

PERIODIC REVIEW REPORT (PRR)

*295 Maryland Street Site
BCP Site No. C915242
Buffalo, New York*

May 2019

B0222-019-001

Prepared For:

295 Maryland, LLC

Prepared By:



PERIODIC REVIEW REPORT

**295 MARYLAND STREET SITE
(BCP SITE No. C915242)**

BUFFALO, NEW YORK

May 2019

B0222-019-001

Prepared for:

295 Maryland, LLC

Prepared By:



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

PERIODIC REVIEW REPORT

295 Maryland Street Site (C915242)

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1.0 INTRODUCTION

Benchmark Environmental Engineering and Science, PLLC (Benchmark) has prepared this Periodic Review Report (PRR) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C915242, located at 295 Maryland Street, in the City of Buffalo, Erie County, New York (see Figure 1).

This PRR and the associated Institutional and Engineering Control (IC/EC) Certification Forms (see Appendix A) have been prepared for the April 16, 2018 to April 16, 2019 reporting period in accordance with the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (Ref. 1).

1.1 Site Background

295 Maryland, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in July 2011 to investigate and remediate a 1.5-acre property located in the City of Buffalo, Erie County, New York. BCP site activities were performed in accordance with Brownfield Cleanup Agreement (BCA) Index#C915268-05-11, Site #C915242, which was executed on July 14, 2011. The property was remediated to 6NYCRR Part 375 Restricted-Residential Use (Track 4) and will be used as a residential apartment complex.

The Site is located in a residential area on the west side of the City of Buffalo, Erie County, New York and is identified as Erie County Tax Map S.B.L. No.'s, 111.21-8-3.111 and 111.21-8-1.1. The approximately 1.5-acre Site is bounded by Maryland Street to the northwest, Virginia Street to the southeast, West Tupper Street to the northeast, and West Avenue to the southwest (see Figures 1 and 2).

As discussed in the Final Engineering Report (FER – Ref 3) The 129 West Avenue portion of the Site was temporarily covered in anticipation of a new building. Construction began in early 2019, with the 129 West Avenue parcel currently being redeveloped as a four-story apartment building deemed “Campus West” (see Figure 3). Site improvement activities completed during this PRR reporting period are described more fully in Section 4.2 in support of the Campus West building development activities.

1.2 Remedial History

The Site historically operated as an industrial/manufacturing facility for commercial billboards since the 1920s; most recently owned by Lamar Advertising prior to procurement by the current owner. Previous Site use activities included vehicle maintenance, use of paints, adhesives, solvents, and other flammables. The advertising firm relocated to another location within the City in December 2000; the associated commercial buildings and facilities on 295 Maryland Street as well as former residences at 121 West Avenue have been demolished. Currently, the Site is developed with a newly constructed three-story apartment building completed in 2017.

A 2001 Phase II investigation, 2010 soil boring program, 2010-2011 groundwater investigation, and 2013 pre-remedial investigation were completed on the Site to characterize the nature and extent of contamination at the site. The results of the previous investigations are described in detail in the Alternatives Analysis Report/ Remedial Action Work Plan (AAR/RAWP) prepared by Benchmark dated December 2015. Generally, the previous investigations determined the following contaminants of concern (COCs) in Site soil and/or groundwater: 1 benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, arsenic, lead, mercury, chromium, naphthalene, beta-bhc, alpha-bhc, benzo(a)anthracene, arsenic, dieldrin, dibenz(a,h)anthracene, benzene, toluene, ethylbenzene, and xylenes (BTEX).

The Alternatives Analysis Report/ Remedial Action Work Plan (AAR/RAWP) recommended remediation of six areas of concern (AOCs) (characterized by more pronounced levels of COCs), with cover placement recommended as the final remedial measure under a Track 4 Cleanup approach. Additional requirements included development and adherence to a Site Management Plan (SMP) and filing of an Environmental Easement to restrict use of the property to restricted residential, commercial, and industrial applications and to place other limitations on post-redevelopment activities.

1.3 Compliance

At the time of the Site inspection, the Site was fully compliant with the NYSDEC-approved SMP dated November 2015.

The 129 West Avenue parcel portion of the Site is currently undergoing redevelopment of a new four-story apartment building (Campus West Building). Redevelopment activities performed during this 2019 PRR reporting period included excavation and removal of the existing temporary cover system material and underlying fill and native soils in the area of the Campus West Building foundation and import of clean stone backfill for building construction activities. Benchmark provided oversight for ground-intrusive activities for the Campus West Building in conformance with the NYSDEC approved SMP Excavation Work Plan (EWP) requirements. All redevelopment activities were fully compliant with the NYSDEC approved SMP at the time of the Site inspection.

1.4 Recommendations

Based on the results of the annual inspection and certification, no modifications are recommended at this time under the assumption that the Campus West Building on the southwest corner of the property along Maryland Street and West Avenue will continue to be constructed in accordance with the NYSDEC approved SMP and EWP.

2.0 SITE OVERVIEW

An overview of the remediation and redevelopment activities undertaken on the Site covered by this PRR are presented below. The remediated property is subject to a comprehensive, site-wide SMP which identifies requirements for monitoring and maintenance of engineering and institutional controls and procedures for post-remedial excavation and related activities.

The 295 Maryland Street Site was redeveloped under the BCP as an apartment building. The following are the components of the selected remedy:

- **Excavation:** Excavation and off-Site disposal of approximately 3410 tons of soil/fill was completed at depths ranging from 0.5 – 8 feet below ground surface (fbgs). Specifically, excavation focused on six (6) discrete areas which were identified based upon presence of elevated concentrations of metal COPCs, polycyclic aromatic hydrocarbons (PAHs), or grossly contaminated material as per NYCRR Part 375 1.2(u). Excavations were completed until grossly impacted soils were removed and site-specific action levels (SSALs) for metals and PAHs were achieved or until the Site boundary was reached. For metal COPCs, commercial SCOs per 6 NYCRR Part 375 were established as the SSALs. For PAHs, total (cumulative) values of 100 mg/kg or lower were established as the SSAL. Following excavation the Site was re-graded to accommodate installation of a cover system as described below. Where needed, clean backfill soil or aggregate meeting the requirements of 6 NYCRR Part 375-6.7(d) was brought in to provide support for pavement, building slabs/foundations, etc. and establish the design subgrade elevations at the Site.
- **Cover System:** Because the excavation was focused toward specific areas within the Site and did not include all areas of the property where constituents in excess of Restricted-Residential SCOs are present, a Site-wide cover system was required to allow for restricted-residential use of the property. The cover consists either of the structures such as buildings, pavement, sidewalks comprising the Site development or a soil or stone cover. Where the soil or stone cover was placed it was a minimum of two feet thick, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil/stone cover was placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetation layer in areas slated to remain as landscape.

The remedial program was successful in achieving the remedial objectives for the Site. An Environmental Easement restricting end use of the Site and enforcing adherence to the SMP was filed in November 2015 and approved in December 2015. The Final

Engineering Report (FER) was approved in January 2017. Concurrently, a Certificate of Completion (COC) was issued for the Site by the NYSDEC in January 2017.

3.0 REMEDY PERFORMANCE

A post-remedial site inspection involving a walk-over of the Site covered by this PRR was performed on May 15, 2019 to visually observe and document the use of the Site for restricted residential, commercial, and/or industrial use, confirm absence of site groundwater use, inspect the cover system integrity, and verify conformance with other requirements under the SMP. The site inspection completed during the current reporting period indicates that the controls are in-place and functioning as intended in accordance with the SMP.

As indicated above, the building construction activities contemplated in the FER on 129 West Avenue are currently underway. These activities necessitated removal of the majority of the temporary cover system on 129 West Avenue as well as removal and disposal of all underlying fill material. Benchmark is providing field oversight during ground-intrusive construction activities including community air monitoring, and assistance in coordinating and documenting soil/fill disposal at an approved landfill and clean stone import.

The completed IC/EC Certification forms and site photographs are included in Appendices A and B, respectively.

4.0 SITE MANAGEMENT PLAN

A site-wide SMP was prepared for the Site and approved by the Department in November 2015. Key components of the SMP are described below.

4.1 Institutional and Engineering Control (IC/EC) Plan

Since remaining contaminated soil and groundwater exists beneath the site, Institutional Controls and Engineering Controls (IC/ECs) are required to protect human health and the environment. The Engineering and Institutional Control Plan describes the procedures for the implementation and management of all IC/ECs at the site. At the time of the site inspection, the Site covered by this PRR was fully compliant with all engineering and institutional control requirements.

4.1.1 Institutional Controls (ICs)

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

- The property may only be used for restricted-residential, commercial, and industrial use provided that the long-term Engineering and Institutional Controls included in the SMP are employed;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any new buildings developed on the Site with a provision for implementing recommended actions to address exposures related to soil vapor intrusion, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the site are prohibited.

4.1.2 Engineering Controls (ECs)

Engineering controls at the Site include:

- Cover System – Exposure to remaining contamination in soil/fill at the site is prevented by a final cover system placed over the site. This cover system is comprised of a minimum of 24 inches of clean soil (with demarcation layer), asphalt pavement, concrete sidewalks, and concrete building slabs. The cover system must be maintained in compliance with the SMP.

4.2 Excavation Work Plan

An Excavation Work Plan (EWP) was included in the NYSDEC-approved SMP for the Site. The Excavation Work Plan provides guidelines for the management of soil and fill material during any future intrusive activities. Any intrusive work that will penetrate the cover or cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system, must be performed in compliance with the EWP.

4.2.1 Site Improvement Activities

During the current reporting period (April 16, 2018 to April 16, 2019), Site redevelopment activities occurred that involved excavation and removal of the temporary cover and underlying soil/fill for the Campus West Building foundation on the 129 West

Avenue parcel portion of the Site, and import of NYSDEC approved clean backfill for construction activities (see Figure 2). Intrusive activities were observed by Benchmark personnel to verify conformance with the SMP and the EWP.

4.2.2 Soil/Fill Removal

Between April 1 and April 15, 2019, approximately 4,390 tons of non-hazardous soil/fill was excavated from the area of the Campus West Building foundation, direct loaded, and transported off-Site by Pariso Logistics (9A-826) for disposal at the Town of Tonawanda Landfill, located on East Park Road, Tonawanda NY (EnSol, Inc.) in accordance with the SMP for disposal. Disposal documents are provided in Appendix C.

On April 16, 2019 approximately 1,386 tons of clean native material from the 129 West Avenue portion of the Site was excavated, direct loaded, and transported by Holler Trucking to 1827 Fillmore Avenue BCP Site (C915279) to be used as part of the cover system or as remedial excavation backfill. DEC correspondence and approvals related to the reuse of native materials are included in Appendix C.

4.2.3 Imported Materials

Between April 1 and April 16, 2019, approximately 305 tons of DEC-approved virgin source 2-inch crusher run stone was imported to the Site from Lafarge - Lockport Quarry, located in Lockport, New York and used for building construction activities. This is the same source used during pre-COC redevelopment. At the time, NYSDEC was provided specifications demonstrating the material was exempt from analytical testing due to minimal fines content in accordance with DER-10 Section 5.4(e)(5)(i). Import material documents including tonnage and stone ticket summaries, and source scale receipts are included in Appendix D.

4.2.4 Community Air Monitoring Program (CAMP) Results

Community air monitoring was performed at a downwind location during all activities involving disturbance of soil/fill material at the Site. A Community Air Monitoring Program (CAMP) was included with the Health and Safety Plan (HASP) in the NYSDEC approved SMP. Per the CAMP, action limits of 100 ug/m³ for respirable particulates and 5

parts per million (ppm) were employed. No exceedances of the 15-minute time weighted average (TWA) thresholds were recorded during intrusive activities. Copies of CAMP data sheet are provided in Appendix E.

4.2.5 Reporting

Benchmark personnel was on-Site during all intrusive redevelopment activities. All daily reports are included in Appendix F and a photolog of building construction activities is included in Appendix B.

4.3 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines requirements for certifying and attesting that the institutional controls and engineering controls employed on the Site are unchanged from the original design and/or previous certification. The Annual Certification includes a Site Inspection and completion of the NYSDEC's IC/EC Certification Form. The Site inspection is intended to verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

Inspection of the Site was conducted by Thomas Forbes, P.E. of Benchmark on May 15, 2019. Mr. Forbes is a licensed and registered NY State Professional Engineer and meets the requirements of a Qualified Environmental Professional (QEP) per 6NYCRR Part 375.12. At the time of the inspection, the Site was being used as a three-story apartment building (Allentown Apartments), with surface parking, concrete sidewalks, bioretention

pond, landscaped areas. The disturbances to the cover system in the Campus West Building redevelopment area are conformant with the Excavation Work Plan in that:

- All of the temporary cover and underlying fill materials were removed to the native clay soils and properly disposed offsite.
- Native soils have been documented through both the RI sampling program and more recent reuse analyses to fall well below restricted residential SCOs.
- The disturbed area will be covered by a new building foundation and floor slab.

Benchmark has observed all intrusive activities that have occurred during this PRR reporting period to verify compliance with the NYSDEC approved SMP. No observable indication of intrusive activities was noted during the Site inspection beyond those described in Section 4.2. The existing apartment building utilizes the local municipal water supply, and no observable use of groundwater was noted during the Site inspection.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photographic log of the Site inspections during intrusive work as well as the May 2019 Site inspection are included in Appendix B.

4.4 Operation, Monitoring and Maintenance Plan

The remedy for the Site does not rely on any mechanical systems such as sub-slab depressurization or soil vapor extraction, to protect public health and the environment. Therefore, an Operation and Maintenance Plan is not required.

4.5 Other Requirements

Benchmark personnel will continue to provide field construction oversight including soil and fill management, community air monitoring for intrusive activities, and field documentation for the duration of the redevelopment activities in accordance with the EWP.

Benchmark personnel will be present during construction of the BCP cover elements to verify that hardscape cover elements, subbase, and cover material thicknesses are constructed in general accordance with the municipally-approved civil design and that soil cover areas are constructed in accordance with Part 375 and DER-10 requirements. The planned cover system layout for the redevelopment area is provided on Figure 3.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions for this reporting period and recommendations for the next reporting period are as follows:

- At the time of the Site inspection, the Site was in compliance with the SMP. A portion of the Site is currently undergoing redevelopment with intrusive activities undergoing monitoring by a QEP in conformance with the approved SMP and EWP.
- No modifications are recommended at this time under the assumption that the Campus West Building on the southwest corner of the property along Maryland Street and West Avenue will continue to be constructed in accordance with the NYSDEC approved SMP and EWP.

6.0 DECLARATION/LIMITATION

Benchmark Environmental Engineering and Science, PLLC personnel conducted the annual site inspection for BCP Site No. C915242, located in Buffalo, New York, according to generally accepted practices. This report complied with the scope of work provided to 295 Maryland, LLC by Benchmark Environmental Engineering & Science, PLLC.

