

February 3, 2025

Ms. Megan Kuczka  
Environmental Program Specialist 1  
New York State Department of Environmental Conservation  
Division of Environmental Remediation, Region 9  
700 Delaware Avenue  
Buffalo, New York 14209

Re: 1827 Fillmore Avenue  
BCP Site No. C915279  
Site Management Plan Errata Sheet

Dear Ms. Kuczka:

On behalf of 1827 Fillmore LLC, Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Errata Sheet to the November 2019 Site Management Plan (SMP) prepared by Benchmark Environmental Engineering & Science, PLLC in association with TurnKey Environmental Restoration, LLC (Benchmark-TurnKey). The changes described herein as well as the attached revised tables, figures, and appendices supersede those in the approved SMP. Once approved by the New York State Department of Environmental Conservation (NYSDEC or the Department), this Errata Sheet will be included with the client's and document repository's copy of the November 2019 SMP and noted on the SMP cover page as Revision No. 1.

Roux herein updates the following components of the NYSDEC-approved November 2019 SMP.

**Cover Page and Table of Contents:** The cover page and table of contents have been revised and are included as part of this Errata.

**ES Executive Summary:** The Executive Summary has been revised accordingly:

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

Site Identification: 1827 Fillmore Avenue Site - C915279

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Institutional Controls: | 1. The property may be used for commercial and industrial use as described in 6 NYCRR Part 375-1.8(g), although land is subject to local zoning laws; |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>2. ICs include:</p> <ul style="list-style-type: none"><li>• The property may be used for commercial use;</li><li>• All ECs must be operated and maintained as specified in this SMP;</li><li>• All ECs must be inspected at a frequency and in a manner defined in the SMP;</li><li>• The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie 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;</li><li>• Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;</li><li>• Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;</li><li>• All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;</li><li>• Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;</li><li>• Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;</li><li>• Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;</li><li>• The potential for vapor intrusion must be evaluated for any buildings developed in the area and any potential impacts that are identified must be monitored or mitigated; and</li></ul> <p>Vegetable gardens and farming on the site are prohibited.</p> |
|                       | <p>3. All ECs must be inspected at a frequency and in a manner defined in the SMP.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                       | <p>1. Cover System</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Engineering Controls: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Site Identification: 1827 Fillmore Avenue Site - C915279

| Inspections:              | Frequency |
|---------------------------|-----------|
| 1. Cover inspection       | Annually  |
| Reporting:                |           |
| 2. Periodic Review Report | Triennial |

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

**Section 1.2 – Revisions:** This section has been replaced with the following language:

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

The following text has been added to this Section:

“The original SMP was prepared by Benchmark-TurnKey on behalf of 1827 Fillmore LLC and approved by the NYSDEC in December 2019. This SMP Errata Sheet documents decommissioning of the groundwater monitoring wells that were installed for remedial monitoring at the Site.

As part of the 2024 Periodic Review Report (PRR) submitted April 2024 and revised May 2024, Roux recommended discontinuance of groundwater sampling based on the results of the October 2023 groundwater monitoring event and revising the PRR reporting frequency from annual to triennial. In a letter dated May 17, 2024, the NYSDEC approved this request.

On July 17, 2024, monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5R, MW-7, MW-9, and MW-10 were decommissioned in accordance with NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy. Appendix B includes the monitoring well decommissioning logs. The 2024-2027 PRR will include a detailed description of the work performed.”

**Section 1.3 – Notifications:** Table 1 has been revised to provide updated NYSDEC notification contact information.

The following language replaces the bullet list in this Section:

“1. 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6 NYCRR Part 375 and/or Environmental Conservation Law.

2. 7-day advance notice of any field activity associated with the remedial program.
3. 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan. If the ground-intrusive activity qualifies as a change of use as defined in 6 NYCRR Part 375, the above-mentioned 60-day advance notice is also required.
4. Notice within 48 hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
5. Notice within 48 hours of any non-routine maintenance activities.
6. Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
7. Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

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

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

**Section 2.1 – Site Location and Description:** The second sentence has been replaced with the following language:

"The site is an approximately 17.11-acre area and is bounded by the Kensington Expressway (Route 33) to the north with commercial and residential properties beyond; Buffalo Public School #89, Dr. Lydia T. Wright School of Excellence and athletic fields to the south with Appenheimer Avenue beyond; Erie County Medical Center (ECMC) and Buffalo Public School #84 to the east; and Fillmore Avenue to the west with commercial properties and the Kensington Expressway beyond (see Figure 2)."

**Section 2.2.3 – Hydrogeology:** The last sentence has been replaced with the following language:

"Figure 3 is a groundwater contour map prepared using groundwater elevation data from October 2023. Groundwater monitoring well construction logs are provided in Appendix B."

**Section 2.3 - Investigation and Remedial History:** The following language has been added to the beginning of the Section:

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



**Section 2.3.2 – Remedial Action Activities:** The Section with the heading TP-25/SS-13 Area PAH-Impacted Hotspot, bullet 2 has been updated with the following language:

- “Collection of end-point samples for analysis of PAHs. End-point samples included 20 floor samples and 12 perimeter samples. All end-point samples were below the SSAL of 500 mg/kg for total PAHs (see Table 4 and Figure 6).”

**Section 2.5.2 – Groundwater:** This Section has been removed as groundwater monitoring discontinuance was approved by the NYSDEC on May 17, 2024.

**Section 3.1 – General:** The following language replaces the first paragraph:

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

The last bullet point has been updated with the following language:

- “Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the Site remedy, as determined by the NYSDEC project manager.”

**Section 3.2 – Institutional Controls:** The bullet list in this Section has been updated with the following text:

- The property may be used for commercial use;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

- The potential for vapor intrusion must be evaluated for any buildings developed in the area and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the site are prohibited.”

**Section 3.3.1 – Cover:** This section has been updated accordingly:

“Exposure to remaining contamination at the Site is prevented by a cover system placed over the Site. This cover system is comprised of the following: Vegetated Soil Cover – most of the Site is covered by a vegetated soil cover system. The vegetated soil cover consists of a minimum of 12 inches of DER-10 compliant soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer to prevent human exposure to contaminated soil/fill remaining at the Site, Asphalt Paved Road – the existing and repaired asphalt roadway along the southern property boundary, and an Asphalt Parking Lot – the area associated with the ECMC asphalt parking lot on the eastern portion of the Site. The cover system in this area consists of asphalt pavement and sub-base underlain by geotextile fabric. Figure 10 presents the location of the cover system and applicable demarcation layers.

The Excavation Work Plan (EWP) provided in Appendix C outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) prepared for the site and provided in Appendix E. Any breach of the site’s cover system must be overseen by a Professional Engineer (PE) who is licensed and registered in New York State or a qualified person who directly reports to a PE who is licensed and registered in New York State.”

**Section 3.3.2 – Criteria for Completion of Remediation/Termination of Remedial Systems:** This Section has been updated with the following language:

“The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems, or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, criteria for completion/termination of such components are not included in this SMP.”

**Section 3.3.2.1 Cover System:** This Section has been replaced with the following language:

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

**Section 4.1 – General:** This Section has been removed as groundwater monitoring discontinuance was approved by the NYSDEC on May 17, 2024.

**Section 4.2 Site-Wide Inspection:** This Section is now Section 4.1 and has been replaced with the following language:

“Site-wide inspections will be performed at a minimum of once per year (annually). These periodic inspections must be conducted when the ground surface is visible (i.e. no snow cover). Site-wide inspections will be performed by a qualified environmental professional as defined in 6 NYCRR Part

375, a PE who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York. Modification to the frequency or duration of the inspections will require approval from the NYSDEC project manager. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in Appendix F – Site Management Forms. The form will compile sufficient information to assess the following:”

The following bullet has been added to the bullet list:

- “Whether storm water management systems, such as basins and outfalls, are working as designed.”

The following language replaces the last paragraph of this Section:

“Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs, occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the site, verbal notice to the NYSDEC project manager must be given by noon of the following day. In addition, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the site by a qualified environmental professional, as defined in 6 NYCCR Part 375. Written confirmation must be provided to the NYSDEC project manager within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public. The Remedial Party will submit follow-up status reports to the NYSDEC within 45 days of the event on actions taken to respond to any emergency event requiring ongoing responsive action, describing and documenting actions taken to restore the effectiveness of the ECs.”

**Section 4.3 – Post-Remediation Media Monitoring and Sampling:** This Section has been removed in as much as the discontinuance of groundwater monitoring was approved by the NYSDEC on May 17, 2024.

**Section 5.1 General:** This Section has been updated with the following language:

"The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems, or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this SMP."

**Section 6.1 – Climate Change Vulnerability Assessment:** This Section has been replaced with the following language:

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

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

- **Flood Plain:** According to the FEMA Flood Map Service Center, the Site is in an area with minimal flood hazard. This Site condition is not a threat to climate change.
- **Site Drainage and Storm Water Management:** Other than a portion of an asphalt paved parking lot to the east and an asphalt paved driveway on the south portion of the Site, the Site consists of a vegetated soil cover that allows for infiltration and direct communication with the aquifer.
- **Erosion:** No areas of the Site show evidence of erosion.
- **High Wind:** There are areas on-site susceptible to damage from the wind itself or falling objects, such as trees or utility structures during periods of high wind.
- **Electricity:** No areas of the Site would be susceptible to power loss and/or dips/surges in voltage during severe weather events, including lightning strikes.
- **Spill/Contaminant Release:** The Site would not be susceptible to a spill or other contaminant release due to storm-related damage caused by flooding, erosion, high winds, and/or loss of power.”

**Section 6.2 – Green Remediation Evaluation:** The second paragraph has been deleted and the following Sections have been added:

**Section 6.2.1 – Remedial Systems:** The Site remedy did not rely on any mechanical systems.

**Section 6.2.2 – Building Operations:** Any future structures, including buildings and sheds, will be operated, and maintained to provide for the most efficient operation, while minimizing energy, waste generation, and water consumption.

**Section 6.2.3 – Frequency of System Checks, Sampling and Other Periodic Activities:** Transportation to and from the Site and the use of consumables in relation to visiting the Site for annual site inspections have direct and/or inherent energy costs. The schedule and/or means of the annual site inspection have been prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources.

**Section 6.2.5 - Metrics and Reporting:**

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

**Section 6.3 – Remedial System Optimization:** This Section has been replaced with the following language:

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

- Previously unidentified source material may be suspected;
- Site conditions change due to development, change of use, change in groundwater use, etc.; or
- There is an anticipated transfer of the site management to another remedial party or agency.

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

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

**Section 7.1 - Site Management Reports:** This Section has been replaced with the following language:

“All site management inspection and maintenance events will be recorded on the appropriate site management forms provided in Appendix F. These forms are subject to NYSDEC revision. All site management inspections will be conducted by a qualified environmental professional as defined in 6NYCRR Part 375, a Professional Engineer (PE) who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State.

All applicable inspection forms generated for the Site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of Table 12 and summarized in the Periodic Review Report.

All interim inspection reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and
- Any observations, conclusions, or recommendations.

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

- Date of event;
- Name, company, and position of person(s) conducting maintenance activities;

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

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

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

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

Additionally, Table 13 (now Table 12) has been revised to reflect the updated scheduling of monitoring/inspections and removal of the groundwater monitoring task.

**Section 7.2 – Periodic Review Report:** This Section has been replaced with the following language:

“The frequency of PRR submittals is triennially as approved by NYSDEC on May 17, 2024. If the Site is subdivided into separate parcels with different ownership, a single PRR will be prepared that addresses the site described in Appendix A – Environmental Easement. The PRR will be prepared in accordance with NYSDEC’s DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into PRR. The report will include:

- Identification, assessment, and certification of all ECs/ICs required by the remedy for the site.
- Results of the required annual site inspections and severe condition inspections, if applicable.
- Description of any change of use, import of materials, or excavation that occurred during the certifying period.
- All applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
- Identification of any wastes generated during the reporting period, along with waste characterization data, manifests, and disposal documentation.
- Historic data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These tables and figures will

include a presentation of all past data as part of an evaluation of contaminant concentration trends, including but not limited to:

- Trend monitoring graphs that present groundwater contaminant levels from before the start of the remedy implementation to the most current sampling data;
  - Trend monitoring graphs depicting system influent analytical data on a per event and cumulative basis;
  - O&M data summary tables;
  - A groundwater elevation contour map for each gauging event.
- A site evaluation, which includes the following:
  - The compliance of the remedy with the requirements of the site-specific Decision Document;
  - Any new conclusions or observations regarding site contamination based on inspections;
  - An update to the climate change vulnerability assessment if site or external conditions have changed since the previous assessment, and recommendations to address vulnerabilities;
  - A summary of the Green Remediation evaluation, including a quantitative and qualitative overview of a site's environmental impacts and recommendations to improve the remedy's environmental footprint. The PRR will include the completed Summary of Green Remediation Metrics form provided in Appendix F; and
  - The overall performance and effectiveness of the remedy.”

**Section 7.4 – Remedial Optimization Report:** This Section has been added:

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

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

**Figures:** Figure 10 (Groundwater Monitoring Plan) has been removed. The following updated figures are attached:

- Figure 3 (Groundwater Isopotential Map): Updated map with most recent groundwater data from October 2023.
- Figure 10 (Cover System Layout and Details): Updated map with most recent cover system details dated March 2024. The CAMP station location has been added to this figure.



**Tables:** Table 1 has been updated and Table 12 (Monitoring Well Construction Details) has been removed. Table 13 (now Table 12) has been revised to reflect an annual site inspection and triennial PRR submittal. Table 13 (Post-Remedial Groundwater Sampling Results) has been added.

**Appendix B – Test Pit, Boring, & Monitoring Well Construction Logs:** The test pit logs have been removed from Appendix B and the attached monitoring well decommissioning logs have been added.

**Appendix C – Excavation Work Plan:**

**Section C1 – Notifications:** The first paragraph has been revised accordingly:

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

**Table 1: Notifications**

|                                                             |                                                |
|-------------------------------------------------------------|------------------------------------------------|
| Megan Kuczka<br>NYSDEC Project Manager                      | 716-851-7220<br>Megan.kuczka@dec.ny.gov        |
| Andrea Caprio, P.E.<br>Hazardous Waste Remediation Engineer | 716-851-7220<br>Andrea.Caprio@dec.ny.gov       |
| Kelly Lewandowski<br>NYSDEC Site Control                    | 518-402-9543<br>Kelly.Lewandowski@dec.ny.gov   |
| Steven Berninger<br>NYSDOH Project Manager                  | 518-402-7860<br>Steven.Berninger@health.ny.gov |

The bullets after Table 1 have been updated as follows:

- Bullet 5: A statement that the work will be performed in compliance with this EWP, 29CFR 1910.120, and 29CFR 1926 Subpart P;
- Bullet 8: Identification of sources of any anticipated backfill, along with the required request to import form and all supporting documentation including, but not limited to, chemical testing results.

The following paragraph has been added to the end of this Section:

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



**Section C2 – Soil Screening Methods:** The first paragraph has been updated accordingly:

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

**Section C3 – Material Excavation and Load Out:** The first sentence has been updated accordingly:

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

The following sentence has been added to the end of the third paragraph:

“A site utility stakeout will be completed for all utilities prior to any ground intrusive activities at the site.”

The following sentence has been added to end of the fourth paragraph:

“Trucks transporting contaminated soil must have either tight-fitting opaque covers that are secured on the sides and/or back, or opaque covers that are locked on all sides.”

The following sentence has been added to the last paragraph of this Section:

“Material accumulated from the street cleaning and egress cleaning activities will be disposed off-site at a permitted landfill facility in accordance with all applicable local, State, and Federal regulations.”

**Section C-5 – Material Transport Off-Site:** The second paragraph has been updated accordingly:

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

The third paragraph has been revised accordingly:

“All trucks loaded with site materials will exit the vicinity of the site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.”

**Section C-6: Material Disposal Off-Site:** The first paragraph has been updated accordingly:

“All material excavated and removed from the site will be treated as contaminated and regulated material and will be transported and disposed off-site in a permitted facility in accordance with all local, State and Federal regulations. If disposal of material from this site is proposed for unregulated off-site disposal

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

The third paragraph has been updated accordingly:

“Non-hazardous historic fill and contaminated soils taken off-site will be handled consistent with 6 NYCRR Parts 360, 361, 362, 363, 364 and 365. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State C&D debris recovery facility (6 NYCRR Subpart 361-5 registered or permitted facility).”

**Section C-7 – Materials Reuse On-Site:** The first paragraph and subsequent two bullets have been deleted. The following have been added as paragraphs 2 and 3:

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

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

**Section C-8 – Fluids Management:** The following has been revised:

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

**Section C-9 – Cover System Restoration:** The following has been added to the end of this Section:

“The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.”

**Section C-10 – Backfill From Off-Site Sources:** The following has been revised:

“All materials proposed for import onto the site will be approved by the qualified environmental professional, as defined in 6 NYCRR Part 375, and will be in compliance with provisions in this SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at <http://www.dec.ny.gov/regulations/67386.html>, will be prepared and submitted to the NYSDEC project

manager allowing a minimum of 5 business days for review. A copy of the form is presented in Appendix F.”

The third paragraph has been revised as follows:

“All imported soils will meet the backfill and cover soil quality standards established in 6 NYCRR 375-6.7(d) and DER-10 Appendix 5 for commercial use. Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards are listed in Table 5.4(3)10. Soils that meet ‘general’ fill requirements under 6 NYCRR Part 360.13, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC project manager. Soil material will be sampled for the full suite of analytical parameters, including PFAS and 1, 4-dioxane. Solid waste will not be imported onto the site.

The text beginning with “The criteria under which...” through “Solid waste will not be imported onto the site.” was deleted.

**Section C-12 – Excavation Contingency Plan:** The following has been added to the end of the first paragraph:

“The NYSDEC project manager will be promptly notified of the discovery.”

The second sentence of the second paragraph has been updated accordingly:

“Chemical analysis will be performed for a full list of analytes [TAL metals, TCL volatiles and semi-volatiles (including 1,4-dioxane), TCL pesticides and PCBs, and PFAS], unless the site history and previous sampling results provide sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC project manager for approval prior to sampling. Any tanks will be closed as per NYSDEC regulations and guidance.”

The last paragraph has been updated accordingly:

“Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone within two hours to NYSDEC’s Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.”

**Section C-13 – Community Air Monitoring Plan:** This section has been updated with the following language:

“The Community Air Monitoring Plan (CAMP) will follow the guidance provided in the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan found in Appendix 1A of NYSDEC’s DER-10 *Technical Guidance for Site Investigation and Remediation*. The CAMP for this Site is included as Appendix E of this SMP. The CAMP will be implemented for all intrusive activities beneath the cover system performed at the site. A figure showing the location of air sampling stations based on generally prevailing wind conditions is shown in Figure 10. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations. VOC monitoring will be performed using a PID or other equipment that is capable of calculating 15-minute running average concentrations. All air monitoring equipment will be calibrated at least daily. The 15-minute average concentration will be compared to the levels specified below.

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

**Section C-15 – Dust Control Plan:** The following paragraph has been added to the beginning of this Section:

“Particulate monitoring must be conducted according to the Community Air Monitoring Plan (CAMP) provided in Section C-13. If particulate levels at the site exceed the thresholds listed in the CAMP or if airborne dust is observed on the site or leaving the site, the dust suppression techniques listed below will be employed. The remedial party will also take measures listed below to prevent dust production on the site.”

**Appendix E – HASP:** Appendix E has been updated accordingly:

**Section 1.2 – Background:** The first sentence has been revised as the following:

“The Site consists of one parcel, identified as 1827 Fillmore Avenue, totaling approximately +/- 17.11 acres, located in the City of Buffalo, Erie County, New York.”

**Section 1.3 – Known or Suspected Environmental Conditions:** This section has been replaced with the following language:

“Based on the findings of the RI-AAR, as described above, remedial activities were completed in accordance with the Department approved May 2019 Remedial Action Work Plan. Details of the completed remedial activities are presented below, and more fully documented in the FER.

Benchmark-TurnKey performed bench-scale treatability tests using soil/fill from the TP-13 and SB-21 lead areas, which indicated that blending 5% Portland cement or 0.5% phosphoric acid by weight will stabilize lead to below 5 mg/L TCLP lead. Portland cement was selected as the lead stabilization amendment for the 1827 Fillmore Avenue Site. Remedial activities included (see Figure 4):

**SB-21 Area Lead-Impacted Hotspot**

SB-21 area lead-impacted hotspot remediation and excavation activities were completed between May 15, 2019 and June 10, 2019. The remediation and excavation activities included:

- Excavation of clean overburden soil/fill from grade to a depth of 12 fbg and staged on-Site for reuse as backfill.
- MW-8 was properly decommissioned by Benchmark on May 17, 2019 (see Appendix B).
- Approximately 1,900 cubic yards of characteristic hazardous lead soil/fill from 12-20 fbg in the SB-21 area was treated in-situ using Portland cement for lead stabilization in accordance with the RAWP.
- Approximately 60 tons of lead-impacted soil/fill was excavated by Zoladz Construction, Inc., (Zoladz) and transported off-Site by Gernatt Asphalt Products (9A-537) and D&H Excavating (9A-834) for disposal at Waste Management commercial landfill in Chaffee, New York.
- Based on the relatively high total lead concentration observed in SB-21, approximately 160 tons of soil immediately surrounding sample location SB-21 was stabilized in-situ, excavated to meet the site-specific action level (SSAL) of 3,900 mg/kg, and transported off-Site by Mallare Enterprises (9A-738), Laraba Enterprises (9A-499), and Iroquois Bar Corp. (9A-759) for disposal at Waste Management commercial landfill in Chaffee, New York. Remaining stabilized

soils meeting the SSALs of 3,900 mg/kg total lead and 5 mg/L TCLP lead were backfilled and recompactd at the bottom of the excavation as backfill.

- Collection of 6 post-treatment samples and analyzed for TCLP and total lead. All post treatment samples were below the TCLP lead characteristic hazardous waste threshold of 5 mg/L (see Table 2 and Figure 5).
- Collection of end-point samples for analysis of TCLP and total lead. End-point samples included 14 floor samples and 26 perimeter samples. All end-point samples were below the SSALs of 3,900 mg/kg for total lead and 5 mg/L for TCLP lead (see Table 3 and Figure 5).
- The remaining excavation was backfilled with staged overburden soils and approved soil from the on-site stockpile.

#### TP-25/SS-13 Area PAH-Impacted Hotspot

TP-25/SS-13 area PAH-impacted hotspot excavation activities were completed between June 5, 2019 and June 7, 2019. The excavation activities included:

- Approximately 1,800 tons of PAH-impacted soil fill was excavated to a depth of 2 fbg and transported off-Site by Zoladz Construction (9A-499), Dulski Construction (9A-499), Pariso Trucking (9A-826), Gernatt Asphalt Products (9A-537), Mallare Enterprises (9A-738), and Laraba Enterprises (9A-499) for disposal at Waste Management commercial landfill in Chaffee, New York.
- Collection of end-point samples for analysis of PAHs. End-point samples included 20 floor samples and 14 perimeter samples. All end-point samples were below the SSAL of 500 mg/kg for total PAHs (see Table 4 and Figure 6).
- The area was backfilled using clean approved soil from the on-site stockpile.

#### TP-13 Area Lead-Impacted Hotspot

TP-13 area lead-impacted hotspot remediation and excavation activities were completed between May 28, 2019 and June 7, 2019. The remediation and excavation activities included:

- Excavation of clean overburden soil/fill from grade to a depth of 10 fbg, which was staged on-Site for reuse as backfill.
- In-situ stabilization, using Portland cement, of approximately 1,300 cubic yards of characteristic hazardous lead soil/fill in TP-13 area from 10-17 fbg in accordance with the RAWP.
- Collection of 4 post-treatment samples analyzed for TCLP lead; All post-treatment samples were non-detect (see Table 5 and Figure 7).
- Collection of end-point samples for analysis of TCLP and total lead. End-point samples included 6 floor samples and 6 perimeter samples. All end-point samples were below the SSALs of 3,900 mg/kg for total lead and 5 mg/L for TCLP lead (see Table 6 and Figure 7).
- Stabilized soils were backfilled and recompactd at the bottom of the excavation as backfill.
- The remaining hotspot area was backfilled using staged overburden soils and approved soil from the on-site stockpile.

#### MW-6 Area Lead-Impacted Hotspot

MW-6 area lead-impacted hotspot excavation activities were completed between June 5, 2019 and June 7, 2019. The remediation and excavation activities included:

- Excavation of clean overburden soil/fill from grade to a depth of 8 fbg and staged on-Site for reuse as backfill.

- MW-6 was properly decommissioned by Benchmark on June 21, 2019 (see Appendix B).
- Approximately 270 tons of lead-impacted soil/fill was excavated from a depth of 8-12 fbg and transported off-Site by Gernatt Asphalt Products (9A-537) and D&H Excavating (9A-834) for disposal at Waste Management commercial landfill in Chaffee, New York.
- Collection of end-point samples for analysis of PAHs. End-point samples included 20 floor samples and 12 perimeter samples. All end-point samples were below the SSAL of 500 mg/kg for total PAHs (see Table 4 and Figure 6).
- The area was backfilled using staged overburden soils and clean approved soil from the on-site stockpile.

Details of the completed remedial activities are presented below, and more fully documented in the FER.”

**Section 1.4 – Parameters of Interest: This section has been revised with the following language:**

“Based on the previous investigations, previous Site uses, and RI activities, constituents of potential concern (COPCs) in soil and groundwater at the Site below the cover system above the Unrestricted Use SCOs include VOCs, SVOCs, metals, and pesticides.”

**Appendix F – SMP Forms:** Appendix F has been updated to remove the groundwater monitoring section and add the Green Remediation Metrics Form and Request to Reuse Soil Form.

**Appendix G – FOPs:** Appendix G has been removed and has been replaced with the Remedial System Optimization Table of Contents

**Appendix H – QAPP:** Appendix H has been removed and replaced with a full list of site contacts.

Please contact me if you have any questions or require additional information.

