Periodic Review Report
May 31, 2020- May 31, 2021

Environmental Restoration Program
Orchard Whitney Site #E828123
415 Orchard Street and 354 Whitney Street
Monroe County
Rochester, New York

Prepared For:

City of Rochester
City Hall, Room 300B
30 Church Street
Rochester, New York 14614

Prepared by:

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

339 East Avenue Suite 200
Rochester, New York 14604

June 2021

Table of Contents

Executive Summary

The Orchard Whitney Site #E828123 (hereinafter referred to as the "Site"), located at 415 Orchard Street and 354 Whitney Street in the City of Rochester, Monroe County, New York is a 4.073-acre parcel (Figure 1). Delco Appliance Division of General Motors occupied the Site from 1930 to 1967. Historical activities included the manufacture of electrical equipment, various metal finishing operations, coal storage, boiler operation, power generation, petroleum storage, as well as industrial wastewater treatment. The City of Rochester acquired ownership of the Orchard and Whitney parcels through tax foreclosure proceedings in 2000 and 2005, respectively.

In August 2020, the City entered into negotiations with a developer to purchase the Site. A Request for Building Permit – Environmental Easement Review (see Attachment A) was sent to the NYSDEC on August 11, 2020. Subsequently, the prospective purchaser abandoned the project. The City remains the Site owner as of this report date.

Previous environmental assessments and two (2) phases of a subsurface investigation conducted by Lu Engineers indicated the presence of impacted soil and groundwater at the Site. A comprehensive description of investigation findings is provided in the *Site Investigation/Remedial Alternatives Report* (Lu Engineers, January 2014). The Site Investigation (SI) identified the following contaminants of concern (COC): chromium, lead, petroleum products, trichloroethene (TCE), and cadmium.

The selected remedy included the following: 1) Interim Remedial Measure (IRM) removals; 2) Institutional Controls; 3) Engineering Controls; and 4) Groundwater monitoring.

A summary of completed IRM removals is provided in the Final Engineering Report (Lu Engineers, January 2014). The Supplemental Site Investigation (SSI) and subsequent IRMs conducted at the Site in July, August, and October 2015 are included in the Interim Remedial Measures Construction Completion Report (Lu Engineers, November 2015). The effectiveness of the remedial program, as outlined in the Site Management Plan (SMP), is monitored through annual groundwater sampling and Site-wide inspection. Post-remedial groundwater samples collected during this reporting period indicate low-level and stable detections of volatile organic compounds (VOCs) and Site-specific RCRA metals.

The implemented remedies to manage residual contamination are effective, protective and are progressing towards the remedial action objectives (RAOs). The Institutional Controls (ICs) and Engineering Controls (ECs) outlined in the Monitoring and Sampling Plan were fully in place and effective during this reporting period. These ICs/ECs are required in the form of an environmental easement dated September 26, 2016, which includes a) limiting the use and development of the Site to commercial or industrial use; b) compliance with the approved SMP; c) restriction on the use of groundwater as a source of potable water; and d) completion and submittal of an annual certification of IC/EC Controls (Attachment B).

Low-level concentrations of VOCs and RCRA metals (near or below applicable groundwater quality standards) were detected in groundwater samples from the Site during the 2020-2021 monitoring and reporting period. Individual constituent concentrations were generally stable during the reporting period and continue to represent decreased concentration of contaminants in comparison with samples collected as part of the SSI/IRM in July 2015. The Site-specific ICs and ECs continue to meet the remedial objectives while maintaining protection of public health and the environment. Based upon past

groundwater quality data, the May 2020 PRR recommended a reduction in sampling frequency to annual versus biannual groundwater sampling and that future laboratory analysis for metals limited to total chromium and selenium, as well as chlorinated VOCs (cVOCs).

The NYSDEC's PRR Approval Letter dated August 24, 2020 (included as Attachment C) approved these reductions in sampling frequency and analyses.

1.0 Periodic Review Report

This Periodic Review Report (PRR) was prepared by Lu Engineers, on behalf of the City of Rochester, in accordance with the requirements set forth in the NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and the guidelines provided by the NYSDEC. The reporting period for this PRR is from May 31, 2020 to May 31, 2021. The following items are included in this PRR:

- Identification, assessment, and certification of all ICs/ECs required by the remedy for the Site;
- Results of the Site inspection and sampling events including applicable inspection forms and other records generated for the Site during the reporting period;
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables of groundwater contaminants of concern by media;
- Laboratory analysis results and the required laboratory data deliverables for each sample collected during the reporting period have been and will continue to be submitted electronically in a NYSDEC-approved EQuIS format; and
- A Site evaluation, which includes the following:

  I. The compliance of the remedy with the requirements of the Site-specific Record of Decision (ROD) including ICs/ECs;
  II. The operation and the effectiveness of each treatment unit, including identification of any needed repairs or modifications;
  III. Any new conclusions or observations regarding Site contamination based on inspection or lab data generated during the monitoring events;
  IV. Recommendations regarding any necessary changes to the remedy and/or SMP; and
  V. The overall performance and effectiveness of the remedy to date.

2.0 Site Overview

The Site is located in the City of Rochester, Monroe County, New York, and consists of two (2) parcels identified as Sections 105.66-3-24 (354 Whitney Street) and 105.66-3-23 (415 Orchard Street) on the City of Rochester Tax Map. The Site is an approximate 4.073-acre area bounded by mixed residential and commercial/industrial use properties (refer to Figure 2 – Site Plan), and is currently a vacant lot with concrete slabs, crushed masonry, and recycled concrete covering the ground surface. A wall remains along the southern portion of the property line of 415 Orchard Street and is covered with a sloped berm consisting of crushed masonry and recycled concrete. Remnant surface and subsurface features are present throughout the property as a result of past industrial Site development.

The North East Electric Company occupied the Site from 1915 to 1922 which was subsequently used as a plant for the Delco Appliance Division of General Motors (1930-1967). The plant closed in 1967 and the Site became a location for metal finishing, synthetic foam production, printing, plastics, electronics manufacturing, and warehousing until 1990. Electronics manufacturing included Sykes Datatronics, Inc.

between 1968 through the late 1980s at 415 Orchard Street. Commercial use of the Site ceased in 1990. After a series of fires and vandalism incidents, the City of Rochester acquired ownership of the Orchard and Whitney parcels via tax foreclosure in 2000 and 2005, respectively.

The SI and IRMs were completed in a phased process which prioritized the investigation of probable contaminant source areas to facilitate the development of effective IRMs as the RI process progressed. The contaminants of concern (COC) identified at the Site include cadmium, chromium, lead, petroleum products, and trichloroethene (TCE). IRMs included the following:

- 354 Whitney Street Demolition (October 2010)
- Underground Storage Tank (UST) and Soil Removal (June 2011)
- Soil Removal and In-situ Groundwater Treatment (March 2012)
- 415 Orchard Street "High Rise" Building Demolition (March 2015)
- Soil Removal and Asbestos Abatement (October 2015)

IRM activities are summarized in the Final Engineering Report (FER) (Lu Engineers, January 2014) and Interim Remedial Measures Construction Completion Report (Lu Engineers, November 2015). Selected Site Soil Cleanup Objectives (SCOs) are Commercial Use, therefore, IRM confirmatory results were compared to 6 NYCRR Part 375-6.8(a) Unrestricted Use and Part 375-6.8(b) Commercial Use. Cleanup objectives for groundwater are 6 NYCRR Part 703.5 Class GA Ambient Groundwater Quality Standards. These regulatory criteria are considered to be Site-specific for cleanup goals/objectives for this project.

The factors considered during the selection of the remedy are those listed in 6 NYCRR Part 375-1.8. No Further Action (NFA) with IC/ECs was selected as the remedy for the Site as stated in the Record of Decision (March 2016). ICs/ECs include an environmental easement, cover system (cap), groundwater monitoring, and SMP.

ICs are required in the form of an environmental easement that entails a) limiting the use and development of the Site to commercial or industrial use; b) compliance with the approved SMP; c) restriction on the use of groundwater as a source of potable water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH); and d) the Site owner or remedial party to complete and submit an annual certification of Institutional and Engineering Controls (ICs/ECs).

Long-term management of the residual impacts, as required by the ROD, includes the following plans for ECs:

- Monitoring;
- Operation and Maintenance; and
- Reporting.

The specific ECs implemented at the Site include:

- Annual groundwater sampling of monitoring wells MW-16, MW-17, and MW-27 for VOCs by EPA Method 8260, as well as total chromium and selenium by EPA Method 6010; and
- Management and inspection of the existing soil cover system. No changes to the remedy have occurred since remedy selection.

3.0 Remedy Performance, Effectiveness, and Protectiveness

Post-remedial groundwater sampling indicates that low-level residual groundwater contamination persists at the Site since completion of the IRM. One (1) post-remedial annual sampling event was conducted during this reporting period in March 2021, in accordance with and as outlined in the SMP Tables 1 and 2 illustrate concentrations of VOCs and RCRA metals since initiation of the groundwater monitoring program.

Figure 3 shows analytical exceedances and groundwater elevations for the annual sampling event in this reporting period. Analyte concentrations in groundwater samples were compared to the applicable 6 NYCRR Part 703.5 Class GA Ambient Groundwater Quality Standards. Analytical reports are provided in Attachment D.

VOCs and metals were detected at low (generally below applicable groundwater standards) and stable concentrations. The following summarizes the analytical findings:

VOCs

- No VOCs were detected in exceedance of groundwater standards or guidance values during this reporting period.
- Benzene concentrations at MW-16 have declined since initiation of PRR sampling in October 2017. The concentration of benzene was below the groundwater standard of 1.0 µg/L in November 2019 and below detectable concentrations during both the May 2020 and March 2021 sampling events. Acetone was also detected in MW-16 below the groundwater standard of 50 µg/L in November 2019 and below detectable concentrations during the March 2021 sampling event.
- TCE continued to be detected at MW-17 below the applicable groundwater standard of 5.0 µg/L during the March 2021 sampling event.

RCRA Metals

- Analyses for metals include total chromium and selenium for the March 2021 sampling event.
- Analytical results for chromium and selenium at MW-16 and MW-27 and selenium at MW-17 were below detectable concentrations during the March 2021 sampling event.
- Chromium was detected during the March 2021 sampling event at MW-17 at a concentration of 1.56 mg/L, which exceeds the applicable NYS standard of 0.05 mg/l. It is noted that this concentration represents a decrease from 1.75 mg/l of hexavalent chromium observed in the 2020 monitoring event.

