 16:17
Dibromochloromethane	< 2.00	ug/L	7/19/2019 16:17
Dichlorodifluoromethane	< 2.00	ug/L	7/19/2019 16:17
Ethylbenzene	< 2.00	ug/L	7/19/2019 16:17
Freon 113	< 2.00	ug/L	7/19/2019 16:17
Isopropylbenzene	< 2.00	ug/L	7/19/2019 16:17
m,p-Xylene	< 2.00	ug/L	7/19/2019 16:17
Methyl acetate	< 2.00	ug/L	7/19/2019 16:17
Methyl tert-butyl Ether	< 2.00	ug/L	7/19/2019 16:17
Methylcyclohexane	< 2.00	ug/L	7/19/2019 16:17
Methylene chloride	< 5.00	ug/L	7/19/2019 16:17
Naphthalene	< 5.00	ug/L	7/19/2019 16:17
n-Butylbenzene	< 2.00	ug/L	7/19/2019 16:17
n-Propylbenzene	< 2.00	ug/L	7/19/2019 16:17
o-Xylene	< 2.00	ug/L	7/19/2019 16:17
p-Isopropyltoluene	< 2.00	ug/L	7/19/2019 16:17
sec-Butylbenzene	< 2.00	ug/L	7/19/2019 16:17
Styrene	< 5.00	ug/L	7/19/2019 16:17
tert-Butylbenzene	< 2.00	ug/L	7/19/2019 16:17
Tetrachloroethene	< 2.00	ug/L	7/19/2019 16:17
Toluene	< 2.00	ug/L	7/19/2019 16:17
trans-1,2-Dichloroethene	< 2.00	ug/L	7/19/2019 16:17
trans-1,3-Dichloropropene	< 2.00	ug/L	7/19/2019 16:17

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Lab Project ID: 193389

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-1 - Microwell-1

Lab Sample ID: 193389-01

Date Sampled: 7/19/2019

Matrix: Groundwater

Date Received: 7/19/2019

Trichloroethene	< 2.00	ug/L		7/19/2019	16:17
Trichlorofluoromethane	< 2.00	ug/L		7/19/2019	16:17
Vinyl chloride	< 2.00	ug/L		7/19/2019	16:17

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	110	73.4 - 131		7/19/2019	16:17
4-Bromofluorobenzene	92.1	57.2 - 129		7/19/2019	16:17
Pentafluorobenzene	94.2	87 - 112		7/19/2019	16:17
Toluene-D8	95.6	78.3 - 115		7/19/2019	16:17

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x62756.D

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Report Prepared Wednesday, July 24, 2019



Lab Project ID: 193389

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-4 - Microwell-4

Lab Sample ID: 193389-02

Date Sampled: 7/19/2019

Matrix: Groundwater

Date Received: 7/19/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		7/19/2019 16:40
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		7/19/2019 16:40
1,1,2-Trichloroethane	< 2.00	ug/L		7/19/2019 16:40
1,1-Dichloroethane	< 2.00	ug/L		7/19/2019 16:40
1,1-Dichloroethene	< 2.00	ug/L		7/19/2019 16:40
1,2,3-Trichlorobenzene	< 5.00	ug/L		7/19/2019 16:40
1,2,4-Trichlorobenzene	< 5.00	ug/L		7/19/2019 16:40
1,2,4-Trimethylbenzene	< 2.00	ug/L		7/19/2019 16:40
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		7/19/2019 16:40
1,2-Dibromoethane	< 2.00	ug/L		7/19/2019 16:40
1,2-Dichlorobenzene	< 2.00	ug/L		7/19/2019 16:40
1,2-Dichloroethane	< 2.00	ug/L		7/19/2019 16:40
1,2-Dichloropropane	< 2.00	ug/L		7/19/2019 16:40
1,3,5-Trimethylbenzene	< 2.00	ug/L		7/19/2019 16:40
1,3-Dichlorobenzene	< 2.00	ug/L		7/19/2019 16:40
1,4-Dichlorobenzene	< 2.00	ug/L		7/19/2019 16:40
1,4-Dioxane	< 20.0	ug/L		7/19/2019 16:40
2-Butanone	< 10.0	ug/L		7/19/2019 16:40
2-Hexanone	< 5.00	ug/L		7/19/2019 16:40
4-Methyl-2-pentanone	< 5.00	ug/L		7/19/2019 16:40
Acetone	< 10.0	ug/L		7/19/2019 16:40
Benzene	< 1.00	ug/L		7/19/2019 16:40
Bromochloromethane	< 5.00	ug/L		7/19/2019 16:40
Bromodichloromethane	< 2.00	ug/L		7/19/2019 16:40
Bromoform	< 5.00	ug/L		7/19/2019 16:40
Bromomethane	< 2.00	ug/L		7/19/2019 16:40
Carbon disulfide	< 2.00	ug/L		7/19/2019 16:40

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 193389

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-4 - Microwell-4

Lab Sample ID: 193389-02

Date Sampled: 7/19/2019

Matrix: Groundwater

Date Received: 7/19/2019

Carbon Tetrachloride	< 2.00	ug/L	7/19/2019	16:40
Chlorobenzene	< 2.00	ug/L	7/19/2019	16:40
Chloroethane	< 2.00	ug/L	7/19/2019	16:40
Chloroform	< 2.00	ug/L	7/19/2019	16:40
Chloromethane	< 2.00	ug/L	7/19/2019	16:40
cis-1,2-Dichloroethene	< 2.00	ug/L	7/19/2019	16:40
cis-1,3-Dichloropropene	< 2.00	ug/L	7/19/2019	16:40
Cyclohexane	< 10.0	ug/L	7/19/2019	16:40
Dibromochloromethane	< 2.00	ug/L	7/19/2019	16:40
Dichlorodifluoromethane	< 2.00	ug/L	7/19/2019	16:40
Ethylbenzene	< 2.00	ug/L	7/19/2019	16:40
Freon 113	< 2.00	ug/L	7/19/2019	16:40
Isopropylbenzene	< 2.00	ug/L	7/19/2019	16:40
m,p-Xylene	< 2.00	ug/L	7/19/2019	16:40
Methyl acetate	< 2.00	ug/L	7/19/2019	16:40
Methyl tert-butyl Ether	< 2.00	ug/L	7/19/2019	16:40
Methylcyclohexane	< 2.00	ug/L	7/19/2019	16:40
Methylene chloride	< 5.00	ug/L	7/19/2019	16:40
Naphthalene	< 5.00	ug/L	7/19/2019	16:40
n-Butylbenzene	< 2.00	ug/L	7/19/2019	16:40
n-Propylbenzene	< 2.00	ug/L	7/19/2019	16:40
o-Xylene	< 2.00	ug/L	7/19/2019	16:40
p-Isopropyltoluene	< 2.00	ug/L	7/19/2019	16:40
sec-Butylbenzene	< 2.00	ug/L	7/19/2019	16:40
Styrene	< 5.00	ug/L	7/19/2019	16:40
tert-Butylbenzene	< 2.00	ug/L	7/19/2019	16:40
Tetrachloroethene	< 2.00	ug/L	7/19/2019	16:40
Toluene	< 2.00	ug/L	7/19/2019	16:40
trans-1,2-Dichloroethene	< 2.00	ug/L	7/19/2019	16:40
trans-1,3-Dichloropropene	< 2.00	ug/L	7/19/2019	16:40

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, July 24, 2019



Lab Project ID: 193389

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-4 - Microwell-4

Lab Sample ID: 193389-02

Date Sampled: 7/19/2019

Matrix: Groundwater

Date Received: 7/19/2019

Trichloroethene	< 2.00	ug/L		7/19/2019	16:40
Trichlorofluoromethane	< 2.00	ug/L		7/19/2019	16:40
Vinyl chloride	< 2.00	ug/L		7/19/2019	16:40

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	104	73.4 - 131		7/19/2019	16:40
4-Bromofluorobenzene	86.4	57.2 - 129		7/19/2019	16:40
Pentafluorobenzene	93.9	87 - 112		7/19/2019	16:40
Toluene-D8	97.4	78.3 - 115		7/19/2019	16:40

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x62757.D

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Report Prepared Wednesday, July 24, 2019



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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CHAIN OF CUSTODY

1 of 2



REPORT TO:			INVOICE TO:		
CLIENT:	ADDRESS:	CITY:	STATE:	ZIP:	LAB PROJECT ID
CLIENT:	ADDRESS:	CITY:	STATE:	ZIP:	193389
PHONE:	Quotation #:			Email: lzechai@paradigm.com	
ATTN: Pete Menton	ATTN:			pmenton@paradigm.com	

PROJECT REFERENCE	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MATERIALS	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
101-113 Franklin St	7/19/19	500	X		MW-1	WA - Water WG - Groundwater	DW - Drinking Water MW - Wastewater	SO - Soil SL - Sludge	SD - Solid PT - Paint WP - Wipe CK - Caulk	OL - Oil AR - Air
	↓	730	X		MW-4					02

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day	<input checked="" type="checkbox"/> None Required
10 day	<input type="checkbox"/> Batch QC
Rush 3 day	<input type="checkbox"/> Category A
Rush 2 day	<input type="checkbox"/> Category B
Rush 1 day	<input type="checkbox"/> Other
Date Needed _____	Other EDD _____
please indicate date needed: _____	

Sampled By	Lynn Zeiser	Date/Time	7/19/19	Total Cost:	
Relinquished By	Jennifer Zeiser	Date/Time	7/19/19 9:00		
Received By	JP	Date/Time	7/19/19 9:11		
Received @ Lab By		Date/Time			

S³ Cited 7/19/19 09:10. Custody Seal N/A. Samples delivered by client, 6/7/19/19



Chain of Custody Supplement

Client: Ravi
Lab Project ID: 193389

Completed by: Glenn Pezzulo
Date: 7/19/19

Sample Condition Requirements
Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____ _____		
Preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>5°C rec'd 7/19/19 09:10</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00836	mg/Kg		7/29/2019 12:08

Method Reference(s): EPA 7471B

Preparation Date: 7/29/2019

Data File: Hg190729A

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	4720	mg/Kg		7/31/2019 12:21
Antimony	< 3.50	mg/Kg		7/30/2019 00:16
Arsenic	1.40	mg/Kg		7/31/2019 23:44
Barium	44.5	mg/Kg		7/30/2019 00:16
Beryllium	0.251	mg/Kg	J	7/30/2019 00:16
Cadmium	0.365	mg/Kg		7/30/2019 00:16
Calcium	52300	mg/Kg		7/31/2019 12:26
Chromium	9.73	mg/Kg		7/30/2019 00:16
Cobalt	3.95	mg/Kg		7/30/2019 00:16
Copper	9.58	mg/Kg		7/30/2019 00:16
Iron	9700	mg/Kg		7/31/2019 12:21
Lead	2.45	mg/Kg		7/30/2019 00:16
Magnesium	12500	mg/Kg		7/30/2019 00:16
Manganese	398	mg/Kg		7/31/2019 23:44
Nickel	7.24	mg/Kg		7/30/2019 00:16
Potassium	1200	mg/Kg		7/31/2019 12:21
Selenium	0.870	mg/Kg	J	7/31/2019 23:44
Silver	< 0.584	mg/Kg		7/30/2019 00:16
Sodium	174	mg/Kg		7/31/2019 12:21
Thallium	1.39	mg/Kg	J	7/30/2019 00:16
Vanadium	11.3	mg/Kg		7/30/2019 00:16
Zinc	24.1	mg/Kg		7/30/2019 00:16

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Matrix: Soil

Date Sampled: 7/24/2019

Date Received: 7/25/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/26/2019

Data File: 190731B

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 333	ug/Kg		7/31/2019 18:09
1,2,4,5-Tetrachlorobenzene	< 333	ug/Kg		7/31/2019 18:09
1,2,4-Trichlorobenzene	< 333	ug/Kg		7/31/2019 18:09
1,2-Dichlorobenzene	< 333	ug/Kg		7/31/2019 18:09
1,3-Dichlorobenzene	< 333	ug/Kg		7/31/2019 18:09
1,4-Dichlorobenzene	< 333	ug/Kg		7/31/2019 18:09
2,2-Oxybis (1-chloropropane)	< 333	ug/Kg		7/31/2019 18:09
2,3,4,6-Tetrachlorophenol	< 333	ug/Kg		7/31/2019 18:09
2,4,5-Trichlorophenol	< 333	ug/Kg		7/31/2019 18:09
2,4,6-Trichlorophenol	< 333	ug/Kg		7/31/2019 18:09
2,4-Dichlorophenol	< 333	ug/Kg		7/31/2019 18:09
2,4-Dimethylphenol	< 333	ug/Kg		7/31/2019 18:09
2,4-Dinitrophenol	< 1330	ug/Kg		7/31/2019 18:09
2,4-Dinitrotoluene	< 333	ug/Kg		7/31/2019 18:09
2,6-Dinitrotoluene	< 333	ug/Kg		7/31/2019 18:09
2-Chloronaphthalene	< 333	ug/Kg		7/31/2019 18:09
2-Chlorophenol	< 333	ug/Kg		7/31/2019 18:09
2-Methylnaphthalene	< 333	ug/Kg		7/31/2019 18:09
2-Methylphenol	< 333	ug/Kg		7/31/2019 18:09
2-Nitroaniline	< 333	ug/Kg		7/31/2019 18:09
2-Nitrophenol	< 333	ug/Kg		7/31/2019 18:09
3&4-Methylphenol	< 333	ug/Kg		7/31/2019 18:09
3,3'-Dichlorobenzidine	< 333	ug/Kg		7/31/2019 18:09

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-22, D-1			
Lab Sample ID:	193526-01		Date Sampled:	7/24/2019
Matrix:	Soil		Date Received:	7/25/2019
3-Nitroaniline	< 333	ug/Kg	7/31/2019	18:09
4,6-Dinitro-2-methylphenol	< 666	ug/Kg	7/31/2019	18:09
4-Bromophenyl phenyl ether	< 333	ug/Kg	7/31/2019	18:09
4-Chloro-3-methylphenol	< 333	ug/Kg	7/31/2019	18:09
4-Chloroaniline	< 333	ug/Kg	7/31/2019	18:09
4-Chlorophenyl phenyl ether	< 333	ug/Kg	7/31/2019	18:09
4-Nitroaniline	< 333	ug/Kg	7/31/2019	18:09
4-Nitrophenol	< 333	ug/Kg	7/31/2019	18:09
Acenaphthene	< 333	ug/Kg	7/31/2019	18:09
Acenaphthylene	< 333	ug/Kg	7/31/2019	18:09
Acetophenone	< 333	ug/Kg	7/31/2019	18:09
Anthracene	< 333	ug/Kg	7/31/2019	18:09
Atrazine	< 333	ug/Kg	7/31/2019	18:09
Benzaldehyde	< 333	ug/Kg	7/31/2019	18:09
Benzo (a) anthracene	< 333	ug/Kg	7/31/2019	18:09
Benzo (a) pyrene	< 333	ug/Kg	7/31/2019	18:09
Benzo (b) fluoranthene	< 333	ug/Kg	7/31/2019	18:09
Benzo (g,h,i) perylene	< 333	ug/Kg	7/31/2019	18:09
Benzo (k) fluoranthene	< 333	ug/Kg	7/31/2019	18:09
Bis (2-chloroethoxy) methane	< 333	ug/Kg	7/31/2019	18:09
Bis (2-chloroethyl) ether	< 333	ug/Kg	7/31/2019	18:09
Bis (2-ethylhexyl) phthalate	< 333	ug/Kg	7/31/2019	18:09
Butylbenzylphthalate	< 333	ug/Kg	7/31/2019	18:09
Caprolactam	< 333	ug/Kg	7/31/2019	18:09
Carbazole	< 333	ug/Kg	7/31/2019	18:09

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Chrysene	< 333	ug/Kg	7/31/2019 18:09
Dibenz (a,h) anthracene	< 333	ug/Kg	7/31/2019 18:09
Dibenzofuran	< 333	ug/Kg	7/31/2019 18:09
Diethyl phthalate	< 333	ug/Kg	7/31/2019 18:09
Dimethyl phthalate	< 333	ug/Kg	7/31/2019 18:09
Di-n-butyl phthalate	< 333	ug/Kg	7/31/2019 18:09
Di-n-octylphthalate	< 333	ug/Kg	7/31/2019 18:09
Fluoranthene	< 333	ug/Kg	7/31/2019 18:09
Fluorene	< 333	ug/Kg	7/31/2019 18:09
Hexachlorobenzene	< 333	ug/Kg	7/31/2019 18:09
Hexachlorobutadiene	< 333	ug/Kg	7/31/2019 18:09
Hexachlorocyclopentadiene	< 1330	ug/Kg	7/31/2019 18:09
Hexachloroethane	< 333	ug/Kg	7/31/2019 18:09
Indeno (1,2,3-cd) pyrene	< 333	ug/Kg	7/31/2019 18:09
Isophorone	< 333	ug/Kg	7/31/2019 18:09
Naphthalene	< 333	ug/Kg	7/31/2019 18:09
Nitrobenzene	< 333	ug/Kg	7/31/2019 18:09
N-Nitroso-di-n-propylamine	< 333	ug/Kg	7/31/2019 18:09
N-Nitrosodiphenylamine	< 333	ug/Kg	7/31/2019 18:09
Pentachlorophenol	< 666	ug/Kg	7/31/2019 18:09
Phenanthrene	< 333	ug/Kg	7/31/2019 18:09
Phenol	< 333	ug/Kg	7/31/2019 18:09
Pyrene	< 333	ug/Kg	7/31/2019 18:09

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	69.7	34.9 - 92.6		7/31/2019	18:09
2-Fluorobiphenyl	73.1	39 - 77.6		7/31/2019	18:09
2-Fluorophenol	77.7	39.1 - 76.8	*	7/31/2019	18:09
Nitrobenzene-d5	64.4	35.4 - 75.3		7/31/2019	18:09
Phenol-d5	77.9	40.4 - 77.7	*	7/31/2019	18:09
Terphenyl-d14	83.0	42 - 93.5		7/31/2019	18:09

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/29/2019

Data File: B39478.D

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.76	ug/Kg		8/2/2019 13:38
1,1,2,2-Tetrachloroethane	< 4.76	ug/Kg		8/2/2019 13:38
1,1,2-Trichloroethane	< 4.76	ug/Kg		8/2/2019 13:38
1,1-Dichloroethane	< 4.76	ug/Kg		8/2/2019 13:38
1,1-Dichloroethene	< 4.76	ug/Kg		8/2/2019 13:38
1,2,3-Trichlorobenzene	< 11.9	ug/Kg		8/2/2019 13:38
1,2,4-Trichlorobenzene	< 11.9	ug/Kg		8/2/2019 13:38
1,2,4-Trimethylbenzene	< 4.76	ug/Kg		8/2/2019 13:38
1,2-Dibromo-3-Chloropropane	< 23.8	ug/Kg		8/2/2019 13:38
1,2-Dibromoethane	< 4.76	ug/Kg		8/2/2019 13:38
1,2-Dichlorobenzene	< 4.76	ug/Kg		8/2/2019 13:38
1,2-Dichloroethane	< 4.76	ug/Kg		8/2/2019 13:38
1,2-Dichloropropane	< 4.76	ug/Kg		8/2/2019 13:38
1,3,5-Trimethylbenzene	< 4.76	ug/Kg		8/2/2019 13:38
1,3-Dichlorobenzene	< 4.76	ug/Kg		8/2/2019 13:38
1,4-Dichlorobenzene	< 4.76	ug/Kg		8/2/2019 13:38
1,4-Dioxane	< 47.6	ug/Kg		8/2/2019 13:38
2-Butanone	< 23.8	ug/Kg		8/2/2019 13:38
2-Hexanone	< 11.9	ug/Kg		8/2/2019 13:38
4-Methyl-2-pentanone	< 11.9	ug/Kg		8/2/2019 13:38
Acetone	< 23.8	ug/Kg		8/2/2019 13:38
Benzene	< 4.76	ug/Kg		8/2/2019 13:38
Bromochloromethane	< 11.9	ug/Kg		8/2/2019 13:38

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Bromodichloromethane	< 4.76	ug/Kg		8/2/2019 13:38
Bromoform	< 11.9	ug/Kg	L	8/2/2019 13:38
Bromomethane	< 4.76	ug/Kg		8/2/2019 13:38
Carbon disulfide	< 4.76	ug/Kg		8/2/2019 13:38
Carbon Tetrachloride	< 4.76	ug/Kg		8/2/2019 13:38
Chlorobenzene	< 4.76	ug/Kg		8/2/2019 13:38
Chloroethane	< 4.76	ug/Kg	L	8/2/2019 13:38
Chloroform	< 4.76	ug/Kg		8/2/2019 13:38
Chloromethane	< 4.76	ug/Kg		8/2/2019 13:38
cis-1,2-Dichloroethene	< 4.76	ug/Kg		8/2/2019 13:38
cis-1,3-Dichloropropene	< 4.76	ug/Kg		8/2/2019 13:38
Cyclohexane	< 23.8	ug/Kg		8/2/2019 13:38
Dibromochloromethane	< 4.76	ug/Kg		8/2/2019 13:38
Dichlorodifluoromethane	< 4.76	ug/Kg		8/2/2019 13:38
Ethylbenzene	< 4.76	ug/Kg		8/2/2019 13:38
Freon 113	< 4.76	ug/Kg		8/2/2019 13:38
Isopropylbenzene	< 4.76	ug/Kg		8/2/2019 13:38
m,p-Xylene	< 4.76	ug/Kg		8/2/2019 13:38
Methyl acetate	< 4.76	ug/Kg		8/2/2019 13:38
Methyl tert-butyl Ether	< 4.76	ug/Kg		8/2/2019 13:38
Methylcyclohexane	< 4.76	ug/Kg		8/2/2019 13:38
Methylene chloride	< 11.9	ug/Kg		8/2/2019 13:38
Naphthalene	< 11.9	ug/Kg		8/2/2019 13:38
n-Butylbenzene	< 4.76	ug/Kg		8/2/2019 13:38
n-Propylbenzene	< 4.76	ug/Kg		8/2/2019 13:38

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-22, D-1

Lab Sample ID: 193526-01

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

o-Xylene	< 4.76	ug/Kg	8/2/2019	13:38
p-Isopropyltoluene	< 4.76	ug/Kg	8/2/2019	13:38
sec-Butylbenzene	< 4.76	ug/Kg	8/2/2019	13:38
Styrene	< 11.9	ug/Kg	8/2/2019	13:38
tert-Butylbenzene	< 4.76	ug/Kg	8/2/2019	13:38
Tetrachloroethene	< 4.76	ug/Kg	8/2/2019	13:38
Toluene	< 4.76	ug/Kg	8/2/2019	13:38
trans-1,2-Dichloroethene	< 4.76	ug/Kg	8/2/2019	13:38
trans-1,3-Dichloropropene	< 4.76	ug/Kg	8/2/2019	13:38
Trichloroethene	< 4.76	ug/Kg	8/2/2019	13:38
Trichlorofluoromethane	< 4.76	ug/Kg	8/2/2019	13:38
Vinyl chloride	< 4.76	ug/Kg	8/2/2019	13:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	78.4	71 - 141		8/2/2019 13:38
4-Bromofluorobenzene	79.7	60.2 - 128		8/2/2019 13:38
Pentafluorobenzene	103	86.6 - 111		8/2/2019 13:38
Toluene-D8	93.2	77.5 - 115		8/2/2019 13:38

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x63228.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00895	mg/Kg		7/29/2019 12:10

Method Reference(s): EPA 7471B

Preparation Date: 7/29/2019

Data File: Hg190729A

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	3550	mg/Kg		7/31/2019 12:30
Antimony	< 3.52	mg/Kg		7/30/2019 00:20
Arsenic	0.722	mg/Kg		7/31/2019 23:49
Barium	16.9	mg/Kg		7/30/2019 00:20
Beryllium	0.177	mg/Kg	J	7/30/2019 00:20
Cadmium	0.180	mg/Kg	J	7/30/2019 00:20
Calcium	26100	mg/Kg		7/30/2019 00:20
Chromium	4.99	mg/Kg		7/30/2019 00:20
Cobalt	2.73	mg/Kg	J	7/30/2019 00:20
Copper	5.64	mg/Kg		7/30/2019 00:20
Iron	8310	mg/Kg		7/31/2019 12:30
Lead	< 0.587	mg/Kg		7/30/2019 00:20
Magnesium	11000	mg/Kg		7/30/2019 00:20
Manganese	289	mg/Kg		7/31/2019 23:49
Nickel	5.81	mg/Kg		7/30/2019 00:20
Potassium	517	mg/Kg		7/31/2019 12:30
Selenium	< 1.17	mg/Kg		7/30/2019 00:20
Silver	< 0.587	mg/Kg		7/30/2019 00:20
Sodium	121	mg/Kg	J	7/31/2019 12:30
Thallium	< 1.47	mg/Kg		7/30/2019 00:20
Vanadium	9.47	mg/Kg		7/30/2019 00:20
Zinc	18.2	mg/Kg		7/30/2019 00:20

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Matrix: Soil

Date Sampled: 7/24/2019

Date Received: 7/25/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/26/2019

Data File: 190731B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 341	ug/Kg		8/1/2019 22:11
1,2,4,5-Tetrachlorobenzene	< 341	ug/Kg		8/1/2019 22:11
1,2,4-Trichlorobenzene	< 341	ug/Kg		8/1/2019 22:11
1,2-Dichlorobenzene	< 341	ug/Kg		8/1/2019 22:11
1,3-Dichlorobenzene	< 341	ug/Kg		8/1/2019 22:11
1,4-Dichlorobenzene	< 341	ug/Kg		8/1/2019 22:11
2,2-Oxybis (1-chloropropane)	< 341	ug/Kg		8/1/2019 22:11
2,3,4,6-Tetrachlorophenol	< 341	ug/Kg		8/1/2019 22:11
2,4,5-Trichlorophenol	< 341	ug/Kg		8/1/2019 22:11
2,4,6-Trichlorophenol	< 341	ug/Kg		8/1/2019 22:11
2,4-Dichlorophenol	< 341	ug/Kg		8/1/2019 22:11
2,4-Dimethylphenol	< 341	ug/Kg		8/1/2019 22:11
2,4-Dinitrophenol	< 1360	ug/Kg		8/1/2019 22:11
2,4-Dinitrotoluene	< 341	ug/Kg		8/1/2019 22:11
2,6-Dinitrotoluene	< 341	ug/Kg		8/1/2019 22:11
2-Chloronaphthalene	< 341	ug/Kg		8/1/2019 22:11
2-Chlorophenol	< 341	ug/Kg		8/1/2019 22:11
2-Methylnaphthalene	< 341	ug/Kg		8/1/2019 22:11
2-Methylphenol	< 341	ug/Kg		8/1/2019 22:11
2-Nitroaniline	< 341	ug/Kg		8/1/2019 22:11
2-Nitrophenol	< 341	ug/Kg		8/1/2019 22:11
3&4-Methylphenol	< 341	ug/Kg		8/1/2019 22:11
3,3'-Dichlorobenzidine	< 341	ug/Kg		8/1/2019 22:11