Sincerely,

**ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**



Lori E. Riker, P.E.  
Principal Engineer

Att.

ec: John Kolaga, Esq. (Rupp Pfalzgraf LLC)  
Thomas Quatroche, Jr. (1827 Fillmore LLC)  
Jessica Dombrowski (Roux)

1827 FILLMORE AVENUE  
ERIE COUNTY  
BUFFALO, NEW YORK

---

# SITE MANAGEMENT PLAN

NYSDEC Site Number: C915279

**Prepared for:**

1827 Fillmore Avenue LLC  
424 Main Street, Suite 2000  
Buffalo, NY 14202

**Prepared by:**

Roux Environmental Engineering & Geology, D.P.C.  
2558 Hamburg Turnpike, Suite 300, Buffalo, NY  
716-856-0599

**Revisions to Final Approved Site Management Plan:**

| Revision No. | Date Submitted | Summary of Revision                                                   | NYSDEC Approval Date |
|--------------|----------------|-----------------------------------------------------------------------|----------------------|
| 1            | 11/5/2024      | SMP update based on groundwater sessation and triennial PRR reporting |                      |
| 2            | 1/15/2025      | Revised per NYSDEC comments                                           |                      |
| 3            | 2/3/2025       | Revised per NYSDEC comments                                           |                      |
|              |                |                                                                       |                      |



**SITE MANAGEMENT PLAN  
1827 FILLMORE AVENUE SITE**

**CERTIFICATION STATEMENT**

I, LORI E. RIKER, P.E., certify that I am currently a NYS registered professional engineer and that this February 2025 Site Management Plan Errata Sheet was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and Green Remediation (DER-31).

Lori Riker P.E.  
2/3/2025 DATE



# SITE MANAGEMENT PLAN

## 1827 FILLMORE AVENUE SITE

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# **SITE MANAGEMENT PLAN**

## **1827 FILLMORE AVENUE SITE**

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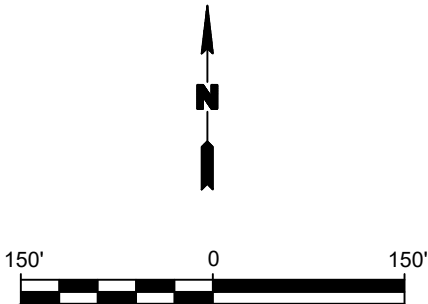
F:\CAD\BENCHMARK\Rupp, Baase, Pfalzgraf & Cunningham LLC\1827 Fillmore Avenue\18 - SMP\2024 SMP Update\Figure 3: Groundwater Isopotential Map (October 2023).DWG



LEGEND:

- PROPERTY BOUNDARY
- FENCE
- MW-9 484.3 RI MONITORING WELL (5)
- MW-5 RI MONITORING WELLS DESTROYED (3)
- MW-2 RI ROCK WELLS (3)
- 484 GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

- Note:
- DEPTH TO WATER MEASUREMENTS MADE BY BENCHMARK ON 10/11/23.
  - GROUNDWATER ELEVATIONS ARE RELATIVE TO AN ARBITRARY BENCHMARK ESTABLISHED ON SITE AT 500'.



Title:  
**GROUNDWATER ISOPOTENTIAL MAP  
(OCTOBER 2023)**

**SITE MANAGEMENT PLAN**

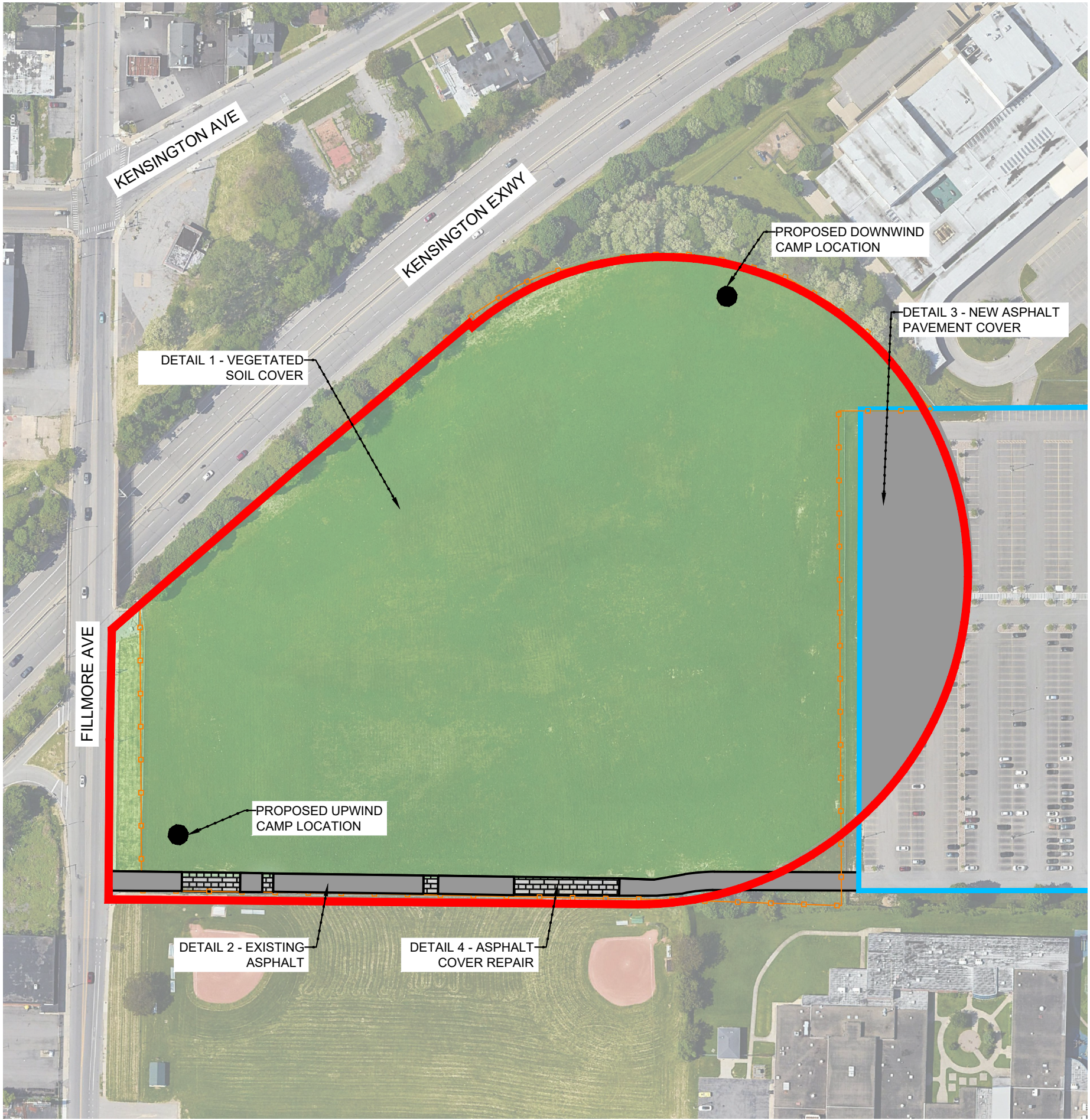
1827 FILLMORE AVENUE SITE (BCP SITE NO. C915279)  
BUFFALO, NEW YORK

Prepared for:  
  
1827 FILLMORE LLC

|                                                                                       |                                                                 |                        |                        |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------|------------------------|
|  | Compiled by:                                                    | Date: APRIL 2024       | FIGURE<br><br><b>3</b> |
|                                                                                       | Prepared by: CMC                                                | Scale: AS SHOWN        |                        |
|                                                                                       | Project Mgr: LER                                                | Project: 4383.0006B000 |                        |
|                                                                                       | File: FIGURE 3: GROUNDWATER ISOPOTENTIAL MAP (OCTOBER 2023).DWG |                        |                        |

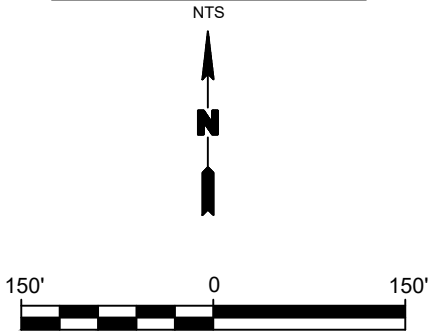
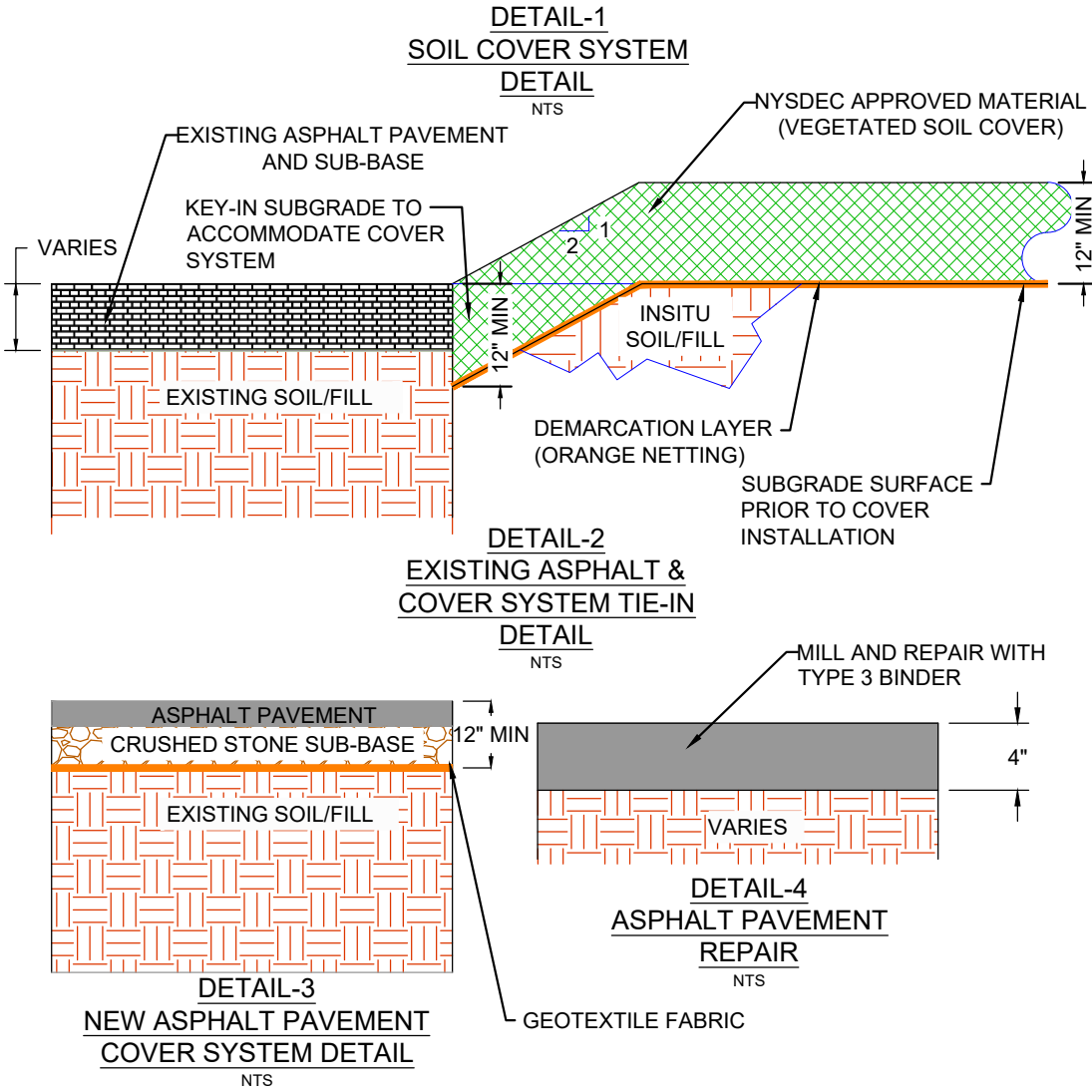


F:\CAD\BENCHMARK\KIRUPP, BAASE, PFALZGRAF & CUNNINGHAM LLC\1827 FILLMORE AVENUE\18 - SMP\2024 SMP UPDATE\FIGURE 10; COVER SYSTEM LAYOUT & DETAIL.DWG



LEGEND:

- BCP PROPERTY BOUNDARY
- VEGETATED SOIL COVER SYSTEM
- ASPHALT REPAIRS (2019)
- PARKING LOT AREA
- ASPHALT PARKING LOT AND DRIVEWAY
- FENCE



Title: COVER SYSTEM LAYOUT & DETAILS

SITE MANAGEMENT PLAN

1827 FILLMORE AVENUE SITE (BCP SITE NO. C915279)  
BUFFALO, NEW YORK

Prepared for: 1827 FILLMORE LLC

|                                                                                       |                                                   |                        |                     |
|---------------------------------------------------------------------------------------|---------------------------------------------------|------------------------|---------------------|
|  | Compiled by:                                      | Date: MARCH 2024       | FIGURE<br><b>10</b> |
|                                                                                       | Prepared by: CMS                                  | Scale: AS SHOWN        |                     |
|                                                                                       | Project Mgr: LER                                  | Project: 4383.0006B000 |                     |
|                                                                                       | File: FIGURE 10; COVER SYSTEM LAYOUT & DETAIL.DWG |                        |                     |



**TABLE 1**

**1827 FILLMORE AVENUE  
BCP SITE NO. C915279  
BUFFALO, NEW YORK**

**SITE MANAGEMENT PLAN**

**NOTIFICATIONS**

| <b>Name</b>                                                         | <b>Contact Information</b>                       | <b>Required Notification**</b> |
|---------------------------------------------------------------------|--------------------------------------------------|--------------------------------|
| <b>Megan Kuczka<br/>NYSDEC Project Manager</b>                      | (716) 851-7220<br>Megan.Kuczka@dec.ny.gov        | All Notifications              |
| <b>Andrea Caprio, P.E.<br/>Hazardous Waste Remediation Engineer</b> | (716) 851-7220<br>Andrea.Caprio@dec.ny.gov       | All Notifications              |
| <b>Kelly Lewandowski<br/>NYSDEC Site Control</b>                    | (518) 402-9543<br>Kelly.Lewandowski@dec.ny.gov   | Notifications 1 and 8          |
| <b>Steven Berninger<br/>NYSDOH Project Manager</b>                  | (518) 402-7860<br>Steven.Berninger@health.ny.gov | Notifications 4, 6, and 7      |

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

\*\* Note: Numbers in this column reference the numbered bullets in the notification list in this section.



**TABLE 12**

**1827 FILLMORE AVENUE  
BCP SITE NO. C915279  
BUFFALO, NEW YORK**

**SITE MANAGEMENT PLAN**

**SCHEDULE OF MONITORING/INSPECTION REPORTS**

| <b>Task/Reporting</b>  | <b>Reporting Frequency</b>                       |
|------------------------|--------------------------------------------------|
| Annual Site Inspection | Annually, or as otherwise approved by the NYSDEC |
| Periodic Review Report | Triennially                                      |



**TABLE 13**  
**POST-REMEDIAL GROUNDWATER SAMPLING RESULTS**

**1827 FILLMORE AVENUE SITE**  
**BUFFALO, NEW YORK**

| LOCATION                                           | Dissolved Lead (ug/L) <sup>2</sup> |           |                   |
|----------------------------------------------------|------------------------------------|-----------|-------------------|
|                                                    | 12/7/2017                          | 10/8/2020 | 10/12/23-10/13/23 |
| <b>NYSDEC Class GA<br/>GWQS<sup>1</sup> (ug/L)</b> | <b>25</b>                          | <b>25</b> | <b>25</b>         |
| MW-1                                               | ND                                 | ND        | ND<3.0            |
| MW-2                                               | ND                                 | ND        | ND<3.0            |
| MW-3                                               | ND                                 | ND        | ND<3.0            |
| MW-5 <sup>3</sup>                                  | 6.2 J                              | --        | --                |
| MW-5R <sup>4</sup>                                 | --                                 | 3 J       | 3.0 J             |
| MW-6 <sup>3</sup>                                  | 9.9 J                              | --        | --                |
| MW-7                                               | 4.3 J                              | ND        | ND<3.0            |
| MW-8 <sup>3</sup>                                  | 3.4 J                              | --        | --                |
| MW-9 <sup>4</sup>                                  | --                                 | ND        | 3.1 J             |
| MW-10 <sup>4</sup>                                 | --                                 | ND        | Dry               |

**Notes:**

- 1.Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards (GWQS).
2. Values were reported in mg/L and converted to ug/L for comparison purposes
3. Monitoring location was destroyed during 2019 redevelopment activities
4. Newly installed monitoring well in July 2020.

**Definitions:**

J = Estimated value

ND = Indicates parameter was not detected above method detection limit.

"--" = Not sampled for reason indicated in notes.

Dry = Not sampled as well remained dry after development.

**Project No:** 0421-017-001-004

**Borehole Number:** MW-1

**Project:** 1827 Fillmore Ave, Remedial Investigation

**A.K.A.:**

**Client:** Rupp, Baase, Pfalzgraf & Cunningham

**Logged By:** TAB

**Site Location:** 1827 Fillmore Ave. Buffalo, NY

**Checked By:**



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                                  | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5 25 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|-----------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                             | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                   |                 |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                                   |            |             |               |        |                                   |                 |                                             |
|                    | 0.0             |                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    | -0.2            | <b>Asphalt</b>                                                                                                                                   |            |             |               |        |                                   |                 |                                             |
|                    | 0.2             |                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    |                 | <b>Stone sub-base</b><br>Dark grey, moist, mostly fine gravel, few fine sand,<br>trace non-plastic fines, medium dense, loose when<br>disturbed. | S1         | 28          | 0.9           |        | 0.0                               |                 |                                             |
|                    | -1.5            |                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    | 1.5             | <b>Ash/Fill</b><br>White, moist, ash.                                                                                                            |            |             |               |        |                                   |                 |                                             |
|                    | -2.0            |                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    | 2.0             | No Recovery                                                                                                                                      |            |             |               |        |                                   |                 |                                             |
|                    |                 |                                                                                                                                                  | S2         | 8           | 0.0           |        |                                   |                 |                                             |
|                    | -4.0            |                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    | 4.0             | <b>Re-worked Clay with Fill.</b><br>Reddish brown, moist, mostly, medium plasticity fines,<br>some fine sand, orange brick, cinders and ash.     |            | 100         |               |        | 0.0                               |                 |                                             |
|                    |                 |                                                                                                                                                  |            | 4           |               |        |                                   |                 |                                             |
|                    |                 | Spoon and Auger refusal at 5.4 fbgs.                                                                                                             | S3         |             | 0.6           |        |                                   | Sample location |                                             |
| 5.0                |                 |                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    | -5.4            |                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    | 5.4             | End of Borehole                                                                                                                                  |            |             |               |        |                                   |                 |                                             |

**Drilled By:** Earth Dimensions, Inc.  
**Drill Rig Type:** Diedrich D50  
**Drill Method:** Continuous split spoon sampling  
**Comments:**  
**Drill Date(s):** 11/27/17

**Hole Size:** 8 1/2-inch.  
**Stick-up:** NA  
**Datum:** NA  
**Sheet:** 1 of 1

Project No: 0421-017-001-007

Borehole Number: MW-1

Project: 1827 Fillmore Ave, Remedial Investigation

A.K.A.:

Client: Rupp, Baase, Pfalzgraf & Cunningham

Logged By: TAB

Site Location: 1827 Fillmore Ave. Buffalo, NY

Checked By:



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                                                                                                                                                                                                                             | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5<br>25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|--------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                                                                                                                                                                                        | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                      |               |                                             |
| 0.0                | 0.0<br>0.0      | Ground Surface<br>See borehole log for MW-1.                                                                                                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                             |
| 5.0                | -4.6<br>4.6     | <b>Limestone</b><br>Grey to dark grey limestone bedrock, moderately hard to hard, massively bedded, moderately fractured horizontally along bedding planes<br><br>total water lost approximately 150 gallons.<br><br>Run #1 (4.6 - 12.4)<br>Length 7.8 ft.<br>Recovery 7.7ft<br>percent recovered 99%<br>rock-quality designation (RQD) 97% |            |             |               |        |                                      |               |                                             |
| 12.4               | -12.4<br>12.4   | End of Borehole                                                                                                                                                                                                                                                                                                                             |            |             |               |        |                                      |               |                                             |

Drilled By: Earth Dimensions, Inc.

Drill Rig Type: Diedrich D50

Drill Method: N/Q-2 size double tubed wireline core barrel.

Comments:

Drill Date(s): 7/6/18

Hole Size: 8 1/2-inch.

Stick-up: NA

Datum: NA

Sheet: 1 of 1

**Project No:** 0421-017-001-004

**Borehole Number:** MW-2

**Project:** 1827 Fillmore Ave, Remedial Investigation

**A.K.A.:**

**Client:** Rupp, Baase, Pfalzgraf & Cunningham

**Logged By:** TAB

**Site Location:** 1827 Fillmore Ave. Buffalo, NY

**Checked By:**



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                                                                 | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5 25 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|-----------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                            | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                   |                 |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    | 0.0             | <b>Asphalt</b><br>Asphalt                                                                                                                                                       |            |             |               |        |                                   |                 |                                             |
|                    | -1.0            | <b>Stone sub-base</b><br>Dark grey, moist, mostly fine gravel, few fine sand, trace non-plastic fines, medium dense, loose.                                                     | S1         | 6           | 0.6           |        | 0.0                               |                 |                                             |
|                    | -2.0            | <b>Re-worked Clay with Fill.</b><br>Reddish brown/dark brown, moist, mostly, medium plasticity fines, some fine sand, orange brick, cinders and ash, firm.                      | S2         | 7           | 1.4           |        | 0.0                               | Sample location |                                             |
|                    | -4.0            | As above.                                                                                                                                                                       |            |             |               |        |                                   |                 |                                             |
|                    | -6.0            | As above.                                                                                                                                                                       | S3         | 5           | 1.3           |        | 0.0                               |                 |                                             |
|                    | -7.0            | As above, stiff.                                                                                                                                                                | S4         | 11          | 1.2           |        | 0.0                               |                 |                                             |
|                    | -8.0            | <b>Well Graded Fine Sand (Non-native)</b><br>Black moist, mostly fine to medium sand, trace non-plastic fines, trace fine gravel (angular), medium dense, loose when disturbed. | S5         | 19          | 0.6           |        | 0.0                               |                 |                                             |
|                    | -10.0           | As above.                                                                                                                                                                       |            |             |               |        |                                   |                 |                                             |
|                    | -12.0           | <b>Re-worked Clay Fill</b><br>As (1.0 to 2.0 fbgs) above.                                                                                                                       | S6         | 8           | 1.4           |        | 0.0                               |                 |                                             |
|                    | -14.0           | <b>Limestone Mining Talus</b><br>Grey, moist, mostly fine gravel (lime stone), some coarse sand, loose.                                                                         | S7         | 10          | 0.1           |        | 0.0                               |                 |                                             |
|                    | -14.0           | Spoon and Auger refusal at 14.0 fbgs.                                                                                                                                           |            |             |               |        |                                   |                 |                                             |
|                    | -14.0           | End of Borehole                                                                                                                                                                 |            |             |               |        |                                   |                 |                                             |
| 15.0               |                 |                                                                                                                                                                                 |            |             |               |        |                                   |                 |                                             |

**Drilled By:** Earth Dimensions, Inc.  
**Drill Rig Type:** Diedrich D50  
**Drill Method:** Continuous split spoon sampling  
**Comments:**  
**Drill Date(s):** 11/22/17

**Hole Size:** 8 1/2-inch.  
**Stick-up:** NA  
**Datum:** NA  
**Sheet:** 1 of 1



Project No: 0421-017-001-007

Borehole Number: MW-2

Project: 1827 Fillmore Ave, Remedial Investigation

A.K.A.:

Client: Rupp, Baase, Pfalzgraf & Cunningham

Logged By: TAB

Site Location: 1827 Fillmore Ave. Buffalo, NY

Checked By:



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                                                                                               | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>0 12.5 25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|-------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                                                          | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                     |               |                                             |
| -1.0               | 0.0             | Ground Surface                                                                                                                                                                                                |            |             |               |        |                                     |               |                                             |
|                    | 0.0             | See borehole log for MW-2                                                                                                                                                                                     |            |             |               |        |                                     |               |                                             |
| 4.0                |                 |                                                                                                                                                                                                               |            |             |               |        |                                     |               |                                             |
| 9.0                |                 |                                                                                                                                                                                                               |            |             |               |        |                                     |               |                                             |
| 14.0               | -14.1           | <b>Limestone</b><br>Grey to dark grey limestone bedrock, moderately hard to hard, massively bedded, moderately fractured horizontally along bedding planes<br><br>total water lost approximately 650 gallons. |            |             |               |        |                                     |               |                                             |
| 19.0               | 14.1            | Run #1 (14.1 - 22.5)<br>Length 8.3 ft.<br>Recovery 8.1 ft<br>Percent recovered 98%<br>RQD 90%                                                                                                                 |            |             |               |        |                                     |               |                                             |
| 24.0               |                 | Run #2 (22.5 - 22.7)<br>Length 5.3 ft<br>Recovery 4.9 ft<br>Percent Recovered 92%<br>RQD 88%                                                                                                                  |            |             |               |        |                                     |               |                                             |
|                    | -27.7           | End of Borehole                                                                                                                                                                                               |            |             |               |        |                                     |               |                                             |
|                    | 27.7            |                                                                                                                                                                                                               |            |             |               |        |                                     |               |                                             |
|                    |                 |                                                                                                                                                                                                               |            |             |               |        |                                     |               |                                             |

Drilled By: Earth Dimensions, Inc.  
Drill Rig Type: Diedrich D50  
Drill Method: N/Q-2 size double tubed wireline core barrel.  
Comments:  
Drill Date(s): 7/5/18 and 7/6/18

Hole Size: 8 1/2-inch.  
Stick-up: NA  
Datum: NA  
  
Sheet: 1 of 1

Project No: 0421-017-001-004

Borehole Number: MW-3

Project: 1827 Fillmore Ave, Remedial Investigation

A.K.A.:

Client: Rupp, Baase, Pfalzgraf & Cunningham

Logged By: TAB

Site Location: 1827 Fillmore Ave. Buffalo, NY

Checked By:



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                                                     | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5 25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|-----------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                   |               |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                                                      |            |             |               |        |                                   |               |                                             |
|                    | 0.0             | <b>Asphalt</b><br>Asphalt                                                                                                                                           |            |             |               |        |                                   |               |                                             |
|                    |                 | <b>Stone sub-base</b><br>Dark grey, moist, mostly fine gravel, few fine sand,<br>trace non-plastic fines, medium dense, loose when<br>disturbed.                    | S1         | 18          | 1.1           |        | 1.6                               |               |                                             |
|                    | -2.0<br>2.0     | <b>Non-native sand Fill</b><br>Black/brown, moist, mostly fine sand, trace non-plastic<br>fines, glass, medium dense, loose when disturbed.<br>As above, trace slag | S2         | 16          | 1.7           |        | 0.0                               |               |                                             |
|                    | -4.0<br>4.0     | As above with ash.                                                                                                                                                  |            |             |               |        |                                   |               |                                             |
| 5.0                |                 |                                                                                                                                                                     | S3         | 17          | 1.8           |        | 0.0                               |               |                                             |
|                    | -6.0<br>6.0     | As above, no slag,                                                                                                                                                  | S4         | 12          | 1.6           |        | 0.0                               |               |                                             |
|                    | -8.0<br>8.0     | As above, sand stone fragments, loose.                                                                                                                              | S5         | 7           | 1.4           |        | 0.0                               |               |                                             |
| 10.0               | -10.0<br>10.0   | <b>Re-worked Clay Fill</b><br>Reddish brown, moist mostly medium plasticity fines,<br>some fine sand, with wood, stiff.                                             | S6         | 9           | 1.4           |        | 0.0                               |               |                                             |
|                    | -12.0<br>12.0   | As above.                                                                                                                                                           | S7         | 9           | 0.8           |        | 0.0                               |               |                                             |
|                    | -14.0<br>14.0   | As above.                                                                                                                                                           |            | 50          |               |        |                                   |               |                                             |
| 15.0               |                 |                                                                                                                                                                     | S8         | 5           | 0.6           |        | 0.0                               |               |                                             |
|                    | -15.6<br>15.6   | Spoon and Auger refusal at 15.6 fbgs.                                                                                                                               |            |             |               |        |                                   |               |                                             |
|                    |                 | End of Borehole                                                                                                                                                     |            |             |               |        |                                   |               |                                             |

Drilled By: Earth Dimensions, Inc.  
Drill Rig Type: Diedrich D50  
Drill Method: Continuous split spoon sampling  
Comments:  
Drill Date(s): 11/22/17

Hole Size: 8 1/2-inch.  
Stick-up: NA  
Datum: NA  
Sheet: 1 of 1

Project No: 0421-017-001-007

Borehole Number: MW-3

Project: 1827 Fillmore Ave, Remedial Investigation

A.K.A.:

Client: Rupp, Baase, Pfalzgraf & Cunningham

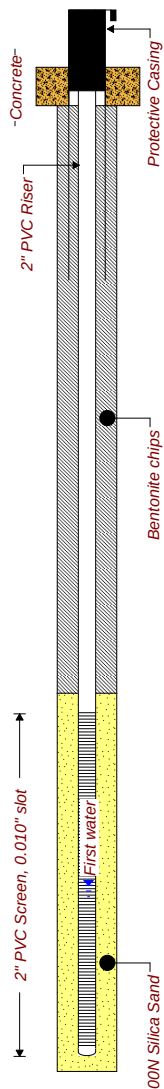
Logged By: TAB

Site Location: 1827 Fillmore Ave. Buffalo, NY

Checked By:



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                                                                                                | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5<br>25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks                                          |
|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|--------------------------------------|---------------|--------------------------------------------------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                                                           | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                      |               |                                                                                      |
| -1.0               | 0.0             | Ground Surface                                                                                                                                                                                                 |            |             |               |        |                                      |               |  |
|                    | 0.0             | See borehole log for MW-3                                                                                                                                                                                      |            |             |               |        |                                      |               |                                                                                      |
| 4.0                |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
| 9.0                |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
| 14.0               |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
| 19.0               | -16.1           | <b>Limestone</b><br>Grey to dark grey limestone bedrock, moderately hard to hard, massively bedded, moderately fractured horizontally along bedding planes.<br><br>Total water lost approximately 400 gallons. |            |             |               |        |                                      |               |                                                                                      |
|                    | 16.1            |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
| 24.0               |                 | Run #1 (16.9 - 17.8')<br>Length 0.9 ft.<br>Recovery 0.9 ft<br>Percent recovered 100%<br>RQD 100%                                                                                                               |            |             |               |        |                                      |               |                                                                                      |
|                    |                 | Run #2 (17.8 - 25.8')<br>Length 8.0 ft<br>Recovery 7.4 ft<br>Percent Recovered 93%<br>RQD 96%                                                                                                                  |            |             |               |        |                                      |               |                                                                                      |
|                    | -25.8           |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    | 25.8            |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 | End of Borehole                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |
|                    |                 |                                                                                                                                                                                                                |            |             |               |        |                                      |               |                                                                                      |

Drilled By: Earth Dimensions, Inc.

Drill Rig Type: Diedrich D50

Drill Method: N/Q-2 size double tubed wireline core barrel.

Comments:

Drill Date(s): 7/3/18

Hole Size: 8 1/2-inch.

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0421-017-001-004

Borehole Number: MW-4

Project: 1827 Fillmore Ave, Remedial Investigation

A.K.A.:

Client: Rupp, Baase, Pfalzgraf & Cunningham

Logged By: TAB

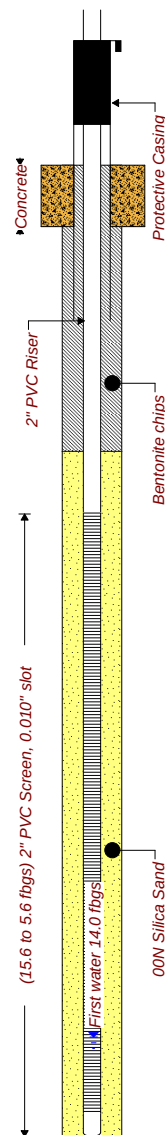
Site Location: 1827 Fillmore Ave. Buffalo, NY

Checked By:



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                               | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5<br>25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|--------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                          | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                      |               |                                             |
| -2.0               |                 |                                                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | 0.0             | Ground Surface                                                                                                                |            |             |               |        |                                      |               |                                             |
|                    | 0.0             | <b>Sandy Lean Clay with Fill</b>                                                                                              |            |             |               |        |                                      |               |                                             |
|                    | -0.5            | Dark brown, moist, mostly low plasticity fines, some fine sand, coal fragments, roots, massive, very stiff.                   | S1         | 26          | 1.6           |        | 1.6                                  |               |                                             |
|                    | 0.5             | <b>Ash/fill</b>                                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | -2.0            | Brown/dark brown, moist, mostly fine sand, little non-plastic fines, little fine gravel (slag), coal fragments, medium dense. | S2         | 9           | 1.3           |        | 0.0                                  |               |                                             |
|                    | 2.0             | <b>Non-Native Sand and Clay with Fill</b>                                                                                     |            |             |               |        |                                      |               |                                             |
|                    | -4.0            | Black, black moist mostly fine to medium sand, trace non-plastic fines, few fine gravels (slag), loose.                       | S3         | 6           | 1.2           |        | 0.0                                  |               |                                             |
|                    | 4.0             | As above with ash, mixed with re-worked clay, yellow brick.                                                                   |            |             |               |        |                                      |               |                                             |
|                    | -6.0            | As above, orange brick, no slag.                                                                                              | S4         | 16          | 1.1           |        | 0.0                                  |               |                                             |
|                    | 6.0             |                                                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | -8.5            | As above with concrete fragments                                                                                              | S5         | 38          | 1.6           |        | 0.0                                  |               |                                             |
|                    | 8.5             |                                                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | -10.0           | <b>Ash/Fill</b>                                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | 10.0            | White, moist, mostly ash with cinders, with brown fine sand.                                                                  | S6         | 11          | 1.3           |        | 0.0                                  |               |                                             |
|                    | -12.0           | As above, as above no fine sand                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | 12.0            |                                                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | -14.0           | As above.                                                                                                                     | S7         | 11          | 1.1           |        | 0.0                                  |               |                                             |
|                    | 14.0            |                                                                                                                               |            |             |               |        |                                      |               |                                             |
|                    | -15.6           | Spoon and Auger refusal at 15.6 fbgs.                                                                                         | S8         | 100         |               |        | 0.0                                  |               |                                             |
|                    | 15.6            | End of Borehole                                                                                                               |            | 5           | 0.8           |        | 0.0                                  |               |                                             |
|                    |                 |                                                                                                                               |            |             |               |        |                                      |               |                                             |



Drilled By: Earth Dimensions, Inc.  
Drill Rig Type: Diedrich D50  
Drill Method: Continuous split spoon sampling  
Comments:  
Drill Date(s): 11/22/17

Hole Size: 8 1/2-inch.  
Stick-up: NA  
Datum: NA  
Sheet: 1 of 1

Project No: 0421-017-001-004

Borehole Number: MW-5

Project: 1827 Fillmore Ave, Remedial Investigation

A.K.A.:

Client: Rupp, Baase, Pfalzgraf & Cunningham

Logged By: TAB

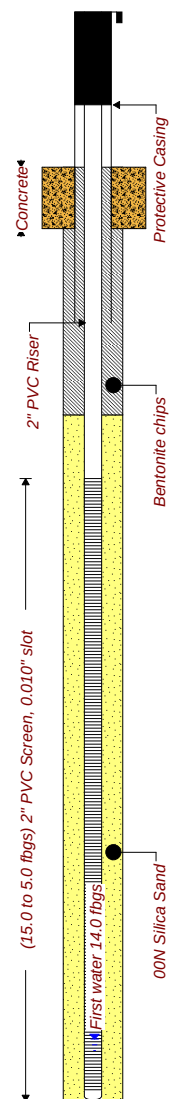
Site Location: 1827 Fillmore Ave. Buffalo, NY

Checked By:



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                        | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5 25 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|-----------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                   | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                   |                 |                                             |
| -2.0               |                 |                                                                                                                                        |            |             |               |        |                                   |                 |                                             |
|                    | 497.8<br>0.0    | Ground Surface                                                                                                                         |            |             |               |        |                                   |                 |                                             |
|                    | 496.8<br>1.0    | <b>Asphalt</b><br>Asphalt                                                                                                              | S1         | 11          | 1.4           |        | 0.0                               |                 |                                             |
|                    | 495.8<br>2.0    | <b>Poorly Graded Gravel</b><br>Grey, moist, mostly fine to coarse gravel, trace non-plastic fines, medium dense, loose when disturbed. |            |             |               |        |                                   |                 |                                             |
| 3.0                |                 | <b>Ash/fill</b><br>White/brown, moist, mostly ash with cinders, loose.<br>As above.                                                    | S2         | 4           | 1.1           |        | 0.0                               |                 |                                             |
|                    | 493.8<br>4.0    | As above.                                                                                                                              | S3         | 4           | 0.9           |        | 0.0                               |                 |                                             |
|                    | 491.8<br>6.0    | As above.                                                                                                                              | S4         | 7           | 1.8           |        | 0.0                               |                 |                                             |
| 8.0                |                 | <b>Non-native Fine Sand</b><br>Black, mostly fine sand, trace non-plastic fines, loose.                                                |            |             |               |        |                                   | Sample location |                                             |
|                    | 489.8<br>8.0    | <b>Ash/fill</b><br>As (6.0 to 7.0 fbgs) above, medium dense.                                                                           | S5         | 20          | 1.6           |        | 0.0                               |                 |                                             |
|                    | 488.3<br>9.5    | <b>Non-native Fine Sand</b><br>As (7.0 to 8.0 above), medium dense..                                                                   |            |             |               |        |                                   |                 |                                             |
|                    | 487.8<br>10.0   | <b>Ash/Fill</b><br>As above, loose                                                                                                     | S6         | 11          | 1.3           |        | 0.0                               |                 |                                             |
| 13.0               |                 | <b>Fill</b><br>Black, moist, mostly fine sand, some non-plastic fines, with orange brick and cinders, loose.                           | S7         | 8           | 0.8           |        | 0.0                               |                 |                                             |
|                    | 485.8<br>12.0   |                                                                                                                                        |            |             |               |        |                                   |                 |                                             |
|                    | 483.8<br>14.0   | As above                                                                                                                               | S8         | 100<br>5    | 0.8           |        | 0.0                               |                 |                                             |
|                    | 482.8<br>15.0   | Spoon and Auger refusal at 15.0 fbgs.                                                                                                  |            |             |               |        |                                   |                 |                                             |
|                    |                 | End of Borehole                                                                                                                        |            |             |               |        |                                   |                 |                                             |



Drilled By: Earth Dimensions, Inc.  
Drill Rig Type: Diedrich D50  
Drill Method: Continuous split spoon sampling  
Comments:  
Drill Date(s): 11/20/17

Hole Size: 8 1/2-inch.  
Stick-up: NA  
Datum: NA  
Sheet: 1 of 1



Project No: 0421-017-001-004

Borehole Number: MW-7

Project: 1827 Fillmore Ave, Remedial Investigation

A.K.A.:

Client: Rupp, Baase, Pfalzgraf & Cunningham

Logged By: TAB

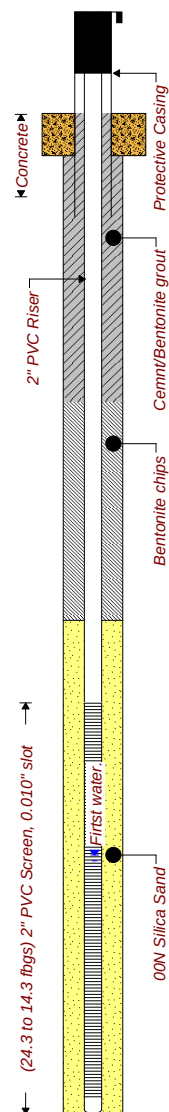
Site Location: 1827 Fillmore Ave. Buffalo, NY

Checked By:



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                      | SAMPLE     |             |               |        | PID<br>VOCs<br><br>ppm<br>12.5 25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|--------|-----------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                 | Sample No. | SPT N-Value | Recovery (ft) | Symbol |                                   |               |                                             |
| -2.0               |                 | Ground Surface                                                                                                       |            |             |               |        |                                   |               |                                             |
|                    | 505.5           |                                                                                                                      |            |             |               |        |                                   |               |                                             |
|                    | 0.0             | <b>Asphalt</b>                                                                                                       |            |             |               |        |                                   |               |                                             |
|                    | 504.5           |                                                                                                                      | S1         | 12          | 1.1           |        | 0.1                               |               |                                             |
|                    | 1.0             | <b>Poorly Graded Gravel</b>                                                                                          |            |             |               |        |                                   |               |                                             |
|                    | 503.5           | Grey, moist, mostly fine to coarse gravel, trace non-plastic fines, medium dense, loose when disturbed.              |            |             |               |        |                                   |               |                                             |
|                    | 2.0             |                                                                                                                      | S2         | 27          | 1.7           |        | 0.1                               |               |                                             |
| 3.0                |                 | <b>Fill</b>                                                                                                          |            |             |               |        |                                   |               |                                             |
|                    | 501.5           | Black/brown, moist, mostly fine sand, little non-plastic fines, orange brick, cinders, ash, medium dense..           |            |             |               |        | 0.0                               |               |                                             |
|                    | 4.0             | As above.                                                                                                            | S3         | 10          | 1.6           |        | 0.0                               |               |                                             |
|                    | 499.5           | <b>Re-worked clay with fill</b>                                                                                      |            |             |               |        |                                   |               |                                             |
|                    | 6.0             | Black/brown, mostly medium plasticity fines, some fine sand (black), with cinders and ash.                           |            |             |               |        | 0.0                               |               |                                             |
|                    | 497.5           | As above, loose.                                                                                                     | S4         | 5           | 1.9           |        | 0.0                               |               |                                             |
|                    | 8.0             | As above, stiff.                                                                                                     |            |             |               |        |                                   |               |                                             |
|                    | 495.5           |                                                                                                                      | S5         | 15          | 1.8           |        | 0.0                               |               | Sample location                             |
|                    | 10.0            | <b>Fill</b>                                                                                                          |            |             |               |        |                                   |               |                                             |
|                    | 493.5           | Dark brown, mostly fine sand, little non-plastic fines, orange brick, ash and cinders, coal fragments, medium dense. | S6         | 15          | 1.7           |        | 0.0                               |               |                                             |
|                    | 12.0            | As above.                                                                                                            |            |             |               |        |                                   |               |                                             |
|                    | 491.5           | As above.                                                                                                            | S7         | 17          | 1.6           |        | 0.0                               |               |                                             |
| 13.0               |                 | As above.                                                                                                            |            |             |               |        |                                   |               |                                             |
|                    | 490.5           | As above.                                                                                                            |            |             |               |        |                                   |               |                                             |
|                    | 15.0            | <b>Ash/fill</b>                                                                                                      | S8         | 11          | 1.6           |        | 0.0                               |               |                                             |
|                    | 489.5           | White, moist, mostly ash with coal fragments and cinders, loose, medium dense.                                       |            |             |               |        |                                   |               |                                             |
|                    | 16.0            | As above, loose.                                                                                                     | S9         | 6           | 1.1           |        | 0.0                               |               |                                             |
| 18.0               |                 | As above, wet (18.0 fbgs).                                                                                           |            |             |               |        |                                   |               |                                             |
|                    | 487.5           |                                                                                                                      | S10        | 7           | 1.3           |        | 0.0                               |               |                                             |
|                    | 18.0            |                                                                                                                      |            |             |               |        |                                   |               |                                             |
|                    | 485.5           | As above.                                                                                                            | S11        | 8           | 0.7           |        | 0.0                               |               |                                             |
|                    | 20.0            |                                                                                                                      |            |             |               |        |                                   |               |                                             |
| 23.0               |                 | <b>Ash/fill</b>                                                                                                      |            |             |               |        |                                   |               |                                             |
|                    | 483.5           | Black, wet, mostly cinders with white ash.                                                                           | S12        | 9           | 1.1           |        | 0.0                               |               |                                             |
|                    | 22.0            |                                                                                                                      |            |             |               |        |                                   |               |                                             |
|                    | 481.2           | Was at spoon refusal from 23.5 to 24.0 fbgs, Augured to 24.3 fbgs where Auger refusal was encountered.               |            | NA          |               |        |                                   |               |                                             |
|                    | 24.3            | End of Borehole                                                                                                      |            |             |               |        |                                   |               |                                             |



Drilled By: Earth Dimensions, Inc.  
Drill Rig Type: Diedrich D50  
Drill Method: Continuous split spoon sampling  
Comments:  
Drill Date(s): 11/27/17

Hole Size: 8 1/2-inch.  
Stick-up: NA  
Datum: NA  
Sheet: 1 of 1

**Project No:** 0421-017-001-004

**Borehole Number:** SB-21-10

**Project:** 1827 Fillmore Ave, SB-21 delineation.

**A.K.A.:**

**Client:** Rupp, Baase, Pfalzgraf & Cunningham

**Logged By:** TAB

**Site Location:** 1827 Fillmore Ave. Buffalo, NY

**Checked By:**



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                        | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 12.5 25 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|----------------------------------------------------------------------------------------|------------|-------------|--------------|--------|-------------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                   | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                     |                 |                                             |
| 0.0                | 504.2<br>0.0    | Ground Surface                                                                         |            |             |              |        |                                     |                 |                                             |
|                    |                 | Auger to 12.0 fbgs see MW-8 soil descriptions.                                         |            |             |              |        |                                     |                 |                                             |
| 5.0                |                 |                                                                                        |            |             |              |        |                                     |                 |                                             |
| 10.0               |                 |                                                                                        |            |             |              |        |                                     |                 |                                             |
|                    | 492.2<br>12.0   | <b>Ash/Fill</b><br>White, moist to wet (13.0 fbgs), mostly ash, coal fragments, loose. | S1         |             | 1.3          |        | 0.2                                 |                 |                                             |
|                    | 490.2<br>14.0   | As above, dark grey, wet, wood and cinders.                                            | S2         |             | 1.0          |        | 0.1                                 | Sample location |                                             |
| 15.0               | 488.2<br>16.0   | As above.                                                                              | S3         |             | 0.5          |        | 0.0                                 |                 |                                             |
|                    | 486.2<br>18.0   | As above, with limestone fragments. spoon and auger refusal ant 19.5 fbgs.             | S4         |             | 0.8          |        | 0.1                                 |                 |                                             |
|                    | 484.7<br>19.5   | Top of rock.                                                                           |            |             |              |        |                                     |                 |                                             |
| 20.0               |                 | End of Borehole                                                                        |            |             |              |        |                                     |                 |                                             |

First water.

**Drilled By:** Earth Dimensions, Inc.

**Drill Rig Type:** Diedrich D50

**Drill Method:** 3 1/4 inch HSA.

**Comments:**

**Drill Date(s):** 3/21/19

**Hole Size:** 7 1/2- inch

**Stick-up:** NA

**Datum:** NA

**Sheet:** 1 of 1

**Project No:** 0421-017-001-004

**Borehole Number:** SB-21-11

**Project:** 1827 Fillmore Ave, SB-21 delineation.

**A.K.A.:**

**Client:** Rupp, Baase, Pfalzgraf & Cunningham

**Logged By:** TAB

**Site Location:** 1827 Fillmore Ave. Buffalo, NY

**Checked By:**



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2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                        | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 12.5 25 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|----------------------------------------------------------------------------------------|------------|-------------|--------------|--------|-------------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                   | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                     |                 |                                             |
| 0.0                | 504.2<br>0.0    | Ground Surface                                                                         |            |             |              |        |                                     |                 |                                             |
|                    |                 | Auger to 12.0 fbgs see MW-8 soil descriptions.                                         |            |             |              |        |                                     |                 |                                             |
| 5.0                |                 |                                                                                        |            |             |              |        |                                     |                 |                                             |
| 10.0               |                 |                                                                                        |            |             |              |        |                                     |                 |                                             |
|                    | 492.2<br>12.0   | <b>Black Sand</b><br>Black, moist, mostly fine sand, trace non plastic fines.          | S1         |             | 1.1          |        | 0.0                                 |                 |                                             |
|                    | 491.2<br>13.0   | <b>Ash/Fill</b><br>White, moist to wet (13.0 fbgs), mostly ash, coal fragments, loose. |            |             |              |        |                                     |                 |                                             |
|                    | 490.2<br>14.0   | As above, dark grey, wet, wood, cinders and brick.                                     | S2         |             | 1.3          |        | 10.2                                | Sample location |                                             |
| 15.0               |                 |                                                                                        |            |             |              |        |                                     |                 |                                             |
|                    | 488.2<br>16.0   | As above with limestone fragments                                                      | S3         |             | 0.2          |        | 0.0                                 |                 |                                             |
|                    | 486.2<br>18.0   | Spoon and auger refusal ant 18.3 fbgs.                                                 | S4         |             | 0.0          |        |                                     |                 |                                             |
|                    |                 | Top of rock.                                                                           |            |             |              |        |                                     |                 |                                             |
| 20.0               |                 | End of Borehole                                                                        |            |             |              |        |                                     |                 |                                             |

First water.

**Drilled By:** Earth Dimensions, Inc.

**Drill Rig Type:** Diedrich D50

**Drill Method:** 3 1/4 inch HSA.

**Comments:**

**Drill Date(s):** 3/21/19

**Hole Size:** 7 1/2- inch

**Stick-up:** NA

**Datum:** NA

**Sheet:** 1 of 1

**Project No:** 0421-017-001-004

**Borehole Number:** SB-21-12

**Project:** 1827 Fillmore Ave, SB-21 delineation.

**A.K.A.:**

**Client:** Rupp, Baase, Pfalzgraf & Cunningham

**Logged By:** TAB

**Site Location:** 1827 Fillmore Ave. Buffalo, NY

**Checked By:**



Benchmark Environmental Engineering & Science, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                                                 |                                                                                                                         | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 12.5 25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|-------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth                                 | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                    | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                     |               |                                             |
| 0.0                | 504.2<br>0.0                                    | Ground Surface                                                                                                          |            |             |              |        |                                     |               |                                             |
|                    |                                                 | Auger to 12.0 fbgs see MW-8 soil descriptions.                                                                          |            |             |              |        |                                     |               |                                             |
| 5.0                |                                                 |                                                                                                                         |            |             |              |        |                                     |               |                                             |
| 10.0               |                                                 |                                                                                                                         |            |             |              |        |                                     |               |                                             |
|                    | 492.2<br>12.0<br>491.7<br>12.5<br>491.2<br>13.0 | <b>Re-worked Clay</b><br>Reddish Brown, moist, mostly medium plasticity fines,<br>some fine sand, with ash and cinders. | S1         |             | 1.7          |        | 0.0                                 |               |                                             |
|                    | 490.2<br>14.0                                   | <b>Black Sand</b><br>Black, moist, mostly fine sand, trace non plastic fines.                                           |            |             |              |        |                                     |               |                                             |
| 15.0               |                                                 | <b>Ash/Fill</b><br>White, moist, mostly ash, coal fragments, loose.                                                     | S2         |             | 0.7          |        | 0.6                                 |               |                                             |
|                    | 488.2<br>16.0                                   | As above, dark grey, wet (14.0 fbgs), wood, cinders<br>and brick.                                                       |            |             |              |        |                                     |               |                                             |
|                    |                                                 | As above with limestone fragments                                                                                       | S3         |             | 0.3          |        | 0.3                                 |               |                                             |
|                    | 486.2<br>18.0<br>485.7<br>18.5                  | Spoon and auger refusal ant 18.5 fbgs.                                                                                  | S4         |             | 0.2          |        | 0.1                                 |               |                                             |
|                    |                                                 | Top of rock.                                                                                                            |            |             |              |        |                                     |               |                                             |
| 20.0               |                                                 | End of Borehole                                                                                                         |            |             |              |        |                                     |               |                                             |

First water.