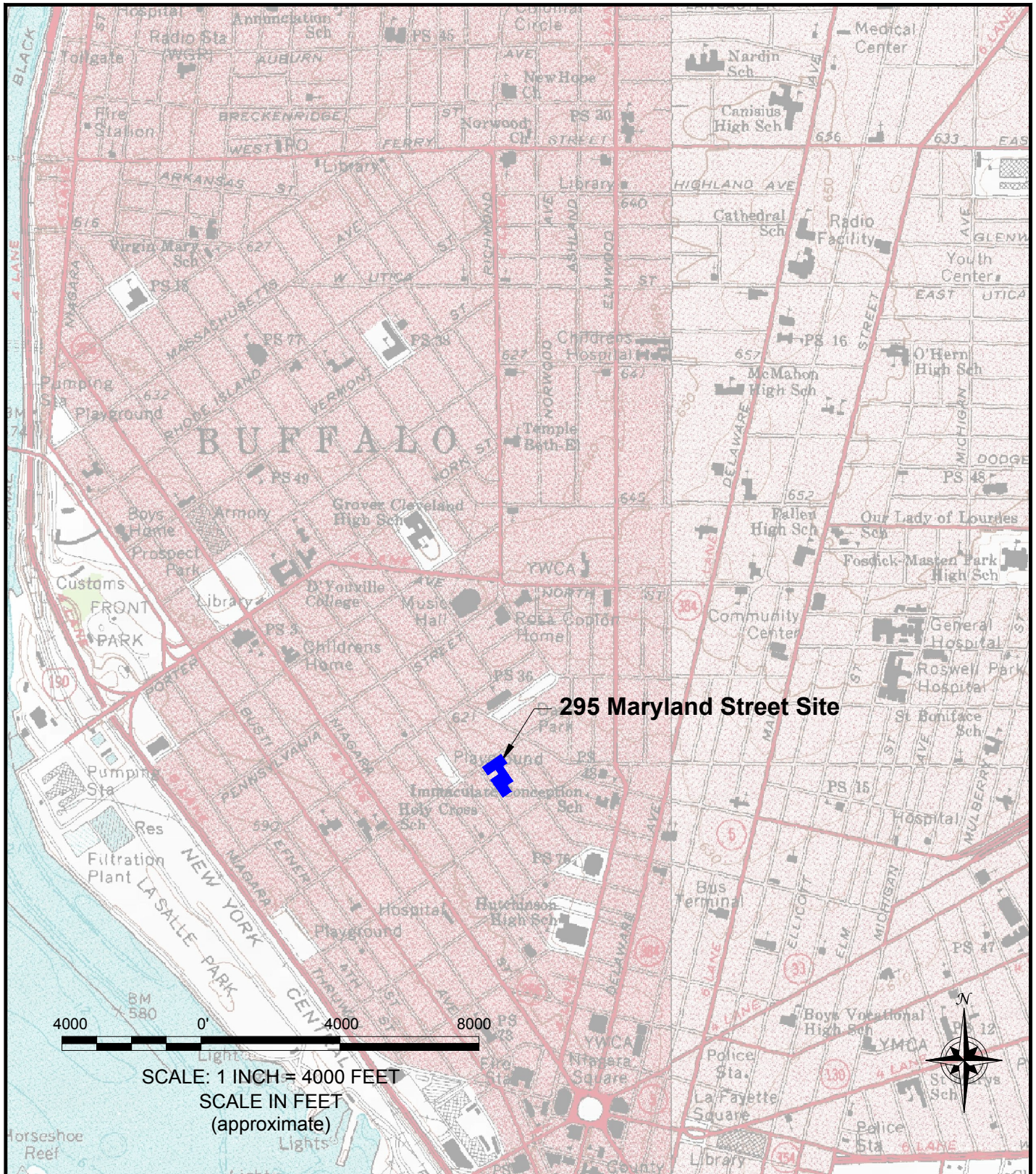
This report has been prepared for the exclusive use of 295 Maryland, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of 295 Maryland, LLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering and Science, PLLC.

7.0 REFERENCES

1. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation*. May 2010.
2. *Site Management Plan, 295 Maryland Street Site, Buffalo, NY (NYSDEC BCP Site #C915242)*, dated November 2015, prepared by Benchmark Environmental Engineering and Science, PLLC.
3. *Final Engineering Report, 295 Maryland Street Site, Buffalo, NY (NYSDEC BCP Site #C915242)*, dated November 2016, prepared by Benchmark Environmental Engineering and Science, PLLC.

FIGURES

FIGURE 1



F:\CAD\Benchmark\295 Maryland\PR\2019\Figure 1 - Site Location and Vicinity Map.dwg



2558 HAMBURG TURNPIKE
 SUITE 300
 BUFFALO, NY 14218
 (716) 856-0599

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

295 MARYLAND STREET SITE
 BUFFALO, NEW YORK

PREPARED FOR
 295 MARYLAND, LLC









PROJECT NO.: 0222-019-001

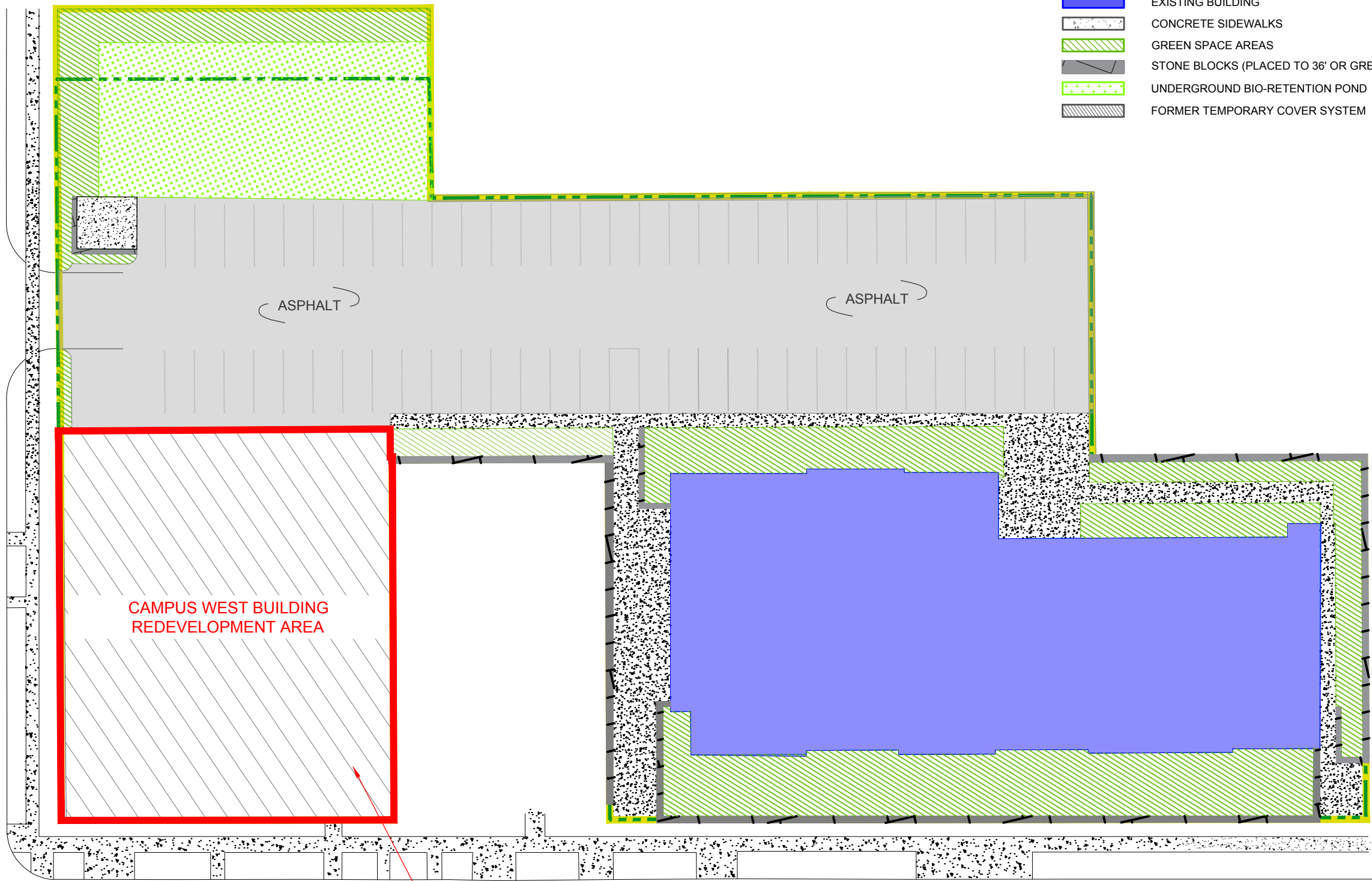
DATE: MAY 2019

DRAFTED BY: CCB

MARYLAND STREET

LEGEND:

-  REDEVELOPMENT AREA BOUNDARY
-  BCP SITE BOUNDARY
-  EXISTING BUILDING
-  CONCRETE SIDEWALKS
-  GREEN SPACE AREAS
-  STONE BLOCKS (PLACED TO 36' OR GREATER HEIGHT)
-  UNDERGROUND BIO-RETENTION POND
-  FORMER TEMPORARY COVER SYSTEM



SCALE: 1 INCH = 35 FEET
 SCALE IN FEET
 (approximate)

EXCAVATION AND OFF-SITE DISPOSAL/REUSE OF SOIL/FILL FOR CAMPUS WEST BUILDING CONSTRUCTION. REDEVELOPMENT ACTIVITIES BEGAN APRIL 1, 2019.



WEST AVENUE

**SITE PLAN & SITE IMPROVEMENT
 ACTIVITY LOCATION MAP**

PERIODIC REVIEW REPORT
 295 MARYLAND STREET SITE
 BUFFALO, NEW YORK
 PREPARED FOR
 295 MARYLAND, LLC



JOB NO.: B0222-018-100

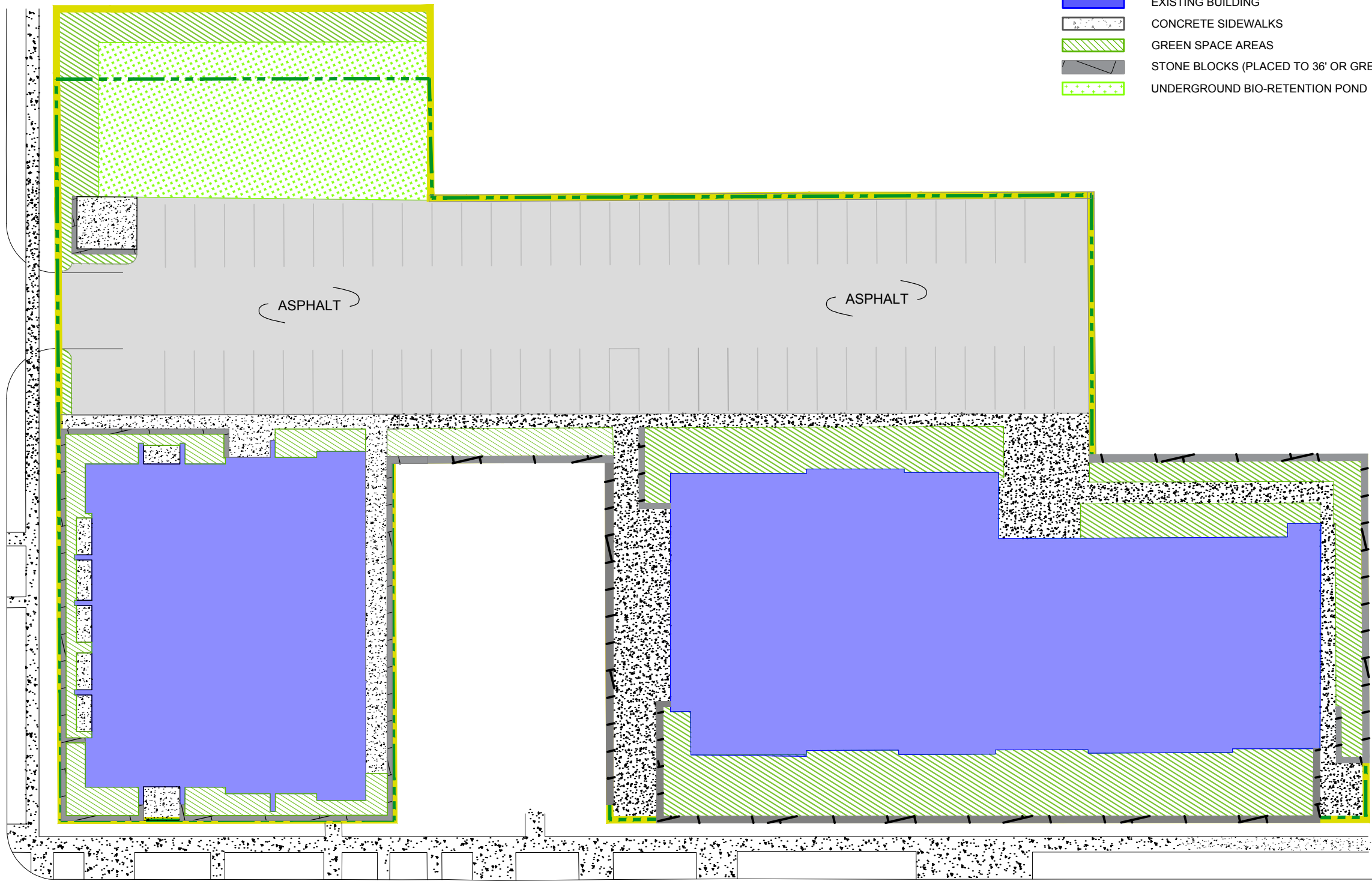
FIGURE 2

DISCLAIMER: PROPERTY OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC.



SCALE: 1 INCH = 35 FEET
SCALE IN FEET
(approximate)

MARYLAND STREET



LEGEND:

- REDEVELOPMENT AREA BOUNDARY
- BCP SITE BOUNDARY
- EXISTING BUILDING
- CONCRETE SIDEWALKS
- GREEN SPACE AREAS
- STONE BLOCKS (PLACED TO 36' OR GREATER HEIGHT)
- UNDERGROUND BIO-RETENTION POND

ASPHALT

ASPHALT

WEST AVENUE



PLANNED SITE-WIDE COVER SYSTEM LAYOUT

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295 MARYLAND STREET SITE
BUFFALO, NEW YORK
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295 MARYLAND, LLC



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FIGURE 3

DISCLAIMER: PROPERTY OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC.

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



	Site Details	Box 1
Site No. C915242		
Site Name 295 Maryland Street		
Site Address: 295 MARYLAND STREET Zip Code: 14201		
City/Town: Buffalo		
County: Erie		
Site Acreage: 1.480		
Reporting Period: April 16, 2018 to April 16, 2019		
		YES NO
1. Is the information above correct?		<input checked="" type="checkbox"/> <input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input type="checkbox"/> <input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/> <input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input type="checkbox"/> <input checked="" type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		<input checked="" type="checkbox"/> <input type="checkbox"/>
Box 2		
		YES NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial		<input checked="" type="checkbox"/> <input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?		<input checked="" type="checkbox"/> <input type="checkbox"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.		
A Corrective Measures Work Plan must be submitted along with this form to address these issues.		
_____ Signature of Owner, Remedial Party or Designated Representative		_____ Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915242

Box 3

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
111.21-8-1.1	295 Maryland, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan Monitoring Plan IC/EC Plan
111.21-8-3.111	295 Maryland, LLC	Monitoring Plan Soil Management Plan Site Management Plan Ground Water Use Restriction Ground Water Use Restriction Soil Management Plan Site Management Plan Landuse Restriction IC/EC Plan

Box 4

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
111.21-8-1.1	Cover System
111.21-8-3.111	Cover System Cover System

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO



2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES NO



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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915242

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Anthony P. LoRusso at 366 Elmwood Avenue Buffalo NY 14222,
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

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

Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Thomas H. Forbes, P.E. at 2558 Hamburg Tnpk Buffalo NY 14218
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner of Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



Stamp
(Required for PE)

5-16-19
Date

APPENDIX B

PHOTOGRAPHIC LOG



Client Name: 295 Maryland, LLC		Site Location: 295 Maryland Street Site (C915242)	Project No.: B0222-019-001
Photo No. 1	Date 12/11/19		
Direction Photo Taken: West			
Description: Temporary cover system on Campus West, LLC redevelopment area, prior to construction activities.			