Based on the compiled data, the remedy is effective in achieving the Site RAOs. Though low-levels of the noted contaminants remain in soil and groundwater, the ICs and ECs reduce the potential for human exposure. The ICs and ECs established for the Site are in compliance with the SMP.

4.0 Institutional Controls/Engineering Control Plan Compliance

Since remaining impacted soil and groundwater exists beneath the Site, ICs/ECs are required to protect human health and the environment.

Institutional Controls (ICs)

A series of ICs is required by the Record of Decision (ROD) to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to

commercial and industrial uses only. Adherence to Institutional Controls as required by the Environmental Easement (through deed restrictions) is implemented under the SMP.

These Institutional Controls are:

- The property may be used for: commercial or light industrial use;
- While the property is owned by the City of Rochester, the property may be used for snow storage from streets and municipal lots during snow emergencies as approved under a previously approved NYSDEC COU notification;
- City permit restriction flag in accordance with Building Information System (BIS);
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited in the City of Rochester Ordnance without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the Monroe County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to the Site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined the SMP;
- Operation, maintenance, monitoring, inspections, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environment Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries and any potential impacts that are identified must be monitoring or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

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

The performance of the ICs is measured through changes to the Site that occur during the reporting period. No permits or unauthorized uses were issued to the Site during this reporting period.

Engineering Controls (ECs)

Cover (Cap) – Exposure to remaining contamination in subsurface soil/fill at the Site is prevented by a site cover system placed over the Site (the "cap"). This cover system is comprised of a minimum of one (1) foot recycled brick and concrete. One (1) area of an exposed tunnel void space has been covered with a steel plate bolted to the concrete pad and subsequently covered with a one (1) foot layer of recycled brick and concrete.

The Site cover system is inspected annually as a requirement to the SMP. The cover system is a permanent control and the quality and integrity of this system (performance measure) is inspected at defined intervals pursuant to the SMP.

The cap was observed to be in good condition as indicated on the Site Inspection Form during this reporting period (Attachment E).

Appendix B of the SMP outlines procedures required to be implemented in the event that the cover system is breached, penetrated or temporarily removed and underlying remaining impacts are disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of the SMP. Work must also be conducted in accordance with the procedures defined in the Site-specific Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP), included as Appendices H and I of the SMP, respectively.

The performance of Site controls was evaluated during the annual sampling round and documented on the Site inspection Form dated March 2021. The Site inspection assesses the following performance measures:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;
- Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that Site records are up to date.

ECs/ICs were fully in-place and effective. No deficiencies were observed at the time of the Site inspection and therefore, no corrective measures are recommended. The Cap was in good condition as indicated on the Site Inspection Form during this reporting period (Attachment E).

The required IC/EC certification has been completed as a component of this report and a copy is included as Attachment B.

5.0 Monitoring Plan Compliance Report

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site; the soil cover system; and all affected Site media identified in the table below.

Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater Monitoring	Annual	Groundwater	VOCs by EPA Method 8260; total chromium and selenium by EPA Method 6010
Site-Wide Inspection	Annual	Cover System	Visual Inspection; determine if maintenance is required

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

Monitoring activities completed during this reporting period included the following:

- In accordance with the SMP, annual groundwater sampling of the following Site wells: MW-16, MW-17, and MW-27. Refer to Tables 1 and 2 and Attachments D, and F.
- Site-wide inspection, including annual inspection of the Cover System (Cap). Refer to Attachment E, Site Inspection Form.

Groundwater Sampling

The following table summarizes the details of the groundwater sampling program to be completed during each annual sampling event.

Media Sampling and Analysis Summary

Sample Type	Sample Location	Analytical Parameters	Frequency	QA/QC	Total
Groundwater	MW-16, MW-17, and MW-27	VOCs by EPA Method 8260; total chromium and selenium by EPA Method 6010	Annual	MS/MSD Field Duplicate	3

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

Site wells were sampled March 2021 by low-flow sampling methods per procedures outlined in the SMP. Wells were initially developed and sampled as a part of the Supplemental Site Investigation (SSI) in July 2015.

Groundwater quality measurements, including temperature, turbidity, pH, conductivity, dissolved oxygen (DO), and oxidation reduction potential (ORP), were collected during the purging process at each well. At each well, samples were collected for VOCs for analysis by EPA Method 8260, as well as total chromium and selenium for analysis by EPA Method 6010. Groundwater sampling logs are included as Attachment F of this report.

Samples were analyzed by Paradigm Environmental Services, Inc., a New York State Department of Health Environmental Laboratory Approval Program- certified laboratory (ELAP) located in Rochester, New York. Sampling methods and QA/QC measures were adhered to as outlined in the approved SMP.

Analytical results indicate that constituent concentrations in groundwater are stable and/or declining since initiation of the SMP groundwater monitoring program. VOCs were not detected in exceedance of applicable criteria during this reporting period; an exceedance of chromium exist at MW-17. Results of groundwater sampling conducted during this period are summarized in Tables 1 and 2 and in Figure 3. Tables 1 and 2 present analytical results of VOCs and RCRA Metals detected in groundwater during this period through 2017 and are compared to applicable 6 NYCRR Part 703.5 standards. Figure 3 illustrates detected analytical exceedances from the sampling event during this reporting period. Figure 3 also presents groundwater elevations based on water level measurements collected at each monitoring well. As in previous reporting, MW-27 was omitted from the data used for groundwater contour map development due to its low elevation representative of deeper flow conditions; bedrock at MW-27, located at the south end of the former petroleum storage/plating area(s), is substantially deeper than other areas of the Site.

As consistently indicated during past sampling events and supported by current data (See Figure 3), groundwater elevations are highest on the southwestern portion of the property and lowest along the northeastern portion, indicating a general northeastward groundwater flow direction.

Groundwater monitoring performed during this reporting period complied with the monitoring plan.

6.0 Operation and Maintenance Plan Compliance Report

The Site remedy does not rely on any mechanical systems; therefore, this section is not applicable.

7.0 Conclusions and Recommendations

IC/EC Compliance

The requirements and regulations set forth in the SMP for ICs were adhered to during this reporting period. This includes the following:

Land Use Restriction – The Site is currently vacant and has met the requirements of this restriction in this reporting period.

Groundwater Use Restriction – The Site is currently vacant and Site groundwater is not used in any capacity, therefore meeting the requirements of this restriction in this reporting period.

Site Management Plan (SMP) – The Site is currently in compliance with all components of the Site-specific SMP and all requirements have been met during this reporting period.

The requirements set forth in the SMP for all ECs were met during this reporting period. No change in Site ownership occurred during this PRR period.

Low level concentrations of VOCs and RCRA metals (near or below applicable groundwater quality standards) were detected in groundwater samples from the Site. Individual constituent concentrations were generally stable during the reporting period and have decreased in comparison with samples collected as part of the SSI/IRM in July 2015. The Site-specific ICs and ECs continue to meet the remedial objectives while maintaining protection of public health and the environment.

City of Rochester
Orchard-Whitney Site (#E828123)
Groundwater Monitoring Results
Periodic Review Report

Table 1: Groundwater TCL VOCs Results

Analyzed Parameters[1]	NYS Groundwater Standard Class GA[2]	MW-16										
		10/2/17	11/29/17	3/21/18	5/4/18	8/15/18	11/19/18	2/14/19	5/16/19	11/21/19	5/4/20	3/9/21
EPA 8260 - Volatile Organics												
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	**28.3**	**11.2**	**8.57 J**	**11.3**	**9.22 J**	ND	**8.47 J**	ND	**6.32 J**	ND	ND
Benzene	1	**1.28**	**1.06**	**0.847 J**	**0.991 J**	**0.756 J**	**0.772 J**	**0.545 J**	**0.708 J**	**0.600 J**	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1 - All values presented in micrograms per liter (µg/L).
2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)
Value Exceeds NYS Ambient Groundwater Standards
ND - not detected above method detection limit
NA - not analyzed
* - NYSDEC Guidance Value (TOGS 1.1.1)
J - Result estimated between the quantitation limit and half the quantitation limit.

City of Rochester
Orchard-Whitney Site (#E828123)
Groundwater Monitoring Results
Periodic Review Report

Table 1: Groundwater TCL VOCs Results

Analyzed Parameters[1]	NYS Groundwater Standard Class GA[2]	MW-17										
		10/2/17	11/29/17	3/21/18	5/4/18	8/15/18	11/19/18	2/14/19	5/16/19	11/21/19	5/4/20	3/9/21
EPA 8260 - Volatile Organics												
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
1,4-Dioxane	-	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
2-Butanone	50*	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Acetone	50*	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Benzene	1	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Chloroform	7	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Cyclohexane	-	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	-	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Toluene	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Trichloroethene	5	NA	NA	NA	NA	NA	**4.01**	**1.88 J**	**3.49**	**3.86**	**3.04**	**3.17**
Xylenes (total)	-	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND

1 - All values presented in micrograms per liter (µg/L).
2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)
Value Exceeds NYS Ambient Groundwater Standards
ND - not detected above method detection limit
NA - not analyzed
* - NYSDEC Guidance Value (TOGS 1.1.1)
J - Result estimated between the quantitation limit and half the quantitation limit.

City of Rochester
Orchard-Whitney Site (#E828123)
Groundwater Monitoring Results
Periodic Review Report

Table 1: Groundwater TCL VOCs Results

Analyzed Parameters[1]	NYS Groundwater Standard Class GA[2]	MW-27										
		10/2/17	11/29/17	3/21/18	5/4/18	8/15/18	11/19/18	2/14/19	5/16/19	11/21/19	5/4/20	3/9/21
EPA 8260 - Volatile Organics												
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1 - All values presented in micrograms per liter (µg/L).
2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)
Value Exceeds NYS Ambient Groundwater Standards
ND - not detected above method detection limit
NA - not analyzed
* - NYSDEC Guidance Value (TOGS 1.1.1)
J - Result estimated between the quantitation limit and half the quantitation limit.