**Drilled By:** Earth Dimensions, Inc.

**Drill Rig Type:** Diedrich D50

**Drill Method:** 3 1/4 inch HSA.

**Comments:**

**Drill Date(s):** 3/21/19

**Hole Size:** 7 1/2- inch

**Stick-up:** NA

**Datum:** NA

**Sheet:** 1 of 1

**Project No:** 0421-017-001-004

**Borehole Number:** SB-21-13

**Project:** 1827 Fillmore Ave, SB-21 delineation.

**A.K.A.:**

**Client:** Rupp, Baase, Pfalzgraf & Cunningham

**Logged By:** TAB

**Site Location:** 1827 Fillmore Ave. Buffalo, NY

**Checked By:**



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2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>12.5<br>25 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|--------------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                           | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                      |                 |                                             |
| 0.0                | 0.0<br>0.0      | Ground Surface                                                                                                                 |            |             |              |        |                                      |                 |                                             |
|                    |                 | Auger to 12.0 fbgs see MW-8 soil descriptions.                                                                                 |            |             |              |        |                                      |                 |                                             |
| 5.0                |                 |                                                                                                                                |            |             |              |        |                                      |                 |                                             |
| 10.0               |                 |                                                                                                                                |            |             |              |        |                                      |                 |                                             |
| -12.0<br>12.0      |                 | <b>Black Sand</b><br>Black, moist, mostly fine sand, trace non plastic fines,<br>mixed with ash and glass                      | S1         |             | 1.4          |        | 0.0                                  |                 |                                             |
| -14.0<br>14.0      |                 | As above.                                                                                                                      | S2         |             | 0.6          |        | 0.0                                  | Sample location |                                             |
| -16.0<br>16.0      |                 | <b>Ash/Fill</b><br>Dark grey/black, wet (16.0 fbgs), mostly ash, glass and<br>wood fragments, with angular lime stone peicies. | S3         |             | 0.7          |        | 0.0                                  |                 |                                             |
| -18.0<br>18.0      |                 | Augered to refusal at 19.8 fbgs.                                                                                               |            |             |              |        |                                      |                 |                                             |
| -19.8<br>19.8      |                 | End of Borehole                                                                                                                |            |             |              |        |                                      |                 |                                             |
| 20.0               |                 |                                                                                                                                |            |             |              |        |                                      |                 |                                             |

First water.

**Drilled By:** Earth Dimensions, Inc.

**Drill Rig Type:** Diedrich D50

**Drill Method:** 3 1/4 inch HSA.

**Comments:**

**Drill Date(s):** 3/21/19

**Hole Size:** 7 1/2- inch

**Stick-up:** NA

**Datum:** NA

**Sheet:** 1 of 1

**Project No:** 0421-017-001-004

**Borehole Number:** SB-21-9

**Project:** 1827 Fillmore Ave, SB-21 delineation.

**A.K.A.:**

**Client:** Rupp, Baase, Pfalzgraf & Cunningham

**Logged By:** TAB

**Site Location:** 1827 Fillmore Ave. Buffalo, NY

**Checked By:**



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Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                     | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>12.5 25 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|---------------------------------------------------------------------|------------|-------------|--------------|--------|-----------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                   |                 |                                             |
| 0.0                | 504.2<br>0.0    | Ground Surface                                                      |            |             |              |        |                                   |                 |                                             |
|                    |                 | Auger to 12.0 fbgs see MW-8 soil descriptions.                      |            |             |              |        |                                   |                 |                                             |
| 5.0                |                 |                                                                     |            |             |              |        |                                   |                 |                                             |
| 10.0               |                 |                                                                     |            |             |              |        |                                   |                 |                                             |
|                    | 492.2<br>12.0   | <b>Ash/Fill</b><br>White, moist, mostly ash, coal fragments, loose. | S1         |             | 1.2          | ▲      | 0.1                               |                 |                                             |
| 15.0               | 490.2<br>14.0   | As above, wet (14.0 fbgs), wood and cinders.                        | S2         |             | 1.3          | ▲      | 0.0                               | Sample location |                                             |
|                    | 488.2<br>16.0   | As above. EOB at 18.0 fbgs.                                         | S3         |             | 1.1          | ▲      | 0.0                               |                 |                                             |
|                    | 486.2<br>18.0   | End of Borehole                                                     |            |             |              |        |                                   |                 |                                             |
| 20.0               |                 |                                                                     |            |             |              |        |                                   |                 |                                             |
| 25.0               |                 |                                                                     |            |             |              |        |                                   |                 |                                             |

**Drilled By:** Earth Dimensions, Inc.

**Drill Rig Type:** Diedrich D50

**Drill Method:** 3 1/4 inch HSA.

**Comments:**

**Drill Date(s):** 3/21/19

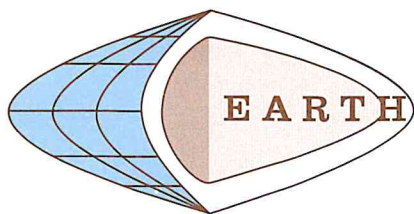
**Hole Size:** 7 1/2- inch

**Stick-up:** NA

**Datum:** NA

**Sheet:** 1 of 1





# EARTH DIMENSIONS, INC.

Draft

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

4K17a

HOLE NO. MW-1-18

SURF. ELEVATION     

PROJECT 1827 Fillmore Avenue Site

LOCATION     

City of Buffalo, Erie County, NY

CLIENT Benchmark and TurnKey Companies

DATE STARTED 07/05/18 COMPLETED 07/06/18

DEPTH IN FT BLOWS ON SAMPLER

| SN  | 0/6 | 6/12 | 12/18 | 18/24 | N | LITH | DESCRIPTION AND CLASSIFICATION                                                                                                                                              | WELL                         | WATER TABLE AND REMARKS                                                                                                                                                                                                                                                                                        |
|-----|-----|------|-------|-------|---|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REC |     |      |       |       |   |      |                                                                                                                                                                             | (17)                         |                                                                                                                                                                                                                                                                                                                |
|     |     |      |       |       |   |      | Advanced bore hole without split spoon sampling to 4.6 feet.                                                                                                                | 2-inch FJT PVC riser         | (1) 8-inch diameter roadbox installed in small concrete pad                                                                                                                                                                                                                                                    |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | ← 2.0'                                                                                                                                                                                                                                                                                                         |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | (2) Concrete                                                                                                                                                                                                                                                                                                   |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | (3) Bentonite seal                                                                                                                                                                                                                                                                                             |
|     |     |      |       |       |   |      | 4.6                                                                                                                                                                         |                              | ← 4.6'                                                                                                                                                                                                                                                                                                         |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | ← 4.9'                                                                                                                                                                                                                                                                                                         |
|     |     |      |       |       |   |      | Gray to dark gray limestone bedrock, moderately hard to hard, massively bedded, moderately fractured horizontally along bedding planes, core lengths range from (0.1-1.8'). | 0.010 slot 2-inch PVC screen | Water level at 7.1 after Run #1.                                                                                                                                                                                                                                                                               |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | Water level at 8.1 after 24 hours.                                                                                                                                                                                                                                                                             |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | Total gallons lost: 150                                                                                                                                                                                                                                                                                        |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | Total gallons removed: 60                                                                                                                                                                                                                                                                                      |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | Run Depth Length Rec Rec RGD                                                                                                                                                                                                                                                                                   |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | # (ft) (ft) (ft) % %                                                                                                                                                                                                                                                                                           |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | -----                                                                                                                                                                                                                                                                                                          |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | 4.6                                                                                                                                                                                                                                                                                                            |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | 1 to 7.8 7.7 99 97                                                                                                                                                                                                                                                                                             |
|     |     |      |       |       |   |      |                                                                                                                                                                             |                              | 12.4                                                                                                                                                                                                                                                                                                           |
|     |     |      |       |       |   |      | 12.4                                                                                                                                                                        |                              | ← 12.4'                                                                                                                                                                                                                                                                                                        |
|     |     |      |       |       |   |      | Coring completed at 12.4 feet.                                                                                                                                              |                              | Note: Advanced bore hole with 3 1/4" ID x 7" OD hollow stem auger casing without sampling to refusal at 4.6 feet. Continued below with a NQ-2 size double tubed wireline core barrel with diamond bit to end of coring at 12.4 feet. Installed 2-inch PVC monitoring well in completed bore hole to 12.4 feet. |

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

LOGGED BY Jason Kryszak, Geologist, (cns)

SHEET 1 OF 2



SURF. ELEVATION \_\_\_\_\_

LOCATION \_\_\_\_\_

DATE STARTED 07/05/18 COMPLETED 07/06/18

40

SHEET 2 OF 2



SURF. ELEVATION \_\_\_\_\_

LOCATION \_\_\_\_\_

DATE STARTED 07/05/18 COMPLETED 07/06/18

SHEET 1 OF 2





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SURF. ELEVATION \_\_\_\_\_

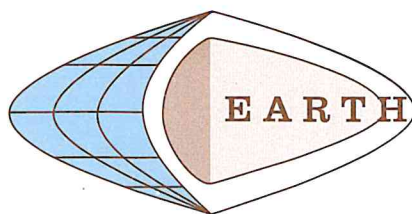
LOCATION \_\_\_\_\_

CLIENT Benchmark and TurnKey Companies

DATE STARTED 07/05/18 COMPLETED 07/06/18

[illegible]

SHEET 2 OF 2



# EARTH DIMENSIONS, INC.

Draft

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

4K17a

HOLE NO. MW-3-18

SURF. ELEVATION     

PROJECT 1827 Fillmore Avenue Site

LOCATION     

City of Buffalo, Erie County, NY

CLIENT Benchmark and TurnKey Companies

DATE STARTED 07/03/18 COMPLETED 07/05/18

DEPTH IN FT BLOWS ON SAMPLER

| SN  | 0/6 | 6/12 | 12/18 | 18/24 | N | LITH | DESCRIPTION AND CLASSIFICATION                                                                                      | WELL (1) | WATER TABLE AND REMARKS                                                              |
|-----|-----|------|-------|-------|---|------|---------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|
| REC |     |      |       |       |   |      |                                                                                                                     |          |                                                                                      |
|     |     |      |       |       |   |      | Advanced bore hole without split spoon sampling to 16.1 feet.                                                       |          | (1) 4-inch locking steel protective casing installed in small concrete pad<br>← 2.0' |
|     |     |      |       |       |   |      |                                                                                                                     |          | (2) Concrete                                                                         |
|     |     |      |       |       |   |      |                                                                                                                     |          | Water level at 17.4 feet after Run #2                                                |
|     |     |      |       |       |   |      |                                                                                                                     |          | Water level at 17.4 after continuous pumping for 20 minutes.                         |
|     |     |      |       |       |   |      |                                                                                                                     |          | Water level at 17.5 feet below ground surface on July 05, 2018.                      |
|     |     |      |       |       |   |      |                                                                                                                     |          | Total gallons lost: 400                                                              |
|     |     |      |       |       |   |      |                                                                                                                     |          | Total gallons removed: 400                                                           |
|     |     |      |       |       |   |      |                                                                                                                     |          | Run # Depth (ft) Length (ft) Rec (ft) Rec % RQD %                                    |
|     |     |      |       |       |   |      |                                                                                                                     |          | 16.9                                                                                 |
|     |     |      |       |       |   |      |                                                                                                                     |          | 1 to 17.8 0.9 0.9 100 100                                                            |
|     |     |      |       |       |   |      |                                                                                                                     |          | 17.8                                                                                 |
|     |     |      |       |       |   |      |                                                                                                                     |          | 2 to 25.8 8.0 7.4 93 96                                                              |
|     |     |      |       |       |   |      |                                                                                                                     |          | 16.1                                                                                 |
|     |     |      |       |       |   |      | Apparent limestone bedrock.                                                                                         |          | ← 16.1'                                                                              |
|     |     |      |       |       |   |      | Gray to dark gray limestone bedrock, moderately hard to hard, massively bedded, core lengths range from (0.1-1.7'). |          | ← 16.6'                                                                              |
|     |     |      |       |       |   |      |                                                                                                                     |          | (3) 0.010 slot 2-inch PVC screen                                                     |
|     |     |      |       |       |   |      |                                                                                                                     |          | (4) #00N size morie sand pack                                                        |

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

LOGGED BY Jason Kryszak, Geologist, (cns)

SHEET 1 OF 2



SHEET 2 OF 2



**DRILLING LOG OF WELL/BORING NO. SB-1**

Page 1 of 50

|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 12 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: Northwest corner of property                                | Water Encountered: NA                           |
| Date Start/Finished: August 7, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                            | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>i<br>n<br>g | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                  | (Feet)                                         | Parts Per Million (PPM)              | (Inches)                             |                                      |                                                        |
| NA                                        | 1                     | NA                            | 0-0.25 ftbg: Asphalt and subbase                                                                 | NA                                             | NA                                   | NA                                   | NA                                   |                                                        |
|                                           |                       |                               | 0.25-2 ftbg: gray gravelly clayey Fill Material (stiff, no plasticity, dry)                      |                                                |                                      |                                      |                                      |                                                        |
|                                           |                       |                               | 2-4 ftbg: brown gravelly clayey Fill Material (med stiff, low plasticity, moist)                 |                                                |                                      |                                      |                                      |                                                        |
|                                           | 5                     |                               | 4-9 ftbg: dark brown gravelly clayey Fill Material (medium stiff, low plasticity, moist)         |                                                |                                      |                                      |                                      |                                                        |
| 10                                        |                       | NA                            | 9-10 ftbg: brown clayey Fill Material (soft, medium plasticity, moist)                           | NA                                             | NA                                   | NA                                   | NA                                   | Equipment refusal encountered at approximately 12 ftbg |
|                                           |                       |                               | 10-11 ftbg: gray gravelly Fill Material (angular, medium dense, dry)                             |                                                |                                      |                                      |                                      |                                                        |
|                                           |                       |                               | 11-12 ftbg: dark brown gravelly sandy clayey Fill Material (low plasticity, medium stiff, moist) |                                                |                                      |                                      |                                      |                                                        |

|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 10 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North of building A1                                        | Water Encountered: NA                           |
| Date Start/Finished: August 7, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                      | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>i<br>n<br>g | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                            | (Feet)                                         | Parts Per Million (PPM)              | (Inches)                             |                                      |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                            |                                                |                                      |                                      |                                      |                                                        |
|                                           |                       |                               | 0.5-4 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, no plasticity, moist) | 0-4                                            | 0.9                                  | 15                                   |                                      |                                                        |
|                                           | 5                     |                               | 4-5 ftbg: gray Ash (soft, moist) with gravel                                               | NA                                             |                                      |                                      |                                      |                                                        |
|                                           |                       |                               | 5-8 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist)  | 4-8                                            | 0.4                                  | 15                                   |                                      |                                                        |
|                                           | 10                    |                               | 8-10 ftbg: brown gravelly Clay (stiff, no plasticity, moist)                               | 8-10                                           | 0.7                                  | 15                                   |                                      | Equipment refusal encountered at approximately 10 ftbg |

Project Number: 12MS-104(.5)

Total Depth of Hole: 5 feet below grade (ftbg)

Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York

Ground Elevation: NA

Boring Location: Northwest of Building B2

Water Encountered: NA

Date Start/Finished: August 7, 2012

Water At End of Drilling: NA

Drilling Contractor: Russo Development, Inc.

Equipment: PowerProbe

Drilling Method: Hydraulically driven system (PowerProbe)

Technician: Joseph Mecca

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h                                                      | Well<br>Completion<br>Diagram | Soil/Rock Description           | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e                                                                                                                                                                                            | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments                                              |
|-------------------------------------------|----------------------------------------------------------------------------|-------------------------------|---------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------|-------------------------------------------------------|
| Ground Surface                            |                                                                            |                               |                                 |                                                |                                                                                                                                                                                                                                 |                                 |                                      |                                                       |
|                                           |                                                                            |                               |                                 | (Feet)                                         | Parts Per Million (PPM)                                                                                                                                                                                                         | (Inches)                        |                                      |                                                       |
| NA                                        | 1                                                                          | NA                            | 0-0.5 ftbg: Asphalt and subbase | NA                                             | 0-2                                                                                                                                                                                                                             | 1.2                             | 10                                   | Equipment refusal encountered at approximately 5 ftbg |
|                                           | 0.5-4 ftbg: brown gravelly clayey Fill Material (stiff, no plastic, moist) |                               | 2-4                             |                                                | 1.2                                                                                                                                                                                                                             | 10                              |                                      |                                                       |
|                                           | 4-5 ftbg: gray sandy gravelly Fill Material (angular, medium dense, moist) |                               | 4-5                             |                                                | 1.2                                                                                                                                                                                                                             | 6                               |                                      |                                                       |
|                                           |                                                                            |                               |                                 |                                                |                                                                                                                                                                                                                                 |                                 |                                      |                                                       |
|                                           |                                                                            |                               |                                 |                                                | <br>ENVIRONMENTAL CONSULTANTS<br>4169 ALLENDALE PKWY, BUFFALO, NEW YORK 14219<br>☎ (716) 312-8296 ☎ (716) 312-8092<br>www.msanalytical.com |                                 |                                      |                                                       |

**DRILLING LOG OF WELL/BORING NO. SB-4**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 6 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: Northwest of Building A3                                    | Water Encountered: NA                          |
| Date Start/Finished: August 7, 2012                                          | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                       |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|

| Ground Surface |   |                                                                                 | (Feet) | Parts Per Million (PPM) | (Inches) |                                                       |
|----------------|---|---------------------------------------------------------------------------------|--------|-------------------------|----------|-------------------------------------------------------|
| NA             | 1 | 0-0.5 ftbg: Asphalt and subbase                                                 |        |                         |          |                                                       |
|                |   | 0.5-3.5 ftbg: brown gravelly clayey Fill Material (stiff, no plasticity, moist) | 0-4    | 9.9                     | 15       |                                                       |
|                |   | 3.5-4.5 ftbg: gray gravelly Sand (coarse and medium grain, medium dense, dry)   |        |                         |          |                                                       |
|                | 5 | 4.5-6 ftbg: brown gravelly Clay (stiff, low plasticity, moist)                  | 4-6    | 0.8                     | 15       | Equipment refusal encountered at approximately 6 ftbg |

|  |  |  |                                                                                                                                                                                                                                        |  |  |  |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
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|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|

Project Number: 12MS-104(.5)

Total Depth of Hole: 12.5 feet below grade (ftbg)

Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York

Ground Elevation: NA

Boring Location: Northwest of Building A3

Water Encountered: NA

Date Start/Finished: August 7, 2012

Water At End of Drilling: NA

Drilling Contractor: Russo Development, Inc.

Equipment: PowerProbe

Drilling Method: Hydraulically driven system (PowerProbe)

Technician: Joseph Mecca

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n                                                                                                                                                                                                             | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                      | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>r<br>d | Comments                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|----------------------------------------------------------|
| <div>Ground Surface</div> <div>Parts Per Million (PPM)</div> <div>(Feet)</div> <div>(Inches)</div>                                                                                                                                                    |                       |                               |                                                                                            |                                                |                                      |                                 |                            |                                                          |
| NA                                                                                                                                                                                                                                                    | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                            | NA                                             | 0-4                                  | 1.6                             | 15                         | Equipment refusal encountered at approximately 12.5 ftbg |
|                                                                                                                                                                                                                                                       | 5                     |                               | 0.5-8 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, no plasticity, moist) |                                                | 4-8                                  | 0.9                             | 15                         |                                                          |
|                                                                                                                                                                                                                                                       | 10                    |                               | 8-12 ftbg: gray sandy clayey gravelly Fill Material (angular, medium dense, moist)         |                                                | 8-12                                 | 1.0                             | 15                         |                                                          |
|                                                                                                                                                                                                                                                       |                       |                               | 12-12.5 ftbg: brown gravelly Clay (stiff, low plasticity, moist)                           |                                                | 12-12.5                              | 0.7                             | 6                          |                                                          |
| <div><div>ENVIRONMENTAL CONSULTANTS<br/>4149 ALLENDALE DRIVE, BUFFALO, NEW YORK 14219<br/>☎ (716) 312-8296 • (716) 312-8092<br/>www.msanalytical.com</div></div> |                       |                               |                                                                                            |                                                |                                      |                                 |                            |                                                          |

**DRILLING LOG OF WELL/BORING NO. SB-6**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 12 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: Southeast of Building B4                                    | Water Encountered: NA                           |
| Date Start/Finished: August 7, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>t<br>e<br>r<br>v<br>a<br>l | P<br>l<br>o<br>t<br>t<br>e<br>d<br>v<br>a<br>l<br>u<br>e | R<br>e<br>c<br>o<br>r<br>d<br>e<br>d<br>v<br>a<br>l<br>u<br>e | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|----------|

| Ground Surface |    |    |                                                                       | (Feet) |      | Parts Per<br>Million<br>(PPM) | (Inches) | Equipment refusal encountered<br>at approximately 12 ftbg |
|----------------|----|----|-----------------------------------------------------------------------|--------|------|-------------------------------|----------|-----------------------------------------------------------|
| NA             | 1  | NA | 0-0.5 ftbg: Asphalt and subbase                                       | NA     | 0-4  | 1.1                           | 15       |                                                           |
|                | 5  |    | 0.5-8 ftbg: brown gravelly Clay (medium stiff, low plasticity, moist) |        | 4-8  | 0.8                           | 15       |                                                           |
|                | 10 |    | 8-12 ftbg: brown clayey Gravel (angular, medium dense, moist)         |        | 8-12 | 1.2                           | 6        |                                                           |





**DRILLING LOG OF WELL/BORING NO. SB-7**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 10 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: Southeast of Building B6                                    | Water Encountered: NA                           |
| Date Start/Finished: August 7, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|--------------------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|--------------------------------------|----------|

| Ground Surface |    |    | (Feet)                                                                                      |    | Parts Per Million (PPM) | (Inches) |    | Equipment refusal encountered at approximately 10 ftbg |
|----------------|----|----|---------------------------------------------------------------------------------------------|----|-------------------------|----------|----|--------------------------------------------------------|
| NA             | 1  | NA | 0-0.5 ftbg: Asphalt and subbase                                                             | NA | 0-4                     | 1.3      | 15 |                                                        |
|                | 5  |    | 0.5-10 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, no plasticity, moist) | NA | 4-8                     | 1.4      | 15 |                                                        |
|                | 10 |    |                                                                                             |    | 8-10                    | 0.5      | 15 |                                                        |

|  |  |  |  |                                                                                                                                                                                                                                      |  |  |  |
|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
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|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|

Project Number: 12MS-104(.5)

Total Depth of Hole: 7 feet below grade (ftbg)

Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York

Ground Elevation: NA

Boring Location: South of Building B6

Water Encountered: NA

Date Start/Finished: August 7, 2012

Water At End of Drilling: NA

Drilling Contractor: Russo Development, Inc.

Equipment: PowerProbe

Drilling Method: Hydraulically driven system (PowerProbe)

Technician: Joseph Mecca

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h                                                       | Well<br>Completion<br>Diagram | Soil/Rock Description           | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>r<br>d | Comments                                              |
|-------------------------------------------|-----------------------------------------------------------------------------|-------------------------------|---------------------------------|----------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|-------------------------------------------------------|
| Ground Surface                            |                                                                             |                               |                                 |                                                    | (Feet)                               | Parts Per<br>Million<br>(PPM)   | (Inches)                   |                                                       |
| NA                                        | 1                                                                           | NA                            | 0-0.5 ftbg: Asphalt and subbase | NA                                                 | 0-4                                  | 0.3                             | 15                         | Equipment refusal encountered at approximately 7 ftbg |
|                                           | 0.5-4 ftbg: brown sandy gravelly Clay (medium stiff, low plasticity, moist) |                               |                                 |                                                    |                                      |                                 |                            |                                                       |
|                                           | 4-7 ftbg: brown clayey gravel Fill Material (angular, medium dense, moist)  |                               | 4-7                             |                                                    |                                      |                                 | 20                         |                                                       |



Project Number: 12MS-104(.5)

Total Depth of Hole: 7 feet below grade (ftbg)

Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York

Ground Elevation: NA

Boring Location: West of Building A1

Water Encountered: NA

Date Start/Finished: August 7, 2012

Water At End of Drilling: NA

Drilling Contractor: Russo Development, Inc.