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

3-Nitroaniline	< 341	ug/Kg	8/1/2019 22:11
4,6-Dinitro-2-methylphenol	< 681	ug/Kg	8/1/2019 22:11
4-Bromophenyl phenyl ether	< 341	ug/Kg	8/1/2019 22:11
4-Chloro-3-methylphenol	< 341	ug/Kg	8/1/2019 22:11
4-Chloroaniline	< 341	ug/Kg	8/1/2019 22:11
4-Chlorophenyl phenyl ether	< 341	ug/Kg	8/1/2019 22:11
4-Nitroaniline	< 341	ug/Kg	8/1/2019 22:11
4-Nitrophenol	< 341	ug/Kg	8/1/2019 22:11
Acenaphthene	< 341	ug/Kg	8/1/2019 22:11
Acenaphthylene	< 341	ug/Kg	8/1/2019 22:11
Acetophenone	< 341	ug/Kg	8/1/2019 22:11
Anthracene	< 341	ug/Kg	8/1/2019 22:11
Atrazine	< 341	ug/Kg	8/1/2019 22:11
Benzaldehyde	< 341	ug/Kg	8/1/2019 22:11
Benzo (a) anthracene	< 341	ug/Kg	8/1/2019 22:11
Benzo (a) pyrene	< 341	ug/Kg	8/1/2019 22:11
Benzo (b) fluoranthene	< 341	ug/Kg	8/1/2019 22:11
Benzo (g,h,i) perylene	< 341	ug/Kg	8/1/2019 22:11
Benzo (k) fluoranthene	< 341	ug/Kg	8/1/2019 22:11
Bis (2-chloroethoxy) methane	< 341	ug/Kg	8/1/2019 22:11
Bis (2-chloroethyl) ether	< 341	ug/Kg	8/1/2019 22:11
Bis (2-ethylhexyl) phthalate	< 341	ug/Kg	8/1/2019 22:11
Butylbenzylphthalate	< 341	ug/Kg	8/1/2019 22:11
Caprolactam	< 341	ug/Kg	8/1/2019 22:11
Carbazole	< 341	ug/Kg	8/1/2019 22:11

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Chrysene	< 341	ug/Kg	8/1/2019 22:11
Dibenz (a,h) anthracene	< 341	ug/Kg	8/1/2019 22:11
Dibenzofuran	< 341	ug/Kg	8/1/2019 22:11
Diethyl phthalate	< 341	ug/Kg	8/1/2019 22:11
Dimethyl phthalate	< 341	ug/Kg	8/1/2019 22:11
Di-n-butyl phthalate	< 341	ug/Kg	8/1/2019 22:11
Di-n-octylphthalate	< 341	ug/Kg	8/1/2019 22:11
Fluoranthene	< 341	ug/Kg	8/1/2019 22:11
Fluorene	< 341	ug/Kg	8/1/2019 22:11
Hexachlorobenzene	< 341	ug/Kg	8/1/2019 22:11
Hexachlorobutadiene	< 341	ug/Kg	8/1/2019 22:11
Hexachlorocyclopentadiene	< 1360	ug/Kg	8/1/2019 22:11
Hexachloroethane	< 341	ug/Kg	8/1/2019 22:11
Indeno (1,2,3-cd) pyrene	< 341	ug/Kg	8/1/2019 22:11
Isophorone	< 341	ug/Kg	8/1/2019 22:11
Naphthalene	< 341	ug/Kg	8/1/2019 22:11
Nitrobenzene	< 341	ug/Kg	8/1/2019 22:11
N-Nitroso-di-n-propylamine	< 341	ug/Kg	8/1/2019 22:11
N-Nitrosodiphenylamine	< 341	ug/Kg	8/1/2019 22:11
Pentachlorophenol	< 681	ug/Kg	8/1/2019 22:11
Phenanthrene	< 341	ug/Kg	8/1/2019 22:11
Phenol	< 341	ug/Kg	8/1/2019 22:11
Pyrene	< 341	ug/Kg	8/1/2019 22:11

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	43.4	34.9 - 92.6		8/1/2019 22:11
2-Fluorobiphenyl	58.9	39 - 77.6		8/1/2019 22:11
2-Fluorophenol	63.9	39.1 - 76.8		8/1/2019 22:11
Nitrobenzene-d5	54.7	35.4 - 75.3		8/1/2019 22:11
Phenol-d5	65.1	40.4 - 77.7		8/1/2019 22:11
Terphenyl-d14	68.7	42 - 93.5		8/1/2019 22:11

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/29/2019

Data File: B39531.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.17	ug/Kg		8/2/2019 14:01
1,1,2,2-Tetrachloroethane	< 4.17	ug/Kg		8/2/2019 14:01
1,1,2-Trichloroethane	< 4.17	ug/Kg		8/2/2019 14:01
1,1-Dichloroethane	< 4.17	ug/Kg		8/2/2019 14:01
1,1-Dichloroethene	< 4.17	ug/Kg		8/2/2019 14:01
1,2,3-Trichlorobenzene	< 10.4	ug/Kg		8/2/2019 14:01
1,2,4-Trichlorobenzene	< 10.4	ug/Kg		8/2/2019 14:01
1,2,4-Trimethylbenzene	< 4.17	ug/Kg		8/2/2019 14:01
1,2-Dibromo-3-Chloropropane	< 20.8	ug/Kg		8/2/2019 14:01
1,2-Dibromoethane	< 4.17	ug/Kg		8/2/2019 14:01
1,2-Dichlorobenzene	< 4.17	ug/Kg		8/2/2019 14:01
1,2-Dichloroethane	< 4.17	ug/Kg		8/2/2019 14:01
1,2-Dichloropropane	< 4.17	ug/Kg		8/2/2019 14:01
1,3,5-Trimethylbenzene	< 4.17	ug/Kg		8/2/2019 14:01
1,3-Dichlorobenzene	< 4.17	ug/Kg		8/2/2019 14:01
1,4-Dichlorobenzene	< 4.17	ug/Kg		8/2/2019 14:01
1,4-Dioxane	< 41.7	ug/Kg		8/2/2019 14:01
2-Butanone	< 20.8	ug/Kg		8/2/2019 14:01
2-Hexanone	< 10.4	ug/Kg		8/2/2019 14:01
4-Methyl-2-pentanone	< 10.4	ug/Kg		8/2/2019 14:01
Acetone	< 20.8	ug/Kg		8/2/2019 14:01
Benzene	< 4.17	ug/Kg		8/2/2019 14:01
Bromochloromethane	< 10.4	ug/Kg		8/2/2019 14:01

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-23, D-2			
Lab Sample ID:	193526-02		Date Sampled:	7/24/2019
Matrix:	Soil		Date Received:	7/25/2019
Bromodichloromethane	< 4.17	ug/Kg		8/2/2019 14:01
Bromoform	< 10.4	ug/Kg	L	8/2/2019 14:01
Bromomethane	< 4.17	ug/Kg		8/2/2019 14:01
Carbon disulfide	< 4.17	ug/Kg		8/2/2019 14:01
Carbon Tetrachloride	< 4.17	ug/Kg		8/2/2019 14:01
Chlorobenzene	< 4.17	ug/Kg		8/2/2019 14:01
Chloroethane	< 4.17	ug/Kg	L	8/2/2019 14:01
Chloroform	< 4.17	ug/Kg		8/2/2019 14:01
Chloromethane	< 4.17	ug/Kg		8/2/2019 14:01
cis-1,2-Dichloroethene	< 4.17	ug/Kg		8/2/2019 14:01
cis-1,3-Dichloropropene	< 4.17	ug/Kg		8/2/2019 14:01
Cyclohexane	< 20.8	ug/Kg		8/2/2019 14:01
Dibromochloromethane	< 4.17	ug/Kg		8/2/2019 14:01
Dichlorodifluoromethane	< 4.17	ug/Kg		8/2/2019 14:01
Ethylbenzene	< 4.17	ug/Kg		8/2/2019 14:01
Freon 113	< 4.17	ug/Kg		8/2/2019 14:01
Isopropylbenzene	< 4.17	ug/Kg		8/2/2019 14:01
m,p-Xylene	< 4.17	ug/Kg		8/2/2019 14:01
Methyl acetate	< 4.17	ug/Kg		8/2/2019 14:01
Methyl tert-butyl Ether	< 4.17	ug/Kg		8/2/2019 14:01
Methylcyclohexane	< 4.17	ug/Kg		8/2/2019 14:01
Methylene chloride	< 10.4	ug/Kg		8/2/2019 14:01
Naphthalene	< 10.4	ug/Kg		8/2/2019 14:01
n-Butylbenzene	< 4.17	ug/Kg		8/2/2019 14:01
n-Propylbenzene	< 4.17	ug/Kg		8/2/2019 14:01

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-23, D-2

Lab Sample ID: 193526-02

Date Sampled: 7/24/2019

Matrix: Soil

Date Received: 7/25/2019

o-Xylene	< 4.17	ug/Kg	8/2/2019	14:01
p-Isopropyltoluene	< 4.17	ug/Kg	8/2/2019	14:01
sec-Butylbenzene	< 4.17	ug/Kg	8/2/2019	14:01
Styrene	< 10.4	ug/Kg	8/2/2019	14:01
tert-Butylbenzene	< 4.17	ug/Kg	8/2/2019	14:01
Tetrachloroethene	< 4.17	ug/Kg	8/2/2019	14:01
Toluene	< 4.17	ug/Kg	8/2/2019	14:01
trans-1,2-Dichloroethene	< 4.17	ug/Kg	8/2/2019	14:01
trans-1,3-Dichloropropene	< 4.17	ug/Kg	8/2/2019	14:01
Trichloroethene	< 4.17	ug/Kg	8/2/2019	14:01
Trichlorofluoromethane	< 4.17	ug/Kg	8/2/2019	14:01
Vinyl chloride	< 4.17	ug/Kg	8/2/2019	14:01

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	80.5	71 - 141		8/2/2019 14:01
4-Bromofluorobenzene	73.6	60.2 - 128		8/2/2019 14:01
Pentafluorobenzene	102	86.6 - 111		8/2/2019 14:01
Toluene-D8	92.2	77.5 - 115		8/2/2019 14:01

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x63229.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-24, D-3

Lab Sample ID: 193526-03

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.03	ug/Kg		8/2/2019 14:24
1,1,2,2-Tetrachloroethane	< 4.03	ug/Kg		8/2/2019 14:24
1,1,2-Trichloroethane	< 4.03	ug/Kg		8/2/2019 14:24
1,1-Dichloroethane	< 4.03	ug/Kg		8/2/2019 14:24
1,1-Dichloroethene	< 4.03	ug/Kg		8/2/2019 14:24
1,2,3-Trichlorobenzene	< 10.1	ug/Kg		8/2/2019 14:24
1,2,4-Trichlorobenzene	< 10.1	ug/Kg		8/2/2019 14:24
1,2,4-Trimethylbenzene	< 4.03	ug/Kg		8/2/2019 14:24
1,2-Dibromo-3-Chloropropane	< 20.2	ug/Kg		8/2/2019 14:24
1,2-Dibromoethane	< 4.03	ug/Kg		8/2/2019 14:24
1,2-Dichlorobenzene	< 4.03	ug/Kg		8/2/2019 14:24
1,2-Dichloroethane	< 4.03	ug/Kg		8/2/2019 14:24
1,2-Dichloropropane	< 4.03	ug/Kg		8/2/2019 14:24
1,3,5-Trimethylbenzene	< 4.03	ug/Kg		8/2/2019 14:24
1,3-Dichlorobenzene	< 4.03	ug/Kg		8/2/2019 14:24
1,4-Dichlorobenzene	< 4.03	ug/Kg		8/2/2019 14:24
1,4-Dioxane	< 40.3	ug/Kg		8/2/2019 14:24
2-Butanone	< 20.2	ug/Kg		8/2/2019 14:24
2-Hexanone	< 10.1	ug/Kg		8/2/2019 14:24
4-Methyl-2-pentanone	< 10.1	ug/Kg		8/2/2019 14:24
Acetone	< 20.2	ug/Kg		8/2/2019 14:24
Benzene	< 4.03	ug/Kg		8/2/2019 14:24
Bromochloromethane	< 10.1	ug/Kg		8/2/2019 14:24

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-24, D-3

Lab Sample ID: 193526-03

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Bromodichloromethane	< 4.03	ug/Kg		8/2/2019 14:24
Bromoform	< 10.1	ug/Kg	L	8/2/2019 14:24
Bromomethane	< 4.03	ug/Kg		8/2/2019 14:24
Carbon disulfide	< 4.03	ug/Kg		8/2/2019 14:24
Carbon Tetrachloride	< 4.03	ug/Kg		8/2/2019 14:24
Chlorobenzene	< 4.03	ug/Kg		8/2/2019 14:24
Chloroethane	< 4.03	ug/Kg	L	8/2/2019 14:24
Chloroform	< 4.03	ug/Kg		8/2/2019 14:24
Chloromethane	< 4.03	ug/Kg		8/2/2019 14:24
cis-1,2-Dichloroethene	< 4.03	ug/Kg		8/2/2019 14:24
cis-1,3-Dichloropropene	< 4.03	ug/Kg		8/2/2019 14:24
Cyclohexane	< 20.2	ug/Kg		8/2/2019 14:24
Dibromochloromethane	< 4.03	ug/Kg		8/2/2019 14:24
Dichlorodifluoromethane	< 4.03	ug/Kg		8/2/2019 14:24
Ethylbenzene	< 4.03	ug/Kg		8/2/2019 14:24
Freon 113	< 4.03	ug/Kg		8/2/2019 14:24
Isopropylbenzene	< 4.03	ug/Kg		8/2/2019 14:24
m,p-Xylene	< 4.03	ug/Kg		8/2/2019 14:24
Methyl acetate	< 4.03	ug/Kg		8/2/2019 14:24
Methyl tert-butyl Ether	< 4.03	ug/Kg		8/2/2019 14:24
Methylcyclohexane	< 4.03	ug/Kg		8/2/2019 14:24
Methylene chloride	< 10.1	ug/Kg		8/2/2019 14:24
Naphthalene	< 10.1	ug/Kg		8/2/2019 14:24
n-Butylbenzene	< 4.03	ug/Kg		8/2/2019 14:24
n-Propylbenzene	< 4.03	ug/Kg		8/2/2019 14:24

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-24, D-3

Lab Sample ID: 193526-03

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

o-Xylene	< 4.03	ug/Kg	8/2/2019	14:24
p-Isopropyltoluene	< 4.03	ug/Kg	8/2/2019	14:24
sec-Butylbenzene	< 4.03	ug/Kg	8/2/2019	14:24
Styrene	< 10.1	ug/Kg	8/2/2019	14:24
tert-Butylbenzene	< 4.03	ug/Kg	8/2/2019	14:24
Tetrachloroethene	< 4.03	ug/Kg	8/2/2019	14:24
Toluene	< 4.03	ug/Kg	8/2/2019	14:24
trans-1,2-Dichloroethene	< 4.03	ug/Kg	8/2/2019	14:24
trans-1,3-Dichloropropene	< 4.03	ug/Kg	8/2/2019	14:24
Trichloroethene	< 4.03	ug/Kg	8/2/2019	14:24
Trichlorofluoromethane	< 4.03	ug/Kg	8/2/2019	14:24
Vinyl chloride	< 4.03	ug/Kg	8/2/2019	14:24

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	83.2	71 - 141		8/2/2019 14:24
4-Bromofluorobenzene	77.3	60.2 - 128		8/2/2019 14:24
Pentafluorobenzene	104	86.6 - 111		8/2/2019 14:24
Toluene-D8	91.5	77.5 - 115		8/2/2019 14:24

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x63230.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00833	mg/Kg		7/29/2019 12:12

Method Reference(s): EPA 7471B

Preparation Date: 7/29/2019

Data File: Hg190729A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	3560	mg/Kg		7/31/2019 12:34
Antimony	< 3.12	mg/Kg		7/30/2019 00:25
Arsenic	1.07	mg/Kg		7/31/2019 23:53
Barium	28.9	mg/Kg		7/30/2019 00:25
Beryllium	0.211	mg/Kg	J	7/30/2019 00:25
Cadmium	0.236	mg/Kg	J	7/30/2019 00:25
Calcium	43800	mg/Kg		7/31/2019 12:39
Chromium	5.71	mg/Kg		7/30/2019 00:25
Cobalt	2.86	mg/Kg		7/30/2019 00:25
Copper	4.25	mg/Kg		7/30/2019 00:25
Iron	7640	mg/Kg		7/31/2019 12:34
Lead	1.24	mg/Kg		7/30/2019 00:25
Magnesium	12600	mg/Kg		7/30/2019 00:25
Manganese	249	mg/Kg		7/31/2019 23:53
Nickel	5.25	mg/Kg		7/30/2019 00:25
Potassium	849	mg/Kg		7/31/2019 12:34
Selenium	0.859	mg/Kg	J	7/30/2019 00:25
Silver	< 0.520	mg/Kg		7/30/2019 00:25
Sodium	139	mg/Kg		7/31/2019 12:34
Thallium	1.12	mg/Kg	J	7/30/2019 00:25
Vanadium	10.1	mg/Kg		7/30/2019 00:25
Zinc	16.3	mg/Kg		7/30/2019 00:25

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Matrix: Soil

Date Sampled: 7/25/2019

Date Received: 7/25/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/26/2019

Data File: 190731B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 299	ug/Kg		7/31/2019 19:07
1,2,4,5-Tetrachlorobenzene	< 299	ug/Kg		7/31/2019 19:07
1,2,4-Trichlorobenzene	< 299	ug/Kg		7/31/2019 19:07
1,2-Dichlorobenzene	< 299	ug/Kg		7/31/2019 19:07
1,3-Dichlorobenzene	< 299	ug/Kg		7/31/2019 19:07
1,4-Dichlorobenzene	< 299	ug/Kg		7/31/2019 19:07
2,2-Oxybis (1-chloropropane)	< 299	ug/Kg		7/31/2019 19:07
2,3,4,6-Tetrachlorophenol	< 299	ug/Kg		7/31/2019 19:07
2,4,5-Trichlorophenol	< 299	ug/Kg		7/31/2019 19:07
2,4,6-Trichlorophenol	< 299	ug/Kg		7/31/2019 19:07
2,4-Dichlorophenol	< 299	ug/Kg		7/31/2019 19:07
2,4-Dimethylphenol	< 299	ug/Kg		7/31/2019 19:07
2,4-Dinitrophenol	< 1200	ug/Kg		7/31/2019 19:07
2,4-Dinitrotoluene	< 299	ug/Kg		7/31/2019 19:07
2,6-Dinitrotoluene	< 299	ug/Kg		7/31/2019 19:07
2-Chloronaphthalene	< 299	ug/Kg		7/31/2019 19:07
2-Chlorophenol	< 299	ug/Kg		7/31/2019 19:07
2-Methylnaphthalene	< 299	ug/Kg		7/31/2019 19:07
2-Methylphenol	< 299	ug/Kg		7/31/2019 19:07
2-Nitroaniline	< 299	ug/Kg		7/31/2019 19:07
2-Nitrophenol	< 299	ug/Kg		7/31/2019 19:07
3&4-Methylphenol	< 299	ug/Kg		7/31/2019 19:07
3,3'-Dichlorobenzidine	< 299	ug/Kg		7/31/2019 19:07

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	SS-25, D-4			
Lab Sample ID:	193526-04		Date Sampled:	7/25/2019
Matrix:	Soil		Date Received:	7/25/2019
3-Nitroaniline	< 299	ug/Kg	7/31/2019	19:07
4,6-Dinitro-2-methylphenol	< 598	ug/Kg	7/31/2019	19:07
4-Bromophenyl phenyl ether	< 299	ug/Kg	7/31/2019	19:07
4-Chloro-3-methylphenol	< 299	ug/Kg	7/31/2019	19:07
4-Chloroaniline	< 299	ug/Kg	7/31/2019	19:07
4-Chlorophenyl phenyl ether	< 299	ug/Kg	7/31/2019	19:07
4-Nitroaniline	< 299	ug/Kg	7/31/2019	19:07
4-Nitrophenol	< 299	ug/Kg	7/31/2019	19:07
Acenaphthene	< 299	ug/Kg	7/31/2019	19:07
Acenaphthylene	< 299	ug/Kg	7/31/2019	19:07
Acetophenone	< 299	ug/Kg	7/31/2019	19:07
Anthracene	< 299	ug/Kg	7/31/2019	19:07
Atrazine	< 299	ug/Kg	7/31/2019	19:07
Benzaldehyde	< 299	ug/Kg	7/31/2019	19:07
Benzo (a) anthracene	< 299	ug/Kg	7/31/2019	19:07
Benzo (a) pyrene	< 299	ug/Kg	7/31/2019	19:07
Benzo (b) fluoranthene	< 299	ug/Kg	7/31/2019	19:07
Benzo (g,h,i) perylene	< 299	ug/Kg	7/31/2019	19:07
Benzo (k) fluoranthene	< 299	ug/Kg	7/31/2019	19:07
Bis (2-chloroethoxy) methane	< 299	ug/Kg	7/31/2019	19:07
Bis (2-chloroethyl) ether	< 299	ug/Kg	7/31/2019	19:07
Bis (2-ethylhexyl) phthalate	< 299	ug/Kg	7/31/2019	19:07
Butylbenzylphthalate	< 299	ug/Kg	7/31/2019	19:07
Caprolactam	< 299	ug/Kg	7/31/2019	19:07
Carbazole	< 299	ug/Kg	7/31/2019	19:07

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Chrysene	< 299	ug/Kg	7/31/2019 19:07
Dibenz (a,h) anthracene	< 299	ug/Kg	7/31/2019 19:07
Dibenzofuran	< 299	ug/Kg	7/31/2019 19:07
Diethyl phthalate	< 299	ug/Kg	7/31/2019 19:07
Dimethyl phthalate	< 299	ug/Kg	7/31/2019 19:07
Di-n-butyl phthalate	< 299	ug/Kg	7/31/2019 19:07
Di-n-octylphthalate	< 299	ug/Kg	7/31/2019 19:07
Fluoranthene	< 299	ug/Kg	7/31/2019 19:07
Fluorene	< 299	ug/Kg	7/31/2019 19:07
Hexachlorobenzene	< 299	ug/Kg	7/31/2019 19:07
Hexachlorobutadiene	< 299	ug/Kg	7/31/2019 19:07
Hexachlorocyclopentadiene	< 1200	ug/Kg	7/31/2019 19:07
Hexachloroethane	< 299	ug/Kg	7/31/2019 19:07
Indeno (1,2,3-cd) pyrene	< 299	ug/Kg	7/31/2019 19:07
Isophorone	< 299	ug/Kg	7/31/2019 19:07
Naphthalene	< 299	ug/Kg	7/31/2019 19:07
Nitrobenzene	< 299	ug/Kg	7/31/2019 19:07
N-Nitroso-di-n-propylamine	< 299	ug/Kg	7/31/2019 19:07
N-Nitrosodiphenylamine	< 299	ug/Kg	7/31/2019 19:07
Pentachlorophenol	< 598	ug/Kg	7/31/2019 19:07
Phenanthrene	< 299	ug/Kg	7/31/2019 19:07
Phenol	< 299	ug/Kg	7/31/2019 19:07
Pyrene	< 299	ug/Kg	7/31/2019 19:07

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	73.4	34.9 - 92.6		7/31/2019	19:07
2-Fluorobiphenyl	68.0	39 - 77.6		7/31/2019	19:07
2-Fluorophenol	73.1	39.1 - 76.8		7/31/2019	19:07
Nitrobenzene-d5	63.3	35.4 - 75.3		7/31/2019	19:07
Phenol-d5	73.6	40.4 - 77.7		7/31/2019	19:07
Terphenyl-d14	79.5	42 - 93.5		7/31/2019	19:07

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/29/2019

Data File: B39480.D

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Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.45	ug/Kg		8/2/2019 14:48
1,1,2,2-Tetrachloroethane	< 4.45	ug/Kg		8/2/2019 14:48
1,1,2-Trichloroethane	< 4.45	ug/Kg		8/2/2019 14:48
1,1-Dichloroethane	< 4.45	ug/Kg		8/2/2019 14:48
1,1-Dichloroethene	< 4.45	ug/Kg		8/2/2019 14:48
1,2,3-Trichlorobenzene	< 11.1	ug/Kg		8/2/2019 14:48
1,2,4-Trichlorobenzene	< 11.1	ug/Kg		8/2/2019 14:48
1,2,4-Trimethylbenzene	< 4.45	ug/Kg		8/2/2019 14:48
1,2-Dibromo-3-Chloropropane	< 22.3	ug/Kg		8/2/2019 14:48
1,2-Dibromoethane	< 4.45	ug/Kg		8/2/2019 14:48
1,2-Dichlorobenzene	< 4.45	ug/Kg		8/2/2019 14:48
1,2-Dichloroethane	< 4.45	ug/Kg		8/2/2019 14:48
1,2-Dichloropropane	< 4.45	ug/Kg		8/2/2019 14:48
1,3,5-Trimethylbenzene	< 4.45	ug/Kg		8/2/2019 14:48
1,3-Dichlorobenzene	< 4.45	ug/Kg		8/2/2019 14:48
1,4-Dichlorobenzene	< 4.45	ug/Kg		8/2/2019 14:48
1,4-Dioxane	< 44.5	ug/Kg		8/2/2019 14:48
2-Butanone	< 22.3	ug/Kg		8/2/2019 14:48
2-Hexanone	< 11.1	ug/Kg		8/2/2019 14:48
4-Methyl-2-pentanone	< 11.1	ug/Kg		8/2/2019 14:48
Acetone	< 22.3	ug/Kg		8/2/2019 14:48
Benzene	< 4.45	ug/Kg		8/2/2019 14:48
Bromochloromethane	< 11.1	ug/Kg		8/2/2019 14:48

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 2, 2019



Lab Project ID: 193526

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

Bromodichloromethane	< 4.45	ug/Kg		8/2/2019 14:48
Bromoform	< 11.1	ug/Kg	L	8/2/2019 14:48
Bromomethane	< 4.45	ug/Kg		8/2/2019 14:48
Carbon disulfide	< 4.45	ug/Kg		8/2/2019 14:48
Carbon Tetrachloride	< 4.45	ug/Kg		8/2/2019 14:48
Chlorobenzene	< 4.45	ug/Kg		8/2/2019 14:48
Chloroethane	< 4.45	ug/Kg	L	8/2/2019 14:48
Chloroform	< 4.45	ug/Kg		8/2/2019 14:48
Chloromethane	< 4.45	ug/Kg		8/2/2019 14:48
cis-1,2-Dichloroethene	< 4.45	ug/Kg		8/2/2019 14:48
cis-1,3-Dichloropropene	< 4.45	ug/Kg		8/2/2019 14:48
Cyclohexane	< 22.3	ug/Kg		8/2/2019 14:48
Dibromochloromethane	< 4.45	ug/Kg		8/2/2019 14:48
Dichlorodifluoromethane	< 4.45	ug/Kg		8/2/2019 14:48
Ethylbenzene	< 4.45	ug/Kg		8/2/2019 14:48
Freon 113	< 4.45	ug/Kg		8/2/2019 14:48
Isopropylbenzene	< 4.45	ug/Kg		8/2/2019 14:48
m,p-Xylene	< 4.45	ug/Kg		8/2/2019 14:48
Methyl acetate	< 4.45	ug/Kg		8/2/2019 14:48
Methyl tert-butyl Ether	< 4.45	ug/Kg		8/2/2019 14:48
Methylcyclohexane	< 4.45	ug/Kg		8/2/2019 14:48
Methylene chloride	< 11.1	ug/Kg		8/2/2019 14:48
Naphthalene	< 11.1	ug/Kg		8/2/2019 14:48
n-Butylbenzene	< 4.45	ug/Kg		8/2/2019 14:48
n-Propylbenzene	< 4.45	ug/Kg		8/2/2019 14:48