Photo No. 2	Date 04/12/19		
Direction Photo Taken: North			
Description: Site Improvement Activities: Excavation and removal of soil/fill and native material in the Campus West Building redevelopment area.			


Client Name: 295 Maryland, LLC		Site Location: 295 Maryland Street Site (C915242)	Project No.: B0222-019-001
Photo No. 3	Date 04/16/19		
Direction Photo Taken: Northwest			
Description: Site Improvement Activities: Excavation and removal activities for Campus West Building foundation.			

Photo No. 4	Date 04/23/19	
Direction Photo Taken: West/Northwest		
Description: Site Improvement Activities: Campus West Building foundation preparation.		




Client Name: 295 Maryland, LLC		Site Location: 295 Maryland Street Site (C915242)	Project No.: B0222-019-001
Photo No. 5	Date 05/15/19		
Direction Photo Taken: Southeast			
Description: Annual Site Inspection: Asphalt paved parking lot.			

Photo No. 6	Date 05/15/19	
Direction Photo Taken: East		
Description: Annual Site Inspection: Bioretention area.		

Client Name: 295 Maryland, LLC		Site Location: 295 Maryland Street Site (C915242)	Project No.: B0222-019-001
Photo No. 7	Date 05/15/19		
Direction Photo Taken: Southwest			
Description: Annual Site Inspection: Eastern side of the existing building.			

Photo No. 8	Date 05/15/19	
Direction Photo Taken: East/Northeast		
Description: Annual Site Inspection: North side of the existing building.		

Client Name: 295 Maryland, LLC		Site Location: 295 Maryland Street Site (C915242)	Project No.: B0222-019-001
Photo No. 9	Date 05/15/19		
Direction Photo Taken: Southeast			
Description: Annual Site Inspection: Western side of the existing building.			

Photo No. 10	Date 05/15/19	
Direction Photo Taken: East		
Description: Annual Site Inspection: Asphalt paved parking lot and carport.		


Client Name: 295 Maryland, LLC		Site Location: 295 Maryland Street Site (C915242)	Project No.: B0222-019-001
Photo No. 11	Date 05/15/19		
Direction Photo Taken: East			
Description: Annual Site Inspection: Campus West Building construction activities.			

Photo No. 12	Date 05/15/19	
Direction Photo Taken: Southeast		
Description: Annual Site Inspection: Campus West Building construction activities.		

APPENDIX C

DISPOSAL DOCUMENTATION

EnSol, Inc
661 Main Street
Niagara Falls, New York 14301
Phone (716)285-3920 Fax (716)285-3928

Disposal Location:
Tonawanda Landfill Closure

Project No: _19-3461-11T_

GENERATOR WASTE PROFILE SHEET
NON-HAZARDOUS CONTAMINATED SOIL

GENERATOR INFORMATION:

Generator Name: __ Campus West, LLC
Generator Street Address: __ 366 Elmwood Avenue City: __ Buffalo __
State: __ New York __ Zip Code: __ 14222 __ Phone: __ 716-884-3800
Generator Contact: __ Richard Gonzalez/Anthony LoRusso __

SITE INFORMATION:

Site Name: __ Campus West Apartments at 129 West __
Site Street Address: __ 129 West Avenue City: Buffalo __
State: __ New York __ Zip Code: __ 14201 __ Phone: __ 716-225-5332
Site Contact: __ Angela Jackson _ NYSDEC Spill No.: __ N/A __

BILLING INFORMATION:

Customer Name: __ Holler Excavating & Grading Inc. _____
Customer Billing Address: __ 590 Cayuga Creek Road, Cheektowaga, NY 14227 __
Customer Contact: __ Don Strasser _____
Phone: __ 716-583-0209 _____ Email: __ dstrasser@hollerexcavating.com _____

WASTE STREAM INFORMATION:

Name of Waste: __ Non Hazardous Soil (Urban Fill) _____
Process Generating Waste: __ from building construction and utility work _____

Estimated Annual Volume: Cubic Yards: __ Tons: __ Additional 3000 _____

Characteristic Components % By Weight
1. __ Non Hazardous Soil _____ 100% _____
2. _____

Color: __ Brn/Blk __ Odor: __ None __ pH Range: __ 7.9-8.0 __ Flash Point: __ >70C __
% Solids: __ 100 __ Physical State: __ Liquid __ Slurry __ Sludge __ X Solid
Is TCLP analysis attached: __ X Yes __ No Material is Non Hazardous: __ X Yes __ No

Name of Waste Transporter: __ Pariso Logistics _____
Address: __ 3649 River Road Tonawanda NY _____ Phone: __ 716-875-6168 _____
NYSDEC Permit No.: __ 9A 826 _____

GENERATOR'S CERTIFICATION, I hereby affirm under penalty of perjury that the information and attachments provided on this form are true to the best of my knowledge and belief, and that the material represented by the above data is non-hazardous according to all state and federal requirements.

Representative and Title of Waste Generator

X Thomas H Forbes / Agent for Generator Para Fees (as Agent) 4-5-19
PRINT WASTE GENERATOR NAME/TITLE SIGNATURE Date

Virgin Fuel Oil/Gasoline Spill Certification

X _____
PRINT WASTE GENERATOR NAME/TITLE SIGNATURE Date

EnSol Inc. Approval Agent

X _____
PRINT AGENT NAME AND TITLE SIGNATURE Date

WASTE MATERIAL CRITERIA SHEET
NON HAZARDOUS CONTAMINATED SOIL

This sheet is to be used as a cover page for analytical data

SITE INFORMATION:

Site Name: ___ Campus West Apartments at 129 West
Site Street Address: ___ 129 West Avenue_ City: _Buffalo
State: _New York_ Zip Code: _14201_ Phone: ___716-225-5332___
Site Contact: ___ Angela Jackson ___ NYSDEC Spill No.: ___ N/A _____

WASTE TYPE: Non Hazardous Contaminated Soil

Soil Volume (see Testing Requirements below)

Total Estimated Volume: ___ Additional 3000 ___ tons

Is soil analysis information provided for the following?

Ignitability

YES Found on page _ 66,67,68_ NO Explain: _____

pH

YES Found on page _ 69,70,71_ NO Explain: _____

TCLP - Benzene

YES Found on page ___ 10,11,12_ NO Explain: _____

TCLP - Lead

YES Found on page ___ 54,55,56_ NO Explain: _____

TPH

YES Found on page _ 24,25,26_ NO Explain: _

Sample Type

Composite Sample

Grab Sample (5 grab samples = 1 composite sample)

Testing Requirements:

A Chain of Custody must accompany all analytical data. There should be a minimum of 1 composite sample for 0 – 500 tons, 2 composite samples for 500 – 1000 tons and 1 composite sample for each additional 1000 tons.

WASTE MATERIAL CRITERIA SHEET
SPECIAL WASTE

This sheet is to be used as a cover page for analytical data

SITE INFORMATION:

Site Name: Campus West Apartments at 129 West
Site Street Address: 129 West Avenue City: Buffalo
State: New York Zip Code: 14201 Phone: 716-225-5332
Site Contact: Angela Jackson NYSDEC Spill No.: N/A

Source of Waste Contamination: from building construction and utility work

Is the Site a hazardous waste site cleanup, brown field site, historical industrial or commercial property, or some other type of cleanup project? YES NO **X**

(If yes, please include information from the project sponsor, contractor and/or the environmental consultant.)

Soil Volume (see Testing Requirements below)

Total Estimated Volume: Additional 3000 tons

Is soil analysis information provided for the following?

TCLP - Volatiles

YES **X** Found on page 10,11,12 NO Explain:

TCLP – Semi-volatiles

YES **X** Found on page 18,19,20 NO Explain:

TCLP – Metals

YES **X** Found on page 54,55,56 NO Explain:

TCLP – PCB's

YES **X** Found on page 30,31,32 NO Explain:

TCLP – Herbicides and Pesticides

YES **X** Found on page 36-44 NO Explain:

Reactive Cyanide and Sulfide

YES **X** Found on page 69,70,71 NO Explain:

MSDS Information

YES Found on page NO **X** Explain: N/A

Sample Type

X Composite Sample

Grab Sample (5 grab samples = 1 composite sample)

Testing Requirements:

A Chain of Custody must accompany all analytical data. There should be a minimum of 1 composite sample for 0 – 500 tons, 2 composite samples for 500 – 1000 tons and 1 composite sample for each additional 1000 tons.

EnSol, Inc.
Environmental Solutions
 Professional Engineering · Business Consulting

661 Main Street
 Niagara Falls, NY 14301
 Ph (716) 285-3920 · Fx (716) 285-3928
 E-Mail jbattaglia@ensolinc.com

Manifest Invoicing

Page 1 of 15

Project No: 19-3461-11T

Customer Name:
 Holler Excavating & Grading Inc.

Generator Name:
 Campus West, LLC

Location Name :
 Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road
City: Cheektowaga
State New York **Zip:** 14227

Address: 366 Elmwood Av
City: Buffalo
State NY **Zip:** 14222

Address: 129 West Avenue
City: Buffalo
State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
451478	4/1/2019		132194	33	15.62	0	15.62	0	
451479	4/1/2019		132242	40	19.85	0	19.85	0	
451480	4/1/2019		132228	37	23.30	0	23.30	0	
451481	4/1/2019		132233	1	23.48	0	23.48	0	
451482	4/1/2019		132227	97	21.35	0	21.35	0	
451483	4/1/2019		132234	13	22.38	0	22.38	0	
451484	4/1/2019		132226	33	24.81	0	24.81	0	
451485	4/1/2019		132238	229	22.13	0	22.13	0	
451486	4/1/2019		132240	98	20.21	0	20.21	0	
451487	4/1/2019		132239	33	22.25	0	22.25	0	
451488	4/1/2019		132241	37	23.58	0	23.58	0	
451489	4/1/2019		132230	38	23.16	0	23.16	0	
451490	4/1/2019		132231	34	21.79	0	21.79	0	
451491	4/1/2019		132246	17	24.51	0	24.51	0	
451492	4/1/2019		132225	98	19.70	0	19.70	0	

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Page 2 of 15

Project No: 19-3461-11T

Customer Name:

Holler Excavating & Grading Inc.

Generator Name:

Campus West, LLC

Location Name :

Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road

City: Cheektowaga

State New York **Zip:** 14227

Address: 366 Elmwood Av

City: Buffalo

State NY **Zip:** 14222

Address: 129 West Avenue

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
451493	4/1/2019		132245	34	22.69	0	22.69	0	
451494	4/1/2019		363061	38	22.16	0	22.16	0	
451495	4/1/2019		132248	13	21.77	0	21.77	0	
451496	4/1/2019		132232	17	22.83	0	22.83	0	
451497	4/1/2019		132220	13	22.21	0	22.21	0	
451498	4/1/2019		132219	1	20.50	0	20.50	0	
451499	4/1/2019		132218	34	19.06	0	19.06	0	
451500	4/1/2019		132217	38	22.94	0	22.94	0	
451501	4/1/2019		132221	242	20.35	0	20.35	0	
451502	4/1/2019		132243	97	20.39	0	20.39	0	
451507	4/1/2019		132195	17	18.63	0	18.63	0	
451508	4/1/2019		132196	37	19.02	0	19.02	0	
451509	4/1/2019		132212	98	19.35	0	19.35	0	
451510	4/1/2019		132210	30	22.43	0	22.43	0	
451511	4/1/2019		132211	229	23.70	0	23.70	0	

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Project No: 19-3461-11T

Customer Name:
 Holler Excavating & Grading Inc.

Generator Name:
 Campus West, LLC

Location Name :
 Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road
City: Cheektowaga
State: New York **Zip:** 14227

Address: 366 Elmwood Av
City: Buffalo
State: NY **Zip:** 14222

Address: 129 West Avenue
City: Buffalo
State: NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
451512	4/1/2019		132209	1	21.29	0	21.29	0	
451513	4/1/2019		132222	30	22.24	0	22.24	0	
451514	4/1/2019		132223	229	24.59	0	24.59	0	
451515	4/1/2019		132213	97	19.63	0	19.63	0	
451516	4/1/2019		132215	33	21.87	0	21.87	0	
451517	4/1/2019		132208	34	22.57	0	22.57	0	
451518	4/1/2019		132207	37	25.44	0	25.44	0	
451519	4/1/2019		132206	17	24.09	0	24.09	0	
451520	4/1/2019		132204	33	25.78	0	25.78	0	
451521	4/1/2019		132247	1	24.19	0	24.19	0	
451522	4/1/2019		132216	37	22.62	0	22.62	0	
451523	4/1/2019		132198	1	22.50	0	22.50	0	
451524	4/1/2019		132201	98	20.95	0	20.95	0	
451525	4/1/2019		132202	229	24.07	0	24.07	0	
451526	4/1/2019		132203	97	30.92	0	30.92	0	

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Project No: 19-3461-11T

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Generator Name:
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Location Name :
 Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road
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State New York **Zip:** 14227

Address: 366 Elmwood Av
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State NY **Zip:** 14222

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Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
451528	4/1/2019		132236	242	20.81	0	20.81	0	
451529	4/1/2019		132200	30	23.18	0	23.18	0	
451530	4/1/2019		132237	30	23.43	0	23.43	0	
451531	4/1/2019		132197	34	17.81	0	17.81	0	
452378	4/11/2019		132405	242	19.63	0	19.63	0	
452379	4/11/2019		132406	58	22.56	0	22.56	0	
452380	4/11/2019		132407	56	21.40	0	21.40	0	
452381	4/11/2019		132408	223	24.18	0	24.18	0	
452382	4/11/2019		132409	34	20.34	0	20.34	0	
452383	4/11/2019		132410	32	17.88	0	17.88	0	
452384	4/11/2019		132411	16	19.45	0	19.45	0	
452385	4/11/2019		132412	242	20.30	0	20.30	0	
452386	4/11/2019		132434	223	19.99	0	19.99	0	
452387	4/11/2019		132413	01	22.98	0	22.98	0	
452388	4/11/2019		132440	32	16.52	0	16.52	0	

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Niagara Falls, NY 14301

Ph (716) 285-3920 · Fx (716) 285-3928

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Project No: 19-3461-11T

Customer Name:

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Generator Name:

Campus West, LLC

Location Name :

Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road

City: Cheektowaga

State New York **Zip:** 14227

Address: 366 Elmwood Av

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Address: 129 West Avenue

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State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452389	4/11/2019		132442	97	20.31	0	20.31	0	
452390	4/11/2019		132427	97	21.42	0	21.42	0	
452391	4/11/2019		132439	34	19.65	0	19.65	0	
452392	4/11/2019		132441	16	21.26	0	21.26	0	
452393	4/11/2019		132443	01	22.81	0	22.81	0	
452394	4/11/2019		132425	56	26.89	0	26.89	0	
452395	4/11/2019		132414	58	24.92	0	24.92	0	
452396	4/11/2019		132416	56	18.02	0	18.02	0	
452397	4/11/2019		132417	97	20.69	0	20.69	0	
452398	4/11/2019		132415	223	21.87	0	21.87	0	
452399	4/11/2019		132431	242	19.45	0	19.45	0	
452400	4/11/2019		132437	56	25.11	0	25.11	0	
452401	4/11/2019		132429	16	20.13	0	20.13	0	
452402	4/11/2019		132428	32	17.86	0	17.86	0	
452403	4/11/2019		132432	01	19.07	0	19.07	0	

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661 Main Street
Niagara Falls, NY 14301

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Generator Name:

Campus West, LLC

Location Name :

Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road

City: Cheektowaga

State New York **Zip:** 14227

Address: 366 Elmwood Av

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State NY **Zip:** 14222

Address: 129 West Avenue

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452404	4/11/2019		132433	58	22.18	0	22.18	0	
452405	4/11/2019		132426	34	21.95	0	21.95	0	
452406	4/11/2019		132424	223	21.95	0	21.95	0	
452407	4/11/2019		132422	01	19.64	0	19.64	0	
452408	4/11/2019		132421	242	19.42	0	19.42	0	
452409	4/11/2019		132423	58	23.78	0	23.78	0	
452410	4/11/2019		132420	16	21.74	0	21.74	0	
452411	4/11/2019		132419	32	21.22	0	21.22	0	
452412	4/11/2019		132418	34	22.83	0	22.83	0	
452413	4/11/2019		132444	58	22.47	0	22.47	0	
452414	4/11/2019		132452	16	21.50	0	21.50	0	
452416	4/11/2019		132461	56	25.53	0	25.53	0	
452417	4/11/2019		132460	34	22.51	0	22.51	0	
452418	4/11/2019		132458	223	23.37	0	23.37	0	
452419	4/11/2019		132455	38	21.65	0	21.65	0	

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Professional Engineering · Business Consulting

661 Main Street
Niagara Falls, NY 14301

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Manifest Invoicing

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Project No: 19-3461-11T

Customer Name:

Holler Excavating & Grading Inc.