Equipment: PowerProbe

Drilling Method: Hydraulically driven system (PowerProbe)

Technician: Joseph Mecca

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h                                                                      | Well<br>Completion<br>Diagram | Soil/Rock Description           | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>r<br>d | Comments                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|----------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|-------------------------------------------------------|
| Ground Surface                            |                                                                                            |                               |                                 |                                                    |                                      |                                 |                            |                                                       |
|                                           |                                                                                            |                               |                                 |                                                    | (Feet)                               | Parts Per Million (PPM)         | (Inches)                   |                                                       |
| NA                                        | 1                                                                                          | NA                            | 0-0.5 ftbg: Asphalt and subbase | NA                                                 | 0-2                                  | 2.7                             | 15                         | Equipment refusal encountered at approximately 7 ftbg |
|                                           | 0.25-4 ftbg: brown/black sandy gravelly clayey Fill Material (stiff, no plasticity, moist) |                               | 2-4                             |                                                    | 1.3                                  | 15                              |                            |                                                       |
|                                           | 4-6 ftbg: black/tan gravelly clayey Sand (coarse and medium grain, dense, moist)           |                               | 4-7                             |                                                    | 17.6                                 | 15                              |                            |                                                       |
|                                           | 6-7 ftbg: brown gravelly Clay (stiff, no plasticity, moist)                                |                               |                                 |                                                    |                                      |                                 |                            |                                                       |



**DRILLING LOG OF WELL/BORING NO. SB-10**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 15 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: South East of Building B2                                   | Water Encountered: NA                           |
| Date Start/Finished: August 7, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                              | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s<br>R<br>e<br>a<br>d<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d<br>e<br>d<br>v<br>e<br>l<br>o<br>c<br>i<br>t<br>y | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                    | (Feet)                                         |                                      | Parts Per Million (PPM)                             | (Inches)                                                                     |                                                        |
| NA                                        | 1                     | NA                            | 0-0.25 ftbg: Asphalt and subbase                                                                   | NA                                             |                                      |                                                     |                                                                              |                                                        |
|                                           | 5                     |                               | 0.25-4 ftbg: dark brown gravelly Sand (coarse, medium and fine grain, dense, moist)                |                                                | 0-4                                  | 7.3                                                 | 15                                                                           |                                                        |
|                                           | 10                    |                               | 4-11.5 ftbg: dark brown gravelly Sand (coarse, medium and fine grain, dense, moist) with white ash |                                                | 4-8                                  | 0.8                                                 | 10                                                                           |                                                        |
|                                           | 15                    |                               | 11.5-15 ftbg: white/beige Ash (soft, moist)                                                        |                                                | 8-12                                 | 2.4                                                 | 15                                                                           |                                                        |
|                                           |                       |                               |                                                                                                    |                                                | 12-15                                | 1.3                                                 | 15                                                                           | Equipment refusal encountered at approximately 15 ftbg |



**DRILLING LOG OF WELL/BORING NO. SB-11**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 20 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: East of Building A1                                         | Water Encountered: NA                           |
| Date Start/Finished: August 7, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                            | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>I<br>D<br><br>R<br>e<br>a<br>d<br>i<br>n<br>g | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments |     |    |
|-------------------------------------------|-----------------------|-------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------------|----------|-----|----|
| Ground Surface                            |                       |                               |                                                                                                  |                                                    |                                      |                                                    |                                      |          |     |    |
|                                           |                       |                               |                                                                                                  | (Feet)                                             | Parts Per Million (PPM)              | (Inches)                                           |                                      |          |     |    |
| NA                                        | 1                     | NA                            | 0-0.25 ftbg: Asphalt and subbase                                                                 | NA                                                 | 0-4                                  | 2.2                                                | 15                                   |          |     |    |
|                                           | 5                     |                               | 0.25-4 ftbg: tan/black Sand (coarse, medium and fine grain, dense, moist)                        |                                                    | 4-8                                  | 5.4                                                | 15                                   |          |     |    |
|                                           |                       |                               | 4-8 ftbg: black gravelly clayey Sand (coarse, medium and fine grain, medium dense, moist)        |                                                    |                                      |                                                    |                                      |          |     |    |
|                                           |                       |                               | 8-10 ftbg: black/tan gravelly Sand (coarse grain, medium grain, fine grain, medium dense, moist) |                                                    |                                      |                                                    |                                      |          |     |    |
|                                           |                       |                               | 10-12                                                                                            |                                                    |                                      |                                                    |                                      |          | 1.2 | 10 |
|                                           |                       |                               | 12-16                                                                                            |                                                    |                                      |                                                    |                                      |          | 1.1 | 15 |
|                                           | 15                    |                               | 10-20 ftbg: gray gravelly Clay (stiff, medium plasticity, moist) with ash                        |                                                    | 16-20                                | 1.1                                                | 6                                    |          |     |    |



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**DRILLING LOG OF WELL/BORING NO. SB-12**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 10 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: West of Building B2                                         | Water Encountered: NA                           |
| Date Start/Finished: August 8, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|

| Ground Surface |    |    |                                                                                                                                   | (Feet) | Parts Per Million (PPM) | (Inches) |                                                        |
|----------------|----|----|-----------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------------------------------------------------------|
| NA             | 1  | NA | 0-0.5 ftbg: Asphalt and subbase                                                                                                   | 0-4    | 0.2                     | 24       | Equipment refusal encountered at approximately 10 ftbg |
|                | 5  |    | 0.5-7.5 ftbg: gray/dark brown gravelly sandy clayey Fill Material (stiff, medium to low Plasticity, moist) with some ash          |        |                         |          |                                                        |
|                | 10 |    | 7.5-8 ftbg: gray Ash (moist)                                                                                                      | 4-8    | 0.3                     | 20       |                                                        |
|                |    |    | 8-10 ftbg: gray/dark brown gravelly sand Fill Material (coarse and medium grain, medium dense, moist) with ash and rock fragments |        |                         |          |                                                        |





**DRILLING LOG OF WELL/BORING NO. SB-13**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 5 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: North of Building B2                                        | Water Encountered: NA                          |
| Date Start/Finished: August 8, 2012                                          | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|----------|

| Ground Surface |   |    | (Feet)                                                                                                                           | Parts Per<br>Million<br>(PPM) | (Inches) |    |
|----------------|---|----|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------|----|
| NA             | 1 | NA | 0-0.5 ftbg: Asphalt and subbase                                                                                                  |                               |          |    |
|                |   |    | 0.5-4 ftbg: gray/dark brown gravelly sandy clayey Fill Material (medium stiff, medium plasticity, moist) with some ash           | 0-4                           | 1.0      | 12 |
|                | 5 |    | 4-5 ftbg: brown/black gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist) with some ash and fractured rock | 4-5                           | 0.3      | 12 |

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|--|--|--|--|--|--|--|
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|  |  |  |  |                                                                                                                                                                                                                                        |  |  |
|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
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**DRILLING LOG OF WELL/BORING NO. SB-14**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 13 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North West of Building A2                                   | Water Encountered: NA                           |
| Date Start/Finished: August 8, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|

| Ground Surface |    |                                                                                                                                 | (Feet) | Parts Per Million (PPM) | (Inches) |                                                        |
|----------------|----|---------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|--------------------------------------------------------|
| NA             | 1  | 0-0.5 ftbg: Asphalt and subbase                                                                                                 |        |                         |          |                                                        |
|                | 5  | 0.5-4 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, low to medium plasticity, moist) with some ash             | 0-4    | 1.2                     | 20       |                                                        |
|                |    | 4-6 ftbg: brown/black sandy clayey Fill Material (medium stiff, low to medium plasticity, moist) with some ash and brick debris | 4-6    | 1.2                     | 15       |                                                        |
|                |    | 6-8 ftbg: brown Clay (medium stiff, medium plasticity, moist)                                                                   | 6-8    | 0.9                     | 15       |                                                        |
|                | 10 | 8-12 ftbg: brown/black clayey Fill Material (medium stiff, medium plasticity, moist) with gray ash                              | 8-12   | 1.3                     | 20       |                                                        |
|                |    | 12-13 ftbg: brown sandy Clay (medium stiff, low plasticity, moist)                                                              | 12-13  | 1.4                     | 12       | Equipment refusal encountered at approximately 13 ftbg |



**DRILLING LOG OF WELL/BORING NO. SB-15**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 19 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North of Building A3                                        | Water Encountered: 18 ftbg                      |
| Date Start/Finished: August 8, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                         | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s        | R<br>e<br>c<br>o<br>r<br>d | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------------------------|
|                                           |                       |                               |                                                                                                                               |                                                | (Feet)                               | Parts Per Million (PPM) | (Inches)                   |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                               |                                                |                                      |                         |                            |                                                        |
|                                           |                       |                               | 0.5-1 ftbg: brown sandy Clay Fill Material (medium stiff, low plasticity, moist)                                              |                                                | 0-4                                  | 2.9                     | 20                         |                                                        |
|                                           | 5                     |                               | 1-8 ftbg: dark brown sandy Fill Material (coarse, medium fine grain, medium dense, moist) with some gravel                    |                                                | 4-8                                  | 2.8                     | 22                         |                                                        |
|                                           | 10                    |                               | 8-10 ftbg: brown sandy clayey Fill Material (medium stiff, low plasticity, moist)                                             |                                                | 8-12                                 | 1.7                     | 15                         |                                                        |
|                                           |                       |                               | 10-12 ftbg: brown Clay (medium stiff, medium plasticity, moist)                                                               |                                                |                                      |                         |                            |                                                        |
|                                           | 15                    |                               | 12-18 ftbg: brown gravelly sandy clayey Fill material (medium stiff, low plasticity, moist) with gray ash                     |                                                | 12-16                                | 2.1                     | 15                         |                                                        |
|                                           |                       |                               | 18-19 ftbg: brown gravelly sandy Clay Fill (medium stiff, low plasticity, wet) with gray ash, metal debris and fractured rock |                                                | 16-19                                | 1.1                     | 12                         | Equipment refusal encountered at approximately 19 ftbg |



**DRILLING LOG OF WELL/BORING NO. SB-16**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 7 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: NE of Building A3                                           | Water Encountered: NA                          |
| Date Start/Finished: August 8, 2012                                          | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                           | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s              | R<br>e<br>c<br>o<br>r<br>d | Comments                                                 |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|-------------------------------|----------------------------|----------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                 |                                                    |                                      |                               |                            |                                                          |
|                                           |                       |                               |                                                                                                                 |                                                    | (Feet)                               | Parts Per<br>Million<br>(PPM) | (Inches)                   |                                                          |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                 |                                                    | 0-4                                  | 1.3                           | 20                         | Equipment refusal encountered<br>at approximately 7 ftbg |
|                                           | 5                     |                               | 0.5-6 ftbg: brown gravely sandy clayey Fill Material (medium<br>stiff, low plasticity, moist)                   | NA                                                 |                                      |                               |                            |                                                          |
|                                           |                       |                               | 6-7 ftbg: brown gravely sandy clayey Fill Material (medium<br>stiff, low plasticity, moist) with fractured rock |                                                    | 4-7                                  | 1.2                           | 20                         |                                                          |



**DRILLING LOG OF WELL/BORING NO. SB-17**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 11 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North West of Building B4                                   | Water Encountered: NA                           |
| Date Start/Finished: August 8, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n                        | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                           | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d | Comments                                               |
|------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------|----------------------------|--------------------------------------------------------|
| Ground Surface (Feet)      Parts Per Million (PPM)      (Inches) |                       |                               |                                                                                 |                                                |                                      |                                      |                            |                                                        |
| NA                                                               | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                 | NA                                             | 0-2                                  | 1.4                                  | 15                         | Equipment refusal encountered at approximately 11 ftbg |
|                                                                  |                       |                               | 0.5-2 ftbg: brown sandy Clay (stiff, low plasticity, moist)                     |                                                |                                      |                                      |                            |                                                        |
|                                                                  |                       |                               | 2-4 ftbg: brown Clay (medium stiff, medium plasticity, moist)                   |                                                | 2-4                                  | 1.4                                  | 15                         |                                                        |
|                                                                  | 5                     |                               | 4-8 ftbg: brown Clay (medium stiff, medium plasticity, moist) with black sand   |                                                | 4-6                                  | 1.9                                  | 15                         |                                                        |
|                                                                  |                       |                               | 8-10.5 ftbg: brown/ black mottled Clay (medium stiff, medium plasticity, moist) |                                                | 6-8                                  | 2.3                                  | 15                         |                                                        |
|                                                                  | 10                    |                               | 10.5-11 ftbg: brown Sand (coarse, medium and fine grain, medium dense, moist)   |                                                | 8-11                                 | 0.9                                  | 22                         |                                                        |



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Total Depth of Hole: 11 feet below grade (ftbg)

Ground Elevation: NA

Water Encountered: NA

Water At End of Drilling: NA

Equipment: PowerProbe

Technician: Ryan Welch

|                                                                                |    |      |     |
|--------------------------------------------------------------------------------|----|------|-----|
| 0-0.5 ftbg: Asphalt and subbase                                                |    |      |     |
| gray/brown gravelly sandy clayey Fill Material (stiff, no plasticity, moist)   |    | 0-4  | 2.9 |
| tan/brown Sand Fill (coarse, medium and fine grain, medium dense, moist)       | NA | 4-8  | 17  |
| gray/brown sandy Clay Fill (medium stiff, low plasticity, moist) with some ash |    | 8-11 | 4.9 |





Total Depth of Hole: 18 feet below grade (ftbg)

Ground Elevation: NA

Water Encountered: NA

Water At End of Drilling: NA

Equipment: PowerProbe

Technician: Ryan Welch



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**DRILLING LOG OF WELL/BORING NO. SB-20**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 8 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: East of Building B4                                         | Water Encountered: NA                          |
| Date Start/Finished: August 8, 2012                                          | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n                        | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                               | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d<br>i<br>n<br>g | Comments                                              |
|------------------------------------------------------------------|-----------------------|-------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------------|-------------------------------------------------------|
| Ground Surface (Feet)      Parts Per Million (PPM)      (Inches) |                       |                               |                                                                                     |                                                |                                      |                                      |                                           |                                                       |
| NA                                                               | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                     |                                                | 0-4                                  | 1.2                                  | 18                                        | Equipment refusal encountered at approximately 8 ftbg |
|                                                                  | 5                     |                               | 0.5-8 ftbg: brown gravely sandy clayey Fill Material (stiff, low plasticity, moist) | NA                                             | 4-8                                  | 1.8                                  | 18                                        |                                                       |



**DRILLING LOG OF WELL/BORING NO. SB-21**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 19 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: East of Building B4                                         | Water Encountered: NA                           |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                          | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                                | (Feet)                                         | Parts Per Million (PPM)              | (Inches)         |                            |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                                | NA                                             |                                      |                  |                            |                                                        |
|                                           |                       |                               | 0.5-3 ftbg: brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                            |                                                | 0-4                                  | 1.8              | 15                         |                                                        |
|                                           | 5                     |                               | 3-9 ftbg: dark brown/black gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris |                                                | 4-8                                  | 2.5              | 18                         |                                                        |
|                                           | 10                    |                               | 9-11 ftbg: gray/brown gravelly sandy Fill Material (coarse and medium grain, medium dense, moist)                              |                                                | 8-12                                 | 1.5              | 12                         |                                                        |
|                                           |                       |                               | 11-12 ftbg: dark brown sandy Clay Fill (medium stiff, low plasticity, moist) with ash                                          |                                                |                                      |                  |                            |                                                        |
|                                           | 15                    |                               | 12-16 ftbg: black sandy Clay Fill (medium stiff, low plasticity, moist) with ash                                               |                                                | 12-16                                | 3.9              | 15                         |                                                        |
|                                           |                       |                               | 16-19 ftbg: black sandy Clay Fill (medium stiff, low plasticity, moist) with ash and wood debris                               |                                                | 16-19                                | 3.5              | 12                         | Equipment refusal encountered at approximately 19 ftbg |

**DRILLING LOG OF WELL/BORING NO. SB-22**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 19 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North East of Building A5                                   | Water Encountered: NA                           |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                 | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s<br>R<br>e<br>a<br>d<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d<br>e<br>d | Comments                                                  |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|-----------------------------------------------------|--------------------------------------|-----------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                       | (Feet)                                         | Parts Per<br>Million<br>(PPM)        | (Inches)                                            |                                      |                                                           |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                       | NA                                             |                                      |                                                     |                                      | Equipment refusal encountered<br>at approximately 19 ftbg |
|                                           |                       |                               | 0.5-4 ftbg: brown/dark brown sandy Fill Material (medium and fine grain, medium dense, moist)                         |                                                | 0-4                                  | 1.1                                                 | 12                                   |                                                           |
|                                           | 5                     |                               | 4-8 ftbg: dark brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with trace ash |                                                | 4-8                                  | 2.1                                                 | 18                                   |                                                           |
|                                           | 10                    |                               | 8-12 ftbg: brown/dark brown sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                  |                                                | 8-12                                 | 2.1                                                 | 12                                   |                                                           |
|                                           | 15                    |                               | 12-16 ftbg: brown/dark brown gravelly Sand Fill (coarse, medium and fine grain, medium dense, moist) with trace ash   |                                                | 10-12                                | 3.0                                                 | 12                                   |                                                           |
|                                           |                       |                               | 16-19 ftbg: dark brown sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris     |                                                | 14-16                                | 1.3                                                 | 10                                   |                                                           |

Project Number: 12MS-104(.5)

Total Depth of Hole: 9 feet below grade (ftbg)

Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York

Ground Elevation: NA

Boring Location: South East of Building B4

Water Encountered: NA

Date Start/Finished: August 9, 2012

Water At End of Drilling: NA

Drilling Contractor: Russo Development, Inc.

Equipment: PowerProbe

Drilling Method: Hydraulically driven system (PowerProbe)

Technician: Ryan Welch

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                                        | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s                                                                                                                                                                                                   | I<br>n<br>t<br>e<br>r<br>v<br>a<br>l | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>r<br>d<br>i<br>n<br>g | Comments                                              |     |     |    |
|-------------------------------------------|-----------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|-------------------------------------------|-------------------------------------------------------|-----|-----|----|
| Ground Surface                            |                       |                               |                                                                                                                                              | (Feet)                                                                                                                                                                                                                                           | Parts Per Million (PPM)              | (Inches)                        |                                           |                                                       |     |     |    |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                                              | NA                                                                                                                                                                                                                                               | NA                                   | NA                              | NA                                        | Equipment refusal encountered at approximately 9 ftbg |     |     |    |
|                                           |                       |                               | 0.5-4 ftbg: brown gravelly sandy clayey Fill Material (stiff, no plasticity, moist)                                                          |                                                                                                                                                                                                                                                  |                                      |                                 |                                           |                                                       | 0-4 | 2.3 | 15 |
|                                           | 5                     |                               | 4-8 ftbg: dark brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris and wire debris     |                                                                                                                                                                                                                                                  |                                      |                                 |                                           |                                                       | 4-8 | 1.8 | 20 |
|                                           |                       |                               | 8-9 ftbg: dark brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris with fractured rock |                                                                                                                                                                                                                                                  |                                      |                                 |                                           |                                                       | 8-9 | 1.6 | 10 |
|                                           |                       |                               |                                                                                                                                              |                                                                                                                                                                                                                                                  |                                      |                                 |                                           |                                                       |     |     |    |
|                                           |                       |                               |                                                                                                                                              | <div><p>ENVIRONMENTAL CONSULTANTS<br/>4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219<br/>☎ (716) 312-8296 ☎ (716) 312-8092<br/>www.msanalytical.com</p></div> |                                      |                                 |                                           |                                                       |     |     |    |

|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 3 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: East of Building A5                                         | Water Encountered: NA                          |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| Elemention     | Depth | Well Completion Diagram | Soil/Rock Description                                                                                                              | B<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>t<br>e<br>r<br>v<br>a<br>l | P<br>i<br>D<br><br>R<br>e<br>a<br>d<br>i<br>n<br>g | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments                                              |
|----------------|-------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------------|-------------------------------------------------------|
| Ground Surface |       |                         |                                                                                                                                    |                                               | (Feet)                               | Parts Per Million (PPM)                            | (Inches)                             |                                                       |
| NA             | 1     | NA                      | 0-0.5 ftbg: Asphalt and subbase<br><br>0.5-3 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist) | NA                                            | 0-3                                  | 0.8                                                | 10                                   | Equipment refusal encountered at approximately 3 ftbg |



**DRILLING LOG OF WELL/BORING NO. SB-25**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 19 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: South East of Building A5                                   | Water Encountered: NA                           |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                         | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>r<br>d | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                               | (Feet)                                             | Parts Per Million (PPM)              | (Inches)                        |                            |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                               | NA                                                 |                                      |                                 |                            |                                                        |
|                                           |                       |                               | 0.5-4 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist) with brick debris |                                                    | 0-4                                  | 1.7                             | 15                         |                                                        |
|                                           | 5                     |                               | 4-7 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist)                     |                                                    | 4-8                                  | 1.7                             | 15                         |                                                        |
|                                           |                       |                               | 7-8 ftbg: brown Clay (medium stiff, medium plasticity, moist)                                                 |                                                    |                                      |                                 |                            |                                                        |
|                                           | 10                    |                               | 8-12 ftbg: brown/dark brown gravelly sandy clayey Fill Material (stiff, low plasticity, moist)                |                                                    | 8-12                                 | 2.1                             | 12                         |                                                        |
|                                           |                       |                               | 12-16 ftbg: brown/dark brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist)        |                                                    | 12-16                                | 2.2                             | 15                         |                                                        |
|                                           | 15                    |                               | 16-17.5 ftbg: brown/ black mottled Clay (medium stiff, medium plasticity, moist)                              |                                                    | 16-19                                | 2.2                             | 15                         |                                                        |
|                                           |                       |                               | 17.5-19 ftbg: brown/black sandy Fill Material (medium and fine grain, medium dense, moist)                    |                                                    |                                      |                                 |                            | Equipment refusal encountered at approximately 19 ftbg |



**DRILLING LOG OF WELL/BORING NO. SB-26**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 14 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: South of building A5                                        | Water Encountered: NA                           |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n                        | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                           | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d<br>i<br>n<br>g | Comments                                               |
|------------------------------------------------------------------|-----------------------|-------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------------|--------------------------------------------------------|
| Ground Surface (Feet)      Parts Per Million (PPM)      (Inches) |                       |                               |                                                                                                 |                                                |                                      |                                      |                                           |                                                        |
| NA                                                               | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                 | NA                                             | 0-4                                  | 1.1                                  | 18                                        |                                                        |
|                                                                  |                       |                               | 0.5-3 ftbg: brown gravelly sandy clayey Fill Material (stiff, low plasticity, moist)            |                                                |                                      |                                      |                                           |                                                        |
|                                                                  | 5                     |                               | 3-5 ftbg: tan/brown gravelly sandy Fill Material (coarse and medium grain, medium dense, moist) |                                                |                                      |                                      |                                           |                                                        |
|                                                                  |                       |                               |                                                                                                 |                                                |                                      |                                      |                                           |                                                        |
|                                                                  | 10                    |                               | 5-14 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist)      |                                                |                                      |                                      |                                           |                                                        |
|                                                                  |                       |                               |                                                                                                 |                                                | 8-12                                 | 1.4                                  | 15                                        |                                                        |
|                                                                  |                       |                               |                                                                                                 |                                                | 12-14                                | 2.3                                  | 6                                         | Equipment refusal encountered at approximately 14 ftbg |



**DRILLING LOG OF WELL/BORING NO. SB-27**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 14 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: South East of Building B6                                   | Water Encountered: NA                           |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n                        | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                        | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d<br>i<br>n<br>g | Comments                                               |
|------------------------------------------------------------------|-----------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------------|--------------------------------------------------------|
| Ground Surface (Feet)      Parts Per Million (PPM)      (Inches) |                       |                               |                                                                                                                              |                                                |                                      |                                      |                                           |                                                        |
| NA                                                               | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                              | NA                                             | 0-4                                  | 1.8                                  | 15                                        | Equipment refusal encountered at approximately 14 ftbg |
|                                                                  |                       |                               | 0.5-1.5 ftbg: gray gravelly sandy clayey Fill Material (stiff, no plasticity, moist)                                         |                                                |                                      |                                      |                                           |                                                        |
|                                                                  |                       |                               | 1.5-4 ftbg: black gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist) with ash                         |                                                |                                      |                                      |                                           |                                                        |
|                                                                  |                       |                               | 4-5 ftbg: dark brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with ash              |                                                |                                      |                                      |                                           |                                                        |
|                                                                  | 5                     |                               | 5-9 ftbg: dark brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                       |                                                |                                      |                                      |                                           |                                                        |
|                                                                  | 10                    |                               | 9-11 ftbg: brown sandy clayey Fill Material (medium stiff, low plasticity, moist) with some ash                              |                                                |                                      |                                      |                                           |                                                        |
|                                                                  |                       |                               | 11-13 ftbg: black sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris and wood debris |                                                |                                      |                                      |                                           |                                                        |
|                                                                  |                       |                               | 13-14 ftbg: brown gravelly Clay Fill (medium stiff, low plasticity, moist)                                                   |                                                | 12-14                                | 1.3                                  | 15                                        |                                                        |



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**DRILLING LOG OF WELL/BORING NO. SB-29**

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|                                                                              |                                                  |
|------------------------------------------------------------------------------|--------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 1.5 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                             |
| Boring Location: South West of Building B6                                   | Water Encountered: NA                            |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                     |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                            |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                           |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|

| Ground Surface |   |    |                                                                                                                                 |    | (Feet) | Parts Per Million (PPM) | (Inches) |                                                         |
|----------------|---|----|---------------------------------------------------------------------------------------------------------------------------------|----|--------|-------------------------|----------|---------------------------------------------------------|
| NA             | 1 | NA | 0-0.5 ftbg: Asphalt and subbase<br>0.5-1.5 ftbg: gray/brown sandy Clay Fill (medium stiff, low plasticity, moist) with some ash | NA | 0-1.5  | 1.2                     | 12       | Equipment refusal encountered at approximately 1.5 ftbg |



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**DRILLING LOG OF WELL/BORING NO. SB-30**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 2 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: South West of Building B6                                   | Water Encountered: NA                          |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|

| Ground Surface |   |    |                                                                                                                                            |    | (Feet) | Parts Per Million (PPM) | (Inches) |                                                       |
|----------------|---|----|--------------------------------------------------------------------------------------------------------------------------------------------|----|--------|-------------------------|----------|-------------------------------------------------------|
| NA             | 1 | NA | 0-0.5 ftbg: Asphalt and subbase<br>0.5-2 ftbg: dark brown gravelly sandy clayey Fill Material (stiff, low plasticity, moist) with some ash | NA | 0-2    | 0.7                     | 15       | Equipment refusal encountered at approximately 2 ftbg |



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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 2 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: South West of Building B6                                   | Water Encountered: NA                          |
| Date Start/Finished: August 9, 2012                                          | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|--------------------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|--------------------------------------|----------|

| Ground Surface | (Feet) | Parts Per Million (PPM) | (Inches) |
|----------------|--------|-------------------------|----------|
|----------------|--------|-------------------------|----------|

|    |   |    |             |    |     |   |   |                                                       |
|----|---|----|-------------|----|-----|---|---|-------------------------------------------------------|
| NA | 1 | NA | No Recovery | NA | 0-2 | - | - | Equipment refusal encountered at approximately 2 ftbg |
|----|---|----|-------------|----|-----|---|---|-------------------------------------------------------|

|                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |
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**DRILLING LOG OF WELL/BORING NO. SB-32**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 5 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: South East of Building A1                                   | Water Encountered: NA                          |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|--------------------------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|--------------------------------------|----------------------------|----------|

| Ground Surface                                        |   |                                                                                          | (Feet) | Parts Per Million (PPM) | (Inches) |    |
|-------------------------------------------------------|---|------------------------------------------------------------------------------------------|--------|-------------------------|----------|----|
| NA                                                    | 1 | 0-0.5 ftbg: Asphalt and subbase                                                          |        |                         |          |    |
|                                                       |   | 0.5-3 ftbg: brown sandy clayey Fill Material (medium stiff, no plasticity, moist)        | NA     | 0-4                     | 1.4      | 15 |
|                                                       | 5 | 3-5 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, no plasticity, moist) |        | 4-5                     | 0.8      | 9  |
| Equipment refusal encountered at approximately 5 ftbg |   |                                                                                          |        |                         |          |    |

|  |  |  |  |                                                                                                                                                                                                                                         |  |  |
|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
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|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|



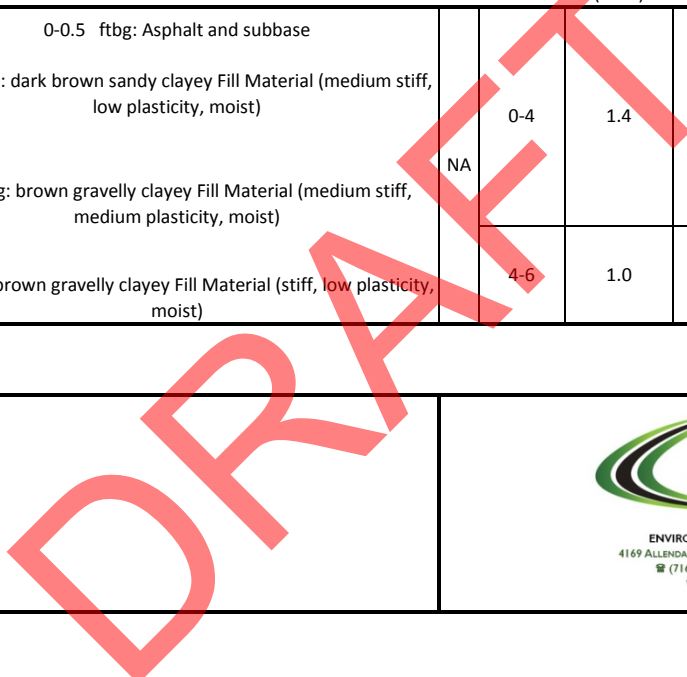
**DRILLING LOG OF WELL/BORING NO. SB-33**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 6 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: South West of Building A1                                   | Water Encountered: NA                          |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>m<br>b<br>e<br>r | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|----------|

| Ground Surface |   |                                                                                         | (Feet) | Parts Per Million (PPM) | (Inches) |                                                       |
|----------------|---|-----------------------------------------------------------------------------------------|--------|-------------------------|----------|-------------------------------------------------------|
| NA             | 1 | 0-0.5 ftbg: Asphalt and subbase                                                         |        |                         |          |                                                       |
|                |   | 0.5-2 ftbg: dark brown sandy clayey Fill Material (medium stiff, low plasticity, moist) | 0-4    | 1.4                     | 20       |                                                       |
|                |   | 2-5 ftbg: brown gravelly clayey Fill Material (medium stiff, medium plasticity, moist)  | NA     |                         |          |                                                       |
|                | 5 | 5-6 ftbg: brown gravelly clayey Fill Material (stiff, low plasticity, moist)            | 4-6    | 1.0                     | 15       | Equipment refusal encountered at approximately 6 ftbg |





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**DRILLING LOG OF WELL/BORING NO. SB-34**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 5 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: South West of Building A1                                   | Water Encountered: NA                          |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments                                              |
|-------------------------------------------|-----------------------|-------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|-------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                      |                                                |                                      |                  |                            |                                                       |
|                                           |                       |                               |                                                                                                      | (Feet)                                         | Parts Per Million (PPM)              | (Inches)         |                            |                                                       |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                      |                                                |                                      |                  |                            |                                                       |
|                                           |                       |                               | 0.5-4 ftbg: gray gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist)           | NA                                             | 0-4                                  | 2.6              | 10                         |                                                       |
|                                           | 5                     |                               | 4-5 ftbg: brown/dark brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist) |                                                | 4-5                                  | 2.2              | 12                         | Equipment refusal encountered at approximately 5 ftbg |





Project Number: 12MS-104(.5)

Total Depth of Hole: 9 feet below grade (ftbg)

Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York

Ground Elevation: NA

Boring Location: North West of Building A1

Water Encountered: NA

Date Start/Finished: August 10, 2012

Water At End of Drilling: NA

Drilling Contractor: Russo Development, Inc.