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Report Prepared Friday, August 2, 2019



Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-25, D-4

Lab Sample ID: 193526-04

Date Sampled: 7/25/2019

Matrix: Soil

Date Received: 7/25/2019

o-Xylene	< 4.45	ug/Kg	8/2/2019	14:48
p-Isopropyltoluene	< 4.45	ug/Kg	8/2/2019	14:48
sec-Butylbenzene	< 4.45	ug/Kg	8/2/2019	14:48
Styrene	< 11.1	ug/Kg	8/2/2019	14:48
tert-Butylbenzene	< 4.45	ug/Kg	8/2/2019	14:48
Tetrachloroethene	< 4.45	ug/Kg	8/2/2019	14:48
Toluene	< 4.45	ug/Kg	8/2/2019	14:48
trans-1,2-Dichloroethene	< 4.45	ug/Kg	8/2/2019	14:48
trans-1,3-Dichloropropene	< 4.45	ug/Kg	8/2/2019	14:48
Trichloroethene	< 4.45	ug/Kg	8/2/2019	14:48
Trichlorofluoromethane	< 4.45	ug/Kg	8/2/2019	14:48
Vinyl chloride	< 4.45	ug/Kg	8/2/2019	14:48

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	79.6	71 - 141		8/2/2019 14:48
4-Bromofluorobenzene	75.2	60.2 - 128		8/2/2019 14:48
Pentafluorobenzene	102	86.6 - 111		8/2/2019 14:48
Toluene-D8	89.9	77.5 - 115		8/2/2019 14:48

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x63231.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Method Blank Report

Client: Ravi Engineering & Land Surveying, P.C.
Project Reference: 101-113 Franklin St
Lab Project ID: 193526
SDG #: 3526-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,1,1-Trichloroethane	<2.00	ug/Kg		8/2/2019 13:15
1,1,2,2-Tetrachloroethane	<2.00	ug/Kg		8/2/2019 13:15
1,1,2-Trichloroethane	<2.00	ug/Kg		8/2/2019 13:15
1,1-Dichloroethane	<2.00	ug/Kg		8/2/2019 13:15
1,1-Dichloroethene	<2.00	ug/Kg		8/2/2019 13:15
1,2,3-Trichlorobenzene	<5.00	ug/Kg		8/2/2019 13:15
1,2,4-Trichlorobenzene	<5.00	ug/Kg		8/2/2019 13:15
1,2,4-Trimethylbenzene	<2.00	ug/Kg		8/2/2019 13:15
1,2-Dibromo-3-Chloropropane	<10.0	ug/Kg		8/2/2019 13:15
1,2-Dibromoethane	<2.00	ug/Kg		8/2/2019 13:15
1,2-Dichlorobenzene	<2.00	ug/Kg		8/2/2019 13:15
1,2-Dichloroethane	<2.00	ug/Kg		8/2/2019 13:15
1,2-Dichloropropane	<2.00	ug/Kg		8/2/2019 13:15
1,3,5-Trimethylbenzene	<2.00	ug/Kg		8/2/2019 13:15
1,3-Dichlorobenzene	<2.00	ug/Kg		8/2/2019 13:15
1,4-Dichlorobenzene	<2.00	ug/Kg		8/2/2019 13:15
1,4-Dioxane	<20.0	ug/Kg		8/2/2019 13:15
2-Butanone	<10.0	ug/Kg		8/2/2019 13:15
2-Hexanone	<5.00	ug/Kg		8/2/2019 13:15
4-Methyl-2-pentanone	<5.00	ug/Kg		8/2/2019 13:15
Acetone	<10.0	ug/Kg		8/2/2019 13:15
Benzene	<2.00	ug/Kg		8/2/2019 13:15
Bromochloromethane	<5.00	ug/Kg		8/2/2019 13:15
Bromodichloromethane	<2.00	ug/Kg		8/2/2019 13:15
Bromoform	<5.00	ug/Kg		8/2/2019 13:15
Bromomethane	<2.00	ug/Kg		8/2/2019 13:15
Carbon disulfide	<2.00	ug/Kg		8/2/2019 13:15

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Method Blank Report

Client: Ravi Engineering & Land Surveying, P.C.
Project Reference: 101-113 Franklin St
Lab Project ID: 193526
SDG #: 3526-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Carbon Tetrachloride	<2.00	ug/Kg		8/2/2019 13:15
Chlorobenzene	<2.00	ug/Kg		8/2/2019 13:15
Chloroethane	<2.00	ug/Kg		8/2/2019 13:15
Chloroform	<2.00	ug/Kg		8/2/2019 13:15
Chloromethane	<2.00	ug/Kg		8/2/2019 13:15
cis-1,2-Dichloroethene	<2.00	ug/Kg		8/2/2019 13:15
cis-1,3-Dichloropropene	<2.00	ug/Kg		8/2/2019 13:15
Cyclohexane	<10.0	ug/Kg		8/2/2019 13:15
Dibromochloromethane	<2.00	ug/Kg		8/2/2019 13:15
Dichlorodifluoromethane	<2.00	ug/Kg		8/2/2019 13:15
Ethylbenzene	<2.00	ug/Kg		8/2/2019 13:15
Freon 113	<2.00	ug/Kg		8/2/2019 13:15
Isopropylbenzene	<2.00	ug/Kg		8/2/2019 13:15
m,p-Xylene	<2.00	ug/Kg		8/2/2019 13:15
Methyl acetate	<2.00	ug/Kg		8/2/2019 13:15
Methyl tert-butyl Ether	<2.00	ug/Kg		8/2/2019 13:15
Methylcyclohexane	<2.00	ug/Kg		8/2/2019 13:15
Methylene chloride	<5.00	ug/Kg		8/2/2019 13:15
Naphthalene	<5.00	ug/Kg		8/2/2019 13:15
n-Butylbenzene	<2.00	ug/Kg		8/2/2019 13:15
n-Propylbenzene	<2.00	ug/Kg		8/2/2019 13:15
o-Xylene	<2.00	ug/Kg		8/2/2019 13:15
p-Isopropyltoluene	<2.00	ug/Kg		8/2/2019 13:15
sec-Butylbenzene	<2.00	ug/Kg		8/2/2019 13:15
Styrene	<5.00	ug/Kg		8/2/2019 13:15
tert-Butylbenzene	<2.00	ug/Kg		8/2/2019 13:15
Tetrachloroethene	<2.00	ug/Kg		8/2/2019 13:15
Toluene	<2.00	ug/Kg		8/2/2019 13:15

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Method Blank Report

Client: Ravi Engineering & Land Surveying, P.C.
Project Reference: 101-113 Franklin St
Lab Project ID: 193526
SDG #: 3526-01
Matrix: Soil

Volatile Organics

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>	
trans-1,2-Dichloroethene	<2.00	ug/Kg		8/2/2019	13:15
trans-1,3-Dichloropropene	<2.00	ug/Kg		8/2/2019	13:15
Trichloroethene	<2.00	ug/Kg		8/2/2019	13:15
Trichlorofluoromethane	<2.00	ug/Kg		8/2/2019	13:15
Vinyl chloride	<2.00	ug/Kg		8/2/2019	13:15

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
1,2-Dichloroethane-d4	77.1	71 - 141		8/2/2019	13:15
4-Bromofluorobenzene	76.4	60.2 - 128		8/2/2019	13:15
Pentafluorobenzene	106	86.6 - 111		8/2/2019	13:15
Toluene-D8	96.0	77.5 - 115		8/2/2019	13:15

Method Reference(s): EPA 8260C
 EPA 5035A - L
Data File: x63227.D
QC Batch ID: voas190802
QC Number: 1

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Report Prepared Friday, August 02, 2019



QC Report for Laboratory Control Sample

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Lab Project ID: 193526

SDG #: 3526-01

Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/Kg	23.9	120	71.3 - 124		8/2/2019
1,1,2,2-Tetrachloroethane	20.0	ug/Kg	16.2	80.9	74.4 - 135		8/2/2019
1,1,2-Trichloroethane	20.0	ug/Kg	16.1	80.7	75.4 - 130		8/2/2019
1,1-Dichloroethane	20.0	ug/Kg	22.3	112	78.2 - 121		8/2/2019
1,1-Dichloroethene	20.0	ug/Kg	22.9	114	68.4 - 117		8/2/2019
1,2-Dichlorobenzene	20.0	ug/Kg	21.2	106	73.3 - 128		8/2/2019
1,2-Dichloropropane	20.0	ug/Kg	17.0	85.1	74.4 - 133		8/2/2019
1,3-Dichlorobenzene	20.0	ug/Kg	19.1	95.5	75.7 - 118		8/2/2019
1,4-Dichlorobenzene	20.0	ug/Kg	22.2	111	68.7 - 124		8/2/2019
Benzene	20.0	ug/Kg	20.7	103	69.8 - 116		8/2/2019
Bromodichloromethane	20.0	ug/Kg	22.1	111	79.2 - 126		8/2/2019
Bromoform	20.0	ug/Kg	17.2	86.1	76.4 - 121		8/2/2019
Bromomethane	20.0	ug/Kg	13.4	67.1	70 - 118	*	8/2/2019
Carbon Tetrachloride	20.0	ug/Kg	27.2	136	68.5 - 139		8/2/2019
Chlorobenzene	20.0	ug/Kg	24.4	122	68.9 - 125		8/2/2019
	20.0	ug/Kg	21.9	110	77.4 - 122		8/2/2019

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Lab Project ID: 193526

SDG #: 3526-01

Matrix: Soil

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/Kg	29.9	150	72.8 - 127	*	8/2/2019
Chloroform	20.0	ug/Kg	21.5	107	81.1 - 124		8/2/2019
Chloromethane	20.0	ug/Kg	28.5	143	46.8 - 144		8/2/2019
cis-1,3-Dichloropropene	20.0	ug/Kg	17.3	86.7	60.5 - 122		8/2/2019
Dibromochloromethane	20.0	ug/Kg	16.4	82.1	75.5 - 127		8/2/2019
Ethylbenzene	20.0	ug/Kg	24.2	121	70.1 - 124		8/2/2019
Methylene chloride	20.0	ug/Kg	20.9	105	74.5 - 130		8/2/2019
Tetrachloroethene	20.0	ug/Kg	25.4	127	71.5 - 137		8/2/2019
Toluene	20.0	ug/Kg	23.4	117	77.5 - 126		8/2/2019
trans-1,2-Dichloroethene	20.0	ug/Kg	23.2	116	75 - 122		8/2/2019
trans-1,3-Dichloropropene	20.0	ug/Kg	15.1	75.4	62.3 - 122		8/2/2019
Trichloroethene	20.0	ug/Kg	24.2	121	70.1 - 126		8/2/2019
Trichlorofluoromethane	20.0	ug/Kg	27.2	136	62.1 - 136		8/2/2019
Vinyl chloride	20.0	ug/Kg	27.2	136	57.7 - 136		8/2/2019

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QC Report for Laboratory Control Sample

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Lab Project ID: 193526

SDG #: 3526-01

Matrix: Soil

Volatile Organics

Analyte	Method Reference(s):	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	EPA 8260C							
	EPA 5035A - L							
	Data File: x63226.D							
	QC Number: 1							
	QC Batch ID: voas190802							

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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CHAIN OF CUSTODY



PARADIGM
ENVIRONMENTAL SERVICES, INC.

REPORT TO:

INVOICE TO:

LAB PROJECT ID

CLIENT: RW ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____
 CLIENT: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____
 PHONE: _____ PHONE: _____
 ATTN: Pat Morton ATTN: _____

PROJECT REFERENCE
101-113 Franklin St

Matrix Codes: AQ - Aqueous Liquid
NQ - Non-Aqueous Liquid
 WA - Water DW - Drinking Water SO - Soil
 WG - Groundwater WW - Wastewater SL - Sludge
 SD - Solid WP - Wipe OL - Oil
 PT - Paint CK - Caulk AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MATERIALS	CONTAMINANTS	ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/24/19	1200	X		SS-22	Se	2	X		D-1 OT
7/24/19	1500	X		SS-23	2	2	X		D-2 OT
7/25/19	1100	X		SS-24	2	2	X		D-3 OT
7/25/19	1400	X		SS-25	2	2	X		D-4 OT

*circled 7/25/19 1719
Naturally soils dont deliver*

Turnaround Time
 Availability contingent upon lab approval; additional fees may apply.
 Standard 5 day
 10 day
 Rush 3 day
 Rush 2 day
 Rush 1 day
 Date Needed _____
 please indicate date needed: _____

Report Supplements
 None Required Batch QC Category A Category B Other
 None Required Basic EDD NYSDEC EDD Other EDD
 please indicate EDD needed: _____

Sampled By: Alvin Sciani Date/Time: 7/25/19 Total Cost: _____
 Relinquished By: Alvin Sciani Date/Time: 7/25/19 17:05
 Received By: Mark Paul Date/Time: 7/25/19 17:12 P.I.F.
 Received @ Lab By: _____ Date/Time: _____

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).
 See additional page for sample conditions.

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Chain of Custody Supplement

Client: Ravi Completed by: Moly/ail
 Lab Project ID: 193526 Date: 7/25/19

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 50.3g	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> met
Comments	<u>6°C</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	< 0.00766	mg/Kg		8/2/2019 09:59

Method Reference(s): EPA 7471B

Preparation Date: 8/2/2019

Data File: Hg190802A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	4240	mg/Kg		7/31/2019 20:22
Antimony	< 3.22	mg/Kg		7/31/2019 20:22
Arsenic	1.41	mg/Kg		8/1/2019 21:18
Barium	38.9	mg/Kg		7/31/2019 20:22
Beryllium	0.212	mg/Kg	J	7/31/2019 20:22
Cadmium	< 0.269	mg/Kg		7/31/2019 20:22
Calcium	50800	mg/Kg		8/1/2019 21:22
Chromium	6.58	mg/Kg		7/31/2019 20:22
Cobalt	3.07	mg/Kg		7/31/2019 20:22
Copper	6.63	mg/Kg		7/31/2019 20:22
Iron	8770	mg/Kg		7/31/2019 20:22
Lead	2.47	mg/Kg		7/31/2019 20:22
Magnesium	11300	mg/Kg		7/31/2019 20:22
Manganese	311	mg/Kg		7/31/2019 20:22
Nickel	5.92	mg/Kg		7/31/2019 20:22
Potassium	1020	mg/Kg		7/31/2019 20:22
Selenium	1.31	mg/Kg		7/31/2019 20:22
Silver	< 0.537	mg/Kg		7/31/2019 20:22
Sodium	132	mg/Kg	J	8/1/2019 21:18
Thallium	2.37	mg/Kg		7/31/2019 20:22
Vanadium	10.9	mg/Kg		7/31/2019 20:22
Zinc	16.7	mg/Kg		7/31/2019 20:22

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/31/2019

Data File: 190731C

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1221	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1232	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1242	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1248	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1254	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1260	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1262	< 0.148	mg/Kg		8/1/2019 00:06
PCB-1268	< 0.148	mg/Kg		8/1/2019 00:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	82.3	21.7 - 82.5		8/1/2019 00:06

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 7/31/2019

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 314	ug/Kg		8/2/2019 01:32
1,2,4,5-Tetrachlorobenzene	< 314	ug/Kg		8/2/2019 01:32
1,2,4-Trichlorobenzene	< 314	ug/Kg		8/2/2019 01:32
1,2-Dichlorobenzene	< 314	ug/Kg		8/2/2019 01:32
1,3-Dichlorobenzene	< 314	ug/Kg		8/2/2019 01:32
1,4-Dichlorobenzene	< 314	ug/Kg		8/2/2019 01:32
2,2-Oxybis (1-chloropropane)	< 314	ug/Kg		8/2/2019 01:32
2,3,4,6-Tetrachlorophenol	< 314	ug/Kg		8/2/2019 01:32
2,4,5-Trichlorophenol	< 314	ug/Kg		8/2/2019 01:32
2,4,6-Trichlorophenol	< 314	ug/Kg		8/2/2019 01:32
2,4-Dichlorophenol	< 314	ug/Kg		8/2/2019 01:32
2,4-Dimethylphenol	< 314	ug/Kg		8/2/2019 01:32
2,4-Dinitrophenol	< 1260	ug/Kg		8/2/2019 01:32
2,4-Dinitrotoluene	< 314	ug/Kg		8/2/2019 01:32
2,6-Dinitrotoluene	< 314	ug/Kg		8/2/2019 01:32
2-Chloronaphthalene	< 314	ug/Kg		8/2/2019 01:32
2-Chlorophenol	< 314	ug/Kg		8/2/2019 01:32
2-Methylnaphthalene	< 314	ug/Kg		8/2/2019 01:32
2-Methylphenol	< 314	ug/Kg		8/2/2019 01:32
2-Nitroaniline	< 314	ug/Kg		8/2/2019 01:32
2-Nitrophenol	< 314	ug/Kg		8/2/2019 01:32
3&4-Methylphenol	< 314	ug/Kg		8/2/2019 01:32
3,3'-Dichlorobenzidine	< 314	ug/Kg		8/2/2019 01:32

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

3-Nitroaniline	< 314	ug/Kg	8/2/2019 01:32
4,6-Dinitro-2-methylphenol	< 629	ug/Kg	8/2/2019 01:32
4-Bromophenyl phenyl ether	< 314	ug/Kg	8/2/2019 01:32
4-Chloro-3-methylphenol	< 314	ug/Kg	8/2/2019 01:32
4-Chloroaniline	< 314	ug/Kg	8/2/2019 01:32
4-Chlorophenyl phenyl ether	< 314	ug/Kg	8/2/2019 01:32
4-Nitroaniline	< 314	ug/Kg	8/2/2019 01:32
4-Nitrophenol	< 314	ug/Kg	8/2/2019 01:32
Acenaphthene	< 314	ug/Kg	8/2/2019 01:32
Acenaphthylene	< 314	ug/Kg	8/2/2019 01:32
Acetophenone	< 314	ug/Kg	8/2/2019 01:32
Anthracene	< 314	ug/Kg	8/2/2019 01:32
Atrazine	< 314	ug/Kg	8/2/2019 01:32
Benzaldehyde	< 314	ug/Kg	8/2/2019 01:32
Benzo (a) anthracene	< 314	ug/Kg	8/2/2019 01:32
Benzo (a) pyrene	< 314	ug/Kg	8/2/2019 01:32
Benzo (b) fluoranthene	< 314	ug/Kg	8/2/2019 01:32
Benzo (g,h,i) perylene	< 314	ug/Kg	8/2/2019 01:32
Benzo (k) fluoranthene	< 314	ug/Kg	8/2/2019 01:32
Bis (2-chloroethoxy) methane	< 314	ug/Kg	8/2/2019 01:32
Bis (2-chloroethyl) ether	< 314	ug/Kg	8/2/2019 01:32
Bis (2-ethylhexyl) phthalate	< 314	ug/Kg	8/2/2019 01:32
Butylbenzylphthalate	< 314	ug/Kg	8/2/2019 01:32
Caprolactam	< 314	ug/Kg	8/2/2019 01:32
Carbazole	< 314	ug/Kg	8/2/2019 01:32

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Chrysene	< 314	ug/Kg	8/2/2019 01:32
Dibenz (a,h) anthracene	< 314	ug/Kg	8/2/2019 01:32
Dibenzofuran	< 314	ug/Kg	8/2/2019 01:32
Diethyl phthalate	< 314	ug/Kg	8/2/2019 01:32
Dimethyl phthalate	< 314	ug/Kg	8/2/2019 01:32
Di-n-butyl phthalate	< 314	ug/Kg	8/2/2019 01:32
Di-n-octylphthalate	< 314	ug/Kg	8/2/2019 01:32
Fluoranthene	< 314	ug/Kg	8/2/2019 01:32
Fluorene	< 314	ug/Kg	8/2/2019 01:32
Hexachlorobenzene	< 314	ug/Kg	8/2/2019 01:32
Hexachlorobutadiene	< 314	ug/Kg	8/2/2019 01:32
Hexachlorocyclopentadiene	< 1260	ug/Kg	8/2/2019 01:32
Hexachloroethane	< 314	ug/Kg	8/2/2019 01:32
Indeno (1,2,3-cd) pyrene	< 314	ug/Kg	8/2/2019 01:32
Isophorone	< 314	ug/Kg	8/2/2019 01:32
Naphthalene	< 314	ug/Kg	8/2/2019 01:32
Nitrobenzene	< 314	ug/Kg	8/2/2019 01:32
N-Nitroso-di-n-propylamine	< 314	ug/Kg	8/2/2019 01:32
N-Nitrosodiphenylamine	< 314	ug/Kg	8/2/2019 01:32
Pentachlorophenol	< 629	ug/Kg	8/2/2019 01:32
Phenanthrene	< 314	ug/Kg	8/2/2019 01:32
Phenol	< 314	ug/Kg	8/2/2019 01:32
Pyrene	< 314	ug/Kg	8/2/2019 01:32

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	63.8	34.9 - 92.6		8/2/2019 01:32
2-Fluorobiphenyl	54.4	39 - 77.6		8/2/2019 01:32
2-Fluorophenol	59.8	39.1 - 76.8		8/2/2019 01:32
Nitrobenzene-d5	52.5	35.4 - 75.3		8/2/2019 01:32
Phenol-d5	61.1	40.4 - 77.7		8/2/2019 01:32
Terphenyl-d14	66.0	42 - 93.5		8/2/2019 01:32

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/31/2019

Data File: B39538.D

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.39	ug/Kg		8/2/2019 21:36
1,1,2,2-Tetrachloroethane	< 4.39	ug/Kg		8/2/2019 21:36
1,1,2-Trichloroethane	< 4.39	ug/Kg		8/2/2019 21:36
1,1-Dichloroethane	< 4.39	ug/Kg		8/2/2019 21:36
1,1-Dichloroethene	< 4.39	ug/Kg		8/2/2019 21:36
1,2,3-Trichlorobenzene	< 11.0	ug/Kg		8/2/2019 21:36
1,2,4-Trichlorobenzene	< 11.0	ug/Kg		8/2/2019 21:36
1,2,4-Trimethylbenzene	< 4.39	ug/Kg		8/2/2019 21:36
1,2-Dibromo-3-Chloropropane	< 22.0	ug/Kg		8/2/2019 21:36
1,2-Dibromoethane	< 4.39	ug/Kg		8/2/2019 21:36
1,2-Dichlorobenzene	< 4.39	ug/Kg		8/2/2019 21:36
1,2-Dichloroethane	< 4.39	ug/Kg		8/2/2019 21:36
1,2-Dichloropropane	< 4.39	ug/Kg		8/2/2019 21:36
1,3,5-Trimethylbenzene	< 4.39	ug/Kg		8/2/2019 21:36
1,3-Dichlorobenzene	< 4.39	ug/Kg		8/2/2019 21:36
1,4-Dichlorobenzene	< 4.39	ug/Kg		8/2/2019 21:36
1,4-Dioxane	< 43.9	ug/Kg		8/2/2019 21:36
2-Butanone	< 22.0	ug/Kg		8/2/2019 21:36
2-Hexanone	< 11.0	ug/Kg		8/2/2019 21:36
4-Methyl-2-pentanone	< 11.0	ug/Kg		8/2/2019 21:36
Acetone	29.8	ug/Kg		8/2/2019 21:36
Benzene	< 4.39	ug/Kg		8/2/2019 21:36
Bromochloromethane	< 11.0	ug/Kg		8/2/2019 21:36

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Bromodichloromethane	< 4.39	ug/Kg	8/2/2019 21:36
Bromoform	< 11.0	ug/Kg	8/2/2019 21:36
Bromomethane	< 4.39	ug/Kg	8/2/2019 21:36
Carbon disulfide	< 4.39	ug/Kg	8/2/2019 21:36
Carbon Tetrachloride	< 4.39	ug/Kg	8/2/2019 21:36
Chlorobenzene	< 4.39	ug/Kg	8/2/2019 21:36
Chloroethane	< 4.39	ug/Kg	8/2/2019 21:36
Chloroform	< 4.39	ug/Kg	8/2/2019 21:36
Chloromethane	< 4.39	ug/Kg	8/2/2019 21:36
cis-1,2-Dichloroethene	< 4.39	ug/Kg	8/2/2019 21:36
cis-1,3-Dichloropropene	< 4.39	ug/Kg	8/2/2019 21:36
Cyclohexane	< 22.0	ug/Kg	8/2/2019 21:36
Dibromochloromethane	< 4.39	ug/Kg	8/2/2019 21:36
Dichlorodifluoromethane	< 4.39	ug/Kg	8/2/2019 21:36
Ethylbenzene	< 4.39	ug/Kg	8/2/2019 21:36
Freon 113	< 4.39	ug/Kg	8/2/2019 21:36
Isopropylbenzene	< 4.39	ug/Kg	8/2/2019 21:36
m,p-Xylene	< 4.39	ug/Kg	8/2/2019 21:36
Methyl acetate	< 4.39	ug/Kg	8/2/2019 21:36
Methyl tert-butyl Ether	< 4.39	ug/Kg	8/2/2019 21:36
Methylcyclohexane	< 4.39	ug/Kg	8/2/2019 21:36
Methylene chloride	< 11.0	ug/Kg	8/2/2019 21:36
Naphthalene	< 11.0	ug/Kg	8/2/2019 21:36
n-Butylbenzene	< 4.39	ug/Kg	8/2/2019 21:36
n-Propylbenzene	< 4.39	ug/Kg	8/2/2019 21:36

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: SS-26 (D5)

Lab Sample ID: 193573-01

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

o-Xylene	< 4.39	ug/Kg	8/2/2019	21:36
p-Isopropyltoluene	< 4.39	ug/Kg	8/2/2019	21:36
sec-Butylbenzene	< 4.39	ug/Kg	8/2/2019	21:36
Styrene	< 11.0	ug/Kg	8/2/2019	21:36
tert-Butylbenzene	< 4.39	ug/Kg	8/2/2019	21:36
Tetrachloroethene	< 4.39	ug/Kg	8/2/2019	21:36
Toluene	< 4.39	ug/Kg	8/2/2019	21:36
trans-1,2-Dichloroethene	< 4.39	ug/Kg	8/2/2019	21:36
trans-1,3-Dichloropropene	< 4.39	ug/Kg	8/2/2019	21:36
Trichloroethene	< 4.39	ug/Kg	8/2/2019	21:36
Trichlorofluoromethane	< 4.39	ug/Kg	8/2/2019	21:36
Vinyl chloride	< 4.39	ug/Kg	8/2/2019	21:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	83.9	71 - 141		8/2/2019 21:36
4-Bromofluorobenzene	73.5	60.2 - 128		8/2/2019 21:36
Pentafluorobenzene	106	86.6 - 111		8/2/2019 21:36
Toluene-D8	93.9	77.5 - 115		8/2/2019 21:36

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x63248.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-4