Table 2: Groundwater RCRA Metals Results

Analyzed Parameters[1]	NYS Groundwater Standard Class GA[2]	MW-16										
		10/2/17	11/29/17	3/21/18	5/4/18	8/15/18	11/19/18	2/14/19	5/16/19	11/21/19	5/4/20	3/9/21
EPA 6010- RCRA Metals												
Arsenic	0.025	**0.0113**	**0.014**	**0.0074 J**	**0.0106**	**0.0131**	**0.0144**	ND	**0.0137**	**0.0093 J**	**0.0148 D**	NA
Barium	1	ND	ND	**0.0566 J**	ND	ND	**0.0626 J**	ND	ND	ND	ND	NA
Cadmium	0.005	**0.00488 J**	**0.00359 J**	**0.00672**	ND	ND	ND	ND	ND	ND	ND	NA
Chromium	0.05	**0.00564 J**	**0.00576 J**	**0.0115**	**0.00654 J**	**0.0148**	**0.00562 J**	**0.00664 J**	ND	**0.00514 J**	**0.0165 J**	ND
Lead	0.025	ND	ND	**0.00872 J**	ND	ND	ND	ND	ND	ND	ND	NA
Mercury	0.0007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Selenium	0.01	**0.0165 J**	ND	ND	ND	**0.0204**	ND	**0.014 J**	ND	ND	**0.0153**	ND
Silver	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

1 - All values presented in milligrams per liter (mg/L).
2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)
Value Exceeds NYS Ambient Groundwater Standards
ND - not detected above method detection limit
NA - not analyzed
* - NYSDEC Guidance Value (TOGS 1.1.1)
J - Result estimated between the quantitation limit and half the quantitation limit.
D- Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative PercentDifference limit

Table 2: Groundwater RCRA Metals Results

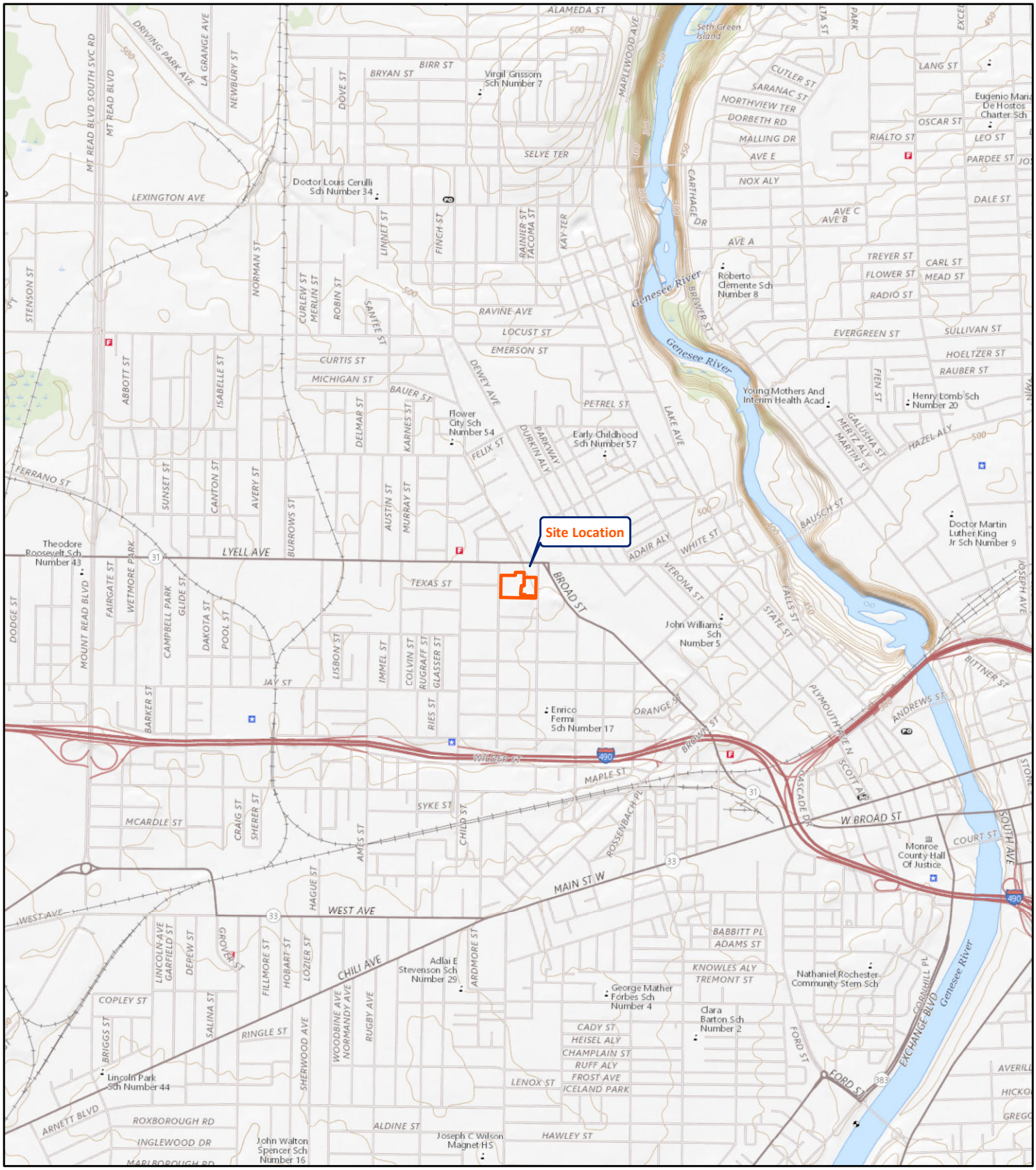
Analyzed Parameters[1]	NYS Groundwater Standard Class GA[2]	MW-17										
		10/2/17	11/29/17	3/21/18	5/4/18	8/15/18	11/19/18	2/14/19	5/16/19	11/21/19	5/4/20	3/9/21
EPA 6010- RCRA Metals												
Arsenic	0.025	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Barium	1	NA	NA	NA	NA	NA	**0.157**	**0.0774 J**	**0.0642 J**	**0.129**	**0.0517 J**	NA
Cadmium	0.005	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Chromium	0.05	NA	NA	NA	NA	NA	**0.888**	**0.706**	**1.47**	**1.05**	**1.75**	**1.56**
Lead	0.025	NA	NA	NA	NA	NA	**0.016**	ND	ND	**0.0218**	ND	NA
Mercury	0.0007	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Selenium	0.01	NA	NA	NA	NA	NA	ND	**0.0104 J**	ND	ND	ND	ND
Silver	0.05	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA

1 - All values presented in milligrams per liter (mg/L).
2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)
Value Exceeds NYS Ambient Groundwater Standards
ND - not detected above method detection limit
NA - not analyzed
* - NYSDEC Guidance Value (TOGS 1.1.1)
J - Result estimated between the quantitation limit and half the quantitation limit.
D- Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative PercentDifference limit

Table 2: Groundwater RCRA Metals Results

Analyzed Parameters[1]	NYS Groundwater Standard Class GA[2]	MW-27										
		10/2/17	11/29/17	3/21/18	5/4/18	8/15/18	11/19/18	2/14/19	5/16/19	11/21/19	5/4/20	3/9/21
EPA 6010- RCRA Metals												
Arsenic	0.025	**0.00513 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Barium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Cadmium	0.005	**0.0038 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Chromium	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	0.025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Mercury	0.0007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Selenium	0.01	**0.02013**	ND	ND	**0.0137 J**	**0.0113 J**	ND	ND	ND	ND	ND	ND
Silver	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

1 - All values presented in milligrams per liter (mg/L).
2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)
Value Exceeds NYS Ambient Groundwater Standards
ND - not detected above method detection limit
NA - not analyzed
* - NYSDEC Guidance Value (TOGS 1.1.1)
J - Result estimated between the quantitation limit and half the quantitation limit.
D- Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative PercentDifference limit



Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Figure 1. Site Location Map

Orchard-Whitney Site
ERP #E828123
Rochester, NY

DATE: May 2020
PROJECT #: 4216-09
DRAWN/CHECKED: BGS/GLA
DATA SOURCE: ESRI Online Basemap

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Figure 2:
Site Plan

Project:
Orchard-Whitney ERP Site #E828123
Periodic Review Report 2020-2021

Location:
415 Orchard, 354 Whitney Street
City of Rochester, Monroe County, NY

Legend

- Site Boundary
- Monitoring Well
- Street Center Line

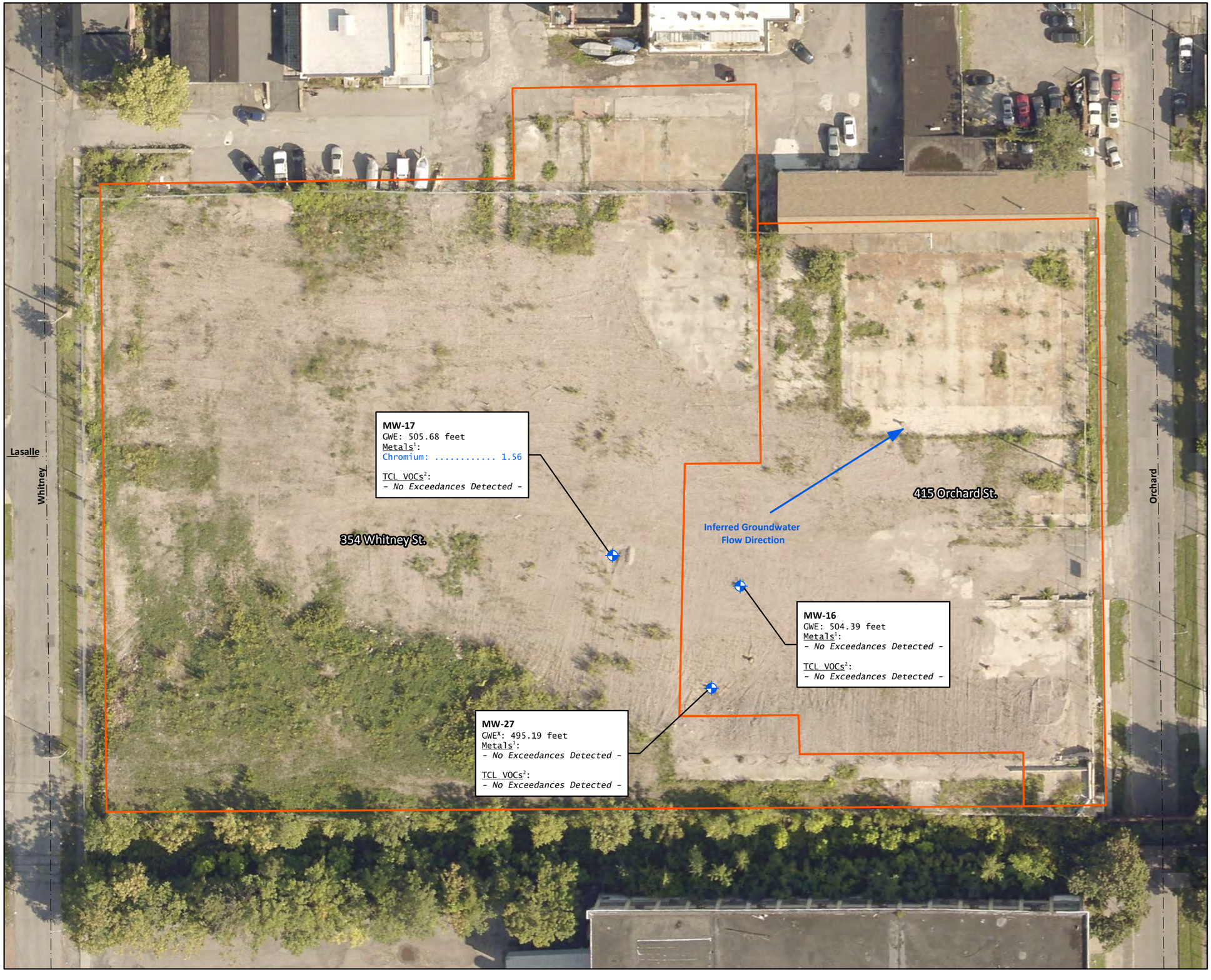
N

1 inch = 50 feet

0 25 50 100 Feet

Drawn/Checked By:	BGS/GLA
Lu Project Number:	4216-09
Date:	March 2021

General:
1. Coordinate System: NAD 1983 State Plane NY West FIPS 3103 Feet
2. Orthoimagery (October 2020) downloaded from Pictometry
3. Scale: 1:600 (original document size 11"x17")



Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

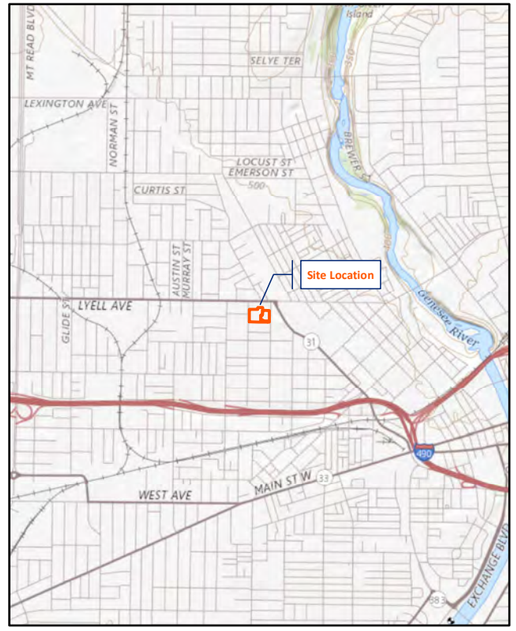


Figure 3:
March 2021 Groundwater Analytical Results

Project:
Orchard-Whitney ERP Site #E828123
Periodic Review Report 2020-2021

Location:
415 Orchard, 354 Whitney Street
City of Rochester, Monroe County, NY

FLOUR CITY-FLOWER CITY-U.S.A. CITY OF ROCHESTER

Legend

Site Boundary
Street Center Line
Monitoring Well

Notes:
x: Groundwater elevation omitted due to its low elevation representitive of deeper flow conditions
1: Results Indicated in mg/L
2: Results indicated in ug/L
BLUE TEXT: Result exceeds Part 703.5 Class GA Ambient Groundwater Quality Standards

N
1 inch = 50 feet
0 25 50 100 Feet

Drawn/Checked By:	BGS/GLA
Lu Project Number:	4216-09
Date:	June 2021

General:
1. Coordinate System: NAD 1983 State Plane NY West FIPS 3103 Feet
2. Orthoimagery (October 2020) downloaded from Pictometry
3. Scale: 1:600 (original document size 11"x17")

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request for Building Permit-Environmental Easement Review

ECL ARTICLE 71 / TITLE 36

Section I. Contact Information

LOCAL GOVERNMENT CITY OF ROCHESTER		CONTACT PERSON TOM KICIOR	
ADDRESS CITY HALL, 30 CHURCH STREET ROOM 125B			
CITY/TOWN ROCHESTER, NEW YORK		COUNTY MONROE	ZIP CODE 14614
PHONE 585-428-7762	FAX		E-MAIL THOMAS.KICIOR@CITYOFROCHES
BUILDING PERMIT APPLICANT Joe O'Donnel		CONTACT PERSON Joe O'Donnel	
ADDRESS 3033 Brighton-Henrietta Townline Road			
CITY/TOWN Rochester		COUNTY Monroe	ZIP CODE 14623
PHONE 585-272-9170	FAX		E-MAIL joe@greaterliving.com

Section II. Property Information Summary

DEC SITE NAME ORCHARD-WHITNEY SITE		DEC SITE ID No. E828123
ADDRESS 415 ORCHARD ST. & 354 WHITNEY ST.		
CITY/TOWN ROCHESTER, NEW YORK	COUNTY MONROE	ZIP CODE 14606

Section III. Proposed Project Description

Please describe the work proposed under the building permit (provide attachments as necessary) including:

- the purpose and scope of the project (narrative description including and drawings as needed to fully describe project)
- explanation of how the proposed activities are consistent with or may impact the Environmental Easement (provided by building permit applicant).

-See attached

Submittal Information

One (1) copy of this request form and all attachments (must be submitted as an electronic copy in Portable Document Format (PDF) via email (if less than 25 MB) or on CD/DVD diskette) to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020
518-402-9553
derweb@gw.dec.state.ny.us

Instructions for Building Permit and Environmental Easement Review Form

In accordance with ECL §71- 3607(2), this form shall be used to notify the Department of Environmental Conservation (Department) whenever an Affected Local Government (ALG) receives a building permit or any other application affecting land use or development of land that is subject to an Environmental Easement and that may relate to or impact such easement. The requestor should provide as much complete and accurate information as possible to facilitate the review. The Department strongly encourages the requestor to schedule a pre-review meeting with the Department prior to submitting this request.

SECTION I	REQUESTOR INFORMATION
Affected Local Government (ALG)	While there may be more than one ALG (ECL §71- 3603), this shall be the municipality having jurisdiction over building/land use permitting activities in which the land subject to an environmental easement is located. Accordingly, this ALG should have been notified of the existence of the environmental easement pursuant to ECL §27-1419.2(e) and have been provided a copy of the easement pursuant to §71-3607.1. The requestor should verify compliance with these laws.
Address/City-Town/Zip and Phone	Provide the ALG's contact person and mailing address, and telephone number; include a fax number and e-mail address if available. The Department will only correspond and send notice of the results of the evaluation to this person.
Permit Applicants Name	Provide the name, mailing address, and telephone number of the party applying for the permit to the ALG; include a fax number and e-mail address if available.

SECTION II	PROPERTY INFORMATION SUMMARY SHEET
Property Name	Provide a name for the property. If a site name has been assigned by the Department to the property with the easement, use that name and associated DEC site identification number.
Property Address	Provide a street address, city/town, county, and zip code.
All Affected Local Government(s)	List all ALGs associated with the site (e.g., village, city, town, county, etc.)
Property Size	Provide the approximate acreage of the property.
GIS Information	Provide the latitude and longitude of the approximate center of the property. Show the latitude and longitude in degrees, minutes, and seconds. Indicate method used to acquire the location (horizontal collection method); the Horizontal Reference Datum (NAD27 or NAD83) used in determining latitude and longitude coordinates; and the reference point. If more than one property is involved, list separate latitude and longitudes.
Tax Map Information	Provide the tax parcel/section/block/lot information and map. Tax map information may be obtained from the tax assessor's office. Failure to include the map could result in a delayed review. Attach a county tax map with identifier numbers, along with any figures needed to show the location and boundaries of the property. Include a USGS 7.5 minute quad map on which the property appears.
Tax Map Relationship	State whether the boundaries of the property correspond to the tax map boundaries.
Map	Provide a property base map(s) of sufficient detail, clarity and accuracy to show the following: 1) a distance of at least 1,000 feet around the proposed property at a scale no smaller than one inch equal to 200 feet; 2) map scale, north arrow orientation, date, and location of the property with respect to adjacent streets and roadways; 3) proposed permit activity boundary lines, 4) surrounding land uses; and 5) existing easements or rights-of-way currently in effect for the property(ies) comprising the property.

SECTION III PROPOSED PROJECT DESCRIPTION

As indicated on the form, please describe the basic scope of the proposed building activity including the nature and extent of any and all above or below ground disturbances that are planned under the requested building permit. This description should conclude with a recommending statement regarding whether or not the proposed activity is consistent with, or may impact the Environmental Easement .

Environmental Easement Review
City of Rochester – Orchard Whitney Site

Section I	**Requestor Information**
Affected Local Government (ALG)	*City of Rochester*
Address	*City Hall, 30 Church Street, Room 121B, Rochester, NY 14614*
Permit Applicant's Name	*Joe O'Donnel, Greater Living Architecture*
Section II	**Property Information Summary Sheet**
Property Name	Orchard-Whitney Site (Site #E828123)
Property Address	415 Orchard St & 354 Whitney St
All Affected Local Governments	City of Rochester, County of Monroe
Property Size	4.07 acres (two properties)
GIS Information	
Tax Map Information	105.66-3-24;
Tax Map Relationship	The two properties will be combined, therefor the exterior lot lines will correspond between the tax map and the site plan
Map	See attached map, and Site Plan drawings

Section III

Project Description:
Construct a two story, 30,000sf manufacturing, warehouse, and wholesale distribution facility for seafood (JD & Sons), a 61 space parking lot, two loading docks, two curb cuts onto Whitney Street and one curb cut onto Orchard Street, and resubdivision of 354 Whitney St and 415 Orchard St. (See Drawings Attached)

- The owner agrees to only use the site for commercial use (non-residential); groundwater will not be used for drinking water; the governing agency representatives will be granted to the site when requested; periodic sampling, and reporting will be done in accordance with the approved SMP, all construction will follow the guidelines set forth in the SMP. The SMP defines any required engineering controls (actual systems, infrastructure or required mitigation systems) in new construction.

The subsurface activity will be as follows:

- Above ground disturbances will include the construction of the building itself as well as parking lots sidewalks etc.
- Excavation of the building foundation to a depth of approximately 48" below existing grade. The excavation at the loading docks will be 8'-0" below existing grade.
- There will be floor drainage system that will that will be concentrated to the center of the processing area and the freezer cooler area as well as the dry storage and recycling and garbage room. This drainage system will be a network of sub slab drainage piping into a grease trap on the exterior of the building and connected to the sanitary storm system on site utilizing manholes as required. This will then be connected to the municipal sanitary storm system.
- There will also be a sub slab depressurization system
- There will also be the sanitary sewage system for toilets and lavatories etc.

