Notification Addendum to Excavation Work Plan:

New Warehouse Construction