Lab Sample ID: 193573-02

Date Sampled: 7/26/2019

Matrix: Groundwater

Date Received: 7/29/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 100	ug/L		8/5/2019 11:19
1,2,4,5-Tetrachlorobenzene	< 100	ug/L		8/5/2019 11:19
1,2,4-Trichlorobenzene	< 100	ug/L		8/5/2019 11:19
1,2-Dichlorobenzene	< 100	ug/L		8/5/2019 11:19
1,3-Dichlorobenzene	< 100	ug/L		8/5/2019 11:19
1,4-Dichlorobenzene	< 100	ug/L		8/5/2019 11:19
2,2-Oxybis (1-chloropropane)	< 100	ug/L		8/5/2019 11:19
2,3,4,6-Tetrachlorophenol	< 100	ug/L		8/5/2019 11:19
2,4,5-Trichlorophenol	< 200	ug/L		8/5/2019 11:19
2,4,6-Trichlorophenol	< 100	ug/L		8/5/2019 11:19
2,4-Dichlorophenol	< 100	ug/L		8/5/2019 11:19
2,4-Dimethylphenol	< 200	ug/L		8/5/2019 11:19
2,4-Dinitrophenol	< 200	ug/L		8/5/2019 11:19
2,4-Dinitrotoluene	< 100	ug/L		8/5/2019 11:19
2,6-Dinitrotoluene	< 100	ug/L		8/5/2019 11:19
2-Chloronaphthalene	< 100	ug/L		8/5/2019 11:19
2-Chlorophenol	< 100	ug/L		8/5/2019 11:19
2-Methylnaphthalene	< 100	ug/L		8/5/2019 11:19
2-Methylphenol	< 100	ug/L		8/5/2019 11:19
2-Nitroaniline	< 200	ug/L		8/5/2019 11:19
2-Nitrophenol	< 100	ug/L		8/5/2019 11:19
3&4-Methylphenol	< 100	ug/L		8/5/2019 11:19
3,3'-Dichlorobenzidine	< 100	ug/L		8/5/2019 11:19

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-4			
Lab Sample ID:	193573-02		Date Sampled:	7/26/2019
Matrix:	Groundwater		Date Received:	7/29/2019
3-Nitroaniline	< 200	ug/L	8/5/2019	11:19
4,6-Dinitro-2-methylphenol	< 200	ug/L	8/5/2019	11:19
4-Bromophenyl phenyl ether	< 100	ug/L	8/5/2019	11:19
4-Chloro-3-methylphenol	< 100	ug/L	8/5/2019	11:19
4-Chloroaniline	< 100	ug/L	8/5/2019	11:19
4-Chlorophenyl phenyl ether	< 100	ug/L	8/5/2019	11:19
4-Nitroaniline	< 200	ug/L	8/5/2019	11:19
4-Nitrophenol	< 200	ug/L	8/5/2019	11:19
Acenaphthene	< 100	ug/L	8/5/2019	11:19
Acenaphthylene	< 100	ug/L	8/5/2019	11:19
Acetophenone	< 100	ug/L	8/5/2019	11:19
Anthracene	< 100	ug/L	8/5/2019	11:19
Atrazine	< 100	ug/L	8/5/2019	11:19
Benzaldehyde	< 100	ug/L	8/5/2019	11:19
Benzo (a) anthracene	< 100	ug/L	8/5/2019	11:19
Benzo (a) pyrene	< 100	ug/L	8/5/2019	11:19
Benzo (b) fluoranthene	< 100	ug/L	8/5/2019	11:19
Benzo (g,h,i) perylene	< 100	ug/L	8/5/2019	11:19
Benzo (k) fluoranthene	< 100	ug/L	8/5/2019	11:19
Bis (2-chloroethoxy) methane	< 100	ug/L	8/5/2019	11:19
Bis (2-chloroethyl) ether	< 100	ug/L	8/5/2019	11:19
Bis (2-ethylhexyl) phthalate	< 100	ug/L	8/5/2019	11:19
Butylbenzylphthalate	< 100	ug/L	8/5/2019	11:19
Caprolactam	850	ug/L	8/5/2019	11:19
Carbazole	< 100	ug/L	8/5/2019	11:19

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-4

Lab Sample ID: 193573-02

Date Sampled: 7/26/2019

Matrix: Groundwater

Date Received: 7/29/2019

Chrysene	< 100	ug/L	8/5/2019 11:19
Dibenz (a,h) anthracene	< 100	ug/L	8/5/2019 11:19
Dibenzofuran	< 100	ug/L	8/5/2019 11:19
Diethyl phthalate	< 100	ug/L	8/5/2019 11:19
Dimethyl phthalate	< 200	ug/L	8/5/2019 11:19
Di-n-butyl phthalate	< 100	ug/L	8/5/2019 11:19
Di-n-octylphthalate	< 100	ug/L	8/5/2019 11:19
Fluoranthene	< 100	ug/L	8/5/2019 11:19
Fluorene	< 100	ug/L	8/5/2019 11:19
Hexachlorobenzene	< 100	ug/L	8/5/2019 11:19
Hexachlorobutadiene	< 100	ug/L	8/5/2019 11:19
Hexachlorocyclopentadiene	< 100	ug/L	8/5/2019 11:19
Hexachloroethane	< 100	ug/L	8/5/2019 11:19
Indeno (1,2,3-cd) pyrene	< 100	ug/L	8/5/2019 11:19
Isophorone	< 100	ug/L	8/5/2019 11:19
Naphthalene	< 100	ug/L	8/5/2019 11:19
Nitrobenzene	< 100	ug/L	8/5/2019 11:19
N-Nitroso-di-n-propylamine	< 100	ug/L	8/5/2019 11:19
N-Nitrosodiphenylamine	< 100	ug/L	8/5/2019 11:19
Pentachlorophenol	< 200	ug/L	8/5/2019 11:19
Phenanthrene	< 100	ug/L	8/5/2019 11:19
Phenol	< 100	ug/L	8/5/2019 11:19
Pyrene	< 100	ug/L	8/5/2019 11:19

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-4

Lab Sample ID: 193573-02

Date Sampled: 7/26/2019

Matrix: Groundwater

Date Received: 7/29/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	NC	54.2 - 126		8/5/2019 11:19
2-Fluorobiphenyl	NC	37.6 - 102		8/5/2019 11:19
2-Fluorophenol	NC	15.1 - 106		8/5/2019 11:19
Nitrobenzene-d5	NC	53.3 - 103		8/5/2019 11:19
Phenol-d5	NC	10 - 108		8/5/2019 11:19
Terphenyl-d14	NC	61.8 - 114		8/5/2019 11:19

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 7/31/2019

Data File: B39624.D

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: S-1 (D5)

Lab Sample ID: 193573-03

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	0.110	mg/Kg		8/2/2019 10:01

Method Reference(s): EPA 7471B

Preparation Date: 8/2/2019

Data File: Hg190802A

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: S-1 (D5)

Lab Sample ID: 193573-03

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	5900	mg/Kg		7/31/2019 20:26
Antimony	< 3.14	mg/Kg		7/31/2019 20:26
Arsenic	4.06	mg/Kg		7/31/2019 20:26
Barium	42.3	mg/Kg		7/31/2019 20:26
Beryllium	0.269	mg/Kg		7/31/2019 20:26
Cadmium	< 0.262	mg/Kg		7/31/2019 20:26
Calcium	39000	mg/Kg		8/1/2019 21:41
Chromium	9.97	mg/Kg		7/31/2019 20:26
Cobalt	3.72	mg/Kg		7/31/2019 20:26
Copper	17.0	mg/Kg		7/31/2019 20:26
Iron	9750	mg/Kg		7/31/2019 20:26
Lead	60.7	mg/Kg		7/31/2019 20:26
Magnesium	9270	mg/Kg		7/31/2019 20:26
Manganese	375	mg/Kg		7/31/2019 20:26
Nickel	7.36	mg/Kg		7/31/2019 20:26
Potassium	963	mg/Kg		7/31/2019 20:26
Selenium	1.36	mg/Kg		8/2/2019 12:04
Silver	< 0.523	mg/Kg		7/31/2019 20:26
Sodium	101	mg/Kg	J	7/31/2019 20:26
Thallium	1.19	mg/Kg	J	7/31/2019 20:26
Vanadium	11.7	mg/Kg		7/31/2019 20:26
Zinc	60.6	mg/Kg		7/31/2019 20:26

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Report Prepared Monday, August 5, 2019



Lab Project ID: 193573

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: S-1 (D5)

Lab Sample ID: 193573-03

Date Sampled: 7/26/2019

Matrix: Soil

Date Received: 7/29/2019

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/31/2019

Data File: 190731C

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Report Prepared Monday, August 5, 2019



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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Chain of Custody Supplement

Client: Ravi Engineering Completed by: Glenn Pezzulo
 Lab Project ID: 193573 Date: 7/30/19

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 5035 (01)	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<u>10°C iced started in field 7/26/19 16:09</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SVOA (02)	<input type="checkbox"/>
Comments	_____		



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.000200	mg/L		8/12/2019 07:44

Method Reference(s): EPA 7470A

Preparation Date: 8/9/2019

Data File: Hg190812A

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	0.217	mg/L		8/14/2019 13:03
Antimony	< 0.0600	mg/L		8/14/2019 13:03
Arsenic	< 0.0100	mg/L		8/14/2019 13:03
Barium	0.133	mg/L		8/14/2019 13:03
Beryllium	< 0.00500	mg/L		8/14/2019 13:03
Cadmium	< 0.00500	mg/L		8/14/2019 13:03
Calcium	88.5	mg/L		8/14/2019 13:03
Chromium	< 0.0100	mg/L		8/14/2019 13:03
Cobalt	< 0.0500	mg/L		8/14/2019 13:03
Copper	< 0.0400	mg/L		8/14/2019 13:03
Iron	0.733	mg/L		8/15/2019 07:30
Lead	< 0.0100	mg/L		8/14/2019 13:03
Magnesium	29.4	mg/L		8/14/2019 13:03
Manganese	0.154	mg/L		8/14/2019 13:03
Nickel	< 0.0400	mg/L		8/14/2019 13:03
Potassium	10.7	mg/L		8/14/2019 13:03
Selenium	< 0.0200	mg/L		8/14/2019 13:03
Silver	< 0.0100	mg/L		8/14/2019 13:03
Sodium	825	mg/L		8/14/2019 13:37
Thallium	< 0.0250	mg/L		8/14/2019 13:03
Vanadium	< 0.0250	mg/L		8/14/2019 13:03
Zinc	< 0.0600	mg/L		8/14/2019 13:03

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 8/8/2019

Data File: 190814B

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		8/12/2019 17:00
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		8/12/2019 17:00
1,2,4-Trichlorobenzene	< 10.0	ug/L		8/12/2019 17:00
1,2-Dichlorobenzene	< 10.0	ug/L		8/12/2019 17:00
1,3-Dichlorobenzene	< 10.0	ug/L		8/12/2019 17:00
1,4-Dichlorobenzene	< 10.0	ug/L		8/12/2019 17:00
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		8/12/2019 17:00
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		8/12/2019 17:00
2,4,5-Trichlorophenol	< 20.0	ug/L		8/12/2019 17:00
2,4,6-Trichlorophenol	< 10.0	ug/L		8/12/2019 17:00
2,4-Dichlorophenol	< 10.0	ug/L		8/12/2019 17:00
2,4-Dimethylphenol	< 20.0	ug/L		8/12/2019 17:00
2,4-Dinitrophenol	< 20.0	ug/L		8/12/2019 17:00
2,4-Dinitrotoluene	< 10.0	ug/L		8/12/2019 17:00
2,6-Dinitrotoluene	< 10.0	ug/L		8/12/2019 17:00
2-Chloronaphthalene	< 10.0	ug/L		8/12/2019 17:00
2-Chlorophenol	< 10.0	ug/L		8/12/2019 17:00
2-Methylnaphthalene	< 10.0	ug/L		8/12/2019 17:00
2-Methylphenol	< 10.0	ug/L		8/12/2019 17:00
2-Nitroaniline	< 20.0	ug/L		8/12/2019 17:00
2-Nitrophenol	< 10.0	ug/L		8/12/2019 17:00
3&4-Methylphenol	< 10.0	ug/L		8/12/2019 17:00
3,3'-Dichlorobenzidine	< 10.0	ug/L		8/12/2019 17:00

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

3-Nitroaniline	< 20.0	ug/L	8/12/2019 17:00
4,6-Dinitro-2-methylphenol	< 20.0	ug/L	8/12/2019 17:00
4-Bromophenyl phenyl ether	< 10.0	ug/L	8/12/2019 17:00
4-Chloro-3-methylphenol	< 10.0	ug/L	8/12/2019 17:00
4-Chloroaniline	< 10.0	ug/L	8/12/2019 17:00
4-Chlorophenyl phenyl ether	< 10.0	ug/L	8/12/2019 17:00
4-Nitroaniline	< 20.0	ug/L	8/12/2019 17:00
4-Nitrophenol	< 20.0	ug/L	8/12/2019 17:00
Acenaphthene	< 10.0	ug/L	8/12/2019 17:00
Acenaphthylene	< 10.0	ug/L	8/12/2019 17:00
Acetophenone	< 10.0	ug/L	8/12/2019 17:00
Anthracene	< 10.0	ug/L	8/12/2019 17:00
Atrazine	< 10.0	ug/L	8/12/2019 17:00
Benzaldehyde	< 10.0	ug/L	8/12/2019 17:00
Benzo (a) anthracene	< 10.0	ug/L	8/12/2019 17:00
Benzo (a) pyrene	< 10.0	ug/L	8/12/2019 17:00
Benzo (b) fluoranthene	< 10.0	ug/L	8/12/2019 17:00
Benzo (g,h,i) perylene	< 10.0	ug/L	8/12/2019 17:00
Benzo (k) fluoranthene	< 10.0	ug/L	8/12/2019 17:00
Bis (2-chloroethoxy) methane	< 10.0	ug/L	8/12/2019 17:00
Bis (2-chloroethyl) ether	< 10.0	ug/L	8/12/2019 17:00
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L	8/12/2019 17:00
Butylbenzylphthalate	< 10.0	ug/L	8/12/2019 17:00
Caprolactam	< 10.0	ug/L	8/12/2019 17:00
Carbazole	< 10.0	ug/L	8/12/2019 17:00

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-D2		
Lab Sample ID:	193780-01	Date Sampled:	8/7/2019
Matrix:	Groundwater	Date Received:	8/7/2019

Chrysene	< 10.0	ug/L	8/12/2019 17:00
Dibenz (a,h) anthracene	< 10.0	ug/L	8/12/2019 17:00
Dibenzofuran	< 10.0	ug/L	8/12/2019 17:00
Diethyl phthalate	59.4	ug/L	8/12/2019 17:00
Dimethyl phthalate	< 20.0	ug/L	8/12/2019 17:00
Di-n-butyl phthalate	< 10.0	ug/L	8/12/2019 17:00
Di-n-octylphthalate	< 10.0	ug/L	8/12/2019 17:00
Fluoranthene	< 10.0	ug/L	8/12/2019 17:00
Fluorene	< 10.0	ug/L	8/12/2019 17:00
Hexachlorobenzene	< 10.0	ug/L	8/12/2019 17:00
Hexachlorobutadiene	< 10.0	ug/L	8/12/2019 17:00
Hexachlorocyclopentadiene	< 10.0	ug/L	8/12/2019 17:00
Hexachloroethane	< 10.0	ug/L	8/12/2019 17:00
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L	8/12/2019 17:00
Isophorone	< 10.0	ug/L	8/12/2019 17:00
Naphthalene	< 10.0	ug/L	8/12/2019 17:00
Nitrobenzene	< 10.0	ug/L	8/12/2019 17:00
N-Nitroso-di-n-propylamine	< 10.0	ug/L	8/12/2019 17:00
N-Nitrosodiphenylamine	< 10.0	ug/L	8/12/2019 17:00
Pentachlorophenol	< 20.0	ug/L	8/12/2019 17:00
Phenanthrene	< 10.0	ug/L	8/12/2019 17:00
Phenol	< 10.0	ug/L	8/12/2019 17:00
Pyrene	< 10.0	ug/L	8/12/2019 17:00

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	73.7	54.2 - 126		8/12/2019 17:00
2-Fluorobiphenyl	42.4	37.6 - 102		8/12/2019 17:00
2-Fluorophenol	38.0	15.1 - 106		8/12/2019 17:00
Nitrobenzene-d5	59.2	53.3 - 103		8/12/2019 17:00
Phenol-d5	26.2	10 - 108		8/12/2019 17:00
Terphenyl-d14	70.3	61.8 - 114		8/12/2019 17:00

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 8/12/2019

Data File: B39913.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		8/13/2019 23:03
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		8/13/2019 23:03
1,1,2-Trichloroethane	< 2.00	ug/L		8/13/2019 23:03
1,1-Dichloroethane	< 2.00	ug/L		8/13/2019 23:03
1,1-Dichloroethene	< 2.00	ug/L		8/13/2019 23:03
1,2,3-Trichlorobenzene	< 5.00	ug/L		8/13/2019 23:03
1,2,4-Trichlorobenzene	< 5.00	ug/L		8/13/2019 23:03
1,2,4-Trimethylbenzene	< 2.00	ug/L		8/13/2019 23:03
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		8/13/2019 23:03
1,2-Dibromoethane	< 2.00	ug/L		8/13/2019 23:03
1,2-Dichlorobenzene	< 2.00	ug/L		8/13/2019 23:03
1,2-Dichloroethane	< 2.00	ug/L		8/13/2019 23:03
1,2-Dichloropropane	< 2.00	ug/L		8/13/2019 23:03
1,3,5-Trimethylbenzene	< 2.00	ug/L		8/13/2019 23:03
1,3-Dichlorobenzene	< 2.00	ug/L		8/13/2019 23:03
1,4-Dichlorobenzene	< 2.00	ug/L		8/13/2019 23:03
1,4-Dioxane	< 20.0	ug/L		8/13/2019 23:03
2-Butanone	< 10.0	ug/L		8/13/2019 23:03
2-Hexanone	< 5.00	ug/L		8/13/2019 23:03
4-Methyl-2-pentanone	< 5.00	ug/L		8/13/2019 23:03
Acetone	< 10.0	ug/L		8/13/2019 23:03
Benzene	< 1.00	ug/L		8/13/2019 23:03
Bromochloromethane	< 5.00	ug/L		8/13/2019 23:03

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Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Bromodichloromethane	< 2.00	ug/L	8/13/2019 23:03
Bromoform	< 5.00	ug/L	8/13/2019 23:03
Bromomethane	< 2.00	ug/L	8/13/2019 23:03
Carbon disulfide	< 2.00	ug/L	8/13/2019 23:03
Carbon Tetrachloride	< 2.00	ug/L	8/13/2019 23:03
Chlorobenzene	< 2.00	ug/L	8/13/2019 23:03
Chloroethane	< 2.00	ug/L	8/13/2019 23:03
Chloroform	< 2.00	ug/L	8/13/2019 23:03
Chloromethane	< 2.00	ug/L	8/13/2019 23:03
cis-1,2-Dichloroethene	12.5	ug/L	8/13/2019 23:03
cis-1,3-Dichloropropene	< 2.00	ug/L	8/13/2019 23:03
Cyclohexane	< 10.0	ug/L	8/13/2019 23:03
Dibromochloromethane	< 2.00	ug/L	8/13/2019 23:03
Dichlorodifluoromethane	< 2.00	ug/L	8/13/2019 23:03
Ethylbenzene	< 2.00	ug/L	8/13/2019 23:03
Freon 113	< 2.00	ug/L	8/13/2019 23:03
Isopropylbenzene	< 2.00	ug/L	8/13/2019 23:03
m,p-Xylene	< 2.00	ug/L	8/13/2019 23:03
Methyl acetate	< 2.00	ug/L	8/13/2019 23:03
Methyl tert-butyl Ether	< 2.00	ug/L	8/13/2019 23:03
Methylcyclohexane	< 2.00	ug/L	8/13/2019 23:03
Methylene chloride	< 5.00	ug/L	8/13/2019 23:03
Naphthalene	< 5.00	ug/L	8/13/2019 23:03
n-Butylbenzene	< 2.00	ug/L	8/13/2019 23:03
n-Propylbenzene	< 2.00	ug/L	8/13/2019 23:03

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D2

Lab Sample ID: 193780-01

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

o-Xylene	< 2.00	ug/L	8/13/2019	23:03
p-Isopropyltoluene	< 2.00	ug/L	8/13/2019	23:03
sec-Butylbenzene	< 2.00	ug/L	8/13/2019	23:03
Styrene	< 5.00	ug/L	8/13/2019	23:03
tert-Butylbenzene	< 2.00	ug/L	8/13/2019	23:03
Tetrachloroethene	< 2.00	ug/L	8/13/2019	23:03
Toluene	< 2.00	ug/L	8/13/2019	23:03
trans-1,2-Dichloroethene	< 2.00	ug/L	8/13/2019	23:03
trans-1,3-Dichloropropene	< 2.00	ug/L	8/13/2019	23:03
Trichloroethene	2.27	ug/L	8/13/2019	23:03
Trichlorofluoromethane	< 2.00	ug/L	8/13/2019	23:03
Vinyl chloride	< 2.00	ug/L	8/13/2019	23:03

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	111	73.4 - 131		8/13/2019 23:03
4-Bromofluorobenzene	92.1	57.2 - 129		8/13/2019 23:03
Pentafluorobenzene	93.4	87 - 112		8/13/2019 23:03
Toluene-D8	94.2	78.3 - 115		8/13/2019 23:03

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x63551.D

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Mercury	< 0.000200	mg/L		8/12/2019 07:54

Method Reference(s): EPA 7470A

Preparation Date: 8/9/2019

Data File: Hg190812A

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	< 0.100	mg/L		8/14/2019 13:08
Antimony	< 0.0600	mg/L		8/14/2019 13:08
Arsenic	< 0.0100	mg/L		8/14/2019 13:08
Barium	0.155	mg/L		8/14/2019 13:08
Beryllium	< 0.00500	mg/L		8/14/2019 13:08
Cadmium	< 0.00500	mg/L		8/14/2019 13:08
Calcium	132	mg/L		8/14/2019 13:08
Chromium	< 0.0100	mg/L		8/14/2019 13:08
Cobalt	< 0.0500	mg/L		8/14/2019 13:08
Copper	< 0.0400	mg/L		8/14/2019 13:08
Iron	< 0.100	mg/L		8/15/2019 07:34
Lead	< 0.0100	mg/L		8/14/2019 13:08
Magnesium	24.8	mg/L	M	8/14/2019 13:08
Manganese	0.138	mg/L		8/14/2019 13:08
Nickel	< 0.0400	mg/L		8/14/2019 13:08
Potassium	7.41	mg/L	M	8/14/2019 13:08
Selenium	< 0.0200	mg/L		8/14/2019 13:08
Silver	< 0.0100	mg/L		8/14/2019 13:08
Sodium	154	mg/L		8/14/2019 13:08
Thallium	< 0.0250	mg/L		8/14/2019 13:08
Vanadium	< 0.0250	mg/L		8/14/2019 13:08
Zinc	< 0.0600	mg/L		8/14/2019 13:08

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Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 8/8/2019

Data File: 190814B

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 1.00	ug/L		8/8/2019 13:45
PCB-1221	< 1.00	ug/L		8/8/2019 13:45
PCB-1232	< 1.00	ug/L		8/8/2019 13:45
PCB-1242	< 1.00	ug/L		8/8/2019 13:45
PCB-1248	< 1.00	ug/L		8/8/2019 13:45
PCB-1254	< 1.00	ug/L		8/8/2019 13:45
PCB-1260	< 1.00	ug/L		8/8/2019 13:45
PCB-1262	< 1.00	ug/L		8/8/2019 13:45
PCB-1268	< 1.00	ug/L		8/8/2019 13:45

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	42.6	11.7 - 95.6		8/8/2019 13:45

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 8/8/2019

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		8/12/2019 17:29
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		8/12/2019 17:29
1,2,4-Trichlorobenzene	< 10.0	ug/L		8/12/2019 17:29
1,2-Dichlorobenzene	< 10.0	ug/L		8/12/2019 17:29
1,3-Dichlorobenzene	< 10.0	ug/L		8/12/2019 17:29
1,4-Dichlorobenzene	< 10.0	ug/L		8/12/2019 17:29
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		8/12/2019 17:29
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		8/12/2019 17:29
2,4,5-Trichlorophenol	< 20.0	ug/L		8/12/2019 17:29
2,4,6-Trichlorophenol	< 10.0	ug/L		8/12/2019 17:29
2,4-Dichlorophenol	< 10.0	ug/L		8/12/2019 17:29
2,4-Dimethylphenol	< 20.0	ug/L		8/12/2019 17:29
2,4-Dinitrophenol	< 20.0	ug/L		8/12/2019 17:29
2,4-Dinitrotoluene	< 10.0	ug/L		8/12/2019 17:29
2,6-Dinitrotoluene	< 10.0	ug/L		8/12/2019 17:29
2-Chloronaphthalene	< 10.0	ug/L		8/12/2019 17:29
2-Chlorophenol	< 10.0	ug/L		8/12/2019 17:29
2-Methylnaphthalene	< 10.0	ug/L		8/12/2019 17:29
2-Methylphenol	< 10.0	ug/L		8/12/2019 17:29
2-Nitroaniline	< 20.0	ug/L		8/12/2019 17:29
2-Nitrophenol	< 10.0	ug/L		8/12/2019 17:29
3&4-Methylphenol	< 10.0	ug/L		8/12/2019 17:29
3,3'-Dichlorobenzidine	< 10.0	ug/L		8/12/2019 17:29

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-D1			
Lab Sample ID:	193780-02		Date Sampled:	8/7/2019
Matrix:	Groundwater		Date Received:	8/7/2019
<hr/>				
3-Nitroaniline	< 20.0	ug/L	8/12/2019	17:29
4,6-Dinitro-2-methylphenol	< 20.0	ug/L	8/12/2019	17:29
4-Bromophenyl phenyl ether	< 10.0	ug/L	8/12/2019	17:29
4-Chloro-3-methylphenol	< 10.0	ug/L	8/12/2019	17:29
4-Chloroaniline	< 10.0	ug/L	8/12/2019	17:29
4-Chlorophenyl phenyl ether	< 10.0	ug/L	8/12/2019	17:29
4-Nitroaniline	< 20.0	ug/L	8/12/2019	17:29
4-Nitrophenol	< 20.0	ug/L	8/12/2019	17:29
Acenaphthene	< 10.0	ug/L	8/12/2019	17:29
Acenaphthylene	< 10.0	ug/L	8/12/2019	17:29
Acetophenone	< 10.0	ug/L	8/12/2019	17:29
Anthracene	< 10.0	ug/L	8/12/2019	17:29
Atrazine	< 10.0	ug/L	8/12/2019	17:29
Benzaldehyde	< 10.0	ug/L	8/12/2019	17:29
Benzo (a) anthracene	< 10.0	ug/L	8/12/2019	17:29
Benzo (a) pyrene	< 10.0	ug/L	8/12/2019	17:29
Benzo (b) fluoranthene	< 10.0	ug/L	8/12/2019	17:29
Benzo (g,h,i) perylene	< 10.0	ug/L	8/12/2019	17:29
Benzo (k) fluoranthene	< 10.0	ug/L	8/12/2019	17:29
Bis (2-chloroethoxy) methane	< 10.0	ug/L	8/12/2019	17:29
Bis (2-chloroethyl) ether	< 10.0	ug/L	8/12/2019	17:29
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L	8/12/2019	17:29
Butylbenzylphthalate	< 10.0	ug/L	8/12/2019	17:29
Caprolactam	< 10.0	ug/L	8/12/2019	17:29
Carbazole	< 10.0	ug/L	8/12/2019	17:29

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-D1			
Lab Sample ID:	193780-02		Date Sampled:	8/7/2019
Matrix:	Groundwater		Date Received:	8/7/2019