EASEMENT DESCRIPTION:
PARCEL B

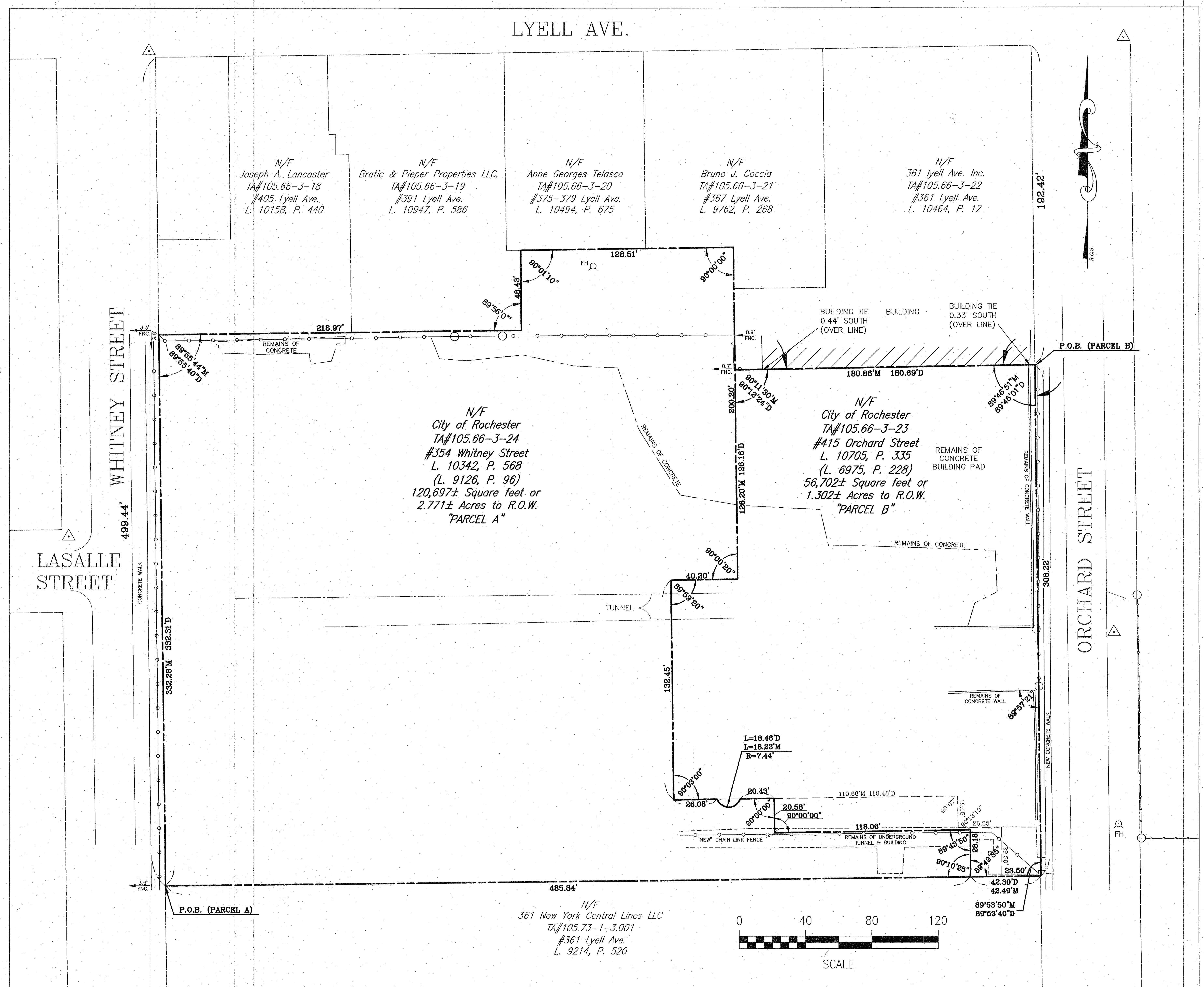
EASEMENT DESCRIPTION:

PARCEL B

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF ORCHARD STREET 192.42 FEET DISTANT SOUTH OF THE INTERSECTION OF THE INTERSECTION OF LYELL AVENUE WITH THE WEST LINE OF ORCHARD STREET; RUNNING THENCE THE FOLLOWING BEARINGS AND DISTANCES: THENCE

1) SOUTH ALONG THE WEST LINE OF ORCHARD STREET A DISTANCE OF 308.22 FEET TO ITS INTERSECTION WITH THE NORTH LINE OF LANDS NOW OR FORMERLY OF THE NEW YORK CENTRAL RAILROAD; THENCE
2) WEST AT AN INTERIOR ANGLE WITH COURSE No. 1 OF 89°53'50" AND ALONG THE NORTH LINE OF SAID NEW YORK CENTRAL RAILROAD LANDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE
3) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 2 OF 89°49'35" A DISTANCE OF 28.18 FEET; THENCE
4) WEST AT AN INTERIOR ANGLE WITH COURSE No. 3 OF 270°16'10" A DISTANCE OF 118.06 FEET; THENCE
5) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 4 OF 90°00'00" A DISTANCE OF 20.58 FEET; THENCE
6) WEST AT AN INTERIOR ANGLE WITH COURSE No. 5 OF 270°00'00" A DISTANCE OF 20.43 FEET; THENCE
7) NORTHWESTERLY ON A CURVE TO THE RIGHT, A DISTANCE OF 18.23 FEET ON A CURVE HAVING A RADIUS OF 7.44 FEET; THENCE
8) WEST AND A CONTINUATION OF COURSE No. 6 A DISTANCE OF 26.08 FEET; THENCE
9) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 8 OF 90°03'00" A DISTANCE OF 132.45 FEET; THENCE
10) EAST AT AN INTERIOR ANGLE WITH COURSE No. 9 OF 89°59'20" A DISTANCE OF 40.20; THENCE
11) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 10 OF 269°59'40" A DISTANCE OF 126.20 FEET; THENCE
12) EAST AT AN INTERIOR ANGLE WITH COURSE No. 11 OF 90°11'30" A DISTANCE OF 180.86 FEET TO THE PLACE OF BEGINNING, THE LAST COURSE MAKING AN INTERIOR ANGLE WITH THE FIRST COURSE OF 89°46'51" TO THE POINT OR PLACE OF BEGINNING.



EASEMENT DESCRIPTION:
PARCEL A

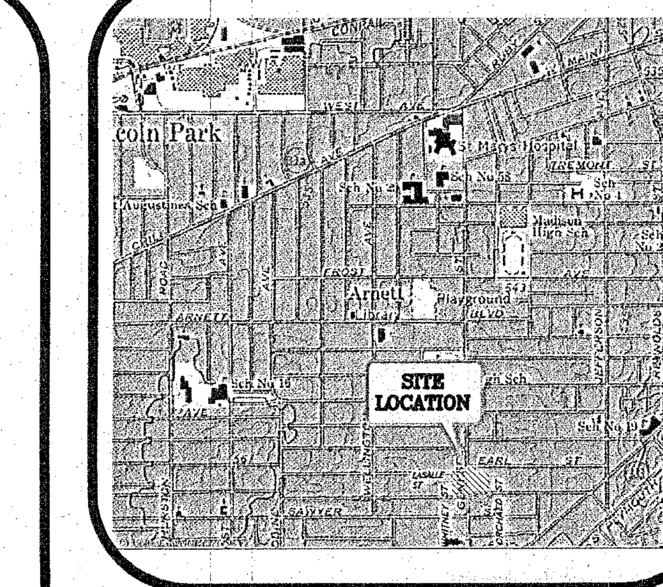
ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN IN THE EASTERLY LINE OF WHITNEY STREET WHICH IRON PIN IS LOCATED 499.44 FEET SOUTH OF THE INTERSECTION OF THE EASTERLY LINE OF WHITNEY STREET WITH THE SOUTH LINE OF LYELL AVENUE; THENCE

1) NORTHERLY ALONG THE EASTERLY LINE OF EASTERLY LINE OF WHITNEY STREET A DISTANCE OF 332.31 FEET TO A POINT; THENCE
2) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°55'40" A DISTANCE OF 218.98 FEET TO A POINT; THENCE
3) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°04'00" A DISTANCE OF 48.43 FEET TO A POINT; THENCE
4) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°01'10" A DISTANCE OF 128.51 FEET TO A POINT; THENCE
5) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 200.20 FEET TO A POINT; THENCE
6) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'20" A DISTANCE OF 40.20 FEET TO A POINT; THENCE
7) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'40" A DISTANCE 132.45 FEET TO A POINT; THENCE
8) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 269°57'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
9) SOUTHEASTERLY ON A CURVE TO THE LEFT, HAVING A RADIUS OF 7.44 FEET, A DISTANCE OF 18.46 FEET TO A POINT, SAID POINT BEING 14 FEET FROM THE END OF COURSE #8 EXTENDED; THENCE
10) EASTERLY ON THE LINE OF COURSE #8 EXTENDED, A DISTANCE OF 20.43 FEET TO A POINT; THENCE
11) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
12) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'00" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
13) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°43'50" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
14) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°10'10" A DISTANCE OF 485.84 FEET TO THE POINT AND PLACE OF BEGINNING.

LEGEND

- APPROXIMATE RIGHT-OF-WAY
- EASEMENT BOUNDARIES
- EXISTING BUILDING
- EXISTING ADJOINING PROPERTY LINES
- CHAIN LINK FENCE
- SURVEY CONTROL POINT/MONUMENT
- FH FIRE HYDRANT



DATE	REVISIONS	BY
8/2/16	REVISED PARCEL "B" DESCRIPTION	

DRAWING ALTERATION

Note: It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter an item in any way. If an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect or land surveyor shall stamp the document and include the notation "altered by" followed by their signature, the date of such alteration, and a specific description of the alteration.