Generator Name:

Campus West, LLC

Location Name :

Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road

City: Cheektowaga

State New York **Zip:** 14227

Address: 366 Elmwood Av

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State NY **Zip:** 14222

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State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452420	4/11/2019		132454	01	18.53	0	18.53	0	
452421	4/11/2019		132451	32	18.67	0	18.67	0	
452422	4/11/2019		132450	56	23.95	0	23.95	0	
452423	4/11/2019		132449	34	19.59	0	19.59	0	
452424	4/11/2019		132446	38	21.75	0	21.75	0	
452425	4/11/2019		132447	223	19.99	0	19.99	0	
452426	4/11/2019		132448	242	20.49	0	20.49	0	
452427	4/11/2019		132453	58	25.92	0	25.92	0	
452428	4/11/2019		132456	97	21.10	0	21.10	0	
452429	4/11/2019		132457	242	19.55	0	19.55	0	
452430	4/11/2019		132464	01	21.95	0	21.95	0	
452431	4/11/2019		132462	32	19.31	0	19.31	0	
452432	4/11/2019		132463	58	23.50	0	23.50	0	
452433	4/11/2019		132465	16	22.22	0	22.22	0	
452434	4/11/2019		132466	38	23.80	0	23.80	0	

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Professional Engineering · Business Consulting

661 Main Street
Niagara Falls, NY 14301

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Project No: 19-3461-11T

Customer Name:

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Generator Name:

Campus West, LLC

Location Name :

Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road

City: Cheektowaga

State New York **Zip:** 14227

Address: 366 Elmwood Av

City: Buffalo

State NY **Zip:** 14222

Address: 129 West Avenue

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452435	4/15/2019		130459	156	25.98	0	25.98	0	
452436	4/15/2019		130460	32	18.64	0	18.64	0	
452437	4/15/2019		130458	60	24.98	0	24.98	0	
452438	4/15/2019		130457	600	26.82	0	26.82	0	
452439	4/15/2019		130453	500	22.88	0	22.88	0	
452440	4/15/2019		130464	500	25.09	0	25.09	0	
452441	4/15/2019		130469	60	23.44	0	23.44	0	
452442	4/15/2019		130468	34	25.31	0	25.31	0	
452443	4/15/2019		130467	16	25.27	0	25.27	0	
452444	4/15/2019		130466	33	26.24	0	26.24	0	
452445	4/15/2019		130462	13	23.71	0	23.71	0	
452446	4/15/2019		130461	57	24.13	0	24.13	0	
452447	4/15/2019		130456	55	25.05	0	25.05	0	
452448	4/15/2019		130455	34	26.39	0	26.39	0	
452449	4/15/2019		130454	16	21.67	0	21.67	0	

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Project No: 19-3461-11T

Customer Name:

Holler Excavating & Grading Inc.

Generator Name:

Campus West, LLC

Location Name :

Campus West Apartments at 129 West

Address: 590 Cayuga Creek Road

City: Cheektowaga

State New York **Zip:** 14227

Address: 366 Elmwood Av

City: Buffalo

State NY **Zip:** 14222

Address: 129 West Avenue

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452450	4/15/2019		132548	32	22.82	0	22.82	0	
452451	4/15/2019		132549	57	25.89	0	25.89	0	
452452	4/15/2019		130452	33	22.72	0	22.72	0	
452453	4/15/2019		132547	56	27.87	0	27.87	0	
452454	4/15/2019		132546	60	27.89	0	27.89	0	
452455	4/15/2019		132545	58	29.02	0	29.02	0	
452456	4/15/2019		132544	34	26.40	0	26.40	0	
452457	4/15/2019		132543	500	25.82	0	25.82	0	
452458	4/15/2019		132541	33	26.08	0	26.08	0	
452459	4/15/2019		130451	13	23.88	0	23.88	0	
452460	4/12/2019		132540	57	23.86	0	23.86	0	
452461	4/12/2019		132539	200	24.83	0	24.83	0	
452462	4/12/2019		132537	1	22.38	0	22.38	0	
452463	4/12/2019		132538	223	22.83	0	22.83	0	
452464	4/12/2019		132536	38	22.32	0	22.32	0	

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Manifest Invoicing

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Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452465	4/12/2019		132535	37	21.19	0	21.19	0	
452466	4/12/2019		132534	32	19.83	0	19.83	0	
452467	4/12/2019		132533	34	23.16	0	23.16	0	
452468	4/12/2019		132532	229	24.77	0	24.77	0	
452469	4/12/2019		132531	56	25.52	0	25.52	0	
452470	4/12/2019		132530	57	25.23	0	25.23	0	
452471	4/12/2019		132529	200	23.84	0	23.84	0	
452472	4/12/2019		132528	1	21.27	0	21.27	0	
452473	4/12/2019		132527	223	23.22	0	23.22	0	
452474	4/12/2019		132526	38	22.73	0	22.73	0	
452475	4/12/2019		132525	37	20.76	0	20.76	0	
452476	4/12/2019		132524	32	18.82	0	18.82	0	
452477	4/12/2019		132523	34	19.97	0	19.97	0	
452478	4/12/2019		132522	229	20.27	0	20.27	0	
452479	4/12/2019		132520	56	23.29	0	23.29	0	

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Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452480	4/12/2019		132519	57	23.02	0	23.02	0	
452481	4/12/2019		132518	200	20.63	0	20.63	0	
452482	4/12/2019		132516	223	21.21	0	21.21	0	
452483	4/12/2019		132517	1	23.34	0	23.34	0	
452484	4/12/2019		132512	32	18.54	0	18.54	0	
452485	4/12/2019		132515	38	19.98	0	19.98	0	
452486	4/12/2019		132513	37	19.48	0	19.48	0	
452487	4/12/2019		132511	34	22.69	0	22.69	0	
452488	4/12/2019		132510	229	22.76	0	22.76	0	
452489	4/12/2019		132509	56	24.81	0	24.81	0	
452490	4/12/2019		132508	57	24.33	0	24.33	0	
452491	4/12/2019		132507	200	23.02	0	23.02	0	
452492	4/12/2019		132506	223	21.81	0	21.81	0	
452493	4/12/2019		132504	1	24.69	0	24.69	0	
452494	4/12/2019		132503	38	22.19	0	22.19	0	

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Address: 129 West Avenue

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452495	4/12/2019		132502	37	21.05	0	21.05	0	
452496	4/12/2019		132501	32	20.32	0	20.32	0	
452497	4/12/2019		132500	34	20.64	0	20.64	0	
452498	4/12/2019		132499	56	24.26	0	24.26	0	
452499	4/12/2019		132498	57	24.88	0	24.88	0	
452500	4/12/2019		132497	200	21.90	0	21.90	0	
452501	4/12/2019		132496	229	20.40	0	20.40	0	
452502	4/12/2019		132495	223	23.32	0	23.32	0	
452503	4/12/2019		132494	1	21.98	0	21.98	0	
452504	4/12/2019		132491	37	21.95	0	21.95	0	
452505	4/12/2019		132490	32	17.07	0	17.07	0	
452506	4/12/2019		132489	32	21.92	0	21.92	0	
452507	4/12/2019		132488	56	21.40	0	21.40	0	
452508	4/12/2019		132487	57	20.24	0	20.24	0	
452509	4/12/2019		132486	200	22.42	0	22.42	0	

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Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452510	4/12/2019		132485	229	20.05	0	20.05	0	
452511	4/12/2019		132484	223	21.83	0	21.83	0	
452512	4/12/2019		132482	1	22.71	0	22.71	0	
452513	4/12/2019		132493	38	21.23	0	21.23	0	
452514	4/12/2019		132473	1	23.82	0	23.82	0	
452515	4/12/2019		132470	38	26.56	0	26.56	0	
452516	4/12/2019		132469	37	26.40	0	26.40	0	
452517	4/12/2019		132481	38	20.55	0	20.55	0	
452518	4/12/2019		132479	37	23.86	0	23.86	0	
452519	4/12/2019		132475	57	28.47	0	28.47	0	
452520	4/12/2019		132474	200	25.67	0	25.67	0	
452521	4/12/2019		132476	56	26.75	0	26.75	0	
452522	4/12/2019		132477	34	24.47	0	24.47	0	
452523	4/12/2019		132478	32	19.50	0	19.50	0	
452524	4/11/2019		132468	242	22.35	0	22.35	0	

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Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452525	4/11/2019		132467	97	23.67	0	23.67	0	
452752	4/18/2019		130486	38	22.98	0	22.98	0	
452753	4/18/2019		130493	13	18.18	0	18.18	0	
452754	4/18/2019		130494	37	22.58	0	22.58	0	
452786	4/18/2019		130508	33	22.63	0	22.63	0	
452787	4/18/2019		130507	40	20.41	0	20.41	0	
452788	4/18/2019		130506	37	21.32	0	21.32	0	
452789	4/18/2019		130505	13	21.31	0	21.31	0	
452790	4/18/2019		130504	33	21.03	0	21.03	0	
452791	4/18/2019		130503	40	19.96	0	19.96	0	
452792	4/18/2019		130502	37	21.90	0	21.90	0	
452793	4/18/2019		130501	13	20.21	0	20.21	0	
452794	4/18/2019		130499	33	22.41	0	22.41	0	
452795	4/18/2019		130498	37	22.22	0	22.22	0	
452796	4/18/2019		130496	13	21.05	0	21.05	0	

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Manifest Invoicing

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Project No: 19-3461-11T

Customer Name:
 Holler Excavating & Grading Inc.

Generator Name:
 Campus West, LLC

Location Name :
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Address: 590 Cayuga Creek Road
City: Cheektowaga
State: New York **Zip:** 14227

Address: 366 Elmwood Av
City: Buffalo
State: NY **Zip:** 14222

Address: 129 West Avenue
City: Buffalo
State: NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
452797	4/18/2019		130491	37	22.19	0	22.19	0	
452798	4/18/2019		130490	13	21.92	0	21.92	0	
452799	4/18/2019		130489	37	22.32	0	22.32	0	
452800	4/18/2019		130488	13	19.24	0	19.24	0	

Number of Manifests: 214
Code 1: 5261
Date 1: 04/25/2019

Total Actual Tonnage:	4,772.96	Total Billable Tonnage:	4,772.96	Total Liners Used	0	Total Time (minutes)	
------------------------------	-----------------	--------------------------------	-----------------	--------------------------	----------	-----------------------------	--

Total Tonnage April 1 to April 15, 2019: 4389.1

From: [Caroline C. Bukowski](#)
To: [Lopes, Anthony \(DEC\)](#)
Cc: [Tom H. Forbes](#); [Mike A. Lesakowski](#); [Locey, David \(DEC\)](#)
Subject: 295 Maryland Street Site Native Material
Date: Thursday, April 11, 2019 10:16:15 AM
Attachments: [L1850602.pdf](#)
[Table : Summary of BUD SOIL Sample Analytical Results vs Import Criteria.pdf](#)

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Tony,

Please see the attached 295 Maryland Street Site analytical data package and tabulated summary table for the native material samples collected in December 2018. Tom had discussed using this material as future cover material at the 1827 Filmore Avenue Site. All sample results are below NYSDEC DER-10 unrestricted use import levels. We will be sending an import request form as well.

Let me know if you have any questions.

Thank you,
Caroline

Caroline C. Bukowski
Engineer

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218
<https://protect2.fireeye.com/url?k=8bf40cf6-d7d0fa97-8bf6f5c3-0cc47a6d17e0-01dfa75d73358cef&u=http://www.benchmarkees.com/>

Caroline C. Bukowski

From: Caroline C. Bukowski
Sent: Thursday, May 02, 2019 11:49 AM
To: Caroline C. Bukowski
Subject: FW: 1827 Fillmore Import Request
Attachments: 295 Maryland Street Site Native Material

From: Locey, David (DEC) <david.locey@dec.ny.gov>
Sent: Thursday, April 11, 2019 12:23 PM
To: Tom H. Forbes <TForbes@benchmarkturnkey.com>; Lopes, Anthony (DEC) <anthony.lopes@dec.ny.gov>
Cc: Mike A. Lesakowski <MLesakowski@Turnkeyllc.com>; Rick L. Dubisz <RDubisz@Turnkeyllc.com>; Caroline C. Bukowski <CBukowski@benchmarkturnkey.com>
Subject: RE: 1827 Fillmore Import Request

Tom,

Based on the test results emailed today (attached), the clean native material from 295 Maryland Street BCP Site (C915242) may be used on the 1827 Fillmore BCP Site (C915279) – either as part of the site cover system or as remedial excavation backfill.

As we discussed earlier, the native material will be stockpiled on the Fillmore site in a location furthest from the adjacent schools and, erosion controls will be put in place around the stockpile.

If there is more than 1,000 CY of clean native material to be used, additional samples will be required, in accordance with Table 5.4(e)10 of DER-10.

From: Tom H. Forbes <TForbes@benchmarkturnkey.com>
Sent: 04-11-2019 11:44
To: Locey, David (DEC) <david.locey@dec.ny.gov>; Lopes, Anthony (DEC) <anthony.lopes@dec.ny.gov>
Cc: Mike A. Lesakowski <MLesakowski@Turnkeyllc.com>; Rick L. Dubisz <RDubisz@Turnkeyllc.com>; Caroline C. Bukowski <CBukowski@benchmarkturnkey.com>
Subject: 1827 Fillmore Import Request

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Dave,

Attached please find the import request form; the data was previously sent by Caroline. I believe Tony was going to get ahold of you – I called him on his cell not knowing he was on vacation and he graciously returned my call.

This is native soil that will be excavated for the basement of the new building at the 295 Maryland Site. The fill material is currently being landfilled; we are onsite with our CAMP equipment manifesting the trucks. Rick D. from my office is there; his cell is 716-998-4334. We can dig down and expose some native if needed.

Thanks very much for your help on this.

Best regards,
Tom

Thomas H. Forbes, P.E.
Principal Engineer
tforbes@benchmarkturnkey.com



**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). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

1827 Fillmore Avenue Site
BCP Site No. C915279

Have Ecological Resources been identified?

Is this soil originating from the site?

Initially 1,000 CY, up to
3,000 CY as the project
progresses.