Chrysene	< 10.0	ug/L	8/12/2019	17:29
Dibenz (a,h) anthracene	< 10.0	ug/L	8/12/2019	17:29
Dibenzofuran	< 10.0	ug/L	8/12/2019	17:29
Diethyl phthalate	51.7	ug/L	8/12/2019	17:29
Dimethyl phthalate	< 20.0	ug/L	8/12/2019	17:29
Di-n-butyl phthalate	< 10.0	ug/L	8/12/2019	17:29
Di-n-octylphthalate	< 10.0	ug/L	8/12/2019	17:29
Fluoranthene	< 10.0	ug/L	8/12/2019	17:29
Fluorene	< 10.0	ug/L	8/12/2019	17:29
Hexachlorobenzene	< 10.0	ug/L	8/12/2019	17:29
Hexachlorobutadiene	< 10.0	ug/L	8/12/2019	17:29
Hexachlorocyclopentadiene	< 10.0	ug/L	8/12/2019	17:29
Hexachloroethane	< 10.0	ug/L	8/12/2019	17:29
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L	8/12/2019	17:29
Isophorone	< 10.0	ug/L	8/12/2019	17:29
Naphthalene	< 10.0	ug/L	8/12/2019	17:29
Nitrobenzene	< 10.0	ug/L	8/12/2019	17:29
N-Nitroso-di-n-propylamine	< 10.0	ug/L	8/12/2019	17:29
N-Nitrosodiphenylamine	< 10.0	ug/L	8/12/2019	17:29
Pentachlorophenol	< 20.0	ug/L	8/12/2019	17:29
Phenanthrene	< 10.0	ug/L	8/12/2019	17:29
Phenol	< 10.0	ug/L	8/12/2019	17:29
Pyrene	< 10.0	ug/L	8/12/2019	17:29

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	72.4	54.2 - 126		8/12/2019 17:29
2-Fluorobiphenyl	43.0	37.6 - 102		8/12/2019 17:29
2-Fluorophenol	40.1	15.1 - 106		8/12/2019 17:29
Nitrobenzene-d5	60.5	53.3 - 103		8/12/2019 17:29
Phenol-d5	26.8	10 - 108		8/12/2019 17:29
Terphenyl-d14	65.3	61.8 - 114		8/12/2019 17:29

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 8/12/2019

Data File: B39914.D

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		8/13/2019 23:25
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		8/13/2019 23:25
1,1,2-Trichloroethane	< 2.00	ug/L		8/13/2019 23:25
1,1-Dichloroethane	< 2.00	ug/L		8/13/2019 23:25
1,1-Dichloroethene	< 2.00	ug/L		8/13/2019 23:25
1,2,3-Trichlorobenzene	< 5.00	ug/L		8/13/2019 23:25
1,2,4-Trichlorobenzene	< 5.00	ug/L		8/13/2019 23:25
1,2,4-Trimethylbenzene	< 2.00	ug/L		8/13/2019 23:25
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		8/13/2019 23:25
1,2-Dibromoethane	< 2.00	ug/L		8/13/2019 23:25
1,2-Dichlorobenzene	< 2.00	ug/L		8/13/2019 23:25
1,2-Dichloroethane	< 2.00	ug/L		8/13/2019 23:25
1,2-Dichloropropane	< 2.00	ug/L		8/13/2019 23:25
1,3,5-Trimethylbenzene	< 2.00	ug/L		8/13/2019 23:25
1,3-Dichlorobenzene	< 2.00	ug/L		8/13/2019 23:25
1,4-Dichlorobenzene	< 2.00	ug/L		8/13/2019 23:25
1,4-Dioxane	< 20.0	ug/L		8/13/2019 23:25
2-Butanone	< 10.0	ug/L		8/13/2019 23:25
2-Hexanone	< 5.00	ug/L		8/13/2019 23:25
4-Methyl-2-pentanone	< 5.00	ug/L		8/13/2019 23:25
Acetone	< 10.0	ug/L		8/13/2019 23:25
Benzene	< 1.00	ug/L		8/13/2019 23:25
Bromochloromethane	< 5.00	ug/L		8/13/2019 23:25

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Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

Bromodichloromethane	< 2.00	ug/L	8/13/2019 23:25
Bromoform	< 5.00	ug/L	8/13/2019 23:25
Bromomethane	< 2.00	ug/L	8/13/2019 23:25
Carbon disulfide	< 2.00	ug/L	8/13/2019 23:25
Carbon Tetrachloride	< 2.00	ug/L	8/13/2019 23:25
Chlorobenzene	< 2.00	ug/L	8/13/2019 23:25
Chloroethane	< 2.00	ug/L	8/13/2019 23:25
Chloroform	< 2.00	ug/L	8/13/2019 23:25
Chloromethane	< 2.00	ug/L	8/13/2019 23:25
cis-1,2-Dichloroethene	< 2.00	ug/L	8/13/2019 23:25
cis-1,3-Dichloropropene	< 2.00	ug/L	8/13/2019 23:25
Cyclohexane	< 10.0	ug/L	8/13/2019 23:25
Dibromochloromethane	< 2.00	ug/L	8/13/2019 23:25
Dichlorodifluoromethane	< 2.00	ug/L	8/13/2019 23:25
Ethylbenzene	< 2.00	ug/L	8/13/2019 23:25
Freon 113	< 2.00	ug/L	8/13/2019 23:25
Isopropylbenzene	< 2.00	ug/L	8/13/2019 23:25
m,p-Xylene	< 2.00	ug/L	8/13/2019 23:25
Methyl acetate	< 2.00	ug/L	8/13/2019 23:25
Methyl tert-butyl Ether	< 2.00	ug/L	8/13/2019 23:25
Methylcyclohexane	< 2.00	ug/L	8/13/2019 23:25
Methylene chloride	< 5.00	ug/L	8/13/2019 23:25
Naphthalene	< 5.00	ug/L	8/13/2019 23:25
n-Butylbenzene	< 2.00	ug/L	8/13/2019 23:25
n-Propylbenzene	< 2.00	ug/L	8/13/2019 23:25

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193780

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D1

Lab Sample ID: 193780-02

Date Sampled: 8/7/2019

Matrix: Groundwater

Date Received: 8/7/2019

o-Xylene	< 2.00	ug/L	8/13/2019	23:25
p-Isopropyltoluene	< 2.00	ug/L	8/13/2019	23:25
sec-Butylbenzene	< 2.00	ug/L	8/13/2019	23:25
Styrene	< 5.00	ug/L	8/13/2019	23:25
tert-Butylbenzene	< 2.00	ug/L	8/13/2019	23:25
Tetrachloroethene	< 2.00	ug/L	8/13/2019	23:25
Toluene	< 2.00	ug/L	8/13/2019	23:25
trans-1,2-Dichloroethene	< 2.00	ug/L	8/13/2019	23:25
trans-1,3-Dichloropropene	< 2.00	ug/L	8/13/2019	23:25
Trichloroethene	< 2.00	ug/L	8/13/2019	23:25
Trichlorofluoromethane	< 2.00	ug/L	8/13/2019	23:25
Vinyl chloride	< 2.00	ug/L	8/13/2019	23:25

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	116	73.4 - 131		8/13/2019 23:25
4-Bromofluorobenzene	94.1	57.2 - 129		8/13/2019 23:25
Pentafluorobenzene	89.2	87 - 112		8/13/2019 23:25
Toluene-D8	96.2	78.3 - 115		8/13/2019 23:25

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x63552.D

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Report Prepared Thursday, August 15, 2019



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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CHAIN OF CUSTODY



REPORT TO:		INVOICE TO:	
CLIENT: <i>RAL</i>	CLIENT:	LAB PROJECT ID	<i>19378D</i>
ADDRESS:	ADDRESS:	Quotation #:	
CITY:	CITY:	STATE:	ZIP:
STATE:	STATE:	ZIP:	
ZIP:	ZIP:		
PHONE:	PHONE:	Email:	<i>lizcan@routemg.com</i>
ATTN: <i>Pea Morton</i>	ATTN:		<i>prubin@routemg.com</i>
PROJECT REFERENCE: <i>101-113 Franklin St</i>		Matrix Codes:	
		AQ - Aqueous Liquid	WA - Water
		NA - Non-Aqueous Liquid	WG - Groundwater
		DW - Drinking Water	SO - Soil
		WW - Wastewater	SL - Sludge
		SD - Solid	PT - Paint
		WP - Wipe	CK - Caulk
		OL - Oil	AR - Air

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GARB	SAMPLE IDENTIFIER	MCAOTDRIS	CONCENTRATIONS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>8/7/19</i>	<i>1015</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>MW-D2</i>	<i>WQ</i>	<i>4</i>	<i>REL CASI Vol</i>		<i>01</i>
<i>8/7/19</i>	<i>1345</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>MW-D1</i>	<i>WQ</i>	<i>5</i>	<i>REL SWA</i>		<i>02</i>
							<i>TAL Metals</i>		
							<i>RBS</i>		

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input checked="" type="checkbox"/>	None Required <input type="checkbox"/>
10 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input checked="" type="checkbox"/>
Rush 1 day <input type="checkbox"/>	NYSDEC EDD <input checked="" type="checkbox"/>
Date Needed _____	Other <input type="checkbox"/>
Other EDD <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Sampled By: *Lynn Zeman* Date/Time: *8/7/19*

Relinquished By: *Lynn Zeman* Date/Time: *8/7/19 1455*

Received By: *Franklynd* Date/Time: *8/7/19 1500*

Received @ Lab By: _____ Date/Time: _____

Total Cost: _____

12' civil standard in field

8/7/19 1456 necessity seals client returned

MLP/MLD

102

2072



Chain of Custody Supplement

Client: Ravi Completed by: Molly Paul
 Lab Project ID: 193780 Date: 8/7/19

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<u>12°C ice started in field</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>metals not in certified bottle</u>		



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D3

Lab Sample ID: 193851-01

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		8/14/2019 22:38
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		8/14/2019 22:38
1,2,4-Trichlorobenzene	< 10.0	ug/L		8/14/2019 22:38
1,2-Dichlorobenzene	< 10.0	ug/L		8/14/2019 22:38
1,3-Dichlorobenzene	< 10.0	ug/L		8/14/2019 22:38
1,4-Dichlorobenzene	< 10.0	ug/L		8/14/2019 22:38
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		8/14/2019 22:38
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		8/14/2019 22:38
2,4,5-Trichlorophenol	< 20.0	ug/L		8/14/2019 22:38
2,4,6-Trichlorophenol	< 10.0	ug/L		8/14/2019 22:38
2,4-Dichlorophenol	< 10.0	ug/L		8/14/2019 22:38
2,4-Dimethylphenol	< 20.0	ug/L		8/14/2019 22:38
2,4-Dinitrophenol	< 20.0	ug/L		8/14/2019 22:38
2,4-Dinitrotoluene	< 10.0	ug/L		8/14/2019 22:38
2,6-Dinitrotoluene	< 10.0	ug/L		8/14/2019 22:38
2-Chloronaphthalene	< 10.0	ug/L		8/14/2019 22:38
2-Chlorophenol	< 10.0	ug/L		8/14/2019 22:38
2-Methylnaphthalene	< 10.0	ug/L		8/14/2019 22:38
2-Methylphenol	< 10.0	ug/L		8/14/2019 22:38
2-Nitroaniline	< 20.0	ug/L		8/14/2019 22:38
2-Nitrophenol	< 10.0	ug/L		8/14/2019 22:38
3&4-Methylphenol	< 10.0	ug/L		8/14/2019 22:38
3,3'-Dichlorobenzidine	< 10.0	ug/L		8/14/2019 22:38

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-D3			
Lab Sample ID:	193851-01		Date Sampled:	8/8/2019
Matrix:	Groundwater		Date Received:	8/9/2019
3-Nitroaniline	< 20.0	ug/L		8/14/2019 22:38
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		8/14/2019 22:38
4-Bromophenyl phenyl ether	< 10.0	ug/L		8/14/2019 22:38
4-Chloro-3-methylphenol	< 10.0	ug/L		8/14/2019 22:38
4-Chloroaniline	< 10.0	ug/L		8/14/2019 22:38
4-Chlorophenyl phenyl ether	< 10.0	ug/L		8/14/2019 22:38
4-Nitroaniline	< 20.0	ug/L		8/14/2019 22:38
4-Nitrophenol	< 20.0	ug/L		8/14/2019 22:38
Acenaphthene	< 10.0	ug/L		8/14/2019 22:38
Acenaphthylene	< 10.0	ug/L		8/14/2019 22:38
Acetophenone	< 10.0	ug/L		8/14/2019 22:38
Anthracene	< 10.0	ug/L		8/14/2019 22:38
Atrazine	< 10.0	ug/L		8/14/2019 22:38
Benzaldehyde	< 10.0	ug/L		8/14/2019 22:38
Benzo (a) anthracene	< 10.0	ug/L		8/14/2019 22:38
Benzo (a) pyrene	< 10.0	ug/L		8/14/2019 22:38
Benzo (b) fluoranthene	< 10.0	ug/L		8/14/2019 22:38
Benzo (g,h,i) perylene	< 10.0	ug/L		8/14/2019 22:38
Benzo (k) fluoranthene	< 10.0	ug/L		8/14/2019 22:38
Bis (2-chloroethoxy) methane	< 10.0	ug/L		8/14/2019 22:38
Bis (2-chloroethyl) ether	< 10.0	ug/L		8/14/2019 22:38
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L		8/14/2019 22:38
Butylbenzylphthalate	< 10.0	ug/L		8/14/2019 22:38
Caprolactam	< 10.0	ug/L		8/14/2019 22:38
Carbazole	< 10.0	ug/L		8/14/2019 22:38

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-D3			
Lab Sample ID:	193851-01		Date Sampled:	8/8/2019
Matrix:	Groundwater		Date Received:	8/9/2019
Chrysene	< 10.0	ug/L		8/14/2019 22:38
Dibenz (a,h) anthracene	< 10.0	ug/L		8/14/2019 22:38
Dibenzofuran	< 10.0	ug/L		8/14/2019 22:38
Diethyl phthalate	31.4	ug/L		8/14/2019 22:38
Dimethyl phthalate	< 20.0	ug/L		8/14/2019 22:38
Di-n-butyl phthalate	< 10.0	ug/L		8/14/2019 22:38
Di-n-octylphthalate	< 10.0	ug/L		8/14/2019 22:38
Fluoranthene	< 10.0	ug/L		8/14/2019 22:38
Fluorene	< 10.0	ug/L		8/14/2019 22:38
Hexachlorobenzene	< 10.0	ug/L		8/14/2019 22:38
Hexachlorobutadiene	< 10.0	ug/L		8/14/2019 22:38
Hexachlorocyclopentadiene	< 10.0	ug/L		8/14/2019 22:38
Hexachloroethane	< 10.0	ug/L		8/14/2019 22:38
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		8/14/2019 22:38
Isophorone	< 10.0	ug/L		8/14/2019 22:38
Naphthalene	< 10.0	ug/L		8/14/2019 22:38
Nitrobenzene	< 10.0	ug/L		8/14/2019 22:38
N-Nitroso-di-n-propylamine	< 10.0	ug/L		8/14/2019 22:38
N-Nitrosodiphenylamine	< 10.0	ug/L		8/14/2019 22:38
Pentachlorophenol	< 20.0	ug/L		8/14/2019 22:38
Phenanthrene	< 10.0	ug/L		8/14/2019 22:38
Phenol	< 10.0	ug/L		8/14/2019 22:38
Pyrene	< 10.0	ug/L		8/14/2019 22:38

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D3

Lab Sample ID: 193851-01

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	75.1	54.2 - 126		8/14/2019 22:38
2-Fluorobiphenyl	52.1	37.6 - 102		8/14/2019 22:38
2-Fluorophenol	38.4	15.1 - 106		8/14/2019 22:38
Nitrobenzene-d5	59.4	53.3 - 103		8/14/2019 22:38
Phenol-d5	26.6	10 - 108		8/14/2019 22:38
Terphenyl-d14	68.3	61.8 - 114		8/14/2019 22:38

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 8/13/2019

Data File: B39986.D

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D3

Lab Sample ID: 193851-01

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		8/14/2019 20:44
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		8/14/2019 20:44
1,1,2-Trichloroethane	< 2.00	ug/L		8/14/2019 20:44
1,1-Dichloroethane	< 2.00	ug/L		8/14/2019 20:44
1,1-Dichloroethene	< 2.00	ug/L		8/14/2019 20:44
1,2,3-Trichlorobenzene	< 5.00	ug/L		8/14/2019 20:44
1,2,4-Trichlorobenzene	< 5.00	ug/L		8/14/2019 20:44
1,2,4-Trimethylbenzene	< 2.00	ug/L		8/14/2019 20:44
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		8/14/2019 20:44
1,2-Dibromoethane	< 2.00	ug/L		8/14/2019 20:44
1,2-Dichlorobenzene	< 2.00	ug/L		8/14/2019 20:44
1,2-Dichloroethane	< 2.00	ug/L		8/14/2019 20:44
1,2-Dichloropropane	< 2.00	ug/L		8/14/2019 20:44
1,3,5-Trimethylbenzene	< 2.00	ug/L		8/14/2019 20:44
1,3-Dichlorobenzene	< 2.00	ug/L		8/14/2019 20:44
1,4-Dichlorobenzene	< 2.00	ug/L		8/14/2019 20:44
1,4-Dioxane	< 20.0	ug/L		8/14/2019 20:44
2-Butanone	< 10.0	ug/L		8/14/2019 20:44
2-Hexanone	< 5.00	ug/L		8/14/2019 20:44
4-Methyl-2-pentanone	< 5.00	ug/L		8/14/2019 20:44
Acetone	< 10.0	ug/L		8/14/2019 20:44
Benzene	< 1.00	ug/L		8/14/2019 20:44
Bromochloromethane	< 5.00	ug/L		8/14/2019 20:44

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D3

Lab Sample ID: 193851-01

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Bromodichloromethane	< 2.00	ug/L	8/14/2019 20:44
Bromoform	< 5.00	ug/L	8/14/2019 20:44
Bromomethane	< 2.00	ug/L	8/14/2019 20:44
Carbon disulfide	< 2.00	ug/L	8/14/2019 20:44
Carbon Tetrachloride	< 2.00	ug/L	8/14/2019 20:44
Chlorobenzene	< 2.00	ug/L	8/14/2019 20:44
Chloroethane	< 2.00	ug/L	8/14/2019 20:44
Chloroform	< 2.00	ug/L	8/14/2019 20:44
Chloromethane	< 2.00	ug/L	8/14/2019 20:44
cis-1,2-Dichloroethene	< 2.00	ug/L	8/14/2019 20:44
cis-1,3-Dichloropropene	< 2.00	ug/L	8/14/2019 20:44
Cyclohexane	< 10.0	ug/L	8/14/2019 20:44
Dibromochloromethane	< 2.00	ug/L	8/14/2019 20:44
Dichlorodifluoromethane	< 2.00	ug/L	8/14/2019 20:44
Ethylbenzene	< 2.00	ug/L	8/14/2019 20:44
Freon 113	< 2.00	ug/L	8/14/2019 20:44
Isopropylbenzene	< 2.00	ug/L	8/14/2019 20:44
m,p-Xylene	< 2.00	ug/L	8/14/2019 20:44
Methyl acetate	< 2.00	ug/L	8/14/2019 20:44
Methyl tert-butyl Ether	< 2.00	ug/L	8/14/2019 20:44
Methylcyclohexane	< 2.00	ug/L	8/14/2019 20:44
Methylene chloride	< 5.00	ug/L	8/14/2019 20:44
Naphthalene	< 5.00	ug/L	8/14/2019 20:44
n-Butylbenzene	< 2.00	ug/L	8/14/2019 20:44
n-Propylbenzene	< 2.00	ug/L	8/14/2019 20:44

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D3

Lab Sample ID: 193851-01

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

o-Xylene	< 2.00	ug/L	8/14/2019 20:44
p-Isopropyltoluene	< 2.00	ug/L	8/14/2019 20:44
sec-Butylbenzene	< 2.00	ug/L	8/14/2019 20:44
Styrene	< 5.00	ug/L	8/14/2019 20:44
tert-Butylbenzene	< 2.00	ug/L	8/14/2019 20:44
Tetrachloroethene	< 2.00	ug/L	8/14/2019 20:44
Toluene	< 2.00	ug/L	8/14/2019 20:44
trans-1,2-Dichloroethene	< 2.00	ug/L	8/14/2019 20:44
trans-1,3-Dichloropropene	< 2.00	ug/L	8/14/2019 20:44
Trichloroethene	< 2.00	ug/L	8/14/2019 20:44
Trichlorofluoromethane	< 2.00	ug/L	8/14/2019 20:44
Vinyl chloride	< 2.00	ug/L	8/14/2019 20:44

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	110	73.4 - 131		8/14/2019 20:44
4-Bromofluorobenzene	106	57.2 - 129		8/14/2019 20:44
Pentafluorobenzene	88.4	87 - 112		8/14/2019 20:44
Toluene-D8	104	78.3 - 115		8/14/2019 20:44

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x63594.D

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 1.00	ug/L		8/15/2019 00:54
PCB-1221	< 1.00	ug/L		8/15/2019 00:54
PCB-1232	< 1.00	ug/L		8/15/2019 00:54
PCB-1242	< 1.00	ug/L		8/15/2019 00:54
PCB-1248	< 1.00	ug/L		8/15/2019 00:54
PCB-1254	< 1.00	ug/L		8/15/2019 00:54
PCB-1260	< 1.00	ug/L		8/15/2019 00:54
PCB-1262	< 1.00	ug/L		8/15/2019 00:54
PCB-1268	< 1.00	ug/L		8/15/2019 00:54

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	50.8	11.7 - 95.6		8/15/2019 00:54

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 8/13/2019

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		8/14/2019 23:06
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		8/14/2019 23:06
1,2,4-Trichlorobenzene	< 10.0	ug/L		8/14/2019 23:06
1,2-Dichlorobenzene	< 10.0	ug/L		8/14/2019 23:06
1,3-Dichlorobenzene	< 10.0	ug/L		8/14/2019 23:06
1,4-Dichlorobenzene	< 10.0	ug/L		8/14/2019 23:06
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		8/14/2019 23:06
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		8/14/2019 23:06
2,4,5-Trichlorophenol	< 20.0	ug/L		8/14/2019 23:06
2,4,6-Trichlorophenol	< 10.0	ug/L		8/14/2019 23:06
2,4-Dichlorophenol	< 10.0	ug/L		8/14/2019 23:06
2,4-Dimethylphenol	< 20.0	ug/L		8/14/2019 23:06
2,4-Dinitrophenol	< 20.0	ug/L		8/14/2019 23:06
2,4-Dinitrotoluene	< 10.0	ug/L		8/14/2019 23:06
2,6-Dinitrotoluene	< 10.0	ug/L		8/14/2019 23:06
2-Chloronaphthalene	< 10.0	ug/L		8/14/2019 23:06
2-Chlorophenol	< 10.0	ug/L		8/14/2019 23:06
2-Methylnaphthalene	< 10.0	ug/L		8/14/2019 23:06
2-Methylphenol	< 10.0	ug/L		8/14/2019 23:06
2-Nitroaniline	< 20.0	ug/L		8/14/2019 23:06
2-Nitrophenol	< 10.0	ug/L		8/14/2019 23:06
3&4-Methylphenol	< 10.0	ug/L		8/14/2019 23:06
3,3'-Dichlorobenzidine	< 10.0	ug/L		8/14/2019 23:06

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

3-Nitroaniline	< 20.0	ug/L	8/14/2019 23:06
4,6-Dinitro-2-methylphenol	< 20.0	ug/L	8/14/2019 23:06
4-Bromophenyl phenyl ether	< 10.0	ug/L	8/14/2019 23:06
4-Chloro-3-methylphenol	< 10.0	ug/L	8/14/2019 23:06
4-Chloroaniline	< 10.0	ug/L	8/14/2019 23:06
4-Chlorophenyl phenyl ether	< 10.0	ug/L	8/14/2019 23:06
4-Nitroaniline	< 20.0	ug/L	8/14/2019 23:06
4-Nitrophenol	< 20.0	ug/L	8/14/2019 23:06
Acenaphthene	< 10.0	ug/L	8/14/2019 23:06
Acenaphthylene	< 10.0	ug/L	8/14/2019 23:06
Acetophenone	< 10.0	ug/L	8/14/2019 23:06
Anthracene	< 10.0	ug/L	8/14/2019 23:06
Atrazine	< 10.0	ug/L	8/14/2019 23:06
Benzaldehyde	< 10.0	ug/L	8/14/2019 23:06
Benzo (a) anthracene	< 10.0	ug/L	8/14/2019 23:06
Benzo (a) pyrene	< 10.0	ug/L	8/14/2019 23:06
Benzo (b) fluoranthene	< 10.0	ug/L	8/14/2019 23:06
Benzo (g,h,i) perylene	< 10.0	ug/L	8/14/2019 23:06
Benzo (k) fluoranthene	< 10.0	ug/L	8/14/2019 23:06
Bis (2-chloroethoxy) methane	< 10.0	ug/L	8/14/2019 23:06
Bis (2-chloroethyl) ether	< 10.0	ug/L	8/14/2019 23:06
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L	8/14/2019 23:06
Butylbenzylphthalate	< 10.0	ug/L	8/14/2019 23:06
Caprolactam	< 10.0	ug/L	8/14/2019 23:06
Carbazole	< 10.0	ug/L	8/14/2019 23:06

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Chrysene	< 10.0	ug/L	8/14/2019 23:06
Dibenz (a,h) anthracene	< 10.0	ug/L	8/14/2019 23:06
Dibenzofuran	< 10.0	ug/L	8/14/2019 23:06
Diethyl phthalate	23.2	ug/L	8/14/2019 23:06
Dimethyl phthalate	< 20.0	ug/L	8/14/2019 23:06
Di-n-butyl phthalate	< 10.0	ug/L	8/14/2019 23:06
Di-n-octylphthalate	< 10.0	ug/L	8/14/2019 23:06
Fluoranthene	< 10.0	ug/L	8/14/2019 23:06
Fluorene	< 10.0	ug/L	8/14/2019 23:06
Hexachlorobenzene	< 10.0	ug/L	8/14/2019 23:06
Hexachlorobutadiene	< 10.0	ug/L	8/14/2019 23:06
Hexachlorocyclopentadiene	< 10.0	ug/L	8/14/2019 23:06
Hexachloroethane	< 10.0	ug/L	8/14/2019 23:06
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L	8/14/2019 23:06
Isophorone	< 10.0	ug/L	8/14/2019 23:06
Naphthalene	< 10.0	ug/L	8/14/2019 23:06
Nitrobenzene	< 10.0	ug/L	8/14/2019 23:06
N-Nitroso-di-n-propylamine	< 10.0	ug/L	8/14/2019 23:06
N-Nitrosodiphenylamine	< 10.0	ug/L	8/14/2019 23:06
Pentachlorophenol	< 20.0	ug/L	8/14/2019 23:06
Phenanthrene	< 10.0	ug/L	8/14/2019 23:06
Phenol	< 10.0	ug/L	8/14/2019 23:06
Pyrene	< 10.0	ug/L	8/14/2019 23:06

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	76.2	54.2 - 126		8/14/2019 23:06
2-Fluorobiphenyl	51.1	37.6 - 102		8/14/2019 23:06
2-Fluorophenol	37.5	15.1 - 106		8/14/2019 23:06
Nitrobenzene-d5	60.6	53.3 - 103		8/14/2019 23:06
Phenol-d5	26.1	10 - 108		8/14/2019 23:06
Terphenyl-d14	68.6	61.8 - 114		8/14/2019 23:06