BY:

DATE:

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL
339 East Ave., Suite 200
Rochester, New York 14604
(585) 385-7417
Fax: (585) 546-1634
luengineers.com

PROJECT:
415 ORCHARD STREET
&
354 WHITNEY STREET
ERP SITE #E828123
CITY OF ROCHESTER,
COUNTY OF MONROE
STATE OF NEW YORK

CLIENT:
CITY OF ROCHESTER
ROCHESTER, NEW YORK

DRAWING TITLE:
SHOWING EASEMENT TO N.Y.S.D.E.C. PARCELS A & B

DESIGNED BY: GA	SCALE: 1"=40'
DRAWN BY: DJM	DATE: 12-22-15
CHECKED BY: AC	PROJECT No. 4216
SHEET 1 OF 1	DRAWING No. SU-1

Survey Notes & References:

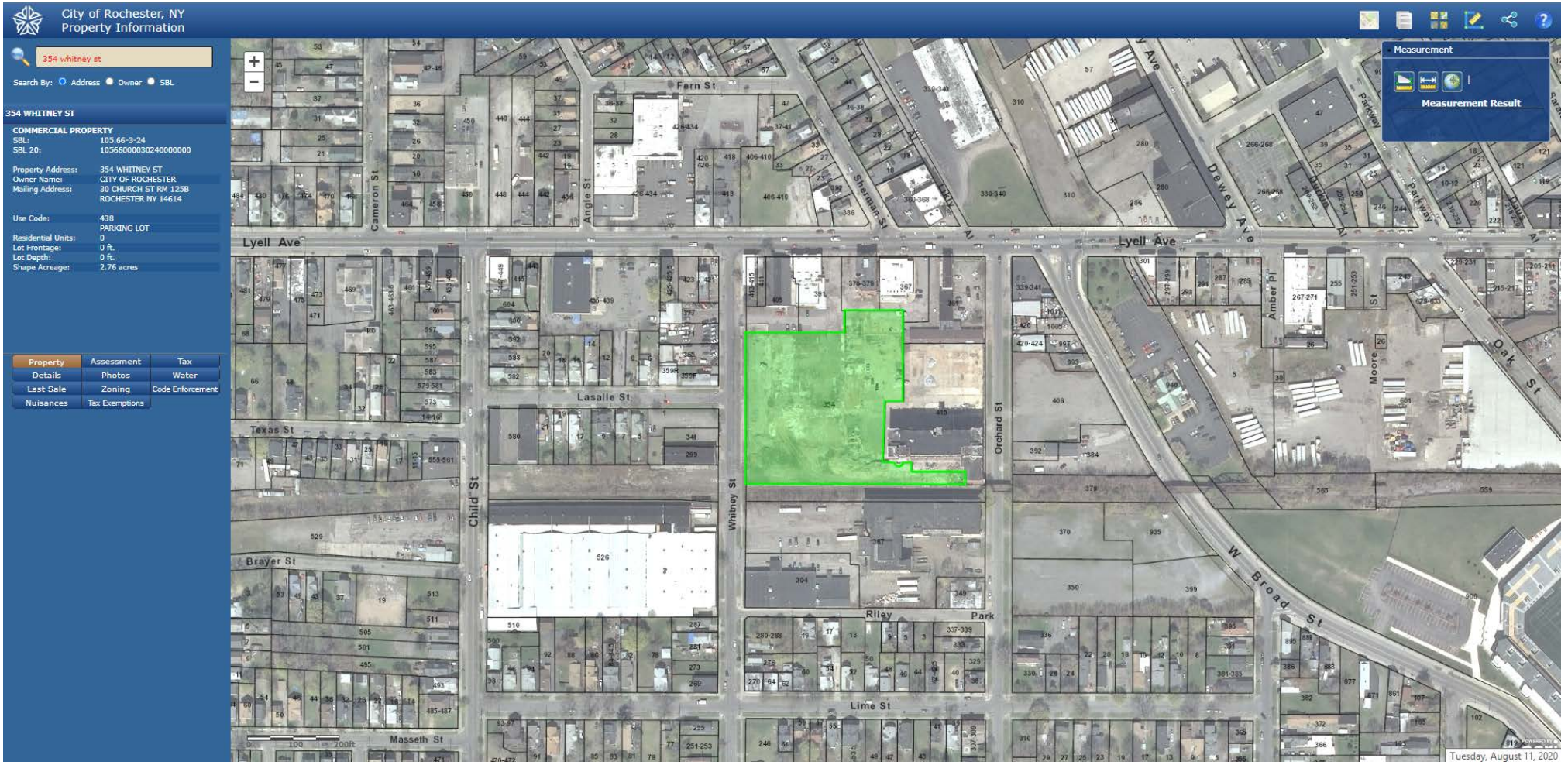
1. Horizontal Datum is NAD 1983.
2. Coordinates were supplied by City of Rochester Survey Office.
3. Vertical Datum is NAVD 1988 also supplied by City of Rochester Survey Office.
4. Distances shown hereon are ground.
5. Deeds listed in Liber 10705, Page 335 recorded 01-05-09; Liber 10342, Page 568 recorded 08-17-06; Liber 10494, Page 675 recorded 07-30-07; Liber 9762, Page 268 recorded 03-27-03; Liber 10464, Page 12 recorded 05-23-07; Liber 10947, Page 586 recorded 12-02-10; Liber 10158, Page 440 recorded 07-22-05; Liber 9214, Page 520 recorded 09-16-99; Liber 9126, Page 96 recorded 02-19-99; Liber 6975, Page 228 recorded 09-16-86; Liber 9786, Page 105 recorded 05-16-03; Liber 7079, Page 98 recorded 03-10-87.
6. The last two recorded deeds for this parcel do not have a metes and bounds description.
7. There appears to be encumberances that can not be plotted. These lie in Liber 4343 of Deeds Page 1 and Liber 5065 of Deeds Page 194.
8. There does not appear to be any restricted use zones or wetland areas delineated on this site at this time.

THE PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT derweb@dec.ny.gov

CERTIFICATION:

WE, JOSEPH C. LU ENGINEERS AND LAND SURVEYING, P.C. CERTIFY THAT THIS SURVEY MAP WAS PREPARED ON DECEMBER 22, 2015 FROM NOTES OF A SURVEY COMPLETED ON DECEMBER 18, 2015.

DANIEL J. MACDONALD, N.Y.S., P.L.S. 050613 — 8/6/16 DATE


City of Rochester, NY
Property Information
354 whitney st
Search By: Address Owner SBL
354 WHITNEY ST
COMMERCIAL PROPERTY
SBL: 105.66-3-24
SBL 20: 10566000030240000000
Property Address: 354 WHITNEY ST
Owner Name: CITY OF ROCHESTER
Mailing Address: 30 CHURCH ST RM 125B
ROCHESTER NY 14614
Use Code: 438
PARKING LOT
Residential Units: 0
Lot Frontage: 0 ft.
Lot Depth: 0 ft.
Shape Acreage: 2.76 acres
Property
Assessment
Tax
Details
Photos
Water
Last Sale
Zoning
Code Enforcement
Nuisances
Tax Exemptions
Measurement
Measurement Result
Fern St
Lyell Ave
Cameron St
Angle St
Sherman St
Dewey Ave
Parkway
Amber Pl
Moore St
Oak St
Lasalle St
Texas St
Child St
Whitney St
Orchard St
Brayer St
Riley Park
W Broad St
Lime St
Masseth St
Tuesday, August 11, 2020

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **E828123**

Site Name Orchard-Whitney Site

Site Address: 415 Orchard Street & 354 Whitney Street Zip Code: 14606
City/Town: Rochester
County: Monroe
Site Acreage: 4.073

Reporting Period: May 31, 2020 to May 31, 2021

	YES	NO
1. Is the information above correct?	X	
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	
7. Are all ICs in place and functioning as designed?	X	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. E828123

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
105.6-3-24	City of Rochester	Ground Water Use Restriction Landuse Restriction Site Management Plan

Environmental Easement;
Site use is restricted to commercial or industrial uses;
Restrict the use of groundwater as a potable source; and
Site Management Plan which includes an excavation plan.

105.66-3-23	City of Rochester	Ground Water Use Restriction Site Management Plan Landuse Restriction

Environmental Easement;
Site use is restricted to commercial or industrial uses;
Restrict the use of groundwater as a potable source; and
Site Management Plan which includes an excavation plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
105.6-3-24	Cover System Vapor Mitigation

A one foot soil cover that meets the restricted commercial SCOs or paved surfaces or buildings.
SVI evaluation for any future occupied structures.

105.66-3-23	Cover System Vapor Mitigation

A one foot soil cover that meets the restricted commercial SCOs or paved surfaces or buildings.
SVI evaluation for any future occupied structures.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. E828123

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joseph Biondolillo (print name) at 30 Church Street, Room 300B, Rochester, NY 14614 (print business address)

am certifying as Owner Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Joseph Biondolillo
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

6-28-2021
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gregory L. Andrus, P.G. at 339 East Avenue Rochester, NY 14604,
print name — print business address

am certifying as a Qualified Environmental Professional for the City of Rochester
(Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		6/25/21

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

August 24, 2020

Ms. Jane Forbes
City of Rochester
Department of Environmental Services
30 Church Street - Room 300B
Rochester, New York 14614-1278

RE: Orchard-Whitney Site (Site#E828123)
Periodic Review Report June 2020
Monroe(C), Rochester(C)

Dear Ms. Forbes:

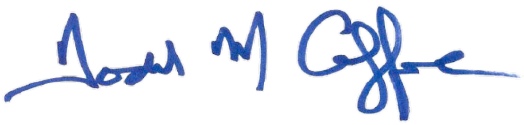
The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for the May 31, 2019 through May 31, 2020 period.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is annually, and your next PRR is due on*, June 30, 2021*. As a courtesy, you may receive a reminder letter and updated certification form 45-days prior to the due date. If you do not receive a letter, the PRR and certification must be submitted to this office by the due date.

The Department approves the new groundwater monitoring frequency from semi-annual to annual. Also, the analytical parameters need to be slightly revised to include chlorinated volatile organic compounds, selenium, and total chromium (not hexavalent chromium).

If you have any questions, please contact me at the e-mail address below. Thank you for your continued cooperation.