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 would pass a size 80 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 5.5 (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

TABLE 1
SUMMARY OF ONSITE SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS
CAMPUS WEST, LLC
MARYLAND AVE
BUFFALO, NEW YORK

PARAMETER ¹	Unrestricted Use Import Levels ²	Residential Use Import Levels ²	SAMPLE LOCATION								
			BUD COMP-1	BUD COMP-2	BUD VOC GRAB-1	BUD VOC GRAB-2	BUD VOC GRAB-3	BUD VOC GRAB-4	BUD VOC GRAB-5	BUD VOC GRAB-6	BUD VOC GRAB-7
			12/12/2018								
Volatile Organic Compounds (VOCs) - mg/Kg³											
Acetone	0.05	0.05	NA	NA	0.012	0.008 J	0.014	0.0098 J	0.037	0.02	0.011
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg³			ND	ND	NA	NA	NA	NA	NA	NA	NA
Total PCBs - mg/Kg			ND	ND	NA	NA	NA	NA	NA	NA	NA
Total Metals - mg/Kg											
Aluminum	--	--	10500	10100	NA	NA	NA	NA	NA	NA	NA
Antimony	--	--	ND	ND	NA	NA	NA	NA	NA	NA	NA
Arsenic	13	16	3.77	4.65	NA	NA	NA	NA	NA	NA	NA
Barium	350	350	95.1	81.3	NA	NA	NA	NA	NA	NA	NA
Beryllium	7.2	14	0.13 J	0.266 J	NA	NA	NA	NA	NA	NA	NA
Cadmium	2.5	2.5	0.455 J	0.533 J	NA	NA	NA	NA	NA	NA	NA
Calcium	--	--	59400	62100	NA	NA	NA	NA	NA	NA	NA
Chromium	30	36	14.4	14.6	NA	NA	NA	NA	NA	NA	NA
Cobalt	--	--	7.28	7.74	NA	NA	NA	NA	NA	NA	NA
Copper	50	270	12.7	12.9	NA	NA	NA	NA	NA	NA	NA
Iron	--	--	15900	18900	NA	NA	NA	NA	NA	NA	NA
Lead	63	400	11.1	11.4	NA	NA	NA	NA	NA	NA	NA
Magnesium	--	--	19700	19600	NA	NA	NA	NA	NA	NA	NA
Manganese	1600	2000	416	429	NA	NA	NA	NA	NA	NA	NA
Mercury	0.18	0.73	ND	ND	NA	NA	NA	NA	NA	NA	NA
Nickel	30	130	13.9	13.8	NA	NA	NA	NA	NA	NA	NA
Potassium	--	--	2630	1690	NA	NA	NA	NA	NA	NA	NA
Selenium	3.9	4	0.482 J	0.607 J	NA	NA	NA	NA	NA	NA	NA
Silver	2	8.3	ND	ND	NA	NA	NA	NA	NA	NA	NA
Sodium	--	--	302	181 J	NA	NA	NA	NA	NA	NA	NA
Thallium	--	--	ND	ND	NA	NA	NA	NA	NA	NA	NA
Vanadium	--	--	22.4	22.8	NA	NA	NA	NA	NA	NA	NA
Zinc	109	2200	57.6	61.3	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; other compounds were reported as non-detect.
2. Values per NYSDEC DER-10 Appendix 5; Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4 (e).
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparisons to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
 NA = Not analyzed for this parameter.
 "--" = No value available for the parameter; Parameter not analyzed for.
 J = Estimated value; result is less than the sample quantitation limit but greater than zero.

**1827 FILLMORE AVE SITE
SOIL/FILL DELIVERY LOGSHEET**

	DATE	TIME	HAULER NAME	TRUCK NUMBER
1	4/16/19	736	Pariso	13
2	4/16/19	736	HOLLER	R 116
3	"	745	Pariso	242
4	"	746	Pariso	17
5	"	752	BTS	500
6	"	818	GJ Lloyd	9A-217 60
7	"	819	BTS	9A-763 Purple
8	"	839	GJ Lloyd	9A-217 56
9	"	842	Pariso	13
10	"	8:42	Holler	Ⓟ
11	"	8:52	Pariso	242
12	"	8:56	Pariso	17
13	"	8:59	BTS	500
14	"	907	Pariso	16
15	"	9:18	GJ Lloyd	60
16	"	9:22	BTS	9A-763 Purple
17	"	9:24	GJ Lloyd	56
18	"	9:35	Holler	
19	"	9:45	Pariso	242
20	"	9:46	Pariso	17
21	"	9:52	BTS	500
22	"	9:54	Design	223
23	"	10:00	Pariso	18
24	"	10:03	GJ Lloyd	60
25	"	10:08	BTS	9A-763 Purple

**1827 FILLMORE AVE SITE
SOIL/FILL DELIVERY LOGSHEET**

	DATE	TIME	HAULER NAME	TRUCK NUMBER
1	4/16/19	10:11	GJ Lloyd	56
2	"	10:19	Holler	
3	"	10:24	Pariso	242
4	"	10:30	Pariso	17
5	"	10:34	Design	223
6	"	10:37	BTS	500
7	"	10:41	GJ Lloyd	60
8	"	10:48	BTS	Purple
9	"	10:56	Pariso Pariso	16
10	"	11:00	GJ Lloyd	56
11	"	11:07	Holler	242
12	"	11:12	Pariso	242
13	"	11:18	Pariso	17
14	"	11:18	Design	223
15	"	11:24	BTS	500
16	"	11:28	GJ Lloyd	60
17	"	11:32	BTS	purple
18	"	11:40	Pariso	16
19	"	11:40	GJ Lloyd	56
20	"	11:56	Pariso	242
21	"	12:02	Design	223
22	"	12:05	GJ Lloyd	60
23	"	12:08	BTS	Purple
24	"	12:26	GJ Lloyd	56
25	"	12:34	Pariso	16

**1827 FILLMORE AVE SITE
SOIL/FILL DELIVERY LOGSHEET**

	DATE	TIME	HAULER NAME	TRUCK NUMBER
1	9/18/19	12:38	GJ Lloyd	60
2	"	1246	BTS	Purple
3	"	12:53	GJ Lloyd	56
4	"	1:10	Pariso	16
5	"	1:27	Pariso	232
6	"	1:32	BTS	500
7	"	1:36	GJ Lloyd	60
8	"	1:42	BTS	Purple
9	"	1:52	Design	223
10	"	1:59	Pariso	17
11	"	2:03	GJ	56
12	"	2:13	Pariso	16
13	"	2:22	Pariso	242
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

APPENDIX D

BACKFILL DOCUMENTATION



Christopher Tobin
400 Hinman Rd.
Lockport, NY, 14094
716-289-7970

To Whom It May Concern:

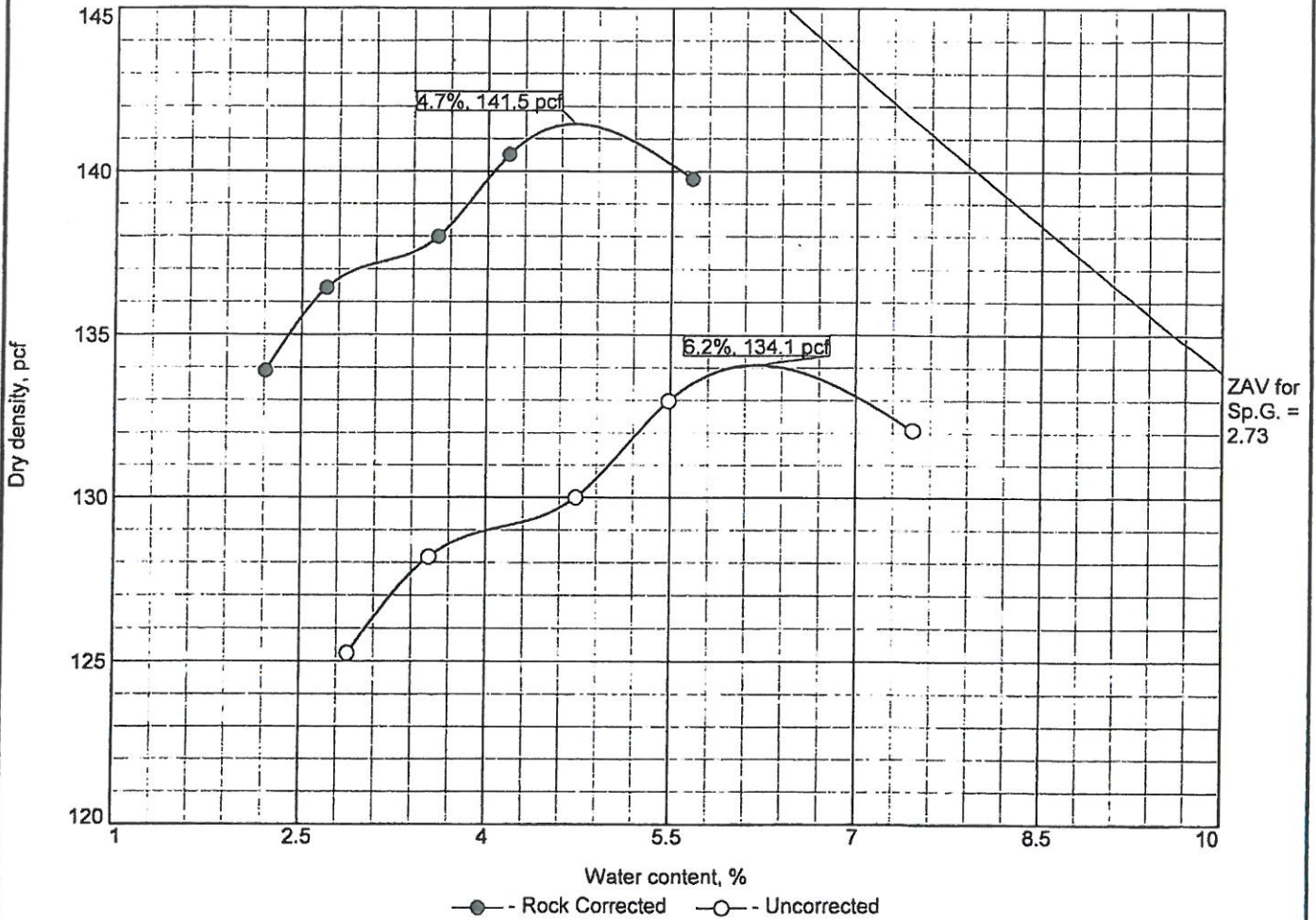
This letter is to confirm that the material being provided from our plant in Lockport, NY, is from a natural, clean and contaminant free source of aggregates that is annually monitored by the New York State Department of Transportation and The New York State Department of Environmental Conservation.

Please feel free to contact me at the number above with any questions and I would be happy to assist in any way possible. Thank you.

Regards,

C. Z
Christopher Tobin
Quality Control Technician

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method C Standard
 ASTM D 4718-87 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
Stockpile	GP-GM	A-1-a		2.73	NV	NP	24.4	8.7

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 141.5 pcf	134.1 pcf	2" Run of Crusher Stone
Optimum moisture = 4.7 %	6.2 %	

Project No. 17-1122 Client: Lafarge North America Project: Materials Testing Location: Lockport Quarry Depth: Stockpile Sample Number: 17-04 GLYNN GEOTECHNICAL ENGINEERING Lockport, New York	Remarks: Gradation Provided by Lafarge Figure
--	---

Tested By: GEL Checked By: MWG

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED: _____

Ticket: 128476863 4/1/2019 10:56:29AM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN

Order: WEST AVE

P.O.: Pickup

Dispatch 0

Truck: PL117 License 79722M

Hauler: 4000000 CUSTOMER VEHICLE

Zone: ZONE0 Max GWW 73,750

Product: 7043 CS,2" BASE MATERIAL,2" - #200

Pounds Alt

Gross: 72180 32740

Tare: 28200 12791

Net: 43980 19949

Quantity: 21.99 Ton

Today: 21.99 Ton

Loads: 1

Cash Sale Price Amount

Material:

Other:

Tax:

Total:

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479381 4/15/2019 10:27:41AM
REPRINT

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 129 WEST AVE

P.O.: Pickup
Dispatch 0

Truck: PLI33 License 99440M
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 0

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	71700	32523
Tare:	27900	12655
Net:	43800	19867

Quantity: 21.90 Ton
Today: 44.36 Ton
Loads: 2

<u>Cash Sale</u>	<u>Price</u>	<u>Amount</u>
Material:		
Other:		
Tax:		
Total:		

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 2 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479469 4/15/2019 12:59:38PM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.: Pickup
Dispatch: 0

Truck: PLI33 License 99440M
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 0

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	71740	32541
Tare:	27900 *	12655 *
Net:	43840	19885

Quantity: 21.92 Ton
Today: 68.18 Ton
Loads: 3

<u>Cash Sale</u>	<u>Price</u>	<u>Amount</u>
Material:		
Other:		
Tax:		
Total:		

* P. T.

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 2 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479460 4/15/2019 12:42:39PM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.: Pickup
Dispatch: 0
Truck: BTS500 License 53897JE
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 0

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	Pounds	Alt
Gross:	72000	32659
Tare:	25940 *	11766 *
Net:	46060	20892
Quantity:	23.03 Ton	
Today:	46.26 Ton	
Loads:	2	* P. T.

Cash Sale Price Amount
Material:
Other:
Tax:
Total:

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 2 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479380 4/15/2019 10:26:17AM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 129 WEST AVE

P.O.: Pickup
Dispatch: 0
Truck: BTS500 License 53897JE
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 0

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	Pounds	Alt
Gross:	70860	32142
Tare:	25940	11766
Net:	44920	20375
Quantity:	22.46 Ton	
Today:	22.46 Ton	
Loads:	1	

Cash Sale Price Amount
Material:
Other:
Tax:
Total:

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479399 4/15/2019 10:58:46AM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 129 WEST AVE

P.O.: Pickup
Dispatch 0

Truck: JJ34 License 99169M
Trailer: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 72,500

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	67960	30826
Tare:	24740	11222
Net:	43220	19604

Quantity: 21.61 Ton
Today: 87.73 Ton
Loads: 4

<u>Cash Sale</u>	<u>Price</u>	<u>Amount</u>
Material:		
Other:		
Tax:		
Total:		

Lafarge * LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479408 4/15/2019 11:10:28AM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN

Order: 400550010 Campus West

P.O.: Pickup

Dispatch 0

Truck: GLL60 License 59689K

Hauler: 4000000 CUSTOMER VEHICLE

Zone: ZONE0 Max GVW 75,750

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	74860	33956
Tare:	28400	12882
Net:	46460	21074

Quantity: 23.23 Ton

Today: 23.23 Ton

Loads: 1

Cash Sale Price Amount

Material:

Other:

Tax:

Total:

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479480 4/15/2019 1:23:45PM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.:  Pickup
Dispatch 0

Truck: PL116 License 79721M
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GWW 73,750

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	71780	32559
Tare:	27840 *	12628 *
Net:	43940	19931

Quantity: 21.97 Ton

Today: 90.15 Ton

Loads: 4 * P. T.

<u>Cash Sale</u>	<u>Price</u>	<u>Amount</u>
Material:		
Other:		
Tax:		
Total:		

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479390 4/15/2019 10:41:37AM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 129 WEST AVE

P.O.:  Pickup
Dispatch 0

Truck: PL116 License 79721M
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GWW 73,750


Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	71360	32368
Tare:	27840	12628
Net:	43520	19740

Quantity: 21.76 Ton

Today: 66.12 Ton

Loads: 3

<u>Cash Sale</u>	<u>Price</u>	<u>Amount</u>
Material:		
Other:		
Tax:		
Total:		

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S
RECEIVED:

Ticket: 128479637 4/16/2019 11:50:57AM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.: Pickup
Dispatch 0
Truck: HOL16 License 75059M
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 68,000

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	66760	30282
Tare:	26260 *	11911 *
Net:	40500	18370

Quantity: 20.25 Ton

Today: 20.25 Ton

Loads: 1 * P. T.