Equipment: PowerProbe

Drilling Method: Hydraulically driven system (PowerProbe)

Technician: Ryan Welch

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                            | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>e<br>r<br>c<br>e<br>n<br>t | R<br>e<br>c<br>o<br>r<br>d | Comments                                              |
|-------------------------------------------|-----------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|-------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                  |                                                |                                      |                                 |                            |                                                       |
|                                           |                       |                               |                                                                                                                  | (Feet)                                         | Parts Per Million (PPM)              | (Inches)                        |                            |                                                       |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                  | NA                                             | 0-2                                  | 1.7                             | 12                         | Equipment refusal encountered at approximately 9 ftbg |
|                                           |                       |                               | 0.5-3 ftbg: dark brown/black gravelly sandy clayey Fill Material (stiff, no plasticity, moist) with brick debris |                                                |                                      |                                 |                            |                                                       |
|                                           |                       |                               | 3-4 ftbg: brown gravelly sandy clayey Fill Material (stiff, no plasticity, moist)                                |                                                | 2-4                                  | 1.8                             | 12                         |                                                       |
|                                           |                       |                               | 4-7 ftbg: brown sandy clayey Fill Material (medium stiff, low to medium plasticity, moist)                       |                                                | 4-8                                  | 2.1                             | 15                         |                                                       |
|                                           |                       |                               | 7-8 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, no plasticity, moist)                         |                                                |                                      |                                 |                            |                                                       |
|                                           | 5                     |                               | 8-9 ftbg: brown sandy gravelly Fill Material (angular, medium dense, moist)                                      |                                                | 8-9                                  | 4.5                             | 6                          |                                                       |



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**DRILLING LOG OF WELL/BORING NO. SB-37**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 20 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North of Building A1                                        | Water Encountered: 16 ftbg                      |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                    | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                          | (Feet)                                         | Parts Per Million (PPM)              | (Inches)         |                            |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                          | NA                                             | 0-4                                  | 1.7              | 20                         | Equipment refusal encountered at approximately 20 ftbg |
|                                           | 5                     |                               | 0.5-2 ftbg: gray gravelly sandy clayey Fill Material (stiff, no plasticity, moist)                                       |                                                |                                      |                  |                            |                                                        |
|                                           |                       |                               | 2-4 ftbg: dark brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist)                           |                                                |                                      |                  |                            |                                                        |
|                                           |                       |                               | 4-6 ftbg: dark brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist) with some ash             |                                                | 4-6                                  | 1.7              | 12                         |                                                        |
|                                           |                       |                               | 6-9 ftbg: dark brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist) with ash and brick debris |                                                | 6-8                                  | 1.4              | 12                         |                                                        |
|                                           | 10                    |                               | 9-10 ftbg: gray Ash (moist)                                                                                              |                                                | 8-10                                 | 2.2              | 12                         |                                                        |
|                                           |                       |                               | 10-12 ftbg: brown sandy Clay (soft, medium plasticity, moist)                                                            |                                                | 10-12                                | 2.1              | 12                         |                                                        |
|                                           | 15                    |                               | 12-16 ftbg: brown gravelly sandy clayey Fill Material (medium stiff, low plasticity, moist)                              |                                                | 12-16                                | 2.2              | 15                         |                                                        |
|                                           |                       |                               | 16-20 ftbg: gray Gravel (angular and subrounded, medium dense, wet)                                                      |                                                | 16-20                                | 1.2              | 2                          |                                                        |

**DRILLING LOG OF WELL/BORING NO. SB-38**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 4 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: North East of Building A1                                   | Water Encountered: NA                          |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>e<br>r<br>v<br>a<br>l | P<br>l<br>u<br>m<br>b<br>e<br>r<br>i<br>n<br>g | R<br>e<br>c<br>o<br>r<br>d<br>e<br>d<br>v<br>e<br>l<br>o<br>c<br>i<br>t<br>y | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------------------------------------|------------------------------------------------------------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------------------------------------|------------------------------------------------------------------------------|----------|

| Ground Surface |   |    | (Feet)                                                                                                     |     | Parts Per<br>Million<br>(PPM) | (Inches) |                                                       |
|----------------|---|----|------------------------------------------------------------------------------------------------------------|-----|-------------------------------|----------|-------------------------------------------------------|
| NA             | 1 | NA | 0-0.5 ftbg: Asphalt and subbase                                                                            | 0-2 | 1.3                           | 12       |                                                       |
|                |   |    | 0.5-2 ftbg: gray/brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist)   |     |                               |          |                                                       |
|                |   |    | 2-3 ftbg: brown gravelly Sand Fill (coarse, medium and, fine grain, medium dense, moist) with brick debris | NA  |                               |          |                                                       |
|                |   |    | 3-3.5 ftbg: brown gravelly sandy Fill Material (coarse grain, medium dense, moist) with brick debris       | 2-4 | 1.9                           | 12       |                                                       |
|                |   |    | 3.5-4 ftbg: brown sandy clayey Fill Material (stiff, no plasticity, moist)                                 |     |                               |          | Equipment refusal encountered at approximately 4 ftbg |

|  |  |  |  |                                                                                                                                                                                                                                        |  |  |  |
|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
|  |  |  |  |                                                                                                                                                                                                                                        |  |  |  |
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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 10 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: East of Building A1                                         | Water Encountered: NA                           |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                             | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                                   |                                                |                                      |                  |                            |                                                        |
|                                           |                       |                               |                                                                                                                                   | (Feet)                                         | Parts Per Million (PPM)              | (Inches)         |                            |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                                   |                                                |                                      |                  |                            | Equipment refusal encountered at approximately 10 ftbg |
|                                           |                       |                               | 0.5-4 ftbg: dark brown sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                                   | 0-4                                            | 5.1                                  |                  | 18                         |                                                        |
|                                           | 5                     |                               | 4-6 ftbg: dark brown/black sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                               | 4-6                                            | 1.5                                  |                  | 12                         |                                                        |
|                                           |                       |                               | 6-8 ftbg: dark brown/black gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                      | 6-8                                            | 16.2                                 |                  | 12                         |                                                        |
|                                           | 10                    |                               | 8-10 ftbg: dark brown/black gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with rock fragments | 8-10                                           | 2.9                                  |                  | 6                          |                                                        |



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**DRILLING LOG OF WELL/BORING NO. SB-40**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 3 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: South East of Building A1                                   | Water Encountered: NA                          |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description           | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s                                                                                                                                                                                                                                                                                                                             | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments                                              |
|-------------------------------------------|-----------------------|-------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------|----------------------------|-------------------------------------------------------|
| Ground Surface                            |                       |                               |                                 | (Feet)                                                                                                                                                                                                                                                                                                                                                                     | Parts Per Million (PPM)              |                  | (Inches)                   |                                                       |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase | NA                                                                                                                                                                                                                                                                                                                                                                         | 0-3                                  | 3.6              | 15                         | Equipment refusal encountered at approximately 3 ftbg |
|                                           |                       |                               |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                      |                  |                            |                                                       |
|                                           |                       |                               |                                 |  <p> <b>MS ANALYTICAL</b><br/>                     ENVIRONMENTAL CONSULTANTS<br/>                     4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219<br/>                     ☎ (716) 312-8296 ℹ (716) 312-8092<br/> <a href="http://www.msanalytical.com">www.msanalytical.com</a> </p> |                                      |                  |                            |                                                       |



**DRILLING LOG OF WELL/BORING NO. SB-41**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 11 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North of Building B6                                        | Water Encountered: NA                           |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>e<br>r<br>c<br>e<br>n<br>t | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|---------------------------------|----------------------------|----------|

| Ground Surface |    |    |                                                                                                                   | (Feet) | Parts Per Million (PPM) | (Inches) |                                                                                                                              |
|----------------|----|----|-------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| NA             | 1  | NA | 0-0.5 ftbg: Asphalt and subbase                                                                                   | 0-2    | 1.5                     | 15       | Slight organic odor observed between approximately 9.5-11 ftbg<br><br>Equipment refusal encountered at approximately 11 ftbg |
|                |    |    | 0.5-6 ftbg: black sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with some brick debris | 2-4    | 2.0                     | 15       |                                                                                                                              |
|                | 5  |    |                                                                                                                   | 4-6    | 1.7                     | 12       |                                                                                                                              |
|                |    |    | 6-8 ftbg: black sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris        | 6-8    | 2.9                     | 12       |                                                                                                                              |
|                | 10 |    |                                                                                                                   | 8-11   | 1.8                     | 18       |                                                                                                                              |
|                |    |    | 9.5-11 ftbg: black sandy clayey Fill Material (medium stiff, no plasticity, moist) with ash                       |        |                         |          |                                                                                                                              |



**DRILLING LOG OF WELL/BORING NO. SB-42**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 16 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North East of Building B6                                   | Water Encountered: NA                           |
| Date Start/Finished: August 10, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Ryan Welch                          |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                              | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>a<br>r<br>t<br>s<br>P<br>e<br>r<br>M<br>i<br>l<br>l<br>i<br>o<br>n<br>(PPM) | R<br>e<br>c<br>o<br>r<br>d<br>i<br>n<br>g | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------|
|                                           |                       |                               | Ground Surface                                                                                                                     |                                                | (Feet)                               |                                                                                  | (Inches)                                  |                                                        |
| NA                                        | 1                     |                               | 0-0.5 ftbg: Asphalt and subbase                                                                                                    |                                                | 0-2                                  | 5.8                                                                              | 12                                        |                                                        |
|                                           | 5                     |                               | 0.5-2.5 ftbg: dark brown/black sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                            |                                                |                                      |                                                                                  |                                           |                                                        |
|                                           |                       |                               | 2.5-3 ftbg: brown clayey Fill Material (medium stiff, low plasticity, moist)                                                       |                                                | 2-4                                  | 6.1                                                                              | 12                                        |                                                        |
|                                           |                       |                               | 3-6 ftbg: dark brown/black sandy Fill Material (coarse, medium and fine grain, medium dense, moist)                                |                                                | 4-6                                  | 2.1                                                                              | 12                                        |                                                        |
|                                           |                       |                               | 6-6.5 ftbg: brown Clay (stiff, no plasticity, moist)                                                                               |                                                |                                      |                                                                                  |                                           |                                                        |
|                                           |                       |                               | 6.5-8 ftbg: dark brown/black sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris            | NA                                             | 6-8                                  | 6.1                                                                              | 12                                        |                                                        |
|                                           |                       |                               |                                                                                                                                    |                                                | 8-10                                 | 3.9                                                                              | 12                                        |                                                        |
|                                           | 10                    |                               | 8-13 ftbg: tan sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with brick debris                          |                                                | 10-12                                | 3.2                                                                              | 12                                        |                                                        |
|                                           |                       |                               | 13-14 ftbg: brown gravelly sandy Fill Material (coarse, medium and fine grain, medium dense, moist) with some ash and brick debris |                                                | 12-14                                | 4.2                                                                              | 12                                        |                                                        |
|                                           | 15                    |                               | 14-15.5 ftbg: gray/brown Ash (moist)                                                                                               |                                                | 14-16                                | 2.5                                                                              | 12                                        | Equipment refusal encountered at approximately 16 ftbg |
|                                           |                       |                               | 15.5-16 ftbg: brown Clay (stiff, no plasticity, moist)                                                                             |                                                |                                      |                                                                                  |                                           |                                                        |

|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 22 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: East of Building A1                                         | Water Encountered: 16 ftbg                      |
| Date Start/Finished: August 13, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                        | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>i<br>n<br>g | P<br>a<br>r<br>t<br>s<br>P<br>e<br>r<br>M<br>i<br>l<br>l<br>i<br>o<br>n<br>(PPM) | R<br>e<br>c<br>o<br>r<br>d<br>i<br>n<br>g | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                              | (Feet)                                             |                                                |                                                                                  | (Inches)                                  |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                              | NA                                                 | 0-2                                            | 2.4                                                                              | 15                                        | Equipment refusal encountered at approximately 22 ftbg |
|                                           |                       |                               |                                                                                                                              |                                                    | 2-4                                            | 6.8                                                                              | 15                                        |                                                        |
|                                           | 5                     |                               | 0.5-10 ftbg: black/tan Sand (coarse, medium and fine grain, medium dense, moist) with some gravel                            |                                                    | 4-6                                            | 2.4                                                                              | 20                                        |                                                        |
|                                           |                       |                               |                                                                                                                              |                                                    | 6-8                                            | 37.6                                                                             | 20                                        |                                                        |
|                                           |                       |                               |                                                                                                                              |                                                    | 8-10                                           | 2.6                                                                              | 15                                        |                                                        |
|                                           | 10                    |                               | 10-12 ftbg: gray/black sandy clayey gravelly Fill Material (angular and subrounded, medium dense, moist)                     |                                                    | 10-12                                          | 1.5                                                                              | 15                                        |                                                        |
|                                           |                       |                               |                                                                                                                              |                                                    | 12-14                                          | 1.5                                                                              | 15                                        |                                                        |
|                                           | 15                    |                               | 12-16 ftbg: gray clayey Ash (medium stiff, moist)                                                                            |                                                    | 14-16                                          | 1.7                                                                              | 15                                        |                                                        |
|                                           |                       |                               |                                                                                                                              |                                                    | 16-20                                          | 1.6                                                                              | 10                                        |                                                        |
|                                           | 20                    |                               | 20-21.5 ftbg: gray clayey silty Ash (medium stiff, wet)<br>21.5-22 ftbg: brown Clay (medium stiff, medium plasticity, moist) |                                                    | 20-22                                          | 2.1                                                                              | 10                                        |                                                        |

|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 23 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North of Building A1                                        | Water Encountered: 16 ftbg                      |
| Date Start/Finished: August 13, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                             | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>t<br>e<br>r<br>v<br>a<br>l | P<br>l<br>o<br>w<br><br>R<br>e<br>a<br>d<br>i<br>n<br>g | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|---------------------------------------------------------|--------------------------------------|--------------------------------------------------------|
|                                           |                       |                               |                                                                                                   |                                                    |                                      |                                                         |                                      |                                                        |
| Ground Surface                            |                       |                               |                                                                                                   |                                                    |                                      |                                                         |                                      |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                   | NA                                                 | 0-4                                  | 1.3                                                     | 15                                   | Equipment refusal encountered at approximately 23 ftbg |
|                                           | 5                     |                               | 0.5-7 ftbg: black/brown sandy gravelly clayey Fill Material (stiff, low plasticity, moist)        |                                                    | 4-8                                  | 2.0                                                     | 15                                   |                                                        |
|                                           | 10                    |                               | 7-8 ftbg: black/brown sandy gravelly clayey Fill Material (stiff, low plasticity, moist) with ash |                                                    | 8-12                                 | 1.0                                                     | 15                                   |                                                        |
|                                           |                       |                               | 8-12 ftbg: brown sandy gravelly Clay (medium stiff, low plasticity, moist) with some ash          |                                                    | 12-16                                | 1.0                                                     | 6                                    |                                                        |
|                                           |                       |                               | 12-16 ftbg: brown gravelly Clay (medium stiff, low plasticity, moist)                             |                                                    | 16-20                                | 0.7                                                     | 6                                    |                                                        |
|                                           | 20                    |                               | 16-20 ftbg: brown silty sandy Gravel (angular and subrounded, medium dense, wet)                  |                                                    | 20-23                                | 0.7                                                     | 6                                    |                                                        |
|                                           |                       |                               | 20-23 ftbg: gray silty Gravel (angular and subrounded, loose, wet)                                |                                                    |                                      |                                                         |                                      |                                                        |

**DRILLING LOG OF WELL/BORING NO. SB-45**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 20 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: South East of Building B2                                   | Water Encountered: NA                           |
| Date Start/Finished: August 13, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                        | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s<br>D<br>i<br>s<br>c<br>o<br>v<br>e<br>r<br>y | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments                                                                |
|-------------------------------------------|-----------------------|-------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|---------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                              | (Feet)                                         | Parts Per Million (PPM)              | (Inches)                                                      |                                      |                                                                         |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                              | NA                                             |                                      |                                                               |                                      | Boring terminated due to obstruction in boring at approximately 20 ftbg |
|                                           |                       |                               | 0.5-4 ftbg: black/brown/tan clayey Sand (coarse, medium and fine grain, medium dense, moist) |                                                | 0-4                                  | 1.3                                                           | 15                                   |                                                                         |
|                                           | 5                     |                               | 4-6 ftbg: black/tan Sand (coarse, medium and fine grain, medium dense, moist)                |                                                | 4-8                                  | 4.6                                                           | 15                                   |                                                                         |
|                                           |                       |                               | 6-10 ftbg: brown gravelly clayey Sand (coarse and medium grain, dense, moist)                |                                                | 8-10                                 | 1.6                                                           | 15                                   |                                                                         |
|                                           | 10                    |                               | 10-12 ftbg: gray/black Ash (soft, moist)                                                     |                                                | 10-12                                | 1.2                                                           | 15                                   |                                                                         |
|                                           | 15                    |                               | 12-20 ftbg: no recovery, boring terminated                                                   |                                                | 12-20                                | -                                                             | -                                    |                                                                         |

|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 21 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: South East of Building B2                                   | Water Encountered: NA                           |
| Date Start/Finished: August 13, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                              | B<br>l<br>o<br>w<br><br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>t<br>e<br>r<br>v<br>a<br>l | P<br>l<br>o<br>t<br>t<br>e<br>d<br>v<br>a<br>l<br>u<br>e | R<br>e<br>c<br>o<br>r<br>d<br>e<br>d<br>v<br>a<br>l<br>u<br>e | Comments                                                  |
|-------------------------------------------|-----------------------|-------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                    |                                                    | (Feet)                               | Parts Per<br>Million<br>(PPM)                            | (Inches)                                                      |                                                           |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                    | NA                                                 | 0-4                                  | 1.6                                                      | 15                                                            | Equipment refusal encountered<br>at approximately 21 ftbg |
|                                           | 5                     |                               | 0.5-6 ftbg: black/tan Sand (course, medium and fine grain,<br>medium dense, moist) |                                                    | 4-6                                  | 1.1                                                      | 15                                                            |                                                           |
|                                           | 10                    |                               | 6-9 ftbg: black sandy clayey Gravel (angular, medium dense,<br>moist)              |                                                    | 6-8                                  | 2.4                                                      | 15                                                            |                                                           |
|                                           | 15                    |                               | 9-20 ftbg: gray clayey Ash (soft, moist) with gravel                               |                                                    | 8-10                                 | 1.8                                                      | 15                                                            |                                                           |
|                                           | 20                    |                               | 20-21 ftbg: black clayey Gravel (angular, medium dense, moist)<br>with wood debris |                                                    | 10-12                                | 1.0                                                      | 15                                                            |                                                           |
|                                           |                       |                               |                                                                                    |                                                    | 12-16                                | 1.4                                                      | 20                                                            |                                                           |
|                                           |                       |                               |                                                                                    |                                                    | 16-20                                | 1.6                                                      | 15                                                            |                                                           |
|                                           |                       |                               |                                                                                    |                                                    | 20-21                                | 1.5                                                      | 12                                                            |                                                           |

**DRILLING LOG OF WELL/BORING NO. SB-47**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 10 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: South of Building A3                                        | Water Encountered: NA                           |
| Date Start/Finished: August 12, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                             | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments                                               |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|--------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                   | (Feet)                                         | Parts Per Million (PPM)              | (Inches)         |                            |                                                        |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                   |                                                | 0-2                                  | 1.6              | 15                         | Equipment refusal encountered at approximately 10 ftbg |
|                                           |                       |                               |                                                                                   |                                                | 2-4                                  | 2.1              | 15                         |                                                        |
|                                           | 5                     |                               | 0.5-9.5 ftbg: black/tan Sand (coarse, medium and fine grain, medium dense, moist) | NA                                             | 4-6                                  | 2.0              | 15                         |                                                        |
|                                           |                       |                               |                                                                                   |                                                | 6-8                                  | 2.8              | 15                         |                                                        |
|                                           | 10                    |                               | 9.5-10 ftbg: gray Ash (stiff, moist)                                              |                                                | 8-10                                 | 2.3              | 20                         |                                                        |



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**DRILLING LOG OF WELL/BORING NO. SB-48**

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|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 7 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                           |
| Boring Location: South West of Building B4                                   | Water Encountered: NA                          |
| Date Start/Finished: August 13, 2012                                         | Water At End of Drilling: NA                   |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                          |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                       |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description                                                                                                 | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments                                              |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|-------------------------------------------------------|
| Ground Surface                            |                       |                               |                                                                                                                       | (Feet)                                         | Parts Per Million (PPM)              | (Inches)         |                            |                                                       |
| NA                                        | 1                     | NA                            | 0-0.5 ftbg: Asphalt and subbase                                                                                       |                                                |                                      |                  |                            |                                                       |
|                                           |                       |                               | 0.5-4 ftbg: black/tan gravelly Sand (coarse, medium and fine grain, medium dense, moist)                              | NA                                             | 0-4                                  | 8.8              | 15                         |                                                       |
|                                           | 5                     |                               | 4-7 ftbg: black/tan gravelly Sand (coarse, medium and fine grain, medium dense, moist) with brick in end of macrocore |                                                | 4-7                                  | 4.1              | 15                         | Equipment refusal encountered at approximately 7 ftbg |



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**DRILLING LOG OF WELL/BORING NO. SB-49**

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|                                                                              |                                                  |
|------------------------------------------------------------------------------|--------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 3.5 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                             |
| Boring Location: South West of Building B4                                   | Water Encountered: NA                            |
| Date Start/Finished: August 13, 2012                                         | Water At End of Drilling: NA                     |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                            |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                         |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>r<br>e<br>a<br>s<br>e | P<br>l<br>u<br>s | R<br>e<br>c<br>o<br>r<br>d | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|--------------------------------------|------------------|----------------------------|----------|

| Ground Surface |   |    |                                                                                                                               |    | (Feet) | Parts Per Million (PPM) | (Inches) |                                                         |
|----------------|---|----|-------------------------------------------------------------------------------------------------------------------------------|----|--------|-------------------------|----------|---------------------------------------------------------|
| NA             | 1 | NA | 0-0.5 ftbg: Asphalt and subbase<br>0.5-3.5 ftbg: brown/tan gravelly Sand (coarse, medium and fine grain, medium dense, moist) | NA | 0-3.5  | 4.2                     | 20       | Equipment refusal encountered at approximately 3.5 ftbg |

|  |  |  |  |                                                                                                                                                                                                                                       |  |  |  |
|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
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**DRILLING LOG OF WELL/BORING NO. SB-50**