Sincerely,



Todd M. Caffoe, P.E.
Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

ec: D. Pratt
G. Andrus

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier:	MW-16		
Lab Sample ID:	210899-01	**Date Sampled:**	3/9/2021
Matrix:	Groundwater	**Date Received:**	3/9/2021

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Chromium	< 0.0100	mg/L		3/12/2021 18:05
Selenium	< 0.0200	mg/L		3/12/2021 18:05

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 3/11/2021
Data File: 210312B

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: MW-16
Lab Sample ID: 210899-01 **Date Sampled:** 3/9/2021
Matrix: Groundwater **Date Received:** 3/9/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2.00	ug/L		3/11/2021 12:51
1,1,1-Trichloroethane	< 2.00	ug/L		3/11/2021 12:51
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/11/2021 12:51
1,1,2-Trichloroethane	< 2.00	ug/L		3/11/2021 12:51
1,1-Dichloroethane	< 2.00	ug/L		3/11/2021 12:51
1,1-Dichloroethene	< 2.00	ug/L		3/11/2021 12:51
1,1-Dichloropropene	< 2.00	ug/L		3/11/2021 12:51
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/11/2021 12:51
1,2,3-Trichloropropane	< 2.00	ug/L		3/11/2021 12:51
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/11/2021 12:51
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/11/2021 12:51
1,2-Dichlorobenzene	< 2.00	ug/L		3/11/2021 12:51
1,2-Dichloroethane	< 2.00	ug/L		3/11/2021 12:51
1,2-Dichloropropane	< 2.00	ug/L		3/11/2021 12:51
1,3-Dichlorobenzene	< 2.00	ug/L		3/11/2021 12:51
1,3-Dichloropropane	< 2.00	ug/L		3/11/2021 12:51
1,4-Dichlorobenzene	< 2.00	ug/L		3/11/2021 12:51
2,2-Dichloropropane	< 2.00	ug/L		3/11/2021 12:51
Bromochloromethane	< 5.00	ug/L		3/11/2021 12:51
Bromodichloromethane	< 2.00	ug/L		3/11/2021 12:51
Bromomethane	< 2.00	ug/L		3/11/2021 12:51
Carbon Tetrachloride	< 2.00	ug/L		3/11/2021 12:51
Chlorobenzene	< 2.00	ug/L		3/11/2021 12:51

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: MW-16
Lab Sample ID: 210899-01 **Date Sampled:** 3/9/2021
Matrix: Groundwater **Date Received:** 3/9/2021

Chloroethane	< 2.00	ug/L	3/11/2021	12:51
Chloroform	< 2.00	ug/L	3/11/2021	12:51
Chloromethane	< 2.00	ug/L	3/11/2021	12:51
cis-1,2-Dichloroethene	< 2.00	ug/L	3/11/2021	12:51
cis-1,3-Dichloropropene	< 2.00	ug/L	3/11/2021	12:51
Dibromochloromethane	< 2.00	ug/L	3/11/2021	12:51
Dichlorodifluoromethane	< 2.00	ug/L	3/11/2021	12:51
Methylene chloride	< 5.00	ug/L	3/11/2021	12:51
Tetrachloroethene	< 2.00	ug/L	3/11/2021	12:51
trans-1,2-Dichloroethene	< 2.00	ug/L	3/11/2021	12:51
trans-1,3-Dichloropropene	< 2.00	ug/L	3/11/2021	12:51
Trichloroethene	< 2.00	ug/L	3/11/2021	12:51
Trichlorofluoromethane	< 2.00	ug/L	3/11/2021	12:51
Vinyl chloride	< 2.00	ug/L	3/11/2021	12:51

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**107**	64 - 142		3/11/2021	12:51
4-Bromofluorobenzene	**95.8**	37.2 - 146		3/11/2021	12:51
Pentafluorobenzene	**98.6**	91.4 - 114		3/11/2021	12:51
Toluene-D8	**105**	73.1 - 120		3/11/2021	12:51

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z00124.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier:	MW-17		
Lab Sample ID:	210899-02	**Date Sampled:**	3/9/2021
Matrix:	Groundwater	**Date Received:**	3/9/2021

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Chromium	**1.56**	mg/L		3/12/2021 18:09
Selenium	< 0.0200	mg/L		3/12/2021 18:09

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 3/11/2021
Data File: 210312B

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.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: MW-17
Lab Sample ID: 210899-02 **Date Sampled:** 3/9/2021
Matrix: Groundwater **Date Received:** 3/9/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2.00	ug/L		3/10/2021 17:18
1,1,1-Trichloroethane	< 2.00	ug/L		3/10/2021 17:18
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/10/2021 17:18
1,1,2-Trichloroethane	< 2.00	ug/L		3/10/2021 17:18
1,1-Dichloroethane	< 2.00	ug/L		3/10/2021 17:18
1,1-Dichloroethene	< 2.00	ug/L		3/10/2021 17:18
1,1-Dichloropropene	< 2.00	ug/L		3/10/2021 17:18
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/10/2021 17:18
1,2,3-Trichloropropane	< 2.00	ug/L		3/10/2021 17:18
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/10/2021 17:18
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/10/2021 17:18
1,2-Dichlorobenzene	< 2.00	ug/L		3/10/2021 17:18
1,2-Dichloroethane	< 2.00	ug/L		3/10/2021 17:18
1,2-Dichloropropane	< 2.00	ug/L		3/10/2021 17:18
1,3-Dichlorobenzene	< 2.00	ug/L		3/10/2021 17:18
1,3-Dichloropropane	< 2.00	ug/L		3/10/2021 17:18
1,4-Dichlorobenzene	< 2.00	ug/L		3/10/2021 17:18
2,2-Dichloropropane	< 2.00	ug/L		3/10/2021 17:18
Bromochloromethane	< 5.00	ug/L		3/10/2021 17:18
Bromodichloromethane	< 2.00	ug/L		3/10/2021 17:18
Carbon Tetrachloride	< 2.00	ug/L		3/10/2021 17:18
Chlorobenzene	< 2.00	ug/L		3/10/2021 17:18
Chloroethane	< 2.00	ug/L		3/10/2021 17:18

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: MW-17
Lab Sample ID: 210899-02 **Date Sampled:** 3/9/2021
Matrix: Groundwater **Date Received:** 3/9/2021

Chloromethane	< 2.00	ug/L	3/10/2021	17:18
cis-1,2-Dichloroethene	< 2.00	ug/L	3/10/2021	17:18
cis-1,3-Dichloropropene	< 2.00	ug/L	3/10/2021	17:18
Dibromochloromethane	< 2.00	ug/L	3/10/2021	17:18
Dichlorodifluoromethane	< 2.00	ug/L	3/10/2021	17:18
Methylene chloride	< 5.00	ug/L	3/10/2021	17:18
Tetrachloroethene	< 2.00	ug/L	3/10/2021	17:18
trans-1,2-Dichloroethene	< 2.00	ug/L	3/10/2021	17:18
trans-1,3-Dichloropropene	< 2.00	ug/L	3/10/2021	17:18
Trichloroethene	**3.17**	ug/L	3/10/2021	17:18
Trichlorofluoromethane	< 2.00	ug/L	3/10/2021	17:18
Vinyl chloride	< 2.00	ug/L	3/10/2021	17:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**102**	64 - 142		3/10/2021	17:18
4-Bromofluorobenzene	**106**	37.2 - 146		3/10/2021	17:18
Pentafluorobenzene	**98.9**	91.4 - 114		3/10/2021	17:18
Toluene-D8	**110**	73.1 - 120		3/10/2021	17:18

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z00103.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier:	MW-27		
Lab Sample ID:	210899-03	**Date Sampled:**	3/9/2021
Matrix:	Groundwater	**Date Received:**	3/9/2021

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Chromium	< 0.0100	mg/L		3/12/2021 18:14
Selenium	< 0.0200	mg/L		3/12/2021 18:14

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 3/11/2021
Data File: 210312B

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: MW-27
Lab Sample ID: 210899-03 **Date Sampled:** 3/9/2021
Matrix: Groundwater **Date Received:** 3/9/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2.00	ug/L		3/10/2021 16:57
1,1,1-Trichloroethane	< 2.00	ug/L		3/10/2021 16:57
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/10/2021 16:57
1,1,2-Trichloroethane	< 2.00	ug/L		3/10/2021 16:57
1,1-Dichloroethane	< 2.00	ug/L		3/10/2021 16:57
1,1-Dichloroethene	< 2.00	ug/L		3/10/2021 16:57
1,1-Dichloropropene	< 2.00	ug/L		3/10/2021 16:57
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/10/2021 16:57
1,2,3-Trichloropropane	< 2.00	ug/L		3/10/2021 16:57
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/10/2021 16:57
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/10/2021 16:57
1,2-Dichlorobenzene	< 2.00	ug/L		3/10/2021 16:57
1,2-Dichloroethane	< 2.00	ug/L		3/10/2021 16:57
1,2-Dichloropropane	< 2.00	ug/L		3/10/2021 16:57
1,3-Dichlorobenzene	< 2.00	ug/L		3/10/2021 16:57
1,3-Dichloropropane	< 2.00	ug/L		3/10/2021 16:57
1,4-Dichlorobenzene	< 2.00	ug/L		3/10/2021 16:57
2,2-Dichloropropane	< 2.00	ug/L		3/10/2021 16:57
Bromochloromethane	< 5.00	ug/L		3/10/2021 16:57
Bromodichloromethane	< 2.00	ug/L		3/10/2021 16:57
Carbon Tetrachloride	< 2.00	ug/L		3/10/2021 16:57
Chlorobenzene	< 2.00	ug/L		3/10/2021 16:57
Chloroethane	< 2.00	ug/L		3/10/2021 16:57

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: MW-27
Lab Sample ID: 210899-03 **Date Sampled:** 3/9/2021
Matrix: Groundwater **Date Received:** 3/9/2021

Chloroform	< 2.00	ug/L	3/10/2021	16:57
Chloromethane	< 2.00	ug/L	3/10/2021	16:57
cis-1,2-Dichloroethene	< 2.00	ug/L	3/10/2021	16:57
cis-1,3-Dichloropropene	< 2.00	ug/L	3/10/2021	16:57
Dibromochloromethane	< 2.00	ug/L	3/10/2021	16:57
Dichlorodifluoromethane	< 2.00	ug/L	3/10/2021	16:57
Methylene chloride	< 5.00	ug/L	3/10/2021	16:57
Tetrachloroethene	< 2.00	ug/L	3/10/2021	16:57
trans-1,2-Dichloroethene	< 2.00	ug/L	3/10/2021	16:57
trans-1,3-Dichloropropene	< 2.00	ug/L	3/10/2021	16:57
Trichloroethene	< 2.00	ug/L	3/10/2021	16:57
Trichlorofluoromethane	< 2.00	ug/L	3/10/2021	16:57
Vinyl chloride	< 2.00	ug/L	3/10/2021	16:57

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**100**	64 - 142		3/10/2021	16:57
4-Bromofluorobenzene	**99.3**	37.2 - 146		3/10/2021	16:57
Pentafluorobenzene	**98.0**	91.4 - 114		3/10/2021	16:57
Toluene-D8	**108**	73.1 - 120		3/10/2021	16:57