<u>Cash Sale</u>	<u>Price</u>	<u>Amount</u>
Material:		
Other:		
Tax:		
Total:		

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 2 Weighmaster: Kimberly S
RECEIVED:

Ticket: 128479691 4/16/2019 1:16:43PM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.: Pickup
Dispatch 0
Truck: HOL16 License 75059M
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 68,000

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	66980	30382
Tare:	26260 *	11911 *
Net:	40720	18470

Quantity: 20.36 Ton

Today: 105.47 Ton

Loads: 5 * P. T.

<u>Cash Sale</u>	<u>Price</u>	<u>Amount</u>
Material:		
Other:		
Tax:		
Total:		

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 2 Weighmaster: Kimberly S

RECEIVED: _____

Ticket: 128479668 4/16/2019 12:43:32PM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.: Pickup

Dispatch 0

Truck: PLI17 License 79722M
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 73,750

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	72900	33067
Tare:	27980	12692
Net:	44920	20375

Quantity: 22.46 Ton

Today: 85.11 Ton

Loads: 4

Cash Sale Price Amount

Material:

Other:

Tax:

Total:

Lafarge LOCKPORT QUARRY 716-439-1300
3301 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED: _____

Ticket: 128479649 4/16/2019 12:17:35PM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.: Pickup

Dispatch 0

Truck: BTS500 License 53897JE
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 0

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	67740	30726
Tare:	25940 *	11766 *
Net:	41800	18960

Quantity: 20.90 Ton

Today: 62.65 Ton

Loads: 3

Cash Sale Price Amount

Material:

Other:

Tax:

Total: * P. T.

Lafarge LOCKPORT QUARRY 716-439-1300
3301 - - 400 Hinman Rd

Scale: 1 Weighmaster: Kimberly S

RECEIVED:

Ticket: 128479648 4/16/2019 12:16:42PM

Customer: 56416 C M HOLLER EXCAVATING & GRADIN
Order: 400550010 Campus West

P.O.: Pickup
Dispatch 0

Truck: PAR242 License 39492JZ
Hauler: 4000000 CUSTOMER VEHICLE
Zone: ZONE0 Max GVW 68,000

Product: 7043 CS,2" BASE MATERIAL,2" - #200

	<u>Pounds</u>	<u>Alt</u>
Gross:	66780	30291
Tare:	23780	10786
Net:	43000	19504

Quantity: 21.50 To
Today: 41.75 Ton
Loads: 2

Cash Sale

Material:
Other:
Tax:
Total:

APPENDIX E

CAMP FIELD DATA SHEETS AND AIR MONITORING DATA



COMMUNITY AIR MONITORING DAILY LOG

Date: 4/1/2019
 Project: New Building Redevelopment
 Job No.: B0222-019-001
 Client: 295 Maryland, LLC/Campus West, LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	25 F	
Wind Direction:	West	
Wind Speed:	5 mph	
Precipitation:	Snow on ground	

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map):

DESCRIPTION OF SITE ACTIVITIES: Hauling Soil/Fill to Landfill for new building construction activities.

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹			NA		No 15-minute TWA exceedances. One short-term exceedance due to on-site vehicle traffic.
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹			NA		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

1. Above background for 15 minute moving average.
 2. Above background at Site perimeter (indicate location on attached sketch)
 3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.
- NOTE:** All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 4/1/2019
 Checked By: _____ Date: _____



COMMUNITY AIR MONITORING DAILY LOG

Date: 4/11/2019
 Project: New Building Redevelopment
 Job No.: B0222-019-001
 Client: 295 Maryland, LLC/Campus West, LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	35 F	
Wind Direction:		
Wind Speed:	5 mph	
Precipitation:	None	

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map):

DESCRIPTION OF SITE ACTIVITIES: **Hauling Soil/Fill off-site for new building construction activities.**

Note: VOC data did not log, no field indications of high ambient VOC concentrations noted.

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹			NA		No 15-minute TWA exceedances.
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹			NA		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

1. Above background for 15 minute moving average.
 2. Above background at Site perimeter (indicate location on attached sketch)
 3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.
- NOTE:** All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 4/11/2019
 Checked By: _____ Date: _____

COMMUNITY AIR MONITORING DAILY LOG

Date: 4/12/2019
 Project: New Building Redevelopment
 Job No.: B0222-019-001
 Client: 295 Maryland, LLC/Campus West, LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	55 F	
Wind Direction:		
Wind Speed:	5 mph	
Precipitation:	None	

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map):

DESCRIPTION OF SITE ACTIVITIES: Hauling Soil/Fill off-site for new building construction activities.

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹			NA		No 15-minute TWA exceedances. One short-term exceedance due to on-site vehicle traffic.
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹			NA		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

1. Above background for 15 minute moving average.
 2. Above background at Site perimeter (indicate location on attached sketch)
 3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.
- NOTE:** All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 4/12/2019
 Checked By: _____ Date: _____

COMMUNITY AIR MONITORING DAILY LOG

Date: 4/13/2019
 Project: New Building Redevelopment
 Job No.: B0222-019-001
 Client: 295 Maryland, LLC/Campus West, LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	34 F	
Wind Direction:	West	
Wind Speed:	10-15 mph	
Precipitation:	Snow/Rain	

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map): **NO CAMP DUE TO SNOW/RAIN**

DESCRIPTION OF SITE ACTIVITIES: Hauling Soil/Fill off-site for new building construction activities.

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹					
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹					Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

1. Above background for 15 minute moving average.
 2. Above background at Site perimeter (indicate location on attached sketch)
 3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.
- NOTE:** All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: _____ Date: _____
 Checked By: _____ Date: _____



COMMUNITY AIR MONITORING DAILY LOG

Date: 4/16/2019
 Project: New Building Redevelopment
 Job No.: B0222-019-001
 Client: 295 Maryland, LLC/Campus West, LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	45 F	
Wind Direction:	West	
Wind Speed:	5 mph	
Precipitation:	None	Rain

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map):

DESCRIPTION OF SITE ACTIVITIES: Hauling Soil/fill off-site for new building construction activities.
CAMP down at 10 due to rain. CAMP data did not log in the morning from 8Am to 10AM due to equipment malfunction. No indications of dust or VOC concentration exceedances.

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹					
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹					Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

1. Above background for 15 minute moving average.
 2. Above background at Site perimeter (indicate location on attached sketch)
 3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.
- NOTE:** All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 4/16/2019
 Checked By: _____ Date: _____

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m³)	TWA (mg/m³)	Mass Conc. Total (Avg15) (mg/m³)	Latitude	Longitude
4/1/2019								
4/1/2019 12:00	0	0	0	0.01	0.003	0.006	42.8971	-78.8821
4/1/2019 12:01	0	0	0	0	0.003	0.0053	42.897	-78.8821
4/1/2019 12:02	0	0	0	0.014	0.003	0.0056	42.897	-78.8821
4/1/2019 12:03	0	0	0	0.002	0.003	0.0057	42.897	-78.8821
4/1/2019 12:04	0	0	0	0.002	0.003	0.0052	42.897	-78.8821
4/1/2019 12:05	0	0	0	0.002	0.003	0.0053	42.897	-78.8821
4/1/2019 12:06	0	0	0	0.014	0.003	0.0061	42.897	-78.8821
4/1/2019 12:07	0	0	0	0.002	0.003	0.0063	42.897	-78.8821
4/1/2019 12:08	0	0	0	0.008	0.003	0.0057	42.897	-78.8821
4/1/2019 12:09	0	0	0	0.001	0.003	0.0051	42.897	-78.8821
4/1/2019 12:10	0	0	0	0.002	0.003	0.005	42.897	-78.882
4/1/2019 12:11	0	0	0	0.009	0.003	0.0054	42.897	-78.882
4/1/2019 12:12	0	0	0	0	0.003	0.0052	42.8971	-78.882
4/1/2019 12:13	0	0	0	0.008	0.003	0.0057	42.8971	-78.882
4/1/2019 12:14	0	0	0	0.02	0.003	0.0063	42.8971	-78.882
4/1/2019 12:15	0	0	0	0.004	0.003	0.0059	42.897	-78.882
4/1/2019 12:16	0	0	0	0.01	0.003	0.0065	42.897	-78.882
4/1/2019 12:17	0	0	0	1.51	0.003	0.1063	42.897	-78.882
4/1/2019 12:18	0	0	0	0.005	0.004	0.1065	42.8971	-78.882
4/1/2019 12:19	0	0	0	0.003	0.004	0.1065	42.8971	-78.882
4/1/2019 12:20	0	0	0	0.009	0.004	0.107	42.8971	-78.882
4/1/2019 12:21	0	0	0	0.005	0.004	0.1064	42.897	-78.882
4/1/2019 12:22	0	0	0	0.032	0.004	0.1084	42.8971	-78.882
4/1/2019 12:23	0	0	0	0.027	0.004	0.1097	42.897	-78.882
4/1/2019 12:24	0	0	0	0.014	0.004	0.1105	42.897	-78.882
4/1/2019 12:25	0	0	0	0.005	0.004	0.1107	42.897	-78.882
4/1/2019 12:26	0	0	0	0.011	0.004	0.1109	42.897	-78.882
4/1/2019 12:27	0	0	0	0.002	0.004	0.111	42.897	-78.8821
4/1/2019 12:28	0	0	0	0.004	0.004	0.1107	42.897	-78.8821
4/1/2019 12:29	0	0	0	0.017	0.004	0.1105	42.897	-78.8821
4/1/2019 12:30	0	0	0	0	0.004	0.1103	42.897	-78.882
4/1/2019 12:31	0	0	0	0.005	0.004	0.1099	42.8971	-78.882
4/1/2019 12:32	0	0	0	0.003	0.004	0.0095	42.8971	-78.882
4/1/2019 12:33	0	0	0	0.042	0.004	0.0119	42.8971	-78.8819
4/1/2019 12:34	0	0	0	0.016	0.004	0.0128	42.8971	-78.8819
4/1/2019 12:35	0	0	0	0.02	0.004	0.0135	42.8971	-78.882
4/1/2019 12:36	0	0	0	0.017	0.004	0.0143	42.897	-78.8821
4/1/2019 12:37	0	0	0	0.005	0.004	0.0125	42.897	-78.8821
4/1/2019 12:38				0.008	0.004	0.0113	42.897	-78.882
4/1/2019 12:39	0	0	0	0.011	0.004	0.0111	42.897	-78.882
4/1/2019 12:40				0.008	0.004	0.0113	42.897	-78.882
4/1/2019 12:41	0	0	0	0.091	0.004	0.0166	42.8971	-78.882
4/1/2019 12:42	0	0	0	0.005	0.004	0.0168	42.8971	-78.882
4/1/2019 12:43				0.008	0.004	0.0171	42.897	-78.882
4/1/2019 12:44	0	0	0	0.014	0.004	0.0169	42.897	-78.882
4/1/2019 12:45	0	0	0	0.016	0.004	0.0179	42.897	-78.882
4/1/2019 12:46				0.013	0.004	0.0185	42.897	-78.882
4/1/2019 12:47	0	0	0	0.004	0.004	0.0185	42.897	-78.8821
4/1/2019 12:48	0	0	0	0.039	0.004	0.0183	42.897	-78.882
4/1/2019 12:49	0	0	0	0.008	0.005	0.0178	42.8971	-78.8821
4/1/2019 12:50	0	0	0	0.008	0.005	0.017	42.8971	-78.882
4/1/2019 12:51	0	0	0	0	0.005	0.0159	42.8971	-78.8821
4/1/2019 12:52	0	0	0	0.004	0.005	0.0158	42.897	-78.8821
4/1/2019 12:53	0	0	0	0.019	0.005	0.0165	42.8971	-78.8821
4/1/2019 12:54	0	0	0	0.008	0.005	0.0163	42.897	-78.8821
4/1/2019 12:55	0	0	0	0.012	0.005	0.0166	42.897	-78.8821
4/1/2019 12:56	0	0	0	0.029	0.005	0.0125	42.897	-78.882
4/1/2019 12:57	0	0	0	0.009	0.005	0.0127	42.897	-78.8821
4/1/2019 12:58	0	0	0	0.004	0.005	0.0125	42.897	-78.8821
4/1/2019 12:59	0	0	0	0.002	0.005	0.0117	42.897	-78.8821
4/1/2019 13:00	0	0	0	0.018	0.005	0.0118	42.897	-78.8821
4/1/2019 13:01	0	0	0	0.003	0.005	0.0111	42.897	-78.8821
4/1/2019 13:02	0	0	0	0.012	0.005	0.0117	42.897	-78.8821
4/1/2019 13:03	0	0	0	0.011	0.005	0.0098	42.897	-78.8821
4/1/2019 13:04	0	0	0	0.015	0.005	0.0103	42.897	-78.8821

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m ³)	TWA (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Latitude	Longitude
4/1/2019 13:05	0	0	0	0.008	0.005	0.0103	42.897	-78.8821
4/11/2019								
4/11/2019 12:00				-0.001	0	-0.0012		
4/11/2019 12:01				-0.002	0	-0.0012		
4/11/2019 12:02				0	0	-0.0012		
4/11/2019 12:03				-0.003	0	-0.0014		
4/11/2019 12:04				-0.003	0	-0.0015		
4/11/2019 12:05				0	0	-0.0013		
4/11/2019 12:06				-0.002	0	-0.0014		
4/11/2019 12:07				-0.002	0	-0.0018		
4/11/2019 12:08				-0.002	0	-0.0018		
4/11/2019 12:09				-0.002	0	-0.0019		
4/11/2019 12:10				-0.003	0	-0.0019		
4/11/2019 12:11				-0.001	0	-0.0018		
4/11/2019 12:12				-0.002	0	-0.0018		
4/11/2019 12:13				0	0	-0.0017		
4/11/2019 12:14				-0.001	0	-0.0016		
4/11/2019 12:15				-0.002	0	-0.0017		
4/11/2019 12:16				-0.001	0	-0.0016		
4/11/2019 12:17				-0.001	0	-0.0017		
4/11/2019 12:18				0	0	-0.0015		
4/11/2019 12:19				-0.001	0	-0.0013		
4/11/2019 12:20				-0.002	0	-0.0015		
4/11/2019 12:21				0	0	-0.0013		
4/11/2019 12:22				0	0	-0.0012		
4/11/2019 12:23				0	0	-0.0011		
4/11/2019 12:24				0	0	-0.0009		
4/11/2019 12:25				-0.001	0	-0.0008		
4/11/2019 12:26				-0.002	0	-0.0009		
4/11/2019 12:27				-0.001	0	-0.0008		
4/11/2019 12:28				0	0	-0.0008		
4/11/2019 12:29				-0.001	0	-0.0008		
4/11/2019 12:30				0	0	-0.0007		
4/11/2019 12:31				0	0	-0.0006		
4/11/2019 12:32				0	0	-0.0005		
4/11/2019 12:33				-0.001	0	-0.0006		
4/11/2019 12:34				-0.002	0	-0.0007		
4/11/2019 12:35				-0.002	0	-0.0007		
4/11/2019 12:36				-0.001	0	-0.0007		
4/11/2019 12:37				0	0	-0.0007		
4/11/2019 12:38				0	0	-0.0007		
4/11/2019 12:39				-0.001	0	-0.0008		
4/11/2019 12:40				0.001	0	-0.0007		
4/11/2019 12:41				0	0	-0.0005		
4/11/2019 12:43				-0.001	0	-0.0006		
4/11/2019 12:44				0	0	-0.0005		
4/11/2019 12:45				0	0	-0.0005		
4/11/2019 12:46				0	0	-0.0005		
4/11/2019 12:47				0	0	-0.0005		
4/11/2019 12:48				-0.001	0	-0.0005		
4/11/2019 12:49				0	0	-0.0004		
4/11/2019 12:50				-0.001	0	-0.0003		
4/11/2019 12:51				-0.002	0	-0.0004		
4/11/2019 12:52				0	0	-0.0004		
4/11/2019 12:53				-0.001	0	-0.0004		
4/11/2019 12:54				0	0	-0.0004		
4/11/2019 12:55				-0.001	0	-0.0005		
4/11/2019 12:56				-0.001	0	-0.0006		
4/11/2019 13:00				-0.001	0	-0.0007		
4/11/2019 13:01				-0.001	0	-0.0008		
4/11/2019 13:02				0	0	-0.0008		
4/11/2019 13:03				0	0	-0.0007		
4/11/2019 13:04				-0.001	0	-0.0008		
4/11/2019 13:05				0	0	-0.0007		
4/11/2019 13:06				0	0	-0.0005		
4/11/2019 13:07				0	0	-0.0005		