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|                                                                              |                                                 |
|------------------------------------------------------------------------------|-------------------------------------------------|
| Project Number: 12MS-104(.5)                                                 | Total Depth of Hole: 13 feet below grade (ftbg) |
| Project Location: Kensington Heights 1827 Fillmore Avenue, Buffalo, New York | Ground Elevation: NA                            |
| Boring Location: North West of Building A5                                   | Water Encountered: NA                           |
| Date Start/Finished: August 13, 2012                                         | Water At End of Drilling: NA                    |
| Drilling Contractor: Russo Development, Inc.                                 | Equipment: PowerProbe                           |
| Drilling Method: Hydraulically driven system (PowerProbe)                    | Technician: Joseph Mecca                        |

| E<br>l<br>e<br>v<br>a<br>t<br>i<br>o<br>n | D<br>e<br>p<br>t<br>h | Well<br>Completion<br>Diagram | Soil/Rock Description | B<br>l<br>o<br>w<br>C<br>o<br>u<br>n<br>t<br>s | I<br>n<br>c<br>e<br>r<br>v<br>a<br>l<br>g | P<br>l<br>u<br>s<br>R<br>e<br>a<br>d<br>i<br>n<br>g | R<br>e<br>c<br>o<br>v<br>e<br>r<br>y | Comments |
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|-------------------------------------------|-----------------------------------------------------|--------------------------------------|----------|
|-------------------------------------------|-----------------------|-------------------------------|-----------------------|------------------------------------------------|-------------------------------------------|-----------------------------------------------------|--------------------------------------|----------|

| Ground Surface                                         |    |    |                                                                                                                 | (Feet) | Parts Per Million (PPM) | (Inches) |    |
|--------------------------------------------------------|----|----|-----------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------|----|
| NA                                                     | 1  | NA | 0-0.5 ftbg: Asphalt and subbase                                                                                 | NA     |                         |          |    |
|                                                        |    |    | 0.5-4.5 ftbg: brown/black gravelly Sand (coarse, medium and fine grain, medium dense, moist)                    |        | 0-4                     | 1.2      | 15 |
|                                                        | 5  |    |                                                                                                                 |        | 4-8                     | 5.9      | 15 |
|                                                        |    |    | 4.5-12 ftbg: black/brown Sand (coarse, medium and fine grain, medium dense, moist)                              |        | 8-12                    | 1.7      | 15 |
|                                                        | 10 |    | 12-13 ftbg: black/brown gravelly Sand (coarse, medium and fine grain, medium dense, moist) with pieces of glass |        | 12-13                   | 1.5      | 12 |
| Equipment refusal encountered at approximately 13 ftbg |    |    |                                                                                                                 |        |                         |          |    |





## WELL ABANDONMENT/ DECOMMISSIONING LOG

| PROJECT INFORMATION                                             | WELL INFORMATION                   |
|-----------------------------------------------------------------|------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 | WELL I.D.: MW-1                    |
| Client: Rupp Pfalzgraf LLC                                      | Stick-up (feet): 2.5               |
| Project Job Number: 4383.0005P000                               | Screen Interval (fbgs): 8          |
| Date: 7/17/24 7/17/2024                                         | Drilling Company: Earth Dimensions |
| Weather: 69° Cloudy, slight breeze                              | Drill Rig Type: Diedrich D50       |
| Prepared by: Michael Lohiser                                    | Drilling Company Personnel: N/A    |

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)

|                                                                                                                                                                                                         | YES         | NO |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----|
| Well visible? (If not, provide directions below)                                                                                                                                                        | X           |    |
| Well I.D. visible?                                                                                                                                                                                      | X           |    |
| Well location matches site map? (If not, sketch actual location on back)                                                                                                                                | X           |    |
| Well I.D. as it appears on protective casing or well:                                                                                                                                                   | MW-1        |    |
| Surface seal present?                                                                                                                                                                                   | X           |    |
| Surface seal competent? (If cracked, heaved, etc., describe below)                                                                                                                                      | X           |    |
| Protective casing in good condition? (If damaged, describe below)                                                                                                                                       | X           |    |
| Headspace reading (ppm) and instrument used:                                                                                                                                                            | 0 ppm       |    |
| Type of protective casing and height of stickup in feet (if applicable):                                                                                                                                | N/A         |    |
| Protective casing material type:                                                                                                                                                                        | N/A         |    |
| Measure protective casing inside diameter (inches):                                                                                                                                                     | N/A         |    |
| Lock present?                                                                                                                                                                                           | Flush mount |    |
| Lock functional?                                                                                                                                                                                        | N/A         |    |
| Did you replace the lock?                                                                                                                                                                               | N/A         |    |
| Is there evidence that the well is double cased? (If yes, describe below)                                                                                                                               |             | X  |
| Well measuring point visible?                                                                                                                                                                           | X           |    |
| Measure depth to water from measuring point (feet):                                                                                                                                                     | 9.5 ft      |    |
| Measure well depth from measuring point (feet):                                                                                                                                                         | 12.4 ft     |    |
| Measure well diameter (inches):                                                                                                                                                                         | 2"          |    |
| Well casing material:                                                                                                                                                                                   | PVC         |    |
| Physical condition of visible well casing:                                                                                                                                                              | Good        |    |
| Attach I.D. marker (if well I.D. is confirmed) and identify marker type:                                                                                                                                | N/A         |    |
| Proximity to underground or overhead utilities:                                                                                                                                                         | N/A         |    |
| Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary. | Road Box    |    |
| Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.                                                   | Driveway    |    |
| Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)                                                                                                 | N/A         |    |
| Remarks:                                                                                                                                                                                                |             |    |



PROJECT/SITE NAME: 1827 Fillmore Avenue  
BCP Site No. C915279

MW-1

**Well Schematic\***

N/A

## Casing type/diam. (in.)

## Interval perforated

## Volume of grout used (gal.)

granted base Hk  
after casing was removed

[illegible]

\* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| PROJECT INFORMATION                                             | WELL INFORMATION                   |
|-----------------------------------------------------------------|------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 | WELL I.D.: MW-2                    |
| Client: Rupp Pfalzgraf LLC                                      | Stick-up (feet): 3'                |
| Project Job Number: 4383.0005P000                               | Screen Interval (fbgs): 13'        |
| Date: 7/17/24 7/17/2024                                         | Drilling Company: Earth Dimensions |
| Weather: 69° Cloudy Slight Breeze                               | Drill Rig Type: Ditch D50          |
| Prepared by: Michael Lehner                                     | Drilling Company Personnel: N/A    |

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)

Well visible? (If not, provide directions below)

Well I.D. visible?

Well location matches site map? (If not, sketch actual location on back)

| YES                                 | NO                       |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Well I.D. as it appears on protective casing or well:

MW-2

Surface seal present?

Surface seal competent? (If cracked, heaved, etc., describe below)

Protective casing in good condition? (If damaged, describe below)

|                                     |                          |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Headspace reading (ppm) and instrument used:

Type of protective casing and height of stickup in feet (if applicable):

Protp 3: Oppm

Protective casing material type:

4" steel N/A

Measure protective casing inside diameter (inches):

Lock present?

Lock functional?

Did you replace the lock?

Is there evidence that the well is double cased? (If yes, describe below)

Well measuring point visible?

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Measure depth to water from measuring point (feet):

MW-1  
27.7

Measure well depth from measuring point (feet):

Measure well diameter (inches):

2"

Well casing material:

PVC

Physical condition of visible well casing:

Good

Attach I.D. marker (if well I.D. is confirmed) and identify marker type:

N/A

Proximity to underground or overhead utilities:

N/A

Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary.

open field

Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.

field

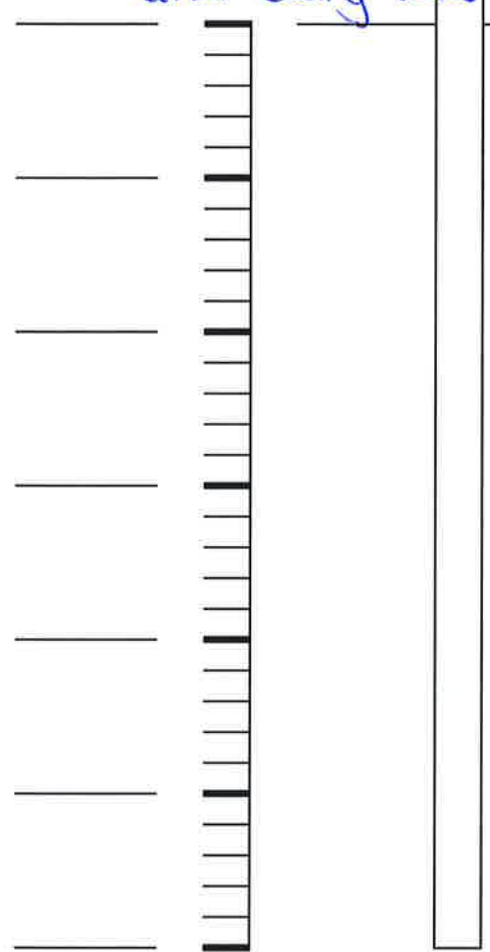
Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)

N/A

Remarks:



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| DECOMMISSIONING PROCEDURES (per NYSDEC DER-10) - continued                                                                                                                                                                                                                                                                                                            |                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279                                                                                                                                                                                                                                                                                                       | WELL I.D.: MW-2                                                                                                                                               |
| <b>Decommissioning Data</b><br>(Fill in all that apply)                                                                                                                                                                                                                                                                                                               | <b>Well Schematic*</b>                                                                                                                                        |
| <u>Overdrilling</u><br>Interval Drilled N/A<br>Drilling Method(s)<br>Borehole Diameter (in.)<br>Temp. Casing Installed? (Y/N)<br>Depth temp. casing installed<br>Casing type/diam (in.)<br>Method of Installation                                                                                                                                                     | <p>Depth (feet)</p> <p>grouted bore hole<br/>after casing was removed</p>  |
| <u>Casing Pulling</u><br>Method employed Pulled out with chain<br>Casing retrieved (feet) 27.7<br>Casing type/diam. (in.) 2" PVC                                                                                                                                                                                                                                      |                                                                                                                                                               |
| <u>Casing Perforating</u><br>Equipment used N/A<br>Number of perforations/foot<br>Size of perforations<br>Interval perforated                                                                                                                                                                                                                                         |                                                                                                                                                               |
| <u>Grouting</u><br>Interval grouted (fbgs) 27.7<br>No. of batches prepared 1<br>For each batch record:<br>Quantity of water used (gal.) 4<br>Quantity of cement used (lbs.) 20<br>Cement type Portland<br>Quantity of bentonite used (lbs.) 1<br>Quantity of calcium chloride used (lbs.) N/A<br>Volume of grout prepared (gal.) 10<br>Volume of grout used (gal.) 10 |                                                                                                                                                               |
| <u>Comments</u>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                               |
| <p>* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.</p>                                                                                                                                                                                                                      |                                                                                                                                                               |





## WELL ABANDONMENT/ DECOMMISSIONING LOG

| PROJECT INFORMATION                                             | WELL INFORMATION                   |
|-----------------------------------------------------------------|------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 | WELL I.D.: MW-3                    |
| Client: Rupp Pfalzgraf LLC                                      | Stick-up (feet): 1.5               |
| Project Job Number: 4383.0005P000                               | Screen Interval (fbgs): 9          |
| Date: 7/17/24 7/17/2024                                         | Drilling Company: Earth Dimensions |
| Weather: 69° Cloudy, Slight Breeze                              | Drill Rig Type: Diedrich           |
| Prepared by: Michael Lohiser                                    | Drilling Company Personnel: DIT    |

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)

Well visible? (If not, provide directions below)

Well I.D. visible?

Well location matches site map? (If not, sketch actual location on back)

| YES                                 | NO                       |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Well I.D. as it appears on protective casing or well:

Surface seal present?

Surface seal competent? (If cracked, heaved, etc., describe below)

Protective casing in good condition? (If damaged, describe below)

|                                     |                          |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Headspace reading (ppm) and instrument used: 0 ppm

Type of protective casing and height of stickup in feet (if applicable): Protap 2.5'

Protective casing material type: 4" Steel

Measure protective casing inside diameter (inches): N/A

Lock present?

Lock functional?

Did you replace the lock?

Is there evidence that the well is double cased? (If yes, describe below)

Well measuring point visible?

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Measure depth to water from measuring point (feet): 16.1

Measure well depth from measuring point (feet): 25.8

Measure well diameter (inches): 2"

Well casing material: PVC

Physical condition of visible well casing: Good

Attach I.D. marker (if well I.D. is confirmed) and identify marker type: N/A

Proximity to underground or overhead utilities: N/A

Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary.

open field

Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.

Field

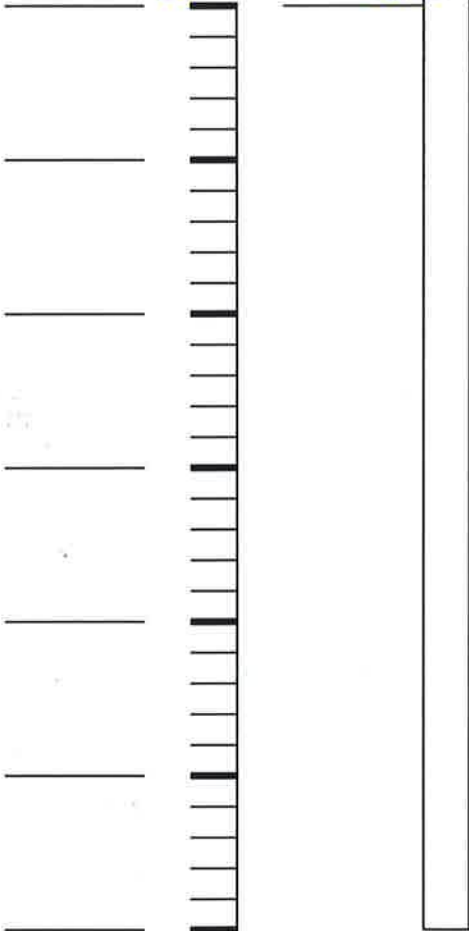
Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)

N/A

Remarks:



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| DECOMMISSIONING PROCEDURES (per NYSDEC DER-10) - continued                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279                                                                                                                                                                                                                                                                                                       | WELL I.D.: MW-3                                                                                                                                                   |
| <b>Decommissioning Data</b><br>(Fill in all that apply)                                                                                                                                                                                                                                                                                                               | <b>Well Schematic*</b>                                                                                                                                            |
| <u>Overdrilling</u> N/A<br>Interval Drilled<br>Drilling Method(s)<br>Borehole Diameter (in.)<br>Temp. Casing Installed? (Y/N)<br>Depth temp. casing installed<br>Casing type/diam. (in.)<br>Method of Installation                                                                                                                                                    | <div>Depth (feet)</div> <div>grouted bore hole after casing was removed</div>  |
| <u>Casing Pulling</u><br>Method employed Pulled out with chain<br>Casing retrieved (feet) 25.8<br>Casing type/diam. (in.) 2" PVC                                                                                                                                                                                                                                      |                                                                                                                                                                   |
| <u>Casing Perforating</u><br>Equipment used N/A<br>Number of perforations/foot<br>Size of perforations<br>Interval perforated                                                                                                                                                                                                                                         |                                                                                                                                                                   |
| <u>Grouting</u><br>Interval grouted (fbgs) 25.8<br>No. of batches prepared 1<br>For each batch record:<br>Quantity of water used (gal.) 4<br>Quantity of cement used (lbs.) 20<br>Cement type Portland<br>Quantity of bentonite used (lbs.) 1<br>Quantity of calcium chloride used (lbs.) N/A<br>Volume of grout prepared (gal.) 10<br>Volume of grout used (gal.) 10 |                                                                                                                                                                   |
| <u>Comments</u>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |
| <p>* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.</p>                                                                                                                                                                                                                      |                                                                                                                                                                   |





## WELL ABANDONMENT/ DECOMMISSIONING LOG

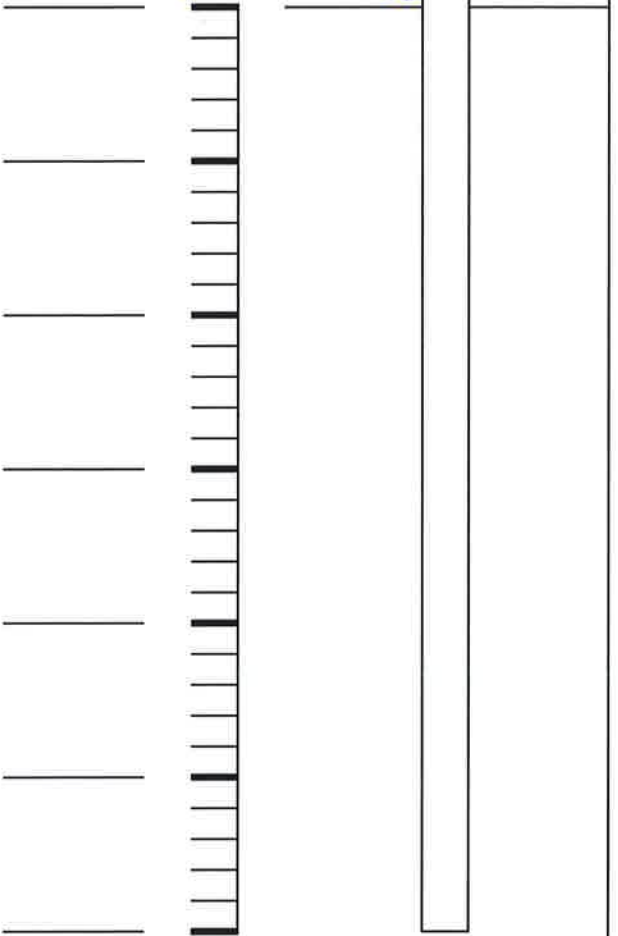
| PROJECT INFORMATION                                             |  | WELL INFORMATION                   |  |
|-----------------------------------------------------------------|--|------------------------------------|--|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 |  | WELL I.D.: MW-4                    |  |
| Client: Rupp Pfalzgraf LLC                                      |  | Stick-up (feet): 2.5               |  |
| Project Job Number: 4383.0005P000                               |  | Screen Interval (fbs): 8           |  |
| Date: 7/17/24 7/17/2024                                         |  | Drilling Company: Earth Dimensions |  |
| Weather: 69° Cloudy Slight Breeze                               |  | Drill Rig Type: D50                |  |
| Prepared by: Michael Kohler                                     |  | Drilling Company Personnel: N/A    |  |

| DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)                                                                                                                                                                        |     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| Well visible? (If not, provide directions below)                                                                                                                                                                      | YES | NO |
| Well I.D. visible?                                                                                                                                                                                                    | X   |    |
| Well location matches site map? (If not, sketch actual location on back)                                                                                                                                              | X   |    |
| Well I.D. as it appears on protective casing or well: MW-4                                                                                                                                                            |     |    |
| Surface seal present?                                                                                                                                                                                                 | X   |    |
| Surface seal competent? (If cracked, heaved, etc., describe below)                                                                                                                                                    | X   |    |
| Protective casing in good condition? (If damaged, describe below)                                                                                                                                                     | X   |    |
| Headspace reading (ppm) and instrument used:                                                                                                                                                                          |     |    |
| Type of protective casing and height of stickup in feet (if applicable): 4' Steel                                                                                                                                     |     |    |
| Protective casing material type:                                                                                                                                                                                      |     |    |
| Measure protective casing inside diameter (inches): N/A                                                                                                                                                               |     |    |
| Lock present?                                                                                                                                                                                                         | X   |    |
| Lock functional?                                                                                                                                                                                                      | X   |    |
| Did you replace the lock?                                                                                                                                                                                             |     | X  |
| Is there evidence that the well is double cased? (If yes, describe below)                                                                                                                                             |     | X  |
| Well measuring point visible?                                                                                                                                                                                         | X   |    |
| Measure depth to water from measuring point (feet): 5                                                                                                                                                                 |     |    |
| Measure well depth from measuring point (feet): 15.6                                                                                                                                                                  |     |    |
| Measure well diameter (inches): 2"                                                                                                                                                                                    |     |    |
| Well casing material: PVC                                                                                                                                                                                             |     |    |
| Physical condition of visible well casing: Good                                                                                                                                                                       |     |    |
| Attach I.D. marker (if well I.D. is confirmed) and identify marker type: N/A                                                                                                                                          |     |    |
| Proximity to underground or overhead utilities: N/A                                                                                                                                                                   |     |    |
| Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary.<br>open field |     |    |
| Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.<br>field                                                        |     |    |
| Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)<br>N/A                                                                                                        |     |    |
| Remarks:                                                                                                                                                                                                              |     |    |



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| DECOMMISSIONING PROCEDURES (per NYSDEC DER-10) - continued                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279                                                                                                                                                                                                                                                                                                       | WELL I.D.: MW-4                                                                                                                                                   |
| <b>Decommissioning Data</b><br>(Fill in all that apply)                                                                                                                                                                                                                                                                                                               | <b>Well Schematic*</b>                                                                                                                                            |
| <u>Overdrilling</u><br>Interval Drilled N/A<br>Drilling Method(s)<br>Borehole Diameter (in.)<br>Temp. Casing Installed? (Y/N)<br>Depth temp. casing installed<br>Casing type/diam (in.)<br>Method of Installation                                                                                                                                                     | <div>Depth (feet)</div> <div>grouted bore hole after casing was removed</div>  |
| <u>Casing Pulling</u><br>Method employed Pulled out with chain<br>Casing retrieved (feet) 15.6<br>Casing type/diam. (in.) 2" PVC                                                                                                                                                                                                                                      |                                                                                                                                                                   |
| <u>Casing Perforating</u><br>Equipment used N/A<br>Number of perforations/foot<br>Size of perforations<br>Interval perforated                                                                                                                                                                                                                                         |                                                                                                                                                                   |
| <u>Grouting</u><br>Interval grouted (fbgs) 15.6<br>No. of batches prepared 1<br>For each batch record:<br>Quantity of water used (gal.) 3<br>Quantity of cement used (lbs.) 15<br>Cement type Portland<br>Quantity of bentonite used (lbs.) 3/4<br>Quantity of calcium chloride used (lbs.) N/A<br>Volume of grout prepared (gal.) 7<br>Volume of grout used (gal.) 7 |                                                                                                                                                                   |
| <u>Comments</u>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |
| <p>* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.</p>                                                                                                                                                                                                                      |                                                                                                                                                                   |



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| PROJECT INFORMATION                                             | WELL INFORMATION                   |
|-----------------------------------------------------------------|------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 | WELL I.D.: MW-5R                   |
| Client: Rupp Pfalzgraf LLC                                      | Stick-up (feet): 3                 |
| Project Job Number: 4383.0005P000                               | Screen Interval (fbgs): 10         |
| Date: 7/17/24 7/17/2024                                         | Drilling Company: Earth Dimensions |
| Weather: 69° cloudy, slight breeze                              | Drill Rig Type: D-120              |
| Prepared by: Michael Lohr                                       | Drilling Company Personnel: DJT    |

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)

|                                                                                                                                                                                                                       | YES                                 | NO                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Well visible? (If not, provide directions below)                                                                                                                                                                      | <input checked="" type="checkbox"/> |                                     |
| Well I.D. visible?                                                                                                                                                                                                    | <input checked="" type="checkbox"/> |                                     |
| Well location matches site map? (If not, sketch actual location on back)                                                                                                                                              | <input checked="" type="checkbox"/> |                                     |
| Well I.D. as it appears on protective casing or well: MW-5R                                                                                                                                                           |                                     |                                     |
| Surface seal present?                                                                                                                                                                                                 | <input checked="" type="checkbox"/> |                                     |
| Surface seal competent? (If cracked, heaved, etc., describe below)                                                                                                                                                    | <input checked="" type="checkbox"/> |                                     |
| Protective casing in good condition? (If damaged, describe below)                                                                                                                                                     | <input checked="" type="checkbox"/> |                                     |
| Headspace reading (ppm) and instrument used: 0 ppm                                                                                                                                                                    |                                     |                                     |
| Type of protective casing and height of stickup in feet (if applicable): 4' steel                                                                                                                                     |                                     |                                     |
| Protective casing material type: 4' steel                                                                                                                                                                             |                                     |                                     |
| Measure protective casing inside diameter (inches): 11.75                                                                                                                                                             |                                     |                                     |
| Lock present?                                                                                                                                                                                                         | <input checked="" type="checkbox"/> |                                     |
| Lock functional?                                                                                                                                                                                                      | <input checked="" type="checkbox"/> |                                     |
| Did you replace the lock?                                                                                                                                                                                             |                                     | <input checked="" type="checkbox"/> |
| Is there evidence that the well is double cased? (If yes, describe below)                                                                                                                                             |                                     | <input checked="" type="checkbox"/> |
| Well measuring point visible?                                                                                                                                                                                         | <input checked="" type="checkbox"/> |                                     |
| Measure depth to water from measuring point (feet): 5.5                                                                                                                                                               |                                     |                                     |
| Measure well depth from measuring point (feet): 15.5                                                                                                                                                                  |                                     |                                     |
| Measure well diameter (inches): 2"                                                                                                                                                                                    |                                     |                                     |
| Well casing material: PVC                                                                                                                                                                                             |                                     |                                     |
| Physical condition of visible well casing: Good                                                                                                                                                                       |                                     |                                     |
| Attach I.D. marker (if well I.D. is confirmed) and identify marker type: N/A                                                                                                                                          |                                     |                                     |
| Proximity to underground or overhead utilities: N/A                                                                                                                                                                   |                                     |                                     |
| Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary.<br>open field |                                     |                                     |
| Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.<br>field                                                        |                                     |                                     |
| Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)<br>N/A                                                                                                        |                                     |                                     |
| Remarks:                                                                                                                                                                                                              |                                     |                                     |



## WELL ABANDONMENT/ DECOMMISSIONING LOG

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10) - continued

PROJECT/SITE NAME: 1827 Fillmore Avenue  
BCP Site No. C915279

WELL I.D.: MW-5R

#### Decommissioning Data (Fill in all that apply)

#### Well Schematic\*

##### Overdrilling

Interval Drilled N/A  
Drilling Method(s)  
Borehole Diameter (in.)  
Temp. Casing Installed? (Y/N)  
Depth temp. casing installed  
Casing type/diam (in.)  
Method of Installation

##### Casing Pulling

Method employed Pulled out w/ chain  
Casing retrieved (feet) 15.5  
Casing type/diam. (in.) 2" PVC

##### Casing Perforating

Equipment used N/A  
Number of perforations/foot  
Size of perforations  
Interval perforated

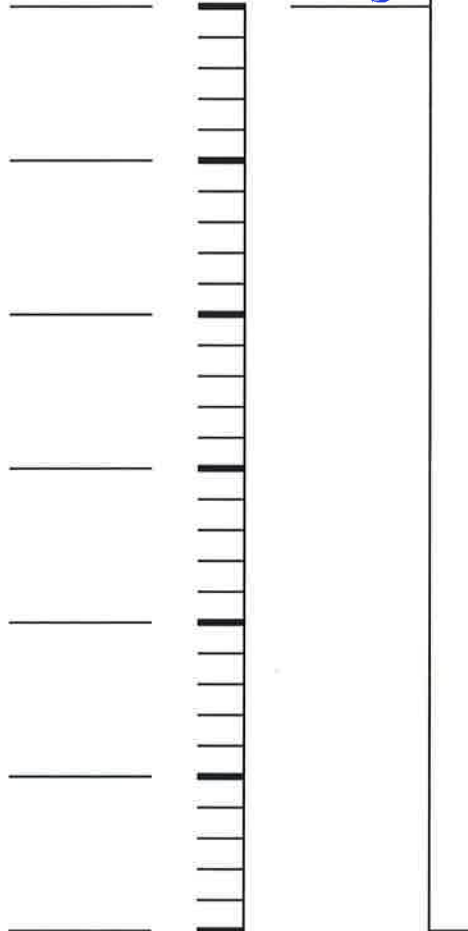
##### Grouting

Interval grouted (fbgs) 15.5  
No. of batches prepared 1  
For each batch record:  
Quantity of water used (gal.) 3  
Quantity of cement used (lbs.) 15  
Cement type Portland  
Quantity of bentonite used (lbs.) 3/4  
Quantity of calcium chloride used (lbs.) N/A  
Volume of grout prepared (gal.) 7  
Volume of grout used (gal.) 7

##### Comments

Depth  
(feet)

grouted base hole  
after casing was removed



\* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.