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 8/13/2019

Data File: B39987.D

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		8/14/2019 21:06
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		8/14/2019 21:06
1,1,2-Trichloroethane	< 2.00	ug/L		8/14/2019 21:06
1,1-Dichloroethane	< 2.00	ug/L		8/14/2019 21:06
1,1-Dichloroethene	< 2.00	ug/L		8/14/2019 21:06
1,2,3-Trichlorobenzene	< 5.00	ug/L		8/14/2019 21:06
1,2,4-Trichlorobenzene	< 5.00	ug/L		8/14/2019 21:06
1,2,4-Trimethylbenzene	< 2.00	ug/L		8/14/2019 21:06
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		8/14/2019 21:06
1,2-Dibromoethane	< 2.00	ug/L		8/14/2019 21:06
1,2-Dichlorobenzene	< 2.00	ug/L		8/14/2019 21:06
1,2-Dichloroethane	< 2.00	ug/L		8/14/2019 21:06
1,2-Dichloropropane	< 2.00	ug/L		8/14/2019 21:06
1,3,5-Trimethylbenzene	< 2.00	ug/L		8/14/2019 21:06
1,3-Dichlorobenzene	< 2.00	ug/L		8/14/2019 21:06
1,4-Dichlorobenzene	< 2.00	ug/L		8/14/2019 21:06
1,4-Dioxane	< 20.0	ug/L		8/14/2019 21:06
2-Butanone	< 10.0	ug/L		8/14/2019 21:06
2-Hexanone	< 5.00	ug/L		8/14/2019 21:06
4-Methyl-2-pentanone	< 5.00	ug/L		8/14/2019 21:06
Acetone	< 10.0	ug/L		8/14/2019 21:06
Benzene	< 1.00	ug/L		8/14/2019 21:06
Bromochloromethane	< 5.00	ug/L		8/14/2019 21:06

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Bromodichloromethane	< 2.00	ug/L	8/14/2019 21:06
Bromoform	< 5.00	ug/L	8/14/2019 21:06
Bromomethane	< 2.00	ug/L	8/14/2019 21:06
Carbon disulfide	< 2.00	ug/L	8/14/2019 21:06
Carbon Tetrachloride	< 2.00	ug/L	8/14/2019 21:06
Chlorobenzene	< 2.00	ug/L	8/14/2019 21:06
Chloroethane	< 2.00	ug/L	8/14/2019 21:06
Chloroform	< 2.00	ug/L	8/14/2019 21:06
Chloromethane	< 2.00	ug/L	8/14/2019 21:06
cis-1,2-Dichloroethene	< 2.00	ug/L	8/14/2019 21:06
cis-1,3-Dichloropropene	< 2.00	ug/L	8/14/2019 21:06
Cyclohexane	< 10.0	ug/L	8/14/2019 21:06
Dibromochloromethane	< 2.00	ug/L	8/14/2019 21:06
Dichlorodifluoromethane	< 2.00	ug/L	8/14/2019 21:06
Ethylbenzene	< 2.00	ug/L	8/14/2019 21:06
Freon 113	< 2.00	ug/L	8/14/2019 21:06
Isopropylbenzene	< 2.00	ug/L	8/14/2019 21:06
m,p-Xylene	< 2.00	ug/L	8/14/2019 21:06
Methyl acetate	< 2.00	ug/L	8/14/2019 21:06
Methyl tert-butyl Ether	< 2.00	ug/L	8/14/2019 21:06
Methylcyclohexane	< 2.00	ug/L	8/14/2019 21:06
Methylene chloride	< 5.00	ug/L	8/14/2019 21:06
Naphthalene	< 5.00	ug/L	8/14/2019 21:06
n-Butylbenzene	< 2.00	ug/L	8/14/2019 21:06
n-Propylbenzene	< 2.00	ug/L	8/14/2019 21:06

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D5

Lab Sample ID: 193851-02

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

o-Xylene	< 2.00	ug/L	8/14/2019	21:06
p-Isopropyltoluene	< 2.00	ug/L	8/14/2019	21:06
sec-Butylbenzene	< 2.00	ug/L	8/14/2019	21:06
Styrene	< 5.00	ug/L	8/14/2019	21:06
tert-Butylbenzene	< 2.00	ug/L	8/14/2019	21:06
Tetrachloroethene	< 2.00	ug/L	8/14/2019	21:06
Toluene	< 2.00	ug/L	8/14/2019	21:06
trans-1,2-Dichloroethene	< 2.00	ug/L	8/14/2019	21:06
trans-1,3-Dichloropropene	< 2.00	ug/L	8/14/2019	21:06
Trichloroethene	< 2.00	ug/L	8/14/2019	21:06
Trichlorofluoromethane	< 2.00	ug/L	8/14/2019	21:06
Vinyl chloride	< 2.00	ug/L	8/14/2019	21:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	112	73.4 - 131		8/14/2019 21:06
4-Bromofluorobenzene	104	57.2 - 129		8/14/2019 21:06
Pentafluorobenzene	90.0	87 - 112		8/14/2019 21:06
Toluene-D8	102	78.3 - 115		8/14/2019 21:06

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x63595.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D4

Lab Sample ID: 193851-03

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		8/14/2019 23:35
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		8/14/2019 23:35
1,2,4-Trichlorobenzene	< 10.0	ug/L		8/14/2019 23:35
1,2-Dichlorobenzene	< 10.0	ug/L		8/14/2019 23:35
1,3-Dichlorobenzene	< 10.0	ug/L		8/14/2019 23:35
1,4-Dichlorobenzene	< 10.0	ug/L		8/14/2019 23:35
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		8/14/2019 23:35
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		8/14/2019 23:35
2,4,5-Trichlorophenol	< 20.0	ug/L		8/14/2019 23:35
2,4,6-Trichlorophenol	< 10.0	ug/L		8/14/2019 23:35
2,4-Dichlorophenol	< 10.0	ug/L		8/14/2019 23:35
2,4-Dimethylphenol	< 20.0	ug/L		8/14/2019 23:35
2,4-Dinitrophenol	< 20.0	ug/L		8/14/2019 23:35
2,4-Dinitrotoluene	< 10.0	ug/L		8/14/2019 23:35
2,6-Dinitrotoluene	< 10.0	ug/L		8/14/2019 23:35
2-Chloronaphthalene	< 10.0	ug/L		8/14/2019 23:35
2-Chlorophenol	< 10.0	ug/L		8/14/2019 23:35
2-Methylnaphthalene	< 10.0	ug/L		8/14/2019 23:35
2-Methylphenol	< 10.0	ug/L		8/14/2019 23:35
2-Nitroaniline	< 20.0	ug/L		8/14/2019 23:35
2-Nitrophenol	< 10.0	ug/L		8/14/2019 23:35
3&4-Methylphenol	< 10.0	ug/L		8/14/2019 23:35
3,3'-Dichlorobenzidine	< 10.0	ug/L		8/14/2019 23:35

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-D4			
Lab Sample ID:	193851-03		Date Sampled:	8/8/2019
Matrix:	Groundwater		Date Received:	8/9/2019
3-Nitroaniline	< 20.0	ug/L		8/14/2019 23:35
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		8/14/2019 23:35
4-Bromophenyl phenyl ether	< 10.0	ug/L		8/14/2019 23:35
4-Chloro-3-methylphenol	< 10.0	ug/L		8/14/2019 23:35
4-Chloroaniline	< 10.0	ug/L		8/14/2019 23:35
4-Chlorophenyl phenyl ether	< 10.0	ug/L		8/14/2019 23:35
4-Nitroaniline	< 20.0	ug/L		8/14/2019 23:35
4-Nitrophenol	< 20.0	ug/L		8/14/2019 23:35
Acenaphthene	< 10.0	ug/L		8/14/2019 23:35
Acenaphthylene	< 10.0	ug/L		8/14/2019 23:35
Acetophenone	< 10.0	ug/L		8/14/2019 23:35
Anthracene	< 10.0	ug/L		8/14/2019 23:35
Atrazine	< 10.0	ug/L		8/14/2019 23:35
Benzaldehyde	< 10.0	ug/L		8/14/2019 23:35
Benzo (a) anthracene	< 10.0	ug/L		8/14/2019 23:35
Benzo (a) pyrene	< 10.0	ug/L		8/14/2019 23:35
Benzo (b) fluoranthene	< 10.0	ug/L		8/14/2019 23:35
Benzo (g,h,i) perylene	< 10.0	ug/L		8/14/2019 23:35
Benzo (k) fluoranthene	< 10.0	ug/L		8/14/2019 23:35
Bis (2-chloroethoxy) methane	< 10.0	ug/L		8/14/2019 23:35
Bis (2-chloroethyl) ether	< 10.0	ug/L		8/14/2019 23:35
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L		8/14/2019 23:35
Butylbenzylphthalate	< 10.0	ug/L		8/14/2019 23:35
Caprolactam	< 10.0	ug/L		8/14/2019 23:35
Carbazole	< 10.0	ug/L		8/14/2019 23:35

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier:	MW-D4			
Lab Sample ID:	193851-03		Date Sampled:	8/8/2019
Matrix:	Groundwater		Date Received:	8/9/2019
Chrysene	< 10.0	ug/L	8/14/2019	23:35
Dibenz (a,h) anthracene	< 10.0	ug/L	8/14/2019	23:35
Dibenzofuran	< 10.0	ug/L	8/14/2019	23:35
Diethyl phthalate	22.9	ug/L	8/14/2019	23:35
Dimethyl phthalate	< 20.0	ug/L	8/14/2019	23:35
Di-n-butyl phthalate	< 10.0	ug/L	8/14/2019	23:35
Di-n-octylphthalate	< 10.0	ug/L	8/14/2019	23:35
Fluoranthene	< 10.0	ug/L	8/14/2019	23:35
Fluorene	< 10.0	ug/L	8/14/2019	23:35
Hexachlorobenzene	< 10.0	ug/L	8/14/2019	23:35
Hexachlorobutadiene	< 10.0	ug/L	8/14/2019	23:35
Hexachlorocyclopentadiene	< 10.0	ug/L	8/14/2019	23:35
Hexachloroethane	< 10.0	ug/L	8/14/2019	23:35
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L	8/14/2019	23:35
Isophorone	< 10.0	ug/L	8/14/2019	23:35
Naphthalene	< 10.0	ug/L	8/14/2019	23:35
Nitrobenzene	< 10.0	ug/L	8/14/2019	23:35
N-Nitroso-di-n-propylamine	< 10.0	ug/L	8/14/2019	23:35
N-Nitrosodiphenylamine	< 10.0	ug/L	8/14/2019	23:35
Pentachlorophenol	< 20.0	ug/L	8/14/2019	23:35
Phenanthrene	< 10.0	ug/L	8/14/2019	23:35
Phenol	< 10.0	ug/L	8/14/2019	23:35
Pyrene	< 10.0	ug/L	8/14/2019	23:35

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D4

Lab Sample ID: 193851-03

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	75.4	54.2 - 126		8/14/2019	23:35
2-Fluorobiphenyl	50.8	37.6 - 102		8/14/2019	23:35
2-Fluorophenol	39.2	15.1 - 106		8/14/2019	23:35
Nitrobenzene-d5	61.9	53.3 - 103		8/14/2019	23:35
Phenol-d5	27.3	10 - 108		8/14/2019	23:35
Terphenyl-d14	67.0	61.8 - 114		8/14/2019	23:35

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 8/13/2019

Data File: B39988.D

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D4

Lab Sample ID: 193851-03

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		8/14/2019 21:28
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		8/14/2019 21:28
1,1,2-Trichloroethane	< 2.00	ug/L		8/14/2019 21:28
1,1-Dichloroethane	< 2.00	ug/L		8/14/2019 21:28
1,1-Dichloroethene	< 2.00	ug/L		8/14/2019 21:28
1,2,3-Trichlorobenzene	< 5.00	ug/L		8/14/2019 21:28
1,2,4-Trichlorobenzene	< 5.00	ug/L		8/14/2019 21:28
1,2,4-Trimethylbenzene	< 2.00	ug/L		8/14/2019 21:28
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		8/14/2019 21:28
1,2-Dibromoethane	< 2.00	ug/L		8/14/2019 21:28
1,2-Dichlorobenzene	< 2.00	ug/L		8/14/2019 21:28
1,2-Dichloroethane	< 2.00	ug/L		8/14/2019 21:28
1,2-Dichloropropane	< 2.00	ug/L		8/14/2019 21:28
1,3,5-Trimethylbenzene	< 2.00	ug/L		8/14/2019 21:28
1,3-Dichlorobenzene	< 2.00	ug/L		8/14/2019 21:28
1,4-Dichlorobenzene	< 2.00	ug/L		8/14/2019 21:28
1,4-Dioxane	< 20.0	ug/L		8/14/2019 21:28
2-Butanone	< 10.0	ug/L		8/14/2019 21:28
2-Hexanone	< 5.00	ug/L		8/14/2019 21:28
4-Methyl-2-pentanone	< 5.00	ug/L		8/14/2019 21:28
Acetone	< 10.0	ug/L		8/14/2019 21:28
Benzene	< 1.00	ug/L		8/14/2019 21:28
Bromochloromethane	< 5.00	ug/L		8/14/2019 21:28

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D4

Lab Sample ID: 193851-03

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

Bromodichloromethane	< 2.00	ug/L	8/14/2019 21:28
Bromoform	< 5.00	ug/L	8/14/2019 21:28
Bromomethane	< 2.00	ug/L	8/14/2019 21:28
Carbon disulfide	< 2.00	ug/L	8/14/2019 21:28
Carbon Tetrachloride	< 2.00	ug/L	8/14/2019 21:28
Chlorobenzene	< 2.00	ug/L	8/14/2019 21:28
Chloroethane	< 2.00	ug/L	8/14/2019 21:28
Chloroform	< 2.00	ug/L	8/14/2019 21:28
Chloromethane	< 2.00	ug/L	8/14/2019 21:28
cis-1,2-Dichloroethene	< 2.00	ug/L	8/14/2019 21:28
cis-1,3-Dichloropropene	< 2.00	ug/L	8/14/2019 21:28
Cyclohexane	< 10.0	ug/L	8/14/2019 21:28
Dibromochloromethane	< 2.00	ug/L	8/14/2019 21:28
Dichlorodifluoromethane	< 2.00	ug/L	8/14/2019 21:28
Ethylbenzene	< 2.00	ug/L	8/14/2019 21:28
Freon 113	< 2.00	ug/L	8/14/2019 21:28
Isopropylbenzene	< 2.00	ug/L	8/14/2019 21:28
m,p-Xylene	< 2.00	ug/L	8/14/2019 21:28
Methyl acetate	< 2.00	ug/L	8/14/2019 21:28
Methyl tert-butyl Ether	< 2.00	ug/L	8/14/2019 21:28
Methylcyclohexane	< 2.00	ug/L	8/14/2019 21:28
Methylene chloride	< 5.00	ug/L	8/14/2019 21:28
Naphthalene	< 5.00	ug/L	8/14/2019 21:28
n-Butylbenzene	< 2.00	ug/L	8/14/2019 21:28
n-Propylbenzene	< 2.00	ug/L	8/14/2019 21:28

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Report Prepared Thursday, August 15, 2019



Lab Project ID: 193851

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 101-113 Franklin St

Sample Identifier: MW-D4

Lab Sample ID: 193851-03

Date Sampled: 8/8/2019

Matrix: Groundwater

Date Received: 8/9/2019

o-Xylene	< 2.00	ug/L	8/14/2019 21:28
p-Isopropyltoluene	< 2.00	ug/L	8/14/2019 21:28
sec-Butylbenzene	< 2.00	ug/L	8/14/2019 21:28
Styrene	< 5.00	ug/L	8/14/2019 21:28
tert-Butylbenzene	< 2.00	ug/L	8/14/2019 21:28
Tetrachloroethene	< 2.00	ug/L	8/14/2019 21:28
Toluene	< 2.00	ug/L	8/14/2019 21:28
trans-1,2-Dichloroethene	< 2.00	ug/L	8/14/2019 21:28
trans-1,3-Dichloropropene	< 2.00	ug/L	8/14/2019 21:28
Trichloroethene	< 2.00	ug/L	8/14/2019 21:28
Trichlorofluoromethane	< 2.00	ug/L	8/14/2019 21:28
Vinyl chloride	< 2.00	ug/L	8/14/2019 21:28

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	109	73.4 - 131		8/14/2019 21:28
4-Bromofluorobenzene	103	57.2 - 129		8/14/2019 21:28
Pentafluorobenzene	89.4	87 - 112		8/14/2019 21:28
Toluene-D8	100	78.3 - 115		8/14/2019 21:28

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x63596.D

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Report Prepared Thursday, August 15, 2019



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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2012



Chain of Custody Supplement

Client: Ravi Completed by: Molykail
 Lab Project ID: 193851 Date: 8/9/19

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>15.5°C, iced started in field</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>01, 02, 03 PCB SVOA CO V01</u>		



APPENDIX 5

Ravi Engineering and Land Surveying, P.C.
Preliminary Geotechnical Investigation

September 10, 2019

City of Rochester
Division of Environmental Quality
City Hall, Room 300B
30 Church Street
Rochester, New York 14614

Attention: Dennis Peck

Subject: Preliminary Geotechnical Engineering Investigation
101-113 Franklin Street and 106 Pleasant Street
Rochester, New York

Readers:

This report presents the results of a preliminary geotechnical engineering investigation for the site identified above. The work was performed in conjunction with a Phase II Environmental Site Assessment, which was also performed by Ravi Engineering & Land Surveying, P.C.

It is understood that the future use of the site has not yet been determined.

SUBSURFACE EXPLORATIONS

Subsurface explorations for this investigation consisted of nine test pits, 21 environmental probes (Geoprobes), and five conventional test borings. Microwells were installed at five of the probe locations. Monitoring wells were installed at all five of the conventional test boring locations.

The nine test pits were identified as TP-1 through TP-9, and were performed on 7/11/19.

The 21 probes were identified as BH-1 through BH-21, and were performed on 7/17/19 and 7/18/19. Microwells were installed at the locations of BH-9, BH-11, BH-15, BH-20, and BH-21.

The conventional test borings were identified as BH-22 through BH-26, and were performed between 7/24/19 and 7/26/19. As noted above, monitoring wells were installed at all five locations.

A plan showing the locations of all of the explorations is presented as Attachment A.

The logs of all of the explorations were prepared by Ravi Engineering & Land Surveying, P.C. These logs are presented as Attachment B.

COMMENTS ON SUBSURFACE CONDITIONS

Many of the subsurface explorations encountered random fill materials, to depths as great as approximately 10 feet below the ground surface. Greater depths of random fill may be present at other locations. It is likely that the greatest amounts of random fill exist within the outlines of former basements and underground tanks.

As previously noted, this preliminary geotechnical engineering investigation was performed in conjunction with a Phase II Environmental Site Assessment, which was also performed by Ravi Engineering & Land Surveying, P.C.

In general, soils at the east end of the site were found to consist of varying amounts of brick and rock rubble intermixed with loamy fill soils from zero to 10 feet below ground surface, with native soils encountered at a typical depth of 5 feet below ground surface across the site. The brick and stone rubble that is predominant throughout the eastern portion of the site is absent in borings advanced on the west side of the site, with the exception of a small amount of brick rubble at shallow depths near the northwest portion of the site. Typical soils in the west portion of the site consist of sandy loam and silty fine sand.

If fill material is disturbed during redevelopment activities, it may not be acceptable for re-use on the site and will likely need to be handled/disposed of as a regulated solid waste. This could have significant cost implications for future development.

The encountered natural soils contain varying amounts of silt, sand, and gravel. Lesser amounts of clay were also noted.

Bedrock was not core sampled at any of the exploration locations. It appears likely, however, that the depth to bedrock ranges from roughly 15 to 30 feet below the ground surface.

The depths to groundwater, in the five monitoring wells, were measured on 8/7/19 and 8/8/19. These measurements indicated depths to groundwater of approximately 13 to 18 feet below the ground surface.

It should be noted that groundwater levels will vary with factors including location, time, precipitation, season, and site activities.

More detailed descriptions of the subsurface conditions, as encountered by the subsurface explorations, are provided on the logs in Attachment B.

PRELIMINARY COMMENTS ON DESIGN AND CONSTRUCTION

General

All design and construction should meet or exceed the requirements of all applicable codes.

With regard to the International Building Code, it currently appears that a seismic Site Class of “D” will be applicable to this site. This corresponds to a “Stiff soil profile.”

Conventional Footing Foundation Option

It currently appears that conventional footings are one foundation option. Preliminary recommendations are as follows:

- No topsoil, organic matter, existing pavement, existing fill, existing utilities, remnant foundations, remnant floor slabs, or other unsuitable materials should be left in place below a footing.
- Footings should bear on stable natural soil, or on compacted granular fill.
- Any granular fill below a footing should be placed directly on stable natural soil. The granular fill should extend laterally beyond each edge of the footing, a distance at least as great as the vertical thickness of granular fill below the footing.
- Individual column footings could be sized using a preliminary bearing pressure of 2,000 pounds per square foot or less, and should in no case be less than 36 inches wide.
- Continuous wall footings could be sized using a preliminary bearing pressure of 2,000 pounds per square foot or less, and should in no case be less than 24 inches wide.
- Footings should be seated at least 2 feet below the lowest adjacent final surface, and at least 4 feet below the lowest adjacent final surface exposed to freezing temperatures.

It should be noted that the bearing pressure above is preliminary, and that this pressure may be revised on the basis of additional subsurface explorations.

Given the presence of random fill materials, it currently appears that conventional footing foundations would be well suited to structures having basements.

Drilled Pier (Caisson) Foundation Option

It currently appears that drilled piers (caissons) are another foundation option. Preliminary recommendations are as follows:

- Drilled piers should bear directly on sound bedrock, below any severely weathered or fractured zones.
- Drilled piers could be sized using a preliminary bearing pressure of 30,000 pounds per square foot or less, and should in no case be less than 2.5 feet in diameter..
- The bearing surface below each pier should be relatively level, with a slope no steeper than 1 vertical on 10 horizontal.
- Exterior grade beams between drilled piers should be seated at least 4 feet below final adjacent exterior grade.

It should be noted that the bearing pressure above is preliminary, and that this pressure may be revised on the basis of additional subsurface explorations.

Given the presence of random fill materials, it currently appears that drilled pier foundations would be well suited to structures without basements.

Floor Slabs on Grade

Complete removal of the existing random fill materials, below new floor slabs on grade, may not be necessary. This would depend on additional evaluations, on environmental acceptability, on exposure and examination during construction, and on the anticipated floor loads and usage requirements. For typically moderate floor loads and normal usage requirements, it is likely that at least some of the existing fill could be left in place.

If unusually heavy floor loads are anticipated, however, or if the use of the floors would be unusually sensitive to settlement, complete removal of the fill should be considered.

It currently appears that a subgrade modulus (K) of 75 pounds per cubic inch would be appropriate for the design of floor slabs on grade.

For a structure supported on drilled pier foundations, and not having a basement, consideration could also be given to a structural floor.

Basement Walls

All earth-retaining walls should be designed and constructed to meet or exceed applicable code requirements, and to resist lateral movement. Any wall subjected to unbalanced lateral earth pressures will serve as an earth-retaining structure.

The backfill materials, any surcharge loads, and any sloping ground surfaces should all be considered.

Drained, unsaturated conditions should be maintained within the backfill.

Pavement

It appears that conventional pavement design and construction will be feasible.

For auto parking areas, a preliminary minimum flexible pavement section would consist of a 1-inch asphaltic top course, a 2-inch asphaltic binder course, and a 12-inch course of compacted granular fill.

For areas subjected to more frequent and/or heavier vehicles, the minimum combined thickness of asphaltic top and binder courses would be increased to 5 inches. The minimum thickness of the granular subbase would be increased to 16 inches.

It currently appears that a subgrade modulus (K) of 75 pounds per cubic inch would be appropriate for the design of rigid (concrete) pavement.

Depending on environmental acceptability, it appears that most of the existing random fill materials could be left in place below new paved areas.

Utilities

It appears that conventional utility construction will generally be feasible.

At some locations, excessively weak and/or compressible random fill materials may be present. This may require undercutting of the trench bottom, and the placement of increased thicknesses of better-quality material.

Excavation, Construction Dewatering, and Subgrade Preparation

Excavation should be performed in accordance with all applicable local, state, and federal requirements. The sides of all excavations should be sloped or supported as required by safety regulations. Existing structures, utilities, and other property should be protected.

With regard to the current OSHA regulations, Type C soil should be assumed. This would apply to adequately dewatered soil.

To minimize subgrade disturbance, excavation should be performed with increasing care as subgrade levels are approached.

All work should be performed in the dry. In addition, the dewatering should be sufficient to permit suitable preparation of the subgrade and compaction of any subsequent fill materials.

The contractor should be prepared to dewater as necessary, and should choose and employ an appropriate type of dewatering system. Any dewatering system should be operated in such a way that disturbance or removal of the subgrade soil does not occur.

It is cautioned that the soils at this site contain fine-grained material, and that they will be sensitive to disturbance. Subgrades should be kept free of water, subjected to a minimum amount of construction traffic, exposed no longer than necessary, and not permitted to freeze.

Subgrades should be carefully prepared and thoroughly examined by qualified personnel. Subgrades should also be tamped using vibratory equipment, to the greatest extent possible without loosening or softening the subgrade soils. Where space permits, subgrades should be proofrolled using a fully-loaded ten-wheel dump truck or full-size (ten-ton or larger) roller.

No new fill or foundation concrete should be placed over material that is loose, soft, wet, frozen, organic, or otherwise unsuitable.

Granular Fill and Backfill

Granular fill should consist of a durable sand and gravel or crusher-run stone, free of any organic matter. The plasticity index should be less than 5. It should meet the NYSDOT requirements for Subbase Course; 304-2.02; Type 1, 2, or 4.

Granular fill should be compacted, in lifts of 9 inches or less, to at least 95 percent of the maximum dry density determined by ASTM D 1557.

CLOSING COMMENTS

Professional services for this investigation were performed in accordance with generally accepted geotechnical engineering practices, exclusively for the subject project. No warranty, expressed or implied, is made.

Subsurface conditions are inferred from the logs of subsurface explorations. Conditions between, beyond, and below these explorations are likely to vary. It should also be noted that subsurface conditions are often described on the basis of visual examinations of recovered samples, that these visual descriptions may not always agree well with descriptions made on the basis of laboratory tests, and that the distinction between fill and naturally-deposited soil can not always be readily determined on the basis of recovered samples. If subsurface conditions are subsequently revealed that appear to be significantly different or less favorable than those described, we should be given the opportunity to revise the statements in this report.

This report is preliminary. As more information becomes available, and as the project proceeds toward final design and construction, additional geotechnical evaluations will be necessary. These additional evaluations are likely to include subsurface explorations, laboratory testing, and engineering analyses. The preliminary information in this report can be refined, expanded, and presented in a design-level report.

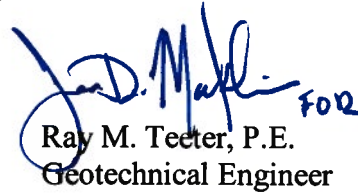
If you have questions or comments regarding this report, please contact the undersigned.

Yours truly,

RAVI ENGINEERING & LAND SURVEYING, P.C.



Nagappa Ravindra, P.E.
President



Ray M. Teeter, P.E.
Geotechnical Engineer

Attachments: Attachment A – Location Plan

Attachment B – Logs of Subsurface Explorations

Attachment A

Location Plan



<p>City of Rochester Phase II Environmental Site Assessment</p>	<p>Project No. 4318179 C</p>	<p>Figure No: 1</p>
<p>Figure 1: Location Map 101-113 Franklin Street and 106 Pleasant Street</p>		
<p>RAVI ENGINEERING & LAND SURVEYING, P.C. 2110 S. CLINTON AVENUE, SUITE 1 ROCHESTER, NEW YORK 14618 TL: (585) 223-3660 FX: (585) 697-1764</p>		<p>Scale: NTS</p> <p>Date: August 2019</p>

Attachment B

Logs of Subsurface Explorations




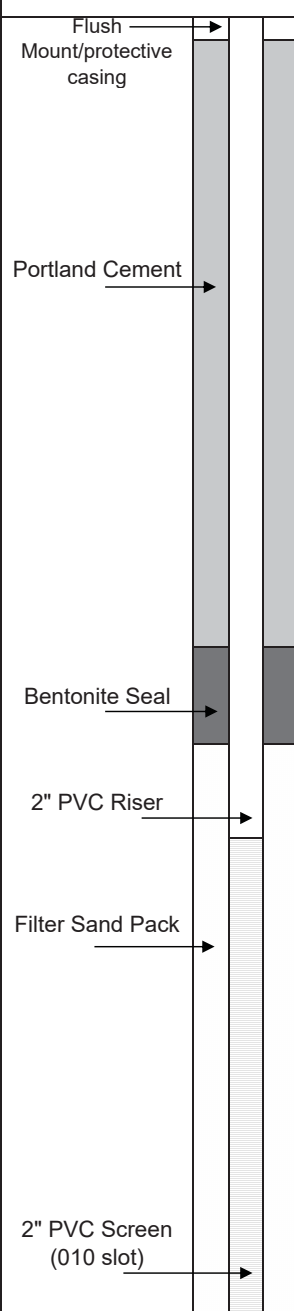
101-113 Franklin Street 106 Pleasant Street		BORING BH-22 MW-D1	
PROJECT # 4318179C CHKD. BY:		EAST CENTRAL BOUNDARY LINE	
CONTRACTOR: Nature's Way DRILLER: Steve/Nate RE&LS PERSONNEL: L.Zicari		GROUND SURFACE ELEVATION: N/A DATE: 7/24/2019	
TYPE OF DRILL RIG: Drill Rig		WATER LEVEL DATA	
CASING SIZE AND TYPE:		DATE	TIME
OVERBURDEN SAMPLING METHOD: Split Spoon		8/7/2019	14.27
ROCK DRILLING METHOD: NA		WATER	CASING
			REMARKS

P T H	Sample Data					RECOVERY (%)	REMARKS	PID (ppm)	Well Construction
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)					
1									Flush Mount/protective casing
2									
3									Portland Cement
4									
5	2				50%	Moist, dense, gray clayey silt with orange/brown mottles grading to brown and loose.	0.0		Bentonite Seal
6	3								
7	5								
8	12	1	4-6	8					2" PVC Riser
9									
10									
11	3				50%	Moist, brown silty f sand, tr clay, some gravel	0.1		Filter Sand Pack
12	6								
13	5								
14	5	2	9-11	11					
15									
16	6				50%	Moist, dense, tan silt, some gravel (till)	0.0		2" PVC Screen (010 slot)
17	15								
18	26								
19	29	3	14-16	41					
20	50/1	4	16-16.5						
21									
22									
23									
24									
25									
26									

LEGEND
 S- Surficial Soil Sample
 SS Subsurface Soil Sample

GENERAL NOTES:
 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
 bgs = below ground surface
 ppm = parts per million


BORING # B22


		101-113 Franklin Street 106 Pleasant Street		BORING BH-23 MW-D2					
CONTRACTOR: Nature's Way DRILLER: Steve/Nate RE&LS PERSONNEL: L.Zicari		BORING LOCATION: EAST CENTRAL BOUNDARY LINE GROUND SURFACE ELEVATION: N/A DATE: 7/24/2019		PROJECT #: 4318179C CHKD. BY:					
TYPE OF DRILL RIG: Drill Rig		WATER LEVEL DATA							
CASING SIZE AND TYPE:		DATE	TIME	WATER	CASING			REMARKS	
OVERBURDEN SAMPLING METHOD: Split spoon		8/7/2019		13.3					
ROCK DRILLING METHOD: NA									
P	Sample Data					PID (ppm)			
T	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)				
H									
1									
2									
3									
4									
5	6								
6	15				80%	Moist, loose, brown silty f sand, tr. Clay, some gravel			
7	17								
8	17	1	4-6	32		0.4			
9									
10									
11	6								
12	14				75%	Moist, loose, brown silty f sand, some gravel. Dense from 10'-11'			
13	16								
14	17	2	9-11	30		0.2			
15									
16									
17									
18									
19	10								
20	25				65%	Moist, dense, brown silty f sand, some gravel. Very dense at 15'. Wet at 16'			
21	33								
22	26	3	14-16	58		0.2			
23									
24									
25									
26	18								
27	15				75%	Wet, very dense, brown grading to gray, silty f sand, some gravel to 20'. Saturated, gray very dense silt, tr fine gravel, tr f sand from 20.5'-21'			
28	50/5	4	19-20.5	65		0.2			
29									
30									
31									
32									
33									
34									
35									
36	10								
37	27				60%	Saturated, loose, gray coarse sand over saturated medium dense/grading to loose, gray silty f sand			
38	49								
39	50/5	5	24-26	76		0.1			
40									
41									
42									
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LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

Refusal 27.0'
SS-23 collected at 19'

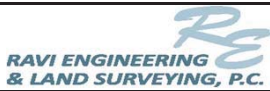
GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

		101-113 Franklin Street 106 Pleasant Street		BORING BH-24 MW-D3				
CONTRACTOR: Nature's Way		BORING LOCATION: EAST CENTRAL BOUNDARY LINE		PROJECT # 4318179C				
DRILLER: Steve/Nate		GROUND SURFACE ELEVATION: N/A		CHKD. BY:				
RE&LS PERSONNEL: L. Zicari		DATE: 7/24/2019						
TYPE OF DRILL RIG: Drill Rig		WATER LEVEL DATA						
CASING SIZE AND TYPE:		DATE	TIME	WATER	CASING	REMARKS		
OVERBURDEN SAMPLING METHOD: Split spoon		8/8/2019		14.49				
ROCK DRILLING METHOD: NA								
P	Sample Data						PID	
T	BLOW	NO.	DEPTH	N-VALUE	RECOVERY	(ppm)		
H	/6"		(FT.)	/RQD(%)	(%)			
1								
2								
3								
4								
5	1				20%	0.3		
6	1							
7	1							
8	0	1	4-6	2				
9								
10	4							
11	13				20%	0.1		
12	13							
13	10	2	9-11	26				
14								
15	4							
16	9				75%	0.1		
17	11							
18	12	3	14-16	20				
19	4							
20	10				50%	0.1		
21	22							
22	29	4	16-18	32				
23	29							
24	22				60%	0.1		
25	24							
26	27	5	18-20	46				
27	10							
28	25				30%	0.2		
29	31	6	20-22	56				
30	29					4.9		
31	50/5	7	22-22.5	-				
32								
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LEGEND S- Surficial Soil Sample SS Subsurface Soil Sample								
GENERAL NOTES: 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million								
						BORING #	B24	

		101-113 Franklin Street 106 Pleasant Street		BORING BH-25 MW-D4			
CONTRACTOR: Nature's Way		BORING LOCATION: EAST CENTRAL BOUNDARY LINE		PROJECT #: 4318179C			
DRILLER: Steve/Nate		GROUND SURFACE ELEVATION: N/A		CHKD. BY:			
RE&LS PERSONNEL: L.Zicari		DATE: 7/25/2019					
TYPE OF DRILL RIG: Drill Rig		WATER LEVEL DATA					
CASING SIZE AND TYPE:		DATE	TIME	WATER	CASING	REMARKS	
OVERBURDEN SAMPLING METHOD: Split spoon		8/8/2019		16.4			
ROCK DRILLING METHOD: NA							
P T H	Sample Data					PID (ppm)	Well Construction
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	--					0.0	Flush Mount/protective casing
	7				75%		
2	14						Portland Cement
	12	1	0-2	21		0.2	
3	10				40%		Fill: Crushed/weathered brick and stone
	5						
4	3						Fill consisting of intermixed soils and debris (glass, concrete)
	4	2	2-4	8		0.1	
5	7				25%		Moist, soft, light brown clay loam (fill)
	9						
6	3						Moist, soft, light brown, silty f sand, tr clay, tr fine gravel
	3	3	4-6	12		0.0	
7	2				65%		Bentonite Seal
	2						
8	3						2" PVC Riser
	3	4	6-8	5		0.0	
9	4				50%		Filter Sand Pack
	16						
10	14	5	8-10	20			2" PVC Screen (010 slot)
	7						
11	9				50%		Moist, dense, silty f sand, some gravel. Wet at 13.5'.
	14					0.0	
12	16	6	10-12	23			Moist, very dense, light brown grading to tan, silty f sand, some gravel
	14						
13	5				70%		Coarse gravel
	9						
14	8	7	12-14	14			Moist, very dense, tan, silty f sand, tr coarse sand/fine gravel
	3					0.1	
15	6				75%		Saturated, silty fmc sand and fmc gravel
	7						
16	10	8	14-16	13			Moist, tan silt, fmc sand and fine gravel. Saturated at 25'
	3					0.1	
17	9				70%		Refusal 25.5' SS-25 collected from 21.5'-22'
	9						
18	13	9	16-18	18			
19	7				75%		
20	21						
21	31						
22	43	10	18-20	52			
23	9						
24	27				75%		
25	32						
26	31	11	20-22	59			
27	16				50%		
	20						
	21						
	27	12	22-26	41			
	7						
	33				75%		
	50/4	13	24-25	>50			
26							
27							
<p>LEGEND</p> <p>S- Surficial Soil Sample SS Subsurface Soil Sample</p> <p>GENERAL NOTES:</p> <p>1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million</p>							
						BORING #	B25

		Street 106 Pleasant Street		BORING BH-26 MW-D5					
CONTRACTOR: Nature's Way				PROJECT #: 4318179C					
DRILLER: Steve/Nate				CHKD. BY:					
RE&LS PERSONNEL: L.Zicari				BORING LOCATION: EAST CENTRAL BOUNDARY LINE		GROUND SURFACE ELEVATION: N/A			
				DATE: 7/26/2019					
TYPE OF DRILL RIG: Drill Rig				WATER LEVEL DATA					
CASING SIZE AND TYPE:				DATE	TIME	WATER	CASING	REMARKS	
OVERBURDEN SAMPLING ME: Split spoon				8/8/2019		18.32			
ROCK DRILLING METHOD: NA									
P	Sample Data							PID (ppm)	
T	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)			Well Construction	
H									
1	3				75%	8" topsoil over 4' concrete		0.0	
	7								
	7								
2	9	1	0-2	14	75%	Dry, loose, dark brown sandy loam. Brick fragments and rock from 3'-3.25'		0.0	
	8								
	11								
3	9				75%				
	9								
	3								
4	9	2	2-4	20	75%				
	10								
	16								
5	20	3	4-6	26	75%	Dry, med dense/soft dark brown loam, some gravel		0.0	
6	8								
	15								
7	21				75%				
	24	4	6-8	36					
	9								
8	15				75%				
	19								
	22	5	8-10	34					
9	7				60%	Dry, dense/stiff dark brown loam, some gravel		0.0	
10	18								
	21								
11	21	6	10-12	34	60%				
	4								
	11								
12	13				60%				
	16	7	12-14	24					
	3								
13	7				60%	Moist, dense, light brown, silty f sand, some gravel		0.0	
	14								
	19	8	14-16	23					
14	7				60%				
	18								
	24								
15	26	9	16-18	42	60%	Saturated, dense, light brown silty f sand		0.0	
16	17								
	28								
17	32				50%	Wet, dense, light brown, silty f sand		0.0	
18	10								
	27								
19	50/5	11	20-21.5	72	40%				
20	12								
	36								
21	33				40%				
	34	12	22-24	69					
	18								
22	50/5	13	24-25	-	40%	Saturated, dense, fmc sand, fmc gravel		0.0	
23									
24									
25									
26									
27									

LEGEND S- Surficial Soil Sample SS Subsurface Soil Sample	
GENERAL NOTES: 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	
BORING # B26	



101-113 Franklin Street
106 Pleasant Street

BORING BH-21
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: EAST CENTRAL BOUNDARY LINE
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

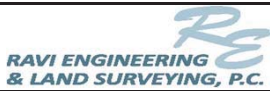
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data					REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						Asphalt and weathered asphalt over 4" dark gray clayey fill grading to brown clay loam (fill)	0.0
2							
3							
4							
5							
6							
7							
8						Moist, loose, silty f sand, grading to dense. Saturated at 8'-8.5	0.0
9							
10							
11							
12							
13							
14							
15						Refusal 13.5'	
16						SS-21 collected from 8'-8.5	
17						Microwell MW-3 installed	
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-20
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: SOUTH OF HISTORIC GAS TANKS
GROUND SURFACE ELEVATION: N/A
DATE: 7/18/2019

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

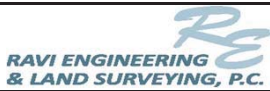
WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS

P T H	Sample Data					REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						Asphalt	0.0
2					75%	Moist, dense, silty f. sand, tr clay, more dense from 5'-12'	0.8
3							
4							
5							
6					75%		
7							
8							
9							
10					75%		
11							
12							
13					75%		
14						Moist, dense light brown silty f sand tr gravel	
15						Refusal @ 14.2'	
16						Microwell MW-1 installed	
17						SS-20 collected at 5'-6'	
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street
BORING BH-19
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari
BORING LOCATION: SOUTHWEST CORNER OF PROPERTY
GROUND SURFACE ELEVATION: N/A
DATE: 7/18/2019

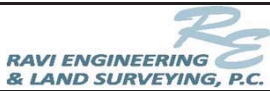
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1						topsoil	0.0
2					80%	Loose, moist, light brown sandy loam (appears to be reworked native soil)	0.0
3							
4							
5					85%	Dense, moist, tan silty f sand	0.0
6							
7							
8							
9					95%	Loose, dry, tan silty f sand	0.0
10							
11							
12						Dense, moist, tan silty f sand	0.0
13						End of boring @ 12'	
14						SS-19 collected from 4'-5'	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-18
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: WEST BOUNDARY LINE
GROUND SURFACE ELEVATION: N/A
DATE: 7/18/2019

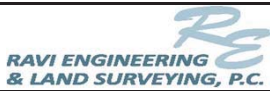
TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

P T H	Sample Data					REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						Topsoil	0.0
2						Loose, moist, light brown, sandy loam, tr gravel, grading to silty f sand. Appears to be reworked native soil.	0.0
3							
4							
5							
6							
7						Dense, moist tan silt (till), tr gravel	0.9
8							
9							
10							
11						End of boring @ 12'	
12						SS-18 collected at 3'-4'	
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-17
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: SOUTHERN AREA OF GRASSY LOT
GROUND SURFACE ELEVATION: N/A
DATE: 7/18/2019

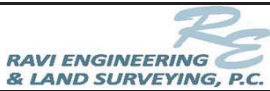
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					90%	Topsoil	0.0
2						Loose, black loam	0.9
3					95%	Loose, dry, tan silty f sand, tr clay with orange mottles	0.7
4							
5						Dry, loose, light brown silty f sand	
6							
7					95%	Dry, dense light brown silty f sand	
8							
9						Moist, dense, light brown silty f sand, grading to wet.	
10							
11					End of boring @ 12'		
12					SS-17 collected at 11.5'-12'		
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-16
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: WEST BOUNDARY LINE
GROUND SURFACE ELEVATION: N/A
DATE: 7/18/2019

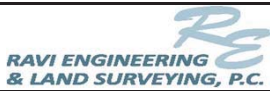
TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					90%	6" topsoil	0.0
2						Loose, dry, light brown sandy loam	0.0
3						Dense, dry, tan sandy loam	0.0
4					95%	Loose, slightly moist, silty f sand	0.0
5							
6						95%	Dense, moist, light brown, silty loam (till)
7					Loose, moist, light brown, silty loam (till)		0.0
8							
9					95%	Dense, moist silt (till)	0.0
10							
11						End of boring @ 12" SS-16 collected at 3'-4'	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-15
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: CENTER OF GRASSY FIELD
GROUND SURFACE ELEVATION: N/A
DATE: 7/18/2019

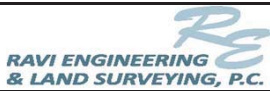
TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

P T H	Sample Data					REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						8" topsoil over dry, loose, dark brown sandy loam	0.1
2					90%	Dry, dense, light brown silty f sand	0.0
3							
4							
5							
6					90%	Very dense, dry, light brown silty f. sand, moist at 10'-10.5'	0.0
7							
8							
9							
10					90%		0.0
11						Refusal @ 10.5"	
12						Microwell MW-2 Installed	
13						SS-15 collected at 4'	
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street
BORING BH-14
PROJECT #: 4318179C
CHKD. BY:

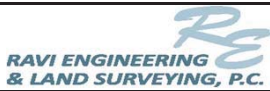
CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari
BORING LOCATION: NORTHWEST BOUDARY LINE
GROUND SURFACE ELEVATION: N/A
DATE: 7/18/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)	
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)				
1					75%	4" topsoil over loose fill consisting of brick and sand (fill)	0.0	
2						Loose, dry, light brown loam, tr. brick fragments (fill)	0.0	
3							95%	Dry, dense, light brown silty f sand, moist at 11.5'-12'
4								
5								
6								
7								
8								
9					90%	End of boring @ 12'		
10								
11								
12								
13					SS-14 collected at 3.5'-4'			
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-13
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: NORTH BOUNDARY LINE
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

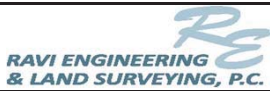
P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					80%	3" topsoil over very loose, dry, brown silty loam (reworked soil or fill)	0.0
2							
3							
4					95%	Dry, dense, tan, silty f sand, tr clay, grading to light brown, moist.	0.0
5							
6							
7							
8							
9							
10					60%		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

End of boring @ 12'

SS-13 sampled at 4'-4.5'

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-12
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: NORTHWEST CORNER OF PROPERTY
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

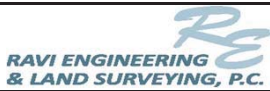
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					95%	4" topsoil and 3" crushed stone over loose, dry, light brown silty f. sand (fill)	0.0
2							
3							
4					95%	SAA - very dense	0.0
5							
6							
7							
8					50%	SAA - less dense, moist from 11'-12'	0.0
9							
10							
11							
12					End of boring @ 12'		
13					SS-12 collected @ 3'-4'		
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-11
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: SOUTH BOUNDARY LINE
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

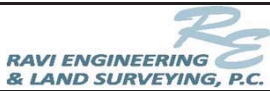
TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1							
2					10%	Ashphalt, little recovery	0.4
3							
4							
5					100%		
6							
7							
8							
9							
10					75%	Dry, dense, light brown silty f sand, tr clay with orange streaks. Loose, silty f sand at 5'-6'	0.5
11							
12							
13					75%		
14							
15							
16						Moist, tan silt, some gravel (till)	0.6
17					100%		
18							
19							
20						Refusal @ 19'	
21						Microwell MW-4 installed	
22						SS-9 collected @ 5'-6'	
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

BORING # B11



101-113 Franklin Street 106
Pleasant Street
BORING BH-10
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari
BORING LOCATION: EAST BOUNDARY LINE
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

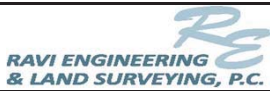
TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					20%	Asphalt, crushed stone intermixed with dark gray sand and gravel over crushed brick intermixed with a small amount of sand	0.0
2							
3							
4							
5					5%	Crushed brick and brick fragments	0.0
6							
7					Refusal at 6' Driller had difficulties advancing probe. Probe kept getting kicked out an an angle and became lodged in borehole. Probe moved several times but encountered same problem. Very little recovery. No soil sample collected in this location.		
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

BORING # B10



101-113 Franklin Street 106 BORING BH-9
 Pleasant Street
 PROJECT #: 4318179C
 CHKD. BY:

CONTRACTOR: Nature's Way BORING LOCATION: SOUTHEAST CORNER OF PARKING LOT
 DRILLER: Tom GROUND SURFACE ELEVATION: N/A
 RE&LS PERSONNEL: L.Zicari DATE: 7/17/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

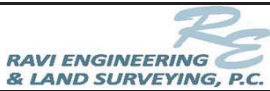
TYPE OF DRILL RIG: Truck Mounted Geoprobe
 CASING SIZE AND TYPE:
 OVERBURDEN SAMPLING METHOD:
 ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					70%	3-4" 'weathered asphalt	0.0
2							
3							
4							
5					40%	Fill consisting of broken/crushed/weathered brick intermixed with sand to 9'	0.3
6							
7							
8							
9					95%	Dry, dense, light-brown silty f sand grading to moist	0.3
10							
11							
12							
13					100%		
14							
15							
16							
17						Refusal @ 14'	
18						Two attempts to advance boring with no recovery in first two locations	
19						SS-9 collected at 10' BGS	
20						Microwell MW-5 Installed	
21							
22							
23							
24							
25							
26							

LEGEND
 S- Surficial Soil Sample
 SS Subsurface Soil Sample

GENERAL NOTES:
 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
 bgs = below ground surface
 ppm = parts per million

BORING # B9



101-113 Franklin Street 106
Pleasant Street

BORING BH-8
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way BORING LOCATION: SOUTH CENTRAL SECTION OF PARKING LOT
DRILLER: Tom GROUND SURFACE ELEVATION: N/A
RE&LS PERSONNEL: L.Zicari DATE: 7/17/2019

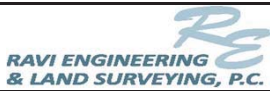
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data					RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)				
1						75%	Asphalt	0.0
2					Crushed brick intermixed with clayey loam (fill)			
3								
4					Very dark gray gravelly fmc sand (fill)			
5						Refusal @ 5'		
6								
7								
8					Driller made three attempts to advance boring with shallow refusal (2') in first two borings.			
9								
10					Sample SS-8 collected at 4'			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street 106
Pleasant Street

BORING BH-7
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari
BORING LOCATION: SOUTHWEST CORNER OF PARKING LOT
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					60%	4" Asphalt	0.0
2							
3							
4							
5					40%	Fill material consisting of light brown sand intermixed with crushed brick	0.0
6							
7							
8							
9					80%	Moist, medium dense, tan, silty f sand, dense at 10'.	0.0
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

4" Asphalt

60%

Fill material consisting of light brown sand intermixed with crushed brick

40%

80%

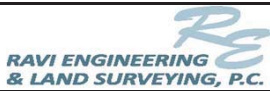
Moist, medium dense, tan, silty f sand, dense at 10'.

End of boring at 12'

SS-7 collected beneath fill materials at 12'

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-6
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: CENTER OF PARKING LOT
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					30%	Asphalt, weathered asphalt over dry, stiff, brown clayey loam (fill) Moist, dark br/gray sandy silt (fill)	0.0
2						Refusal at 1.5'	
3							
4						Note: Driller made two attempts to advance boring but hit shallow refusal both times.	
5							
6						Sample SS-6 collected from 1-1.5'	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street
BORING BH-5
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari
BORING LOCATION: SOUTH OF HISTORIC GAS TANKS
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

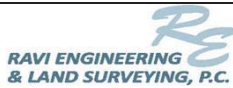
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					80%	Asphalt and weathered asphalt intermixed with silt and sand	0.0
2				1.5-3.5': 'Fill - Dry, dense, black silt over dry, tan f sand, wet at 3.25'			
3							
4					75%	3.5' - 12': Dry, dense, tan, silty f sand grading to moist	0.0
5							
6							
7							
8					80%		
9							
10							
11							
12							
13						End of boring at 12'	
14						Sample SS-5 - sampled black silt fill at 2'	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street

BORING BH-4
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari

BORING LOCATION: SOUTHWEST OF HISTORIC GAS TANKS
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data					REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1					65%	0-1.5': 'Weathered asphalt over black organic material	0.0
2				1.5'-4': 'Fill - dry, very dense, light brown silty f sand grading to f sand, tr. clay			
3							
4							
5					75%	4-8.5': Dry, dense light brown mf sand	0.0
6							
7							
8							
9					70%	8.5-10.0': Saturated Gravel	0.0
10						10.0'-12.0': Brown silty f sand grading to f sand	0.0
11							
12					End of boring @ 12'		
13					Sample SS-4 collected at 8' above saturated interval.		
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million



101-113 Franklin Street
106 Pleasant Street
BORING BH-3
PROJECT #: 4318179C
CHKD. BY:

CONTRACTOR: Nature's Way
DRILLER: Tom
RE&LS PERSONNEL: L.Zicari
BORING LOCATION: EAST OF HISTORIC GAS TANKS
GROUND SURFACE ELEVATION: N/A
DATE: 7/17/2019


WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS


TYPE OF DRILL RIG: Truck Mounted Geoprobe
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

P T H	Sample Data				RECOVERY (%)	REMARKS	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)			
1					85%	Asphalt	0.0
2						0.5'-2'; Dry, brown loamy fill (reworked soil or fill), few rocks.	
3							
4					75%	2'-7.5": Dry, tan silty vf sand (till)	0.0
5							
6							
7							
8						Refusal at 7.5' on tight silt/sand	
9						Sample SS-3 - sampled fill material @ 2'	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

		101-113 Franklin Street 106 Pleasant Street	BORING BH-2	PROJECT #: 4318179C	CHKD. BY:	
CONTRACTOR: Nature's Way DRILLER: Tom RE&LS PERSONNEL: L.Zicari		BORING LOCATION: NORTH OF HISTORIC GAS TANKS GROUND SURFACE ELEVATION: N/A DATE: 7/17/2019				
TYPE OF DRILL RIG: Truck Mounted Geoprobe CASING SIZE AND TYPE: OVERBURDEN SAMPLING METHOD: ROCK DRILLING METHOD: NA		WATER LEVEL DATA				
		DATE	TIME	WATER	CASING	REMARKS
P	Sample Data					PID
T	BLOW	NO.	DEPTH	N-VALUE	RECOVERY	(ppm)
H	/6"		(FT.)	/RQD(%)	(%)	
1						0-6" 'Asphalt and crushed stone based
2					50%	0.5-3.5": Fill consisting of crushed brick intermixed with dry, tan,
3						
4						
5						3.5-4: Dry, tan, mf sand
6					50%	4'-7'- Fill consisting of gravel intermixed with sandy loam. Light gray layered/fractured rock (basement slab?) at 7'.
7						
8						
9						7'-12': 'Tan, mf sand; wet at 12'
10					75%	
11						
12						
13						End of boring at 12'
14						Sample SS-2 collected at 7.5-8'
15						NOTE: DRILLER MADE THREE ATTEMPTS TO ADVANCE BORING BUT HIT SHALLOW REFUSAL ON FIRST TWO ATTEMPTS.
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
LEGEND						
S- Surficial Soil Sample						
SS Subsurface Soil Sample						
GENERAL NOTES:						
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.						
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.						
bgs = below ground surface						
ppm = parts per million						
					BORING #	B2

		101-113 Franklin Street 106 Pleasant Street		BORING BH-1 PROJECT #: 4318179C CHKD. BY:		
CONTRACTOR: Nature's Way DRILLER: Tom RE&LS PERSONNEL: L.Zicari		BORING LOCATION: GROUND SURFACE ELEVATION: N/A DATE: 7/17/2019		WEST OF HISTORIC GAS TANKS		
TYPE OF DRILL RIG: Truck Mounted Geoprobe CASING SIZE AND TYPE: OVERBURDEN SAMPLING METHOD: ROCK DRILLING METHOD: NA		WATER LEVEL DATA				
		DATE	TIME	WATER	CASING	REMARKS
P	Sample Data					PID
T	BLOW	NO.	DEPTH	N-VALUE	RECOVERY	(ppm)
H	/6"		(FT.)	/RQD(%)	(%)	
1						Asphalt over weathered rock base to 6"
2				75%		0.5'-4': Fill consisting of loose dk brown sandy loam grading to tan sandy loam
3						
4						
5						
6				80%		4'-12.0': Dense silty f sand. Saturated at 9.5 ft. bgs.
7						
8						
9						
10				90%		
11						
12						
13						End of boring @ 12'
14						Sample SS-1 collected above saturated interval at 9.5 ft. bgs.
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
LEGEND S- Surficial Soil Sample SS Subsurface Soil Sample						
GENERAL NOTES: 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million						
					BORING #	B1



Test Pit Log

Test Pit No. TP-1 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of 1
 Approx. Elev. 533 Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 9 ft. length 9 ft. width 8 ft. depth 648 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over 6" crushed stone.
6" to 8.25'	0.0	Dry, loose, brown loam with crushed brick and large blocky stone (up to 1 cf). More brick than stone.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 No tanks or metal objects (anomaly C not found)
 No odors or staining; no C&D debris
 Did not reach bottom of fill due to equipment limitations (excavator could not reach any deeper).





Test Pit Log

Test Pit No. TP-2 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 7 ft length 11 ft width 6.5 ft depth 500.5 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over 6 "crushed stone.
6"-24"	0.0	Fill consisting of dry, loose, brown loam intermixed with brick and brick fragments, stone, some sand and ash. Metal I-beam at surface, encased in concrete (loose in pit).
24"-78"	0.0	Moist, brown, sandy loam.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____

I-beam appears to be anomaly #4 as no other metal was found in pit.





Test Pit Log

Test Pit No. TP-3 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of 2
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 6.5 ft. 8 ft. 4 ft. 208 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
	Not encountered	X

Depth	PID Reading	Description
0-12"	0.0	Asphalt, 6" thick over 6" black sandy crushed stone
12"-48"	0.0	Fill consisting of tan sand intermixed with brick and brick fragments, coarse tan sand with some ash, glass, metal shards and other debris. Loose 2" pipe (30" length) and buried rusted crushed metal drum at 4' depth.
48"		Refusal on Slab at 4 ft.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____

Anomaly #1 appears to be 30" length of water pipe and remnants of a crushed steel drum found in pit.





Test Pit Log

Test Pit No. TP-4 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 8 ft. length 8 ft. width 5 ft. depth 320 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-24"	0.0	Asphalt, 2-3" thick over fill consisting of light gray angular rock (limestone, dolostone) intermixed with dry clayey loam. Foundation wall encountered near middle of excavation in E/W direction, then south near the east end of pit.
24"-60"	0.0	Moist, brown clayey loam. Metal conduit and electrical box at southwest corner of pit approximately 2.5-3 ft bgs.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 No tanks or other large metal objects to explain Anomaly #2. A small metal conduit and electrical box are only metal found at approximately 2.5-3 ft bgs.





Test Pit Log

Test Pit No. TP-5 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 7 ft. 7 ft. 5.5 ft. 269.5 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over 3-4" brown sand and gravel.
6"-65"	0.0	Reworked soil/fill consisting of moist, brown clay loam, few large limestone boulders, trace brick. Native clay loam at 5". One inch conduit on south end of excavation running E/W direction approximately 2.5" bgs.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____

1" metal conduit pipe is only metal object found. No tanks or other metal to explain anomaly.





Test Pit Log

Test Pit No. TP-6 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 533 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 7.5 ft. 9 ft. 5.6 ft 378 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-10"	0.0	Asphalt 1.5" over black sandy soil intermixed with crushed stone, trace brick and wood fragments.
10"-66"	0.0	Moist, brown clayey loam, no debris.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 No metal found to explain Anomaly #3.





Test Pit Log

Test Pit No. TP-7 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 532 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot – SE corner)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 9 ft. 15.25 ft. 6.25 ft. 857.8 cf
length width depth volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick, over 4" crushed stone and sand. Steel I-beam encased in concrete just beneath asphalt.
6"-75"	0.0	Brick intermixed with brown sandy loam, some limestone. Several large pieces of metal. Concrete slab at south perimeter of excavation at 2.25 ft. bgs. over foundation wall. Wall is 4 ft high. Refusal on tile floor at 6.25 ft. bgs.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks:

- Footer or foundation wall is on south end of excavation running E/W – appears to be constructed of field stone and mortar with a plaster skim coat painted dark gray.
- Several metal objects in excavation to explain Anomaly B include a steel safe (22"x24.5"x31"), an I-beam encased in concrete, and several sheets of metal (12"x48")









Test Pit Log

Test Pit No. TP-8 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of
 Approx. Elev. 534 ft. Project Number 4318179C Date 7-11-19

Location: 101-113 Franklin Street (parking lot)

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 5 ft. length 6 ft. width 4 ft. depth 120 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Asphalt, 1.5" thick over crushed stone
6"-48"	112 ppm	Fill consisting of stone and brick intermixed with dry, loose tan/brown mf sand. At 12" bgs, brick wall encountered on east perimeter of excavation. Black soil staining observed on north side of excavation from 6" to approximately 18". Strong chemical odor emanating from pit.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 Chemical odor appears to be coming from north perimeter of pit where black staining was observed, but could not find any elevated PID readings on perimeter walls. Elevated PID readings were detected on soils in bucket only.





Test Pit Log

Test Pit No. TP-9 Project Name 101-113 Franklin Street, 106 Pleasant Street Page 1 of 1
 Approx. Elev. 530 ft. Project Number 4318179C Date 7-11-19

Location: 106 Pleasant Street

Field Eng./Geo. L. Zicari

Weather: Cloudy 80F

Equipment Used: Mini Excavator

Test Pit Dimensions: 5' length 8' width 5' depth 200 cf volume

Ground Water Data		
Date	Actual Time	Depth
Not encountered		X

Depth	PID Reading	Description
0-6"	0.0	Topsoil - dry, loose, brown sandy loam
12" - 30"	0.0	Dry, loose, brown sandy loam with some brick (large and small fragments) and light gray angular rock (limestone). Loose 2" steel pipe encountered at 24" deep on north end of excavation. Small amount of sand, ash, debris at bottom of interval.
30"-60"	0.00	Moist, brown fine sandy loam.

Comments

- No rock encountered; or
Rock encountered at 0-2 feet
- Perch/Seepage water encountered at _____ feet
- X No groundwater encountered; or
- Ground water encountered at _____ feet

Remarks: _____
 Black film (possibly a vapor barrier) observed on one limestone block
 Pipe appears to be debris, not attached to anything. Approximately 8' in length.





APPENDIX 6

Health & Safety Plan

SITE HEALTH AND SAFETY PLAN

Project Title:	101-113 Franklin St. and 106 Pleasant St. – Environmental Management Plan
Project Number:	2200085
Project Location (Site):	101-113 Franklin St. and 106 Pleasant St., Rochester, New York 14604
Project Manager:	To Be Determined
Site Safety Supervisor:	To Be Determined
Site Contact:	To Be Determined
Safety Director:	To Be Determined
Proposed Date(s) of Field Activities:	To Be Determined
Site Conditions:	0.7 acres; Current Site features an unoccupied parking lot on the east side of the Site and undeveloped green space on the west side of the Site. Urban fill remains on-site, along with some VOC contamination in the groundwater.
Site Environmental Information Provided By:	<ul style="list-style-type: none">▪ <i>Phase I Environmental Site Assessment</i>, completed by Day Environmental, Inc. (“Day”), September 2018▪ <i>Geophysical Survey Results</i>, completed by Wood Environment & Infrastructure Solutions, Inc. (“Wood”), January 2019▪ <i>Phase II Environmental Site Assessment</i>, completed by Ravi Engineering and Land Surveying, P.C. (“Ravi”), September 2019▪ <i>Preliminary Geotechnical Engineering Investigation</i>, completed by Ravi, September 2019
Air Monitoring Provided By:	LaBella Associates, DPC
Site Control Provided By:	LaBella Associates, DPC



EMERGENCY CONTACTS

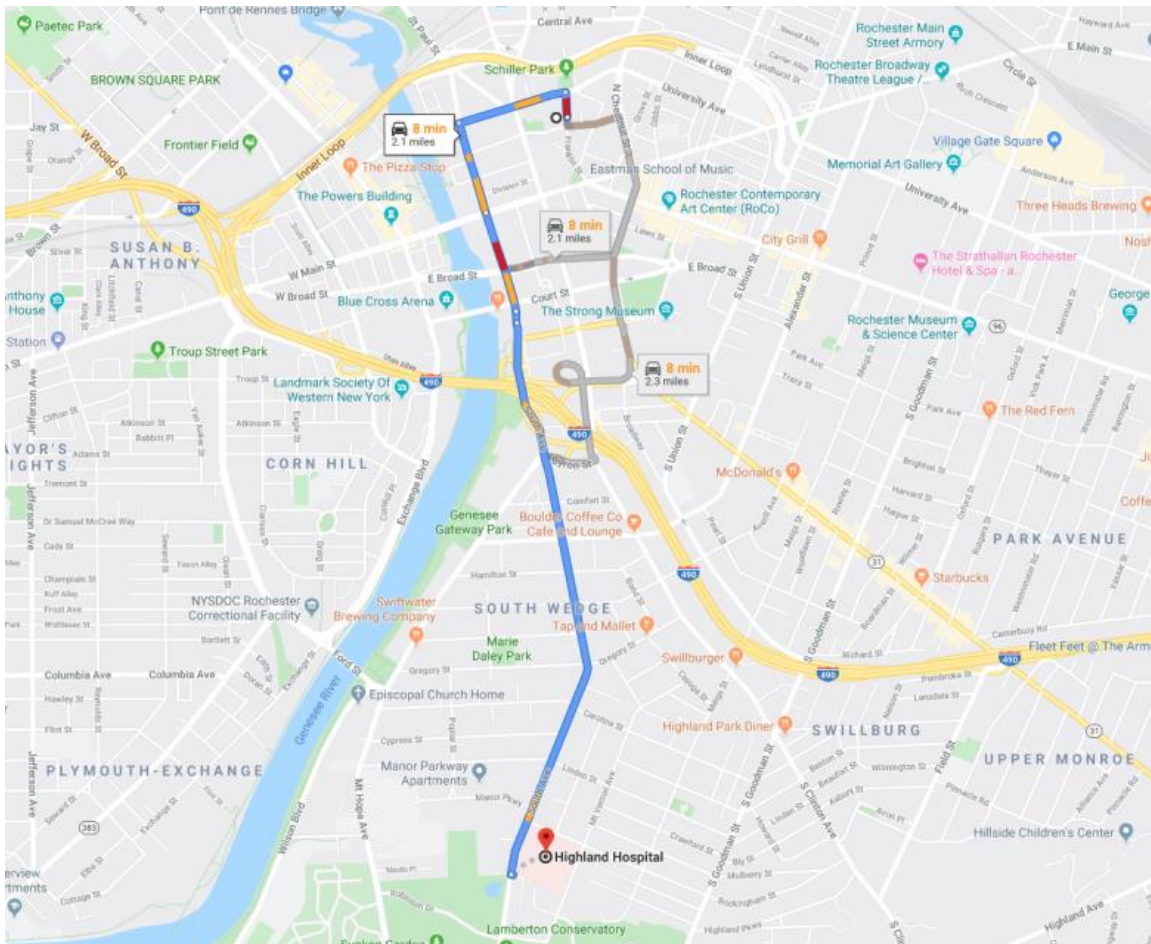
	Name	Phone Number
Ambulance:	As Per Emergency Service	911
Hospital Emergency:	Highland Hospital	(585) 473-2200
Poison Control Center:	Finger Lakes Poison Control	585-273-5151
Police (local, state):	Rochester Police Department	911
Fire Department:	Rochester Fire Department	911
Site Contact:	To Be Determined	585-428-6884
Project Manager:	To Be Determined	----
Site Safety Supervisor:	To Be Determined	----
Safety Director	To Be Determined	----



MAP AND DIRECTIONS TO THE MEDICAL FACILITY - HIGHLAND HOSPITAL

Total Est. Time: 8 minutes Total Est. Distance: 2.1miles

- | | | |
|-----------|---|-----------|
| 1: | Head NORTH on FRANKLIN ST toward ANDREWS ST | 292 feet |
| 2: | Turn LEFT onto ANDREWS ST | 0.2 miles |
| 3: | Turn LEFT onto ST. PAUL ST | 0.2 miles |
| 4: | CONTINUE onto SOUTH AVE | 0.2 miles |
| 5: | Use the middle to lanes to stay on SOUTH AVE | 141 feet |
| 6: | Keep LEFT to stay on SOUTH AVE | 1.3 miles |
| 7: | Turn LEFT onto BELLEVUE DR | 26 feet |
| 8: | End at 1000 South Ave.
Rochester, NY 14620 | |



1.0 Introduction

The purpose of this Health and Safety Plan (HASP) is to provide guidelines for responding to potential health and safety issues that may be encountered during intrusive activities at 101-113 Franklin Street & 106 Pleasant Street in the City of Rochester, Monroe County, New York (the Site). This HASP only reflects the policies of LaBella Associates D.P.C. The requirements of this HASP are applicable to LaBella personnel at the work site. It is the responsibility of each sub-consultant and sub-contractor to follow their own company HASP. This document's project specifications should be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP were developed in general accordance with 29 CFR 1910 and 29 CFR 1926 and do not replace or supersede any regulatory requirements of the USEPA, NYSDEC, OSHA or any other regulatory body.

2.0 Responsibilities

This HASP presents guidelines to minimize the risk of injury to project personnel, and to provide rapid response in the event of injury. The HASP is applicable only to activities of approved LaBella personnel. It is the responsibility of LaBella employees to follow the requirements of this HASP, or HASPs specific to individual activities, and all applicable company safety procedures.

3.0 Activities Covered

The activities covered under this HASP are limited to the following:

- Environmental Monitoring associated with intrusive activities at the Site including but not limited to:
 - Excavation
 - Geoprobng
 - Grading
- Soil, Surface Water, and Groundwater Characterization

4.0 Work Area Access and Site Control

Site control during the project will be the responsibility of the Contractor performing the work. LaBella will have primary responsibility for maintaining a safe work area for all activities conducted by LaBella personnel. Such work area controls will consist of:

- Temporary fencing.
- Air monitoring.
- Use of Personal Protective Equipment (PPE).

5.0 Potential Health and Safety Hazards

This section lists some potential health and safety hazards that project personnel may encounter at the project site and some actions to be implemented by approved personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as site environmental and site work conditions change. The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times, the Site Safety Officer has responsibility for site safety and his instructions must be followed.



5.1 *Hazards Due to Heavy Machinery and Equipment*

Potential Hazard:

Heavy machinery including trucks, drilling rigs, trailers, etc. will be in operation at the site. The presence of such equipment presents the danger of being struck or crushed. Use caution when working near heavy machinery.

Protective Action:

Make sure that operators are aware of your activities, and heed operator's instructions and warnings. Wear bright colored clothing and walk safe distances from heavy equipment. A hard hat, safety glasses and steel toe shoes are required.

5.2 *Excavation Hazards*

Potential Hazard:

Excavations and trenches can collapse, causing injury or death. Edges of excavations can be unstable and collapse. Toxic and asphyxiant gases can accumulate in confined spaces and trenches. Excavations that require working within the excavation will require air monitoring in the breathing zone (refer to Section 9.0).

Excavations left open create a fall hazard which can cause injury or death.

Protective Action:

Personnel must receive approval from the Project Manager to enter an excavation for any reason. Subsequently, approved personnel are to receive authorization for entry from the Site Safety Officer. Approved personnel are not to enter excavations over 4 feet in depth unless excavations are adequately sloped. Additional personal protective equipment may be required based on the air monitoring.

Personnel should exercise caution near all excavations at the site as it is expected that excavation sidewalls will be unstable. Do not proceed closer than 3 feet to an unsupported or non-sloped excavation side wall.

Fencing and/or barriers accompanied by "no trespassing" signs should be placed around all excavations when left open for any period of time when work is not being conducted.

5.3 *Cuts, Punctures and Other Injuries*

Potential Hazard:

In any excavation or construction work site there is the potential for the presence of sharp or jagged edges on rock, metal materials, and other sharp objects. Serious cuts and punctures can result in loss of blood and infection.

Protective Action:

The Project Manager is responsible for making First Aid supplies available at the work site to treat minor injuries. The Site Safety Officer is responsible for arranging the transportation of authorized on-site personnel to medical facilities when First Aid treatment is not sufficient. Do not move seriously injured workers. All injuries requiring treatment are to be reported to the Project Manager. Serious injuries are to be reported immediately to the Site Safety Officer.



5.4 *Injury Due to Exposure of Chemical Hazards*

Potential Hazards:

Contaminants identified in testing locations at the Site include various volatile organic compounds (VOCs), primarily VOCs associated with petroleum contamination. Volatile organic vapors, chlorinated solvents or other chemicals may be encountered during subsurface activities at the project work site. Inhalation of high concentrations of volatile organic vapors can cause headache, stupor, drowsiness, confusion and other health effects. Skin contact can cause irritation, chemical burn, or dermatitis. The Safety Data Sheet is included as Appendix 1 of the IRM Work Plan.

Protective Action:

The presence of organic vapors may be detected by their odor and by monitoring instrumentation. Approved employees will not work in environments where hazardous concentrations of organic vapors are present. Air monitoring will be performed in accordance with the NYSDOH Generic CAMP. Personnel are to leave the work area whenever PID measurements of ambient air exceed 25 ppm consistently for a 5 minute period. In the event that sustained total volatile organic compound (VOC) readings of 25 ppm is encountered personnel should upgrade personal protective equipment to Level C (refer to Section 8.0) and an Exclusion Zone should be established around the work area to limit and monitor access to this area (refer to Section 6.0).

5.5 *Injuries Due to Extreme Hot or Cold Weather Conditions*

Potential Hazards:

Extreme hot weather conditions can cause heat exhaustion, heat stress and heat stroke or extreme cold weather conditions can cause hypothermia.

Protective Action:

Precaution measures should be taken such as dress appropriately for the weather conditions and drink plenty of fluid. If personnel should suffer from any of the above conditions, proper techniques should be taken to cool down or heat up the body and taken to the nearest hospital if needed.

6.0 **Work Zones**

In the event that conditions warrant establishing various work zones (i.e., based on hazards - Section 5.4), the following work zones should be established:

Exclusion Zone (EZ):

The EZ will be established in the immediate vicinity and adjacent downwind direction of site activities that elevate breathing zone VOC concentrations to unacceptable levels based on field screening. These site activities include contaminated soil excavation and soil sampling activities. If access to the site is required to accommodate non-project related personnel then an EZ will be established by constructing a barrier around the work area (yellow caution tape and/or construction fencing). The EZ barrier shall encompass the work area and any equipment staging/soil staging areas necessary to perform the associated work. The contractor(s) will be responsible for establishing the EZ and limiting access to approved personnel. LaBella will not enter the EZ unless deemed necessary to do so. Depending on the condition for establishing the EZ, access to the EZ may require adequate PPE (e.g., Level



C).

Contaminant Reduction Zone (CRZ):

The CRZ will be the area where personnel entering the EZ will don proper PPE prior to entering the EZ and the area where PPE may be removed. The CRZ will also be the area where decontamination of equipment and personnel will be conducted as necessary.

7.0 Decontamination Procedures

Upon leaving the work area, approved personnel shall decontaminate footwear as needed. Under normal work conditions, detailed personal decontamination procedures will not be necessary. Work clothing may become contaminated in the event of an unexpected splash or spill or contact with a contaminated substance. Minor splashes on clothing and footwear can be rinsed with clean water. Heavily contaminated clothing should be removed if it cannot be rinsed with water. Personnel assigned to this project should be prepared with a change of clothing whenever on site.

8.0 Personal Protective Equipment

Generally, site conditions at this work site require level of protection of Level D or modified Level D. However, air monitoring will be conducted to determine if up-grading to Level C PPE is required (refer to Section 9.0). Descriptions of the typical safety equipment associated with Level D and Level C are provided below:

Level D:

Hard hat, safety glasses, rubber nitrile sampling gloves, steel toe construction grade boots, etc.

Level C:

Level D PPE and full or ½-face respirator and tyvek suit (if necessary). [*Note: Organic vapor cartridges are to be changed after each 8-hours of use or more frequently.*]

9.0 Air Monitoring

According to 29 CFR 1910.120(h), air monitoring shall be used to identify and quantify airborne levels of hazardous substances and health hazards in order to determine the appropriate level of employee protection required for personnel working onsite. Air monitoring will consist at a minimum of the procedure listed below. Air monitoring instruments will be calibrated and maintained in accordance with the manufacturer's specifications.

The Air Monitor will utilize a photoionization detector (PID) to screen the ambient air in the work areas (drilling, excavation, soil staging, and soil grading areas) for total Volatile Organic Compounds (VOCs) and a DustTrak™ Model 8520 aerosol monitor or equivalent for measuring particulates. Work area ambient air will generally be monitored in the work area and downwind of the work area. Air monitoring of the work areas and downwind of the work areas will be performed at least every 60 minutes using a PID and the DustTrak meter.

If sustained PID readings of greater than 25 ppm are recorded in the breathing zone, either personnel are to leave the work area until satisfactory readings are obtained or approved personnel may re-enter the work areas wearing at a minimum a ½ face respirator with organic vapor cartridges for an 8-hour duration (i.e., upgrade to Level C PPE). Organic vapor cartridges are to be changed



after each 8-hour use or more frequently, if necessary. If PID readings are sustained, in the work area, at levels above 50 ppm for a 5 minute average, work will be stopped immediately until safe levels of VOCs are encountered or additional PPE will be required (i.e., Level B).

If downwind PID measurements reach or exceed 25 ppm consistently for a 5 minute period downwind of the work area, PID readings will be taken within the buildings (if occupied) on Site to ensure that the vapors are not penetrating any occupied building and effecting the personnel working within. If the PID measurements reach or exceed 25 ppm within the nearby buildings, the personnel should be evacuated via a route in which they would not encounter the work area. The building should then be ventilated until the PID measurements within the building are at or below background levels. It should be noted that the site buildings are currently vacant.

10.0 Emergency Action Plan

In the event of an emergency, employees are to turn off and shut down all powered equipment and leave the work areas immediately. Employees are to walk or drive out of the Site as quickly as possible and wait at the assigned 'safe area'. Follow the instructions of the Site Safety Officer.

Employees are not authorized or trained to provide rescue and medical efforts. Rescue and medical efforts will be provided by local authorities.

11.0 Medical Surveillance

Medical surveillance will be provided to all employees who are injured due to overexposure from an emergency incident involving hazardous substances at this site.

12.0 Employee Training

Personnel who are not familiar with this site plan will receive training on its entire content and organization before working at the Site.

Individuals involved with the fieldwork must be 40-hour OSHA HAZWOPER trained with current 8-hour refresher certification.

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Site Health and Safety Plan

Location:

101-113 Franklin Street and 106 Pleasant Street
Rochester, New York 14604

Prepared For:

Mr. Dennis Peck
Division of Environmental Quality
City of Rochester
30 Church Street, Room 300-B
Rochester, New York 14614

LaBella Project No. 200085

December 2019

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Table 1
Exposure Limits and Recognition Qualities

Compound	PEL-TWA (ppm)(b)(d)	TLV-TWA (ppm)(c)(d)	STEL	LEL (%) ^(e)	UEL (%) ^(f)	IDLH (ppm)(g)(d)	Odor	Odor Threshold (ppm)	Ionization Potential
Acetone	750	500	NA	2.15	13.2	20,000	Sweet	4.58	9.69
Anthracene	0.2	0.2	NA	NA	NA	NA	Faint aromatic	NA	NA
Benzene	1	0.5	5	1.3	7.9	3000	Pleasant	8.65	9.24
Benzo (a) pyrene (coal tar pitch volatiles)	0.2	0.1	NA	NA	NA	700	NA	NA	NA
Benzo (a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	10.88
Carbon Disulfide	20	1	NA	1.3	50	500	Odorless or strong garlic type	0.096	10.07
Chlorobenzene	75	10	NA	1.3	9.6	2,400	Faint almond	0.741	9.07
Chloroform	50	2	NA	NA	NA	1,000	ethereal odor	11.7	11.42
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethylene	200	200	NA	9.7	12.8	400	Acrid	NA	9.65
1,2-Dichlorobenzene	50	25	NA	2.2	9.2		Pleasant		9.07
Ethylbenzene	100	100	NA	1	6.7	2,000	Ether	2.3	8.76
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NA	NA	NA	5	15	NA	NA	NA	12.98
Methylene Chloride	500	50	NA	12	23	5,000	Chloroform-like	10.2	11.35
Naphthalene	10, Skin	10	NA	0.9	5.9	250	Moth Balls	0.3	8.12
n-propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane	NA	NA	NA	NA	NA	NA	Sweet	NA	NA
Toluene	100	100	NA	0.9	9.5	2,000	Sweet	2.1	8.82
Trichloroethylene	100	50	NA	8	12.5	1,000	Chloroform	1.36	9.45
1,2,4-Trimethylbenzene	NA	25	NA	0.9	6.4	NA	Distinct	2.4	NA
1,3,5-Trimethylbenzene	NA	25	NA	NA	NA	NA	Distinct	2.4	NA
Vinyl Chloride	1	1	NA	NA	NA	NA	NA	NA	NA
Xylenes (o,m,p)	100	100	NA	1	7	1,000	Sweet	1.1	8.56
<i>Metals</i>									
Arsenic	0.01	0.2	NA	NA	NA	100, Ca	Almond	NA	NA
Cadmium	0.2	0.5	NA	NA	NA	NA	NA	NA	NA
Chromium	1	0.5	NA	NA	NA	NA	NA	NA	NA
Lead	0.05	0.15	NA	NA	NA	700	NA	NA	NA
Mercury	0.05	0.05	NA	NA	NA	28	Odorless	NA	NA
Selenium	0.2	0.02	NA	NA	NA	Unknown	NA	NA	NA
<i>Other</i>									
Asbestos	0.1 (f/cc)	NA	1.0 (f/cc)	NA	NA	NA	NA	NA	NA

(a) ☐ Skin = Skin Absorption

(b) ☐ OSHA-PEL Permissible Exposure Limit (flame weighted average, 8-hour): NIOSH Guide, June 1990

(c) ☐ ACGIH - 8 hour time weighted average from Threshold Limit Values and Biological Exposure Indices for 2003

(d) ☐ Metal compounds in mg/m³

(e) Lower Exposure Limit (%)

(f) Upper Exposure Limit (%)

(g) Immediately Dangerous to Life or Health Level: NIOSH Guide, June 1990

Notes:

1. All values are given in parts per million (PPM) unless otherwise indicated
2. Ca = Possible Human Carcinogen, no IDLH information



APPENDIX 7

NYSDOH Generic Community Air Monitoring Plan

Appendix 1A
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. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

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/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed $150 \text{ mcg}/\text{m}^3$ above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than $150 \text{ mcg}/\text{m}^3$ above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within $150 \text{ mcg}/\text{m}^3$ of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009