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m ³)	TWA (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Latitude	Longitude
4/11/2019 13:08				0	0	-0.0004		
4/11/2019 13:09				0	0	-0.0004		
4/11/2019 13:10				0	0	-0.0003		
4/11/2019 13:11				-0.001	0	-0.0003		
4/11/2019 13:12				-0.001	0	-0.0004		
4/11/2019 13:13				-0.002	0	-0.0005		
4/11/2019 13:14				-0.001	0	-0.0005		
4/11/2019 13:15				0	0	-0.0005		
4/11/2019 13:16				-0.001	0	-0.0005		
4/11/2019 13:17				0	0	-0.0005		
4/11/2019 13:18				-0.001	0	-0.0005		
4/11/2019 13:19				0	0	-0.0005		
4/11/2019 13:20				0	0	-0.0005		
4/11/2019 13:21				0	0	-0.0005		
4/11/2019 13:22				0	0	-0.0005		
4/11/2019 13:23				-0.001	0	-0.0005		
4/11/2019 13:24				-0.001	0	-0.0006		
4/11/2019 13:25				-0.001	0	-0.0007		
4/11/2019 13:26				0	0	-0.0006		
4/11/2019 13:27				0	0	-0.0005		
4/11/2019 13:28				0	0	-0.0004		
4/11/2019 13:29				0.004	0	-0.0001		
4/11/2019 13:30				0	0	-0.0001		
4/11/2019 13:31				0	0	0		
4/11/2019 13:32				0	0	0		
4/11/2019 13:33				0.001	0	0.0001		
4/11/2019 13:34				0.003	0	0.0003		
4/11/2019 13:35				0.003	0	0.0005		
4/11/2019 13:36				0.003	0	0.0007		
4/11/2019 13:37				0	0	0.0007		
4/11/2019 13:38				0	0	0.0008		
4/11/2019 13:39				0	0	0.0009		
4/11/2019 13:40				0	0	0.0009		
4/11/2019 13:41				0	0	0.0009		
4/11/2019 13:42				0	0	0.0009		
4/11/2019 13:43				0	0	0.0009		
4/11/2019 13:44				0	0	0.0007		
4/11/2019 13:45				0	0	0.0007		
4/11/2019 13:46				0	0	0.0007		
4/11/2019 13:47				0	0	0.0007		
4/11/2019 13:48				0	0	0.0006		
4/11/2019 13:49				0	0	0.0004		
4/11/2019 13:50				0	0	0.0002		
4/11/2019 13:51				0	0	0		
4/11/2019 13:52				0	0	0		
4/11/2019 13:53				-0.001	0	-0.0001		
4/11/2019 13:54				0	0	-0.0001		
4/11/2019 13:55				0	0	-0.0001		
4/11/2019 13:56				-0.001	0	-0.0001		
4/11/2019 13:57				0	0	-0.0001		
4/11/2019 13:58				-0.001	0	-0.0002		
4/11/2019 13:59				0	0	-0.0002		
4/11/2019 14:00				0	0	-0.0002		
4/11/2019 14:01				0	0	-0.0002		
4/11/2019 14:02				0	0	-0.0002		
4/11/2019 14:03				0	0	-0.0002		
4/11/2019 14:04				0	0	-0.0002		
4/11/2019 14:05				-0.001	0	-0.0003		
4/11/2019 14:06				-0.001	0	-0.0003		
4/11/2019 14:07				-0.001	0	-0.0004		
4/11/2019 14:08				-0.001	0	-0.0004		
4/11/2019 14:09				-0.002	0	-0.0005		
4/11/2019 14:10				-0.001	0	-0.0006		
4/11/2019 14:11				-0.002	0	-0.0007		
4/11/2019 14:12				0	0	-0.0007		
4/11/2019 14:13				-0.002	0	-0.0007		

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m ³)	TWA (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Latitude	Longitude
4/11/2019 14:14				-0.002	0	-0.0009		
4/11/2019 14:15				-0.002	0	-0.001		
4/11/2019 14:16				-0.002	0	-0.0011		
4/11/2019 14:17				-0.002	0	-0.0013		
4/11/2019 14:18				0	0	-0.0013		
4/11/2019 14:19				0	0	-0.0013		
4/11/2019 14:20				-0.001	0	-0.0013		
4/12/2019								
4/12/2019 7:09	0	0	0	0.006	0	0.006		
4/12/2019 7:10	0	0	0	0.004	0	0.005		
4/12/2019 7:11	0	0	0	0.002	0	0.004		
4/12/2019 7:12	0	0	0	0.022	0	0.0085		
4/12/2019 7:13	0	0	0	0.013	0	0.0094		
4/12/2019 7:14	0	0	0	0.011	0	0.0097		
4/12/2019 7:15	0	0	0	0.004	0	0.0089		
4/12/2019 7:16	0	0	0	0.003	0	0.0081		
4/12/2019 7:17	0	0	0	0.002	0	0.0074		
4/12/2019 7:18	0	0	0	0.006	0	0.0073		
4/12/2019 7:19	0	0	0	0.002	0	0.0068		
4/12/2019 7:20	0	0	0	0.003	0	0.0065		
4/12/2019 7:21	0	0	0	0.002	0	0.0062		
4/12/2019 7:22	0	0	0	0.002	0	0.0059		
4/12/2019 7:23	0	0	0	0.001	0	0.0055		
4/12/2019 7:24	0	0	0	0.001	0	0.0052		
4/12/2019 7:25	0	0	0	0.003	0	0.0051		
4/12/2019 7:26	0	0	0	0.002	0	0.0051		
4/12/2019 7:27	0	0	0	0.001	0	0.0037		
4/12/2019 7:28	0	0	0	0.002	0	0.003		
4/12/2019 7:29	0	0	0	0.004	0	0.0025		
4/12/2019 7:30	0	0	0	0.001	0	0.0023		
4/12/2019 7:31	0	0	0	0.002	0	0.0023		
4/12/2019 7:32	0	0	0	0.001	0	0.0022		
4/12/2019 7:33	0	0	0	0	0	0.0018		
4/12/2019 7:34	0	0	0	0.002	0	0.0018		
4/12/2019 7:35	0	0	0	0.002	0	0.0017		
4/12/2019 7:36	0	0	0	0.003	0	0.0018		
4/12/2019 7:37	0	0	0	0.002	0	0.0018		
4/12/2019 7:38	0	0	0	0.002	0	0.0019		
4/12/2019 7:39	0	0	0	0.003	0	0.002		
4/12/2019 7:40	0	0	0	0	0	0.0018		
4/12/2019 7:41	0	0	0	0.004	0	0.0019		
4/12/2019 7:42	0	0	0	0.003	0	0.0021		
4/12/2019 7:43	0	0	0	0.002	0	0.0021		
4/12/2019 7:44	0	0	0	0.001	0	0.0019		
4/12/2019 7:45	0	0	0	0	0	0.0018		
4/12/2019 7:46	0	0	0	0.003	0	0.0019		
4/12/2019 7:47	0	0	0	0.001	0	0.0019		
4/12/2019 7:48	0	0	0	0.001	0	0.0019		
4/12/2019 7:49	0	0	0	0.001	0	0.0019		
4/12/2019 7:50	0	0	0	0	0	0.0017		
4/12/2019 7:51	0	0	0	0	0	0.0015		
4/12/2019 7:52	0	0	0	0.011	0	0.0021		
4/12/2019 7:53	0	0	0	0.004	0	0.0023		
4/12/2019 7:54	0	0	0	0.009	0	0.0027		
4/12/2019 7:55	0	0	0	0	0	0.0027		
4/12/2019 7:56	0	0	0	0.001	0	0.0025		
4/12/2019 7:57	0	0	0	0.002	0	0.0024		
4/12/2019 7:58	0	0	0	0.004	0	0.0025		
4/12/2019 7:59	0	0	0	0.004	0	0.0027		
4/12/2019 8:00	0	0	0	0.005	0	0.0031		
4/12/2019 8:01	0	0	0	0.002	0	0.003		
4/12/2019 8:02	0	0	0	0.001	0	0.003		
4/12/2019 8:03	0	0	0	0.005	0	0.0033		
4/12/2019 8:04	0	0	0	0	0	0.0032		
4/12/2019 8:05	0	0	0	0	0	0.0032		
4/12/2019 8:06	0	0	0	0	0	0.0032		

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m ³)	TWA (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Latitude	Longitude
4/12/2019 8:07	0	0	0	0.002	0	0.0026		
4/12/2019 8:08	0	0	0	0	0	0.0023		
4/12/2019 8:09	0	0	0	0.002	0	0.0019		
4/12/2019 8:10	0	0	0	0	0	0.0019		
4/12/2019 8:11	0	0	0	0	0	0.0018		
4/12/2019 8:12	0	0	0	0	0	0.0017		
4/12/2019 8:13	0	0	0	0	0	0.0014		
4/12/2019 8:14	0	0	0	0	0	0.0011		
4/12/2019 8:15	0	0	0	0	0	0.0008		
4/12/2019 8:16	0	0	0	0	0	0.0007		
4/12/2019 8:17	0	0	0	0.011	0	0.0013		
4/12/2019 8:18	0	0	0	0.003	0	0.0012		
4/12/2019 8:19	0	0	0	0.002	0	0.0013		
4/12/2019 8:20	0	0	0	0	0	0.0013		
4/12/2019 8:21	0	0	0	0	0	0.0013		
4/12/2019 8:22	0	0	0	0.001	0	0.0013		
4/12/2019 8:23	0	0	0	0.003	0	0.0015		
4/12/2019 8:24	0	0	0	0.002	0	0.0015		
4/12/2019 8:25	0	0	0	0.003	0	0.0017		
4/12/2019 8:26	0	0	0	0	0	0.0017		
4/12/2019 8:27	0	0	0	0.005	0	0.002		
4/12/2019 8:28	0	0	0	0	0	0.002		
4/12/2019 8:29	0	0	0	0.001	0	0.0021		
4/12/2019 8:30	0	0	0	0.002	0	0.0022		
4/12/2019 8:31	0	0	0	0.003	0	0.0024		
4/12/2019 8:32	0	0	0	0.002	0	0.0018		
4/12/2019 8:33	0	0	0	0	0.001	0.0016		
4/12/2019 8:34	0	0	0	0	0.001	0.0015		
4/12/2019 8:35	0	0	0	0	0.001	0.0015		
4/12/2019 8:36								
4/12/2019 8:38	0	0	0	0.003	0.001	0.0016		
4/12/2019 8:39	0	0	0	0.001	0.001	0.0015		
4/12/2019 8:40	0	0	0	0.01	0.001	0.0021		
4/12/2019 8:41	0	0	0	0.002	0.001	0.0022		
4/12/2019 8:42	0	0	0	0	0.001	0.0018		
4/12/2019 8:43	0	0	0	0.002	0.001	0.002		
4/12/2019 8:44	0	0	0	0	0.001	0.0019		
4/12/2019 8:45	0	0	0	0	0.001	0.0018		
4/12/2019 8:46	0	0	0	0.005	0.001	0.0019		
4/12/2019 8:47	0	0	0	0	0.001	0.0018		
4/12/2019 8:48	0	0	0	0	0.001	0.0018		
4/12/2019 8:49	0	0	0	0	0.001	0.0018		
4/12/2019 8:50	0	0	0	0.005	0.001	0.0022		
4/12/2019 8:51	0	0	0	0	0.001	0.002		
4/12/2019 8:52	0	0	0	0	0.001	0.0019		
4/12/2019 8:53	0	0	0	0	0.001	0.0017		
4/12/2019 8:54	0	0	0	0.001	0.001	0.0017		
4/12/2019 8:55	0	0	0	0.063	0.001	0.0052		
4/12/2019 8:56	0	0	0	0	0.001	0.0051		
4/12/2019 8:57	0	0	0	0	0.001	0.0051		
4/12/2019 8:58	0	0	0	0	0.001	0.0049		
4/12/2019 8:59	0	0	0	0	0.001	0.0049		
4/12/2019 9:00	0	0	0	0	0.001	0.0049		
4/12/2019 9:01	0	0	0	0.01	0.001	0.0053		
4/12/2019 9:02	0	0	0	0.02	0.001	0.0066		
4/12/2019 9:03	0	0	0	0.001	0.001	0.0067		
4/12/2019 9:04	0	0	0	0.002	0.001	0.0068		
4/12/2019 9:05	0	0	0	0.008	0.001	0.007		
4/12/2019 9:06	0	0	0	0.099	0.001	0.0136		
4/12/2019 9:07	0	0	0	0.003	0.001	0.0138		
4/12/2019 9:08	0	0	0	0.007	0.001	0.0143		
4/12/2019 9:09	0	0	0	0.013	0.001	0.0151		
4/12/2019 9:10	0	0	0	0.016	0.001	0.0119		
4/12/2019 9:11	0	0	0	0.007	0.001	0.0124		
4/12/2019 9:12	0	0	0	0	0.001	0.0124		
4/12/2019 9:13	0	0	0	0.008	0.001	0.0129		

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m ³)	TWA (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Latitude	Longitude
4/12/2019 9:14	0	0	0	0	0.001	0.0129		
4/12/2019 9:15	0	0	0	0	0.001	0.0129		
4/12/2019 9:16	0	0	0	0	0.001	0.0123		
4/12/2019 9:17	0	0	0	0	0.001	0.0109		
4/12/2019 9:18	0	0	0	0.023	0.001	0.0124		
4/12/2019 9:19	0	0	0	0	0.001	0.0123		
4/12/2019 9:20	0	0	0	0	0.001	0.0117		
4/12/2019 9:21	0	0	0	0	0.001	0.0051		
4/12/2019 9:22	0	0	0	0	0.001	0.0049		
4/12/2019 9:23	0	0	0	0.005	0.001	0.0048		
4/12/2019 9:24	0	0	0	0.003	0.001	0.0041		
4/12/2019 9:25	0	0	0	0.034	0.001	0.0053		
4/12/2019 9:26	0	0	0	0.009	0.001	0.0055		
4/12/2019 9:27	0	0	0	0	0.001	0.0055		
4/12/2019 9:28	0	0	0	0.005	0.001	0.0053		
4/12/2019 9:29	0	0	0	-0.001	0.001	0.0052		
4/12/2019 9:30	0	0	0	0.007	0.001	0.0057		
4/12/2019 9:31	0	0	0	0.004	0.001	0.0059		
4/12/2019 9:32	0	0	0	0.006	0.001	0.0063		
4/12/2019 9:33	0	0	0	-0.001	0.001	0.0047		
4/12/2019 9:34	0	0	0	0	0.001	0.0047		
4/12/2019 9:35	0	0	0	0	0.001	0.0047		
4/12/2019 9:36	0	0	0	0	0.001	0.0047		
4/12/2019 9:37	0	0	0	0	0.001	0.0047		
4/12/2019 9:38	0	0	0	0	0.001	0.0044		
4/12/2019 9:39	0	0	0	0	0.001	0.0042		
4/12/2019 9:40	0	0	0	0	0.001	0.0019		
4/12/2019 9:41	0	0	0	0.097	0.001	0.0078		
4/12/2019 9:42	0	0	0	0	0.001	0.0078		
4/12/2019 9:43	0	0	0	-0.001	0.002	0.0074		
4/12/2019 9:44	0	0	0	-0.001	0.002	0.0074		
4/12/2019 9:45	0	0.001	0.0001	0	0.002	0.0069		
4/12/2019 9:46	0	0.002	0.0002	-0.002	0.002	0.0065		
4/12/2019 9:47	0	0.003	0.0004	0	0.002	0.0061		
4/12/2019 9:48	0	0.003	0.0006	-0.001	0.002	0.0061		
4/12/2019 9:49	0	0.005	0.0009	0	0.002	0.0061		
4/12/2019 9:50	0	0.006	0.0013	0.007	0.002	0.0066		
4/12/2019 9:51	0	0.007	0.0018	0	0.003	0.0066		
4/12/2019 9:52	0	0.007	0.0023	-0.001	0.003	0.0065		
4/12/2019 9:53	0	0.008	0.0028	-0.001	0.003	0.0065		
4/12/2019 9:54	0	0.01	0.0035	0	0.003	0.0065		
4/12/2019 9:55	0	0.009	0.0041	0	0.003	0.0065		
4/12/2019 9:56	0	0.011	0.0048	-0.002	0.003	-0.0001		
4/12/2019 9:57	0	0.01	0.0055	0	0.003	-0.0001		
4/12/2019 9:58	0	0.011	0.0062	0	0.003	-0.0001		
4/12/2019 9:59	0	0.01	0.0069	0	0.003	0		
4/12/2019 10:00	0	0.01	0.0075	0.003	0.003	0.0002		
4/12/2019 10:01	0	0.011	0.0081	0.012	0.003	0.0011		
4/12/2019 10:02	0	0.014	0.0088	0.007	0.003	0.0016		
4/12/2019 10:03	0	0.01	0.0093	-0.001	0.003	0.0016		
4/12/2019 10:04	0	0.01	0.0096	0.221	0.003	0.0163		
4/12/2019 10:05	0	0.01	0.0099	-0.003	0.003	0.0157		
4/12/2019 10:06	0	0.009	0.01	0	0.003	0.0157		
4/12/2019 10:07	0	0.01	0.0102	-0.001	0.003	0.0157		
4/12/2019 10:08	0	0.014	0.0106	-0.001	0.003	0.0157		
4/12/2019 10:09	0	0.015	0.0109	0.009	0.003	0.0163		
4/12/2019 10:10	0	0.014	0.0113	0	0.003	0.0163		
4/12/2019 10:11	0	0.015	0.0115	-0.001	0.003	0.0163		
4/12/2019 10:12	0	0	0.0109	0.014	0.003	0.0173		
4/12/2019 10:13	0	0	0.0101	-0.001	0.003	0.0172		
4/12/2019 10:14	0	0	0.0095	0	0	0.0172		
4/12/2019 10:15	0	0	0.0088	0.004	0	0.0173		
4/12/2019 10:16	0	0	0.0081	0	0	0.0165		
4/12/2019 10:17	0	0	0.0071	-0.001	0	0.0159		
4/12/2019 10:18	0	0	0.0065	-0.002	0	0.0159		
4/12/2019 10:19	0	0	0.0058	0	0	0.0011		

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m³)	TWA (mg/m³)	Mass Conc. Total (Avg15) (mg/m³)	Latitude	Longitude
4/12/2019 10:20	0	0	0.0051	0	0	0.0013		
4/12/2019 10:21	0	0	0.0045	-0.001	0	0.0013		
4/12/2019 10:22	0	0	0.0039	-0.001	0	0.0013		
4/12/2019 10:23	0	0	0.0029	-0.001	0	0.0013		
4/12/2019 10:24	0	0	0.0019	-0.002	0	0.0005		
4/12/2019 10:25	0	0	0.001	-0.002	0	0.0004		
4/12/2019 10:26	0	0	0	0	0	0.0005		
4/12/2019 10:27	0	0	0	-0.002	0	-0.0006		
4/12/2019 10:28	0	0.001	0.0001	1.21	0	0.0801		
4/12/2019 10:29	0	0	0.0001	0	0.001	0.0801		
4/12/2019 10:30	0	0	0.0001	0	0.001	0.0799		
4/12/2019 10:31	0	0	0.0001	-0.001	0.001	0.0798		
4/12/2019 10:32	0	0	0.0001	-0.002	0.001	0.0797		
4/12/2019 10:33	0	0	0.0001	-0.001	0.001	0.0798		
4/12/2019 10:34	0	0	0.0001	-0.001	0.001	0.0797		
4/12/2019 10:35	0	0	0.0001	-0.001	0.001	0.0797		
4/12/2019 10:36	0	0	0.0001	0	0.001	0.0797		
4/12/2019 10:37	0	0	0.0001	-0.001	0.001	0.0797		
4/12/2019 10:38	0	0	0.0001	-0.001	0.001	0.0797		
4/12/2019 10:39	0	0	0.0001	0.009	0.001	0.0805		
4/12/2019 10:40	0	0	0.0001	-0.002	0.001	0.0805		
4/12/2019 10:41	0	0	0.0001	-0.002	0.001	0.0803		
4/12/2019 10:42	0	0	0.0001	0	0.001	0.0805		
4/12/2019 10:43	0	0	0	-0.003	0.001	-0.0004		
4/12/2019 10:44	0	0	0	-0.002	0.001	-0.0005		
4/12/2019 10:45	0	0.002	0.0001	0.212	0.001	0.0136		
4/12/2019 10:46	0	0.002	0.0003	-0.001	0.001	0.0136		
4/12/2019 10:47	0	0.002	0.0004	0	0.001	0.0137		
4/12/2019 10:48	0	0.001	0.0005	-0.001	0.001	0.0137		
4/12/2019 10:49	0	0	0.0005	-0.001	0.001	0.0137		
4/12/2019 10:50	0	0	0.0005	-0.002	0.001	0.0137		
4/12/2019 10:51	0	0	0.0005	-0.002	0.001	0.0135		
4/12/2019 10:52	0	0	0.0005	-0.001	0.001	0.0135		
4/12/2019 10:53	0	0	0.0005	-0.002	0.001	0.0135		
4/12/2019 10:54	0	0	0.0005	-0.001	0.001	0.0128		
4/12/2019 10:55	0	0.001	0.0005	-0.002	0.001	0.0128		
4/12/2019 10:56	0	0	0.0005	0.001	0.001	0.013		
4/12/2019 10:57	0	0	0.0005	0	0.001	0.013		
4/12/2019 10:58	0	0	0.0005	-0.002	0.001	0.0131		
4/12/2019 10:59	0	0	0.0005	0	0.001	0.0132		
4/12/2019 11:00	0	0	0.0004	-0.002	0.001	-0.0011		
4/12/2019 11:01	0	0	0.0003	-0.002	0.001	-0.0011		
4/12/2019 11:02	0	0	0.0001	-0.001	0.001	-0.0012		
4/12/2019 11:03	0	0	0.0001	0	0.001	-0.0011		
4/12/2019 11:04	0	0	0.0001	-0.002	0.001	-0.0012		
4/12/2019 11:05	0	0	0.0001	-0.001	0.001	-0.0011		
4/12/2019 11:06	0	0	0.0001	-0.001	0.001	-0.0011		
4/12/2019 11:07	0	0	0.0001	-0.001	0.001	-0.0011		
4/12/2019 11:08	0	0	0.0001	-0.001	0.001	-0.001		
4/12/2019 11:09	0	0	0.0001	-0.001	0.001	-0.001		
4/12/2019 11:10	0	0	0	0	0.001	-0.0009		
4/12/2019 11:11	0	0	0	-0.002	0.001	-0.0011		
4/12/2019 11:12	0	0	0	0	0.001	-0.0011		
4/12/2019 11:13	0	0	0	-0.002	0.001	-0.0011		
4/12/2019 11:14	0	0	0	-0.002	0.001	-0.0012		
4/12/2019 11:15	0	0	0	0	0.001	-0.0011		
4/12/2019 11:16	0	0	0	-0.002	0.001	-0.0011		
4/12/2019 11:17	0	0	0	-0.001	0.001	-0.0011		
4/12/2019 11:18	0	0	0	-0.002	0.001	-0.0012		
4/12/2019 11:19	0	0	0	-0.001	0.001	-0.0011		
4/12/2019 11:20	0	0	0	0	0.001	-0.0011		
4/12/2019 11:21	0	0	0	0	0.001	-0.001		
4/12/2019 11:22	0	0	0	0.006	0.001	-0.0005		
4/12/2019 11:23	0	0	0	-0.001	0.001	-0.0005		
4/12/2019 11:24	0	0	0	-0.001	0.001	-0.0005		
4/12/2019 11:25	0	0	0	0	0.001	-0.0005		

Timestamp (GMT-4)	TWA (ppm)	VOC (ppm)	VOC (Avg15) (ppm)	Mass Conc. Total (mg/m³)	TWA (mg/m³)	Mass Conc. Total (Avg15) (mg/m³)	Latitude	Longitude
4/12/2019 11:26	0	0	0	-0.002	0.001	-0.0005		
4/12/2019 11:27	0	0	0	0.003	0.001	-0.0003		
4/12/2019 11:28	0	0	0	0.006	0.001	0.0002		
4/12/2019 11:29	0	0	0	-0.001	0.001	0.0003		
4/12/2019 11:30	0	0	0	-0.001	0.001	0.0002		
4/12/2019 11:31	0	0	0	0	0.001	0.0003		
4/12/2019 11:32	0	0	0	0.008	0.001	0.0009		
4/12/2019 11:33	0	0	0	0.022	0.001	0.0025		
4/12/2019 11:34	0	0	0	0	0.001	0.0026		
4/12/2019 11:35	0	0	0	0	0.001	0.0026		
4/12/2019 11:36	0	0	0	0	0.001	0.0026		
4/12/2019 11:37	0	0	0	0	0.001	0.0022		
4/12/2019 11:38	0	0	0	0	0.001	0.0023		
4/12/2019 11:39	0	0	0	0	0.001	0.0023		
4/12/2019 11:40	0	0	0	0	0.001	0.0023		
4/12/2019 11:41	0	0	0	0	0.001	0.0025		
4/12/2019 11:42	0	0	0	-0.001	0.001	0.0022		
4/12/2019 11:43	0	0	0	0	0.001	0.0018		
4/12/2019 11:44	0	0	0	0	0.001	0.0019		
4/12/2019 11:45	0	0	0	-0.001	0.001	0.0019		
4/12/2019 11:46	0	0	0	0.001	0.001	0.0019		
4/12/2019 11:47	0	0	0	-0.002	0.001	0.0013		
4/12/2019 11:48	0	0	0	-0.002	0.001	-0.0003		
4/12/2019 11:49	0	0	0	0	0.001	-0.0003		
4/12/2019 11:50	0	0	0	0.001	0.001	-0.0003		
4/12/2019 11:51	0	0	0	0.002	0.001	-0.0001		
4/12/2019 11:52	0	0.001	0.0001	0	0.001	-0.0001		
4/12/2019 11:53	0	0	0.0001	0	0.001	-0.0001		
4/12/2019 11:54	0	0	0.0001	0	0.001	-0.0001		
4/12/2019 11:55	0	0	0.0001	-0.001	0.001	-0.0002		
4/12/2019 11:56	0	0	0.0001	-0.002	0.001	-0.0003		
4/12/2019 11:57	0	0	0.0001	0	0.001	-0.0003		
4/12/2019 11:58	0	0	0.0001	0	0.001	-0.0003		
4/12/2019 11:59	0	0.007	0.0005	0	0.001	-0.0003		
4/12/2019 12:00	0	0	0.0005	0	0.001	-0.0002		

APPENDIX F

FIELD ACTIVITY DAILY LOGS

Location Campus West Date 4/11/19Project / Client Maryland St Buffalo

13:00 - Caroline w/ Benchmark crew,
collected 3 additional ~~soil~~ to represent
an additional 3000 tons. Sample to
be analyzed on quick TAT.

Hauled ~~out~~ a total of 49 loads
to LF today. ~~Stopped~~ ~~at~~ reached
limit of tonnage that can be sent
to Landfill.

Will wait for ~~some~~ results ~~to~~
to get approved before hauling additional
soils to land fill.

OFFICE 15:00

Location Campus West Date 4/11/19Project / Client Maryland St Buffalo

Cloudy 35°F winds calm

0830 onsite setup Camp Station
contractor Hauling Imported Soils
to Ensol LF. - 61 loads Hauled out

4/12/19 - 8th manifest at start of day

pt sunny - 55°F in winds calm

0645 onsite - setup Camp Station
contractor Excavating Fill material
which is 3-4' below existing
grade for off site disposal.

CCB on-site 11:00

|||||

continued to haul soil/fill to Ensol.

CAMP down at 12:00 due to snow/rain.

Off-site 3:00. 64 loads total.

4/13/19 - Rain/Snow 34°F

winds west 10-15 mph

no air monitor setup due to
rain/snow.

0700 - Caroline to excavate
fill for disposal to Ensol LF.

2nd manifest left for today

Begin stripping BUD soils for
offsite removal. BUD soils consist

of Red Brown clay.

Ret in the Rain.

Location Campus nest Date 4/16/19

Project / Client _____

30°F Sunny winds calm
2 → ~~100~~ RND

|||||

0645 Onsite.

Contractor loading "BUD" SOIL
FOR OFFSITE DELIVERY TO 1827Fillmore Ave site. 63 loads Haul today
to Fillmore

4/17/19 Sunny 45°F winds calm

Contractor continue to remove "BUD"
SOILS FOR DELIVERY TO 1827 Fillmore.Informed contractor ^{REPAIRING} to provide
Equip FOR Sweeping Road at 1827
FillmoreContractor loading skidsteer & brush to
TAKE TO 1827 Fillmore Ave

31 loads Hauled today to Fillmore

4/18/19 Pt cloudy 55°F in ^{-68°F at} wind S/SW 10-20 mph

0700 onsite - setup Camp Station

Contractor excavating impacted soils for
DISPOSAL TO ENSOL & E. Also excavating

BUD SOILS TO 1827 Fillmore Ave.

Location _____ Date _____

Project / Client _____

4/18/19 - 2 TRUCKS used to haul
~~100~~ BUD SOILS. & 2 TRUCKS
used to FUL SOILS going to the
LANDFILL.

NO OTHER WORK PERFORMED TODAY

17 LOADS TO LANDFILL

4/19/19 RAIN 54°F winds calm

Contractor loading the remaining
BUD SOIL FOR DELIVERY TO 1827
Fillmore Ave. 4 TRUCKS Hauling
today.~~complete~~
12:00 - complete BUD SOIL ~~RE~~ REMOVAL.