## WELL ABANDONMENT/ DECOMMISSIONING LOG

| PROJECT INFORMATION                                             | WELL INFORMATION                   |
|-----------------------------------------------------------------|------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 | WELL I.D.: MW-7                    |
| Client: Rupp Pfalzgraf LLC                                      | Stick-up (feet): 2.5               |
| Project Job Number: 4383.0005P000                               | Screen Interval (fbgs): 10         |
| Date: 7/17/24 7/17/2024                                         | Drilling Company: Earth Dimensions |
| Weather: 69° Cloudy, Slight Breeze                              | Drill Rig Type: Ditch D50          |
| Prepared by: Michael Wagner                                     | Drilling Company Personnel: DIA    |

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)

|                                                                                                                                                                                                         | YES        | NO  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|
| Well visible? (If not, provide directions below)                                                                                                                                                        | X          |     |
| Well I.D. visible?                                                                                                                                                                                      | X          |     |
| Well location matches site map? (If not, sketch actual location on back)                                                                                                                                | X          |     |
| Well I.D. as it appears on protective casing or well:                                                                                                                                                   | MW-7       |     |
| Surface seal present?                                                                                                                                                                                   | X          |     |
| Surface seal competent? (If cracked, heaved, etc., describe below)                                                                                                                                      | X          |     |
| Protective casing in good condition? (If damaged, describe below)                                                                                                                                       | X          |     |
| Headspace reading (ppm) and instrument used:                                                                                                                                                            |            |     |
| Type of protective casing and height of stickup in feet (if applicable):                                                                                                                                | 2" Steel   | 2.5 |
| Protective casing material type:                                                                                                                                                                        | DIA        |     |
| Measure protective casing inside diameter (inches):                                                                                                                                                     |            |     |
| Lock present?                                                                                                                                                                                           | X          |     |
| Lock functional?                                                                                                                                                                                        | X          |     |
| Did you replace the lock?                                                                                                                                                                               |            | X   |
| Is there evidence that the well is double cased? (If yes, describe below)                                                                                                                               |            | X   |
| Well measuring point visible?                                                                                                                                                                           | X          |     |
| Measure depth to water from measuring point (feet):                                                                                                                                                     | 13'        |     |
| Measure well depth from measuring point (feet):                                                                                                                                                         | 24.3       |     |
| Measure well diameter (inches):                                                                                                                                                                         | 2"         |     |
| Well casing material:                                                                                                                                                                                   | PVC        |     |
| Physical condition of visible well casing:                                                                                                                                                              | Good       |     |
| Attach I.D. marker (if well I.D. is confirmed) and identify marker type:                                                                                                                                | DIA        |     |
| Proximity to underground or overhead utilities:                                                                                                                                                         | DIA        |     |
| Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary. | Open field |     |
| Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.                                                   | field      |     |
| Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)                                                                                                 | DIA        |     |
| Remarks:                                                                                                                                                                                                |            |     |



## WELL ABANDONMENT/ DECOMMISSIONING LOG

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10) - continued

PROJECT/SITE NAME: 1827 Fillmore Avenue  
BCP Site No. C915279

WELL I.D.:

MW-7

#### Decommissioning Data (Fill in all that apply)

#### Well Schematic\*

##### Overdrilling

Interval Drilled

N/A

Drilling Method(s)

Borehole Diameter (in.)

Temp. Casing Installed? (Y/N)

Depth temp. casing installed

Casing type/diam. (in.)

Method of Installation

##### Casing Pulling

Method employed

Pulled out with chain

Casing retrieved (feet)

24.3

Casing type/diam. (in.)

2" PVC

##### Casing Perforating

Equipment used

N/A

Number of perforations/foot

Size of perforations

Interval perforated

##### Grouting

Interval grouted (fbgs)

24.3

No. of batches prepared

1

For each batch record:

Quantity of water used (gal.)

4

Quantity of cement used (lbs.)

20

Cement type

Portland

Quantity of bentonite used (lbs.)

1

Quantity of calcium chloride used (lbs.)

N/A

Volume of grout prepared (gal.)

10

Volume of grout used (gal.)

10

##### Comments

Depth  
(feet)

grouted base hole  
after casing was removed

\* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| PROJECT INFORMATION                                             | WELL INFORMATION                   |
|-----------------------------------------------------------------|------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 | WELL I.D.: MW-9                    |
| Client: Rupp Pfalzgraf LLC                                      | Stick-up (feet): 3                 |
| Project Job Number: 4383.0005P000                               | Screen Interval (fbgs): 10         |
| Date: 7/17/24 7/17/2024                                         | Drilling Company: Earth Dimensions |
| Weather: 69° Cloudy Slight Breeze                               | Drill Rig Type: Deedrich           |
| Prepared by: Michael Wohlters                                   | Drilling Company Personnel: DIA    |

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)

Well visible? (If not, provide directions below)

Well I.D. visible?

Well location matches site map? (If not, sketch actual location on back)

| YES | NO |
|-----|----|
| X   |    |
| X   |    |
| X   |    |

Well I.D. as it appears on protective casing or well:

MW-9

Surface seal present?

Surface seal competent? (If cracked, heaved, etc., describe below)

Protective casing in good condition? (If damaged, describe below)

|   |  |
|---|--|
| X |  |
| X |  |
| X |  |

Headspace reading (ppm) and instrument used:

Type of protective casing and height of stickup in feet (if applicable):

Protective casing material type:

Measure protective casing inside diameter (inches):

0 ppm  
4" steel  
DIA

Lock present?

Lock functional?

Did you replace the lock?

Is there evidence that the well is double cased? (If yes, describe below)

Well measuring point visible?

|   |   |
|---|---|
| X |   |
| X |   |
|   | X |
| X | X |

Measure depth to water from measuring point (feet):

Measure well depth from measuring point (feet):

Measure well diameter (inches):

Well casing material:

Physical condition of visible well casing:

Attach I.D. marker (if well I.D. is confirmed) and identify marker type:

Proximity to underground or overhead utilities:

13.4  
23.4

2" PVC

Good

DIA  
DIA

Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary.

Open field

Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.

field

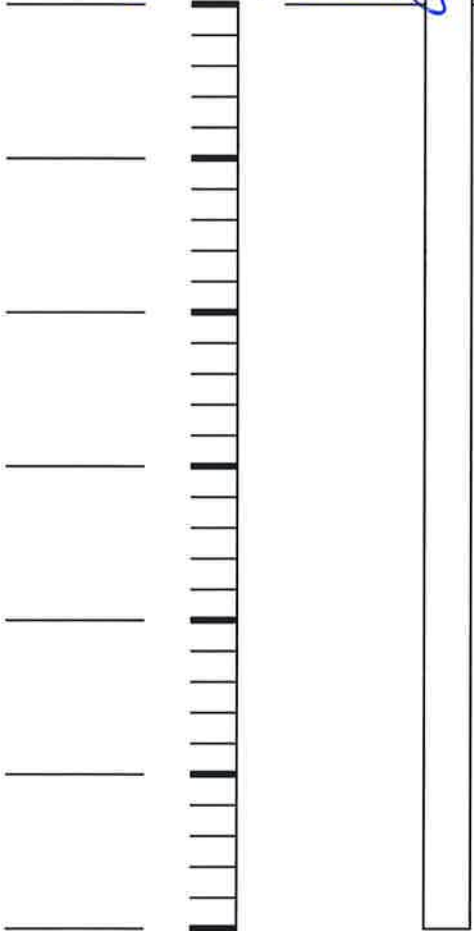
Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)

NIA

Remarks:



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| DECOMMISSIONING PROCEDURES (per NYSDEC DER-10) - continued                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279                                                                                                                                                                                                                                                                                                       | WELL I.D.: MW-9                                                                                                                                                    |
| <b>Decommissioning Data</b><br>(Fill in all that apply)                                                                                                                                                                                                                                                                                                               | <b>Well Schematic*</b>                                                                                                                                             |
| <u>Overdrilling</u><br>Interval Drilled N/A<br>Drilling Method(s)<br>Borehole Diameter (in.)<br>Temp. Casing Installed? (Y/N)<br>Depth temp. casing installed<br>Casing type/diam (in.)<br>Method of Installation                                                                                                                                                     | <div>Depth (feet)</div> <div>grouted bore hole<br/>after removing casing</div>  |
| <u>Casing Pulling</u><br>Method employed Pulled out with chain<br>Casing retrieved (feet) 23.4<br>Casing type/diam. (in.) 2" PVC                                                                                                                                                                                                                                      |                                                                                                                                                                    |
| <u>Casing Perforating</u><br>Equipment used N/A<br>Number of perforations/foot<br>Size of perforations<br>Interval perforated                                                                                                                                                                                                                                         |                                                                                                                                                                    |
| <u>Grouting</u><br>Interval grouted (fbgs) 23.4<br>No. of batches prepared 1<br>For each batch record:<br>Quantity of water used (gal.) 4<br>Quantity of cement used (lbs.) 20<br>Cement type Portland<br>Quantity of bentonite used (lbs.) 1<br>Quantity of calcium chloride used (lbs.) N/A<br>Volume of grout prepared (gal.) 10<br>Volume of grout used (gal.) 10 |                                                                                                                                                                    |
| <u>Comments</u>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |
| <p>* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.</p>                                                                                                                                                                                                                      |                                                                                                                                                                    |





## WELL ABANDONMENT/ DECOMMISSIONING LOG

| PROJECT INFORMATION                                             | WELL INFORMATION                   |
|-----------------------------------------------------------------|------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279 | WELL I.D.: MW-10                   |
| Client: Rupp Pfalzgraf LLC                                      | Stick-up (feet): 3                 |
| Project Job Number: 4383.0005P000                               | Screen Interval (fbgs): 10         |
| Date: 7/17/24 7/17/2024                                         | Drilling Company: Earth Dimensions |
| Weather: 69° cloudy Slight Breeze                               | Drill Rig Type: Dredrich           |
| Prepared by: Michael White                                      | Drilling Company Personnel: N/A    |

### DECOMMISSIONING PROCEDURES (per NYSDEC DER-10)

Well visible? (If not, provide directions below)

Well I.D. visible?

Well location matches site map? (If not, sketch actual location on back)

| YES                                 | NO                       |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Well I.D. as it appears on protective casing or well:

MW-10

Surface seal present?

Surface seal competent? (If cracked, heaved, etc., describe below)

Protective casing in good condition? (If damaged, describe below)

|                                     |                          |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Headspace reading (ppm) and instrument used:

Type of protective casing and height of stickup in feet (if applicable):

Protective casing material type:

Measure protective casing inside diameter (inches):

0 ppm  
3  
4" steel  
N/A

Lock present?

Lock functional?

Did you replace the lock?

Is there evidence that the well is double cased? (If yes, describe below)

Well measuring point visible?

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Measure depth to water from measuring point (feet):

Measure well depth from measuring point (feet):

Measure well diameter (inches):

Well casing material:

Physical condition of visible well casing:

Attach I.D. marker (if well I.D. is confirmed) and identify marker type:

Proximity to underground or overhead utilities:

8.3  
20.3

2  
PVC

Good

N/A  
N/A

Describe access to well: (Include accessibility to truck mounted rig, natural obstructions, overhead utilities, proximity to permanent structures, etc.); Add sketch of location on back, if necessary.

Open Side

Describe well setting (for example, located in a field, in a playground, on pavement, in a garden, etc.) and assess the type of restoration required.

Field

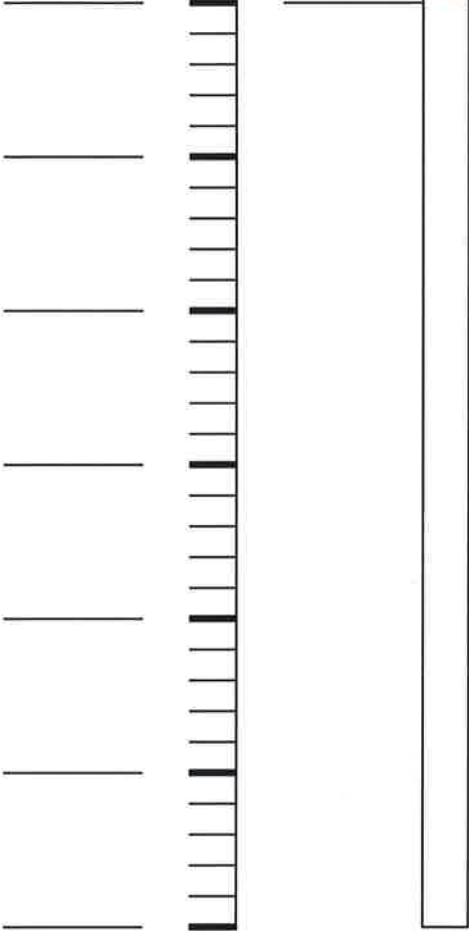
Identify any nearby potential sources of contamination, if present (e.g., gas station, salt pile, etc.)

N/A

Remarks:



## WELL ABANDONMENT/ DECOMMISSIONING LOG

| DECOMMISSIONING PROCEDURES (per NYSDEC DER-10) - continued                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT/SITE NAME: 1827 Fillmore Avenue<br>BCP Site No. C915279                                                                                                                                                                                                                                                                                                       | WELL I.D.: MW-10                                                                                                                                               |
| <b>Decommissioning Data</b><br>(Fill in all that apply)                                                                                                                                                                                                                                                                                                               | <b>Well Schematic*</b>                                                                                                                                         |
| <u>Overdrilling</u><br>Interval Drilled N/A<br>Drilling Method(s)<br>Borehole Diameter (in.)<br>Temp. Casing Installed? (Y/N)<br>Depth temp. casing installed<br>Casing type/diam (in.)<br>Method of Installation                                                                                                                                                     | <div>Depth (feet)</div> <div>grouted bore hole after removing casing</div>  |
| <u>Casing Pulling</u><br>Method employed Pulled out with chain<br>Casing retrieved (feet) 20.3<br>Casing type/diam. (in.) 2" PVC                                                                                                                                                                                                                                      |                                                                                                                                                                |
| <u>Casing Perforating</u><br>Equipment used N/A<br>Number of perforations/foot<br>Size of perforations<br>Interval perforated                                                                                                                                                                                                                                         |                                                                                                                                                                |
| <u>Grouting</u><br>Interval grouted (fbgs) 20.3<br>No. of batches prepared 2<br>For each batch record:<br>Quantity of water used (gal.) 4<br>Quantity of cement used (lbs.) 20<br>Cement type Portland<br>Quantity of bentonite used (lbs.) 2<br>Quantity of calcium chloride used (lbs.) N/A<br>Volume of grout prepared (gal.) 10<br>Volume of grout used (gal.) 10 |                                                                                                                                                                |
| <u>Comments</u>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                |
| <p>* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.</p>                                                                                                                                                                                                                      |                                                                                                                                                                |

## Summary of Green Remediation Metrics for Site Management

Site Name: \_\_\_\_\_ Site Code: \_\_\_\_\_  
 Address: \_\_\_\_\_ City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ County: \_\_\_\_\_

### Initial Report Period (Start Date of period covered by the Initial Report submittal)

Start Date: \_\_\_\_\_

### Current Reporting Period

Reporting Period From: \_\_\_\_\_ To: \_\_\_\_\_

### Contact Information

Preparer's Name: \_\_\_\_\_ Phone No.: \_\_\_\_\_  
 Preparer's Affiliation: \_\_\_\_\_

**I. Energy Usage:** Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

|                                                                    | Current Reporting Period | Total to Date |
|--------------------------------------------------------------------|--------------------------|---------------|
| Fuel Type 1 (e.g. natural gas (cf))                                |                          |               |
| Fuel Type 2 (e.g. fuel oil, propane (gals))                        |                          |               |
| Electricity (kWh)                                                  |                          |               |
| <b>Of that Electric usage, provide quantity:</b>                   |                          |               |
| Derived from renewable sources (e.g. solar, wind)                  |                          |               |
| <b>Other energy sources</b> (e.g. geothermal, solar thermal (Btu)) |                          |               |

*Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.*

**II. Solid Waste Generation:** Quantify the management of solid waste generated on-site.

|                                                   | Current Reporting Period (tons) | Total to Date (tons) |
|---------------------------------------------------|---------------------------------|----------------------|
| <b>Total waste generated on-site</b>              |                                 |                      |
| OM&M generated waste                              |                                 |                      |
| <b>Of that total amount, provide quantity:</b>    |                                 |                      |
| Transported off-site to landfills                 |                                 |                      |
| Transported off-site to other disposal facilities |                                 |                      |
| Transported off-site for recycling/reuse          |                                 |                      |
| Reused on-site                                    |                                 |                      |

*Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.*

**III. Transportation/Shipping:** Quantify the distances travelled for delivery of supplies and lab-supplied bottles, shipping of laboratory samples, and the removal of waste.

|                                                                  | <b>Current Reporting Period (miles)</b> | <b>Total to Date (miles)</b> |
|------------------------------------------------------------------|-----------------------------------------|------------------------------|
| Standby Engineer/Contractor                                      |                                         |                              |
| Laboratory Courier/Delivery Service (bottle and sample delivery) |                                         |                              |
| Waste Removal/Hauling                                            |                                         |                              |

*Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.*

**IV. Water Usage:** Quantify the volume of water used on-site from various sources.

|                                                                    | <b>Current Reporting Period (gallons)</b> | <b>Total to Date (gallons)</b> |
|--------------------------------------------------------------------|-------------------------------------------|--------------------------------|
| Total quantity of water used on-site (not including treated water) |                                           |                                |
| <b>Of that total amount, provide quantity:</b>                     |                                           |                                |
| Public potable water supply usage                                  |                                           |                                |
| Surface water usage                                                |                                           |                                |
| On-site groundwater usage                                          |                                           |                                |
| Collected or diverted storm water usage                            |                                           |                                |

*Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.*

**V. Land Use and Ecosystems:** Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

|                | <b>Current Reporting Period (acres)</b> | <b>Total to Date (acres)</b> |
|----------------|-----------------------------------------|------------------------------|
| Land disturbed |                                         |                              |
| Land restored  |                                         |                              |

*Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.*

|                                                                                                         |
|---------------------------------------------------------------------------------------------------------|
| <b>Description of green remediation programs reported above</b><br>(Attach additional sheets if needed) |
| Energy Usage:                                                                                           |
| Waste Generation:                                                                                       |
| Transportation/Shipping:                                                                                |
| Water usage:                                                                                            |
| Land Use and Ecosystems:                                                                                |
| Recommendations/Other:                                                                                  |

|                                                                                                                                                                                                                                                                                                                                                   |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>CONTRACTOR CERTIFICATION</b>                                                                                                                                                                                                                                                                                                                   |                   |
| I, _____ (Name) do hereby certify that I am<br>_____ (Title) of _____ (Contractor Name), which<br>is responsible for the work documented on this form. According to my knowledge and<br>belief, all of the information provided in this form is accurate and the site management<br>program complies with the DER-10, DER-31, and CP-49 policies. |                   |
| _____                                                                                                                                                                                                                                                                                                                                             | _____             |
| <b>Date</b>                                                                                                                                                                                                                                                                                                                                       | <b>Contractor</b> |



**NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



**Request to Import/Reuse Fill or Soil**

\*This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.\*

**SECTION 1 – SITE BACKGROUND**

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

**SECTION 2 – MATERIAL OTHER THAN SOIL**

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that passes a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

**SECTION 3 - SAMPLING**

Provide a brief description of the number and type of samples collected in the space below:

-----  
*Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.*

*If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.*

### SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

---

*Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.*

*If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.*

### SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Location where fill was obtained:

Identification of any state or local approvals as a fill source:

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:



The information provided on this form is accurate and complete.

---

Signature

---

Date

---

Print Name

---

Firm



## Field Inspection Report Post-Remedial Operation & Maintenance Plan

Property Name: \_\_\_\_\_ Project No.: \_\_\_\_\_

Client: \_\_\_\_\_

Property Address: \_\_\_\_\_

Property ID: (Tax Assessment Map) \_\_\_\_\_ Section: \_\_\_\_\_ Block: \_\_\_\_\_ Lot(s): \_\_\_\_\_

Preparer's \_\_\_\_\_ Date/Time: \_\_\_\_\_

### CERTIFICATION

The results of this inspection were discussed with the Site Manager. Any corrective actions required have been identified and noted in this report, and a supplemental Corrective Action Form has been completed. Proper implementation of these corrective actions have been discussed with the Site Manager, agreed upon, and scheduled.

Preparer / Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Next Scheduled Inspection Date: \_\_\_\_\_

### Property Access

- |                                                      |                              |                             |                              |
|------------------------------------------------------|------------------------------|-----------------------------|------------------------------|
| 1. Is the access road in need of repair?             | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |
| 2. Sufficient signage posted (No Trespassing)?       | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |
| 3. Has there been any noted or reported trespassing? | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |

Please note any irregularities/ changes in site access and security: \_\_\_\_\_

### Final Surface Cover / Vegetation

The integrity of the vegetative soil cover or other surface coverage (e.g., asphalt, concrete) over the entire Site must be maintained. The following documents the condition of the above.

- |                                                   |                              |                             |                              |
|---------------------------------------------------|------------------------------|-----------------------------|------------------------------|
| 1. Final Cover is in Place and in good condition? | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |
|---------------------------------------------------|------------------------------|-----------------------------|------------------------------|

Cover consists of (mainly): \_\_\_\_\_

- |                                                   |                              |                             |                              |
|---------------------------------------------------|------------------------------|-----------------------------|------------------------------|
| 2. Evidence of erosion?                           | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |
| 3. Cracks visible in pavement?                    | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |
| 4. Evidence of distressed vegetation/turf?        | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |
| 5. Evidence of unintended traffic and/or rutting? | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |
| 6. Evidence of uneven settlement and/or ponding?  | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> N/A |



## Field Inspection Report Post-Remedial Operation & Maintenance Plan

---

---

### Final Surface Cover / Vegetation (continued)

7. Damage to any surface coverage? ☐ yes ☐ no ☐ N/A

If yes to any question above, please provide more information below.

---

---

---

---

---

---

### Property Use Changes / Site Development

☐ ☐ ☒

Has the property usage changed, or site been redeveloped since the last inspection?

☐ yes ☐ no ☐ N/A

If yes, please list with date:

---

---

---

---

---

---

### New Information

Has any new information been brought to the owner/engineer's attention regarding any and/or all engineering and institutional controls and their operation and effectiveness?

☐ yes ☐ no ☐ N/A

Comments:

---

---

---

---

### This space for Notes and Comments

---

---

---

---

---

---

### Please include the following Attachments:

1. Site Sketch
  2. Photographs
- 
-

## **APPENDIX G**

### **REMEDIAL SYSTEM OPTIMIZATION TABLE OF CONTENTS**

# REMEDIAL SYSTEM OPTIMIZATION

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#### 2.5 DESCRIPTION OF EXISTING REMEDY

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##### 4.1.2 Sampling

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##### 4.2.1 Maintenance Improvements

##### 4.2.2 Monitoring Improvements

##### 4.2.3 Process Modifications

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##### 4.3.4 Maintenance and Repairs

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## APPENDIX H

1827 FILLMORE AVENUE  
BCP SITE NO. C915279  
BUFFALO, NEW YORK

### SITE MANAGEMENT PLAN

#### SITE CONTACTS

| Name                                                                                   | Contact Information                              | Required Notification**   |
|----------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------|
| 1827 Fillmore Avenue LLC<br>Jonathan Swiatkowski, Manager<br>Site Owner/Remedial Party | (719)898-6291<br>jswiatkows@ecmc.edu             | All Notifications         |
| Lori E. Riker, P.E.<br>Qualified Environmental Professional                            | (716) 856-0599<br>lriker@rouxinc.com             | All Notifications         |
| Megan Kuczka<br>NYSDEC Project Manager                                                 | (716) 851-7220<br>Megan.Kuczka@dec.ny.gov        | All Notifications         |
| Andrea Caprio, P.E.<br>Hazardous Waste Remediation Engineer                            | (716) 851-7220<br>Andrea.Caprio@dec.ny.gov       | All Notifications         |
| Kelly Lewandowski<br>NYSDEC Site Control                                               | (518) 402-9543<br>Kelly.Lewandowski@dec.ny.gov   | Notifications 1 and 8     |
| Steven Berninger<br>NYSDOH Project Manager                                             | (518) 402-7860<br>Steven.Berninger@health.ny.gov | Notifications 4, 6, and 7 |

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

\*\* Note: Numbers in this column reference the numbered bullets in the notification list in this section.