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z00102.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: Trip Blank T1033
Lab Sample ID: 210899-04 **Date Sampled:** 3/5/2021
Matrix: Water **Date Received:** 3/9/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2.00	ug/L		3/10/2021 16:36
1,1,1-Trichloroethane	< 2.00	ug/L		3/10/2021 16:36
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/10/2021 16:36
1,1,2-Trichloroethane	< 2.00	ug/L		3/10/2021 16:36
1,1-Dichloroethane	< 2.00	ug/L		3/10/2021 16:36
1,1-Dichloroethene	< 2.00	ug/L		3/10/2021 16:36
1,1-Dichloropropene	< 2.00	ug/L		3/10/2021 16:36
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/10/2021 16:36
1,2,3-Trichloropropane	< 2.00	ug/L		3/10/2021 16:36
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/10/2021 16:36
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/10/2021 16:36
1,2-Dichlorobenzene	< 2.00	ug/L		3/10/2021 16:36
1,2-Dichloroethane	< 2.00	ug/L		3/10/2021 16:36
1,2-Dichloropropane	< 2.00	ug/L		3/10/2021 16:36
1,3-Dichlorobenzene	< 2.00	ug/L		3/10/2021 16:36
1,3-Dichloropropane	< 2.00	ug/L		3/10/2021 16:36
1,4-Dichlorobenzene	< 2.00	ug/L		3/10/2021 16:36
2,2-Dichloropropane	< 2.00	ug/L		3/10/2021 16:36
Bromochloromethane	< 5.00	ug/L		3/10/2021 16:36
Bromodichloromethane	< 2.00	ug/L		3/10/2021 16:36
Carbon Tetrachloride	< 2.00	ug/L		3/10/2021 16:36
Chlorobenzene	< 2.00	ug/L		3/10/2021 16:36
Chloroethane	< 2.00	ug/L		3/10/2021 16:36

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 210899

Client: **Lu Engineers, Inc.**

Project Reference: N/A

Sample Identifier: Trip Blank T1033
Lab Sample ID: 210899-04 **Date Sampled:** 3/5/2021
Matrix: Water **Date Received:** 3/9/2021

Chloroform	< 2.00	ug/L	3/10/2021	16:36
Chloromethane	< 2.00	ug/L	3/10/2021	16:36
cis-1,2-Dichloroethene	< 2.00	ug/L	3/10/2021	16:36
cis-1,3-Dichloropropene	< 2.00	ug/L	3/10/2021	16:36
Dibromochloromethane	< 2.00	ug/L	3/10/2021	16:36
Dichlorodifluoromethane	< 2.00	ug/L	3/10/2021	16:36
Methylene chloride	< 5.00	ug/L	3/10/2021	16:36
Tetrachloroethene	< 2.00	ug/L	3/10/2021	16:36
trans-1,2-Dichloroethene	< 2.00	ug/L	3/10/2021	16:36
trans-1,3-Dichloropropene	< 2.00	ug/L	3/10/2021	16:36
Trichlorofluoromethane	< 2.00	ug/L	3/10/2021	16:36
Vinyl chloride	< 2.00	ug/L	3/10/2021	16:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**101**	64 - 142		3/10/2021	16:36
4-Bromofluorobenzene	**104**	37.2 - 146		3/10/2021	16:36
Pentafluorobenzene	**98.4**	91.4 - 114		3/10/2021	16:36
Toluene-D8	**109**	73.1 - 120		3/10/2021	16:36

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z00101.D

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.

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, tern 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 wi 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 th 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.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM

REPORT TO:		INVOICE TO:		
CLIENT:	Lu Engineers	CLIENT:	SAME	LAB PROJECT ID: 210899
ADDRESS:	339 East Avenue, Suite 200	ADDRESS:		Quotation #:
CITY:	Rochester STATE: NY ZIP: 14604	CITY: STATE: ZIP:		
PHONE:	585-385-7417	PHONE:		Email: gregandris@lueng ineers.com kmacolli@lueng ineers.com
ATTN:	Greg Andris	ATTN:		

PROJECT REFERENCE

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

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOC (chlorinated solvents)	Se, total chromium								REMARKS	PARADIGM LAB SAMPLE NUMBER
3/9/21	9:50		X	MW-16 (MS/MSD)	WG	9	X	X									01
"	11:30		X	MW-17	"	3	X	X									02
"	10:40		X	MW-27	"	3	X	X									03
3/5/21	—			Trip Blank T1033 m 3/9/21	W	1	X									2°C iced 3/9/21 1246 custody seals N/A client delivered mm 3/9/21	04

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	X
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B	X		
Rush 1 day					
Date Needed _____ please indicate date needed: _____		Other please indicate package needed: _____		Other EDD please indicate EDD needed: _____	

Klajdi Macolli	3/9/21	Sampled By / Date/Time	Total Cost:
Klajdi Macolli	3/9/21 12:45	Relinquished By / Date/Time	
	3/9/2021 1245	Received By / Date/Time	P.I.F.
	3/9/21 1251	Received @ Lab By / Date/Time	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: Lu Eng **Completed by:** Molly Kail

Lab Project ID: 210899 **Date:** 3/9/21

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	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	VOA		met
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		met
Comments	2°C i cul		
Compliant Sample Quantity/Type	X		
Comments	No bottle cards for metals, taken in uncert. bottles		

SITE-WIDE INSPECTION FORM

Orchard-Whitney #E828123
City of Rochester, Monroe County

NAME OF INSPECTOR: _____Klajdi Macolli_____

COMPANY OF INSPECTOR: _____Lu Engineers_____

DATE OF INSPECTION: _____03/09/2021_____ _____

CURRENT USE OF SITE: _____Vacant_____

HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ YES ____X___ NO
IF YES, THEN EXPLAIN: _____
_____
_____

GENERAL DESCRIPTION OF SITE CONTROLS: _____
_____
_____
_____
_____

HAS THE SITE COVER (CAP) BEEN COMPROMISED? _____YES ____X____NO
IF YES, THEN EXPLAIN: _____
_____
_____
_____
_____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION?
_____ YES ____X_____NO
IF YES, THEN EXPLAIN: _____
_____
_____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____YES ____X____NO
IF YES, THEN EXPLAIN: _____
_____
_____

IS ANY MAINTENANCE OF THE SITE CONTROLS REQUIRED?
_____YES ___X____NO
IF YES, THEN EXPLAIN: _____
_____
_____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:
_____
_____
_____
_____

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE
MARKED IN THE CORRESPONDING LOCATION ON THE ATTACHED MAP

Groundwater Sampling
Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Orchard-Whitney Site
Job # 4216-09
Location ID MW-16
Field Sample ID
Sampling Event # _ _
Activity Time 9:25 am
Sample Time 9:50am
Date 3/9/2020

SAMPLING NOTES

Initial Depth to Water 7.40 feet
Measurement Point TOR
Well Diameter 2"
Final Depth to Water 7.93 feet
Well Depth 9.50 feet
Well Integrity:
Screen Length feet
Pump Intake Depth
Cap ✓
Total Volume Purged gallons
PID Well Head
Casing ✓
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Locked X
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth
Collar ✓

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
9:30	7.80		8.1	11.68	0.52	10.25	1.038	131.8	
9:35	7.82		8.1	11.67	0.47	7.3	1.023	122.8	
9:40	7.92		8.1	11.68	0.43	2.72	1.025	113.4	
9:45	7.93		8.1	11.69	0.47	1.28	1.014	103.6	
9:50	7.93		8.1	11.69	0.50	1.38	1.012	95.1	

Purge Observations:
Purge Water Containerized:

EQUIPMENT DOCUMENTATION

YSI Multiparameter, Peristatic Pump
ORS Interface Probe
Calibrated: yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs		Yes
Selenium, Chromium		Yes
MS/MSD		Yes

LOCATION NOTES

Signature:
Checked By:

Groundwater Sampling
Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Orchard-Whitney Site
Job # 4216-09
Location ID MW-17
Field Sample ID _____
Sampling Event # _ _
Activity Time 10:55 am
Sample Time 11:25am
Date 3/9/2020

SAMPLING NOTES

Initial Depth to Water 7.30 feet
Measurement Point TOR
Well Diameter 2"
Final Depth to Water 9.20 feet
Well Depth 14.70 feet
Well Integrity:
Screen Length _____ feet
Pump Intake Depth _____
Cap ✓
Total Volume Purged _____ gallons
PID Well Head _____
Casing ✓
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Locked ✓
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth
Collar ✓

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
11:00	8.25		8.5	7.10	3.18	22.7	1.088	103.9	
11:05	8.50		8.2	6.99	3.06	19.3	1.094	109.0	
11:10	9.20		8.3	6.95	2.72	14.2	1.111	112.7	
11:15	9.23		8.3	6.92	2.48	11.19	1.124	116.3	
11:20	9.23		8.3	6.91	2.46	7.72	1.123	118.6	
11:25	9.20		8.4	6.90	2.41	7.62	1.123	120.5	

Purge Observations: _____
Purge Water Containerized: _____

EQUIPMENT DOCUMENTATION

YSI Multiparameter, Peristatic Pump
ORS Interface Probe
Calibrated: yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs		Yes
Selenium, Chromium		Yes

LOCATION NOTES

Signature: _____
Checked By: _____

Groundwater Sampling
Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Orchard-Whitney Site
Job # 4216-09
Location ID MW-27
Field Sample ID _____
Sampling Event # _ _
Activity Time 10:10 am
Sample Time 10:40am
Date 3/9/2020

SAMPLING NOTES

Initial Depth to Water 16.62 feet
Measurement Point TOR
Well Diameter 2"
Final Depth to Water 17.80 feet
Well Depth 33.65 feet
Well Integrity:
Screen Length _____ feet
Pump Intake Depth _____
Cap ✓
Total Volume Purged _____ gallons
PID Well Head _____
Casing ✓
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Locked ✓
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth
Collar ✓

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:15	17.00		11.0	160.6	6.60	14.8	1.230	148.5	
10:20	17.15		11.5	108.5	2.97	16.2	1.267	110.0	
10:25	17.38		11.6	7.90	0.55	6.31	1.308	4.0	
10:30	17.44		11.6	7.62	0.37	2.77	1.307	-13.6	
10:35	17.80		11.7	7.49	0.32	2.19	1.308	-21.7	
10:40	17.80		11.7	7.38	0.27	1.24	1.308	-27.2	

Purge Observations: _____
Purge Water Containerized: _____

EQUIPMENT DOCUMENTATION

YSI Multiparameter, Peristatic Pump
ORS Interface Probe
Calibrated: yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs		Yes
Selenium, Chromium		Yes

LOCATION NOTES

Signature: _____
Checked By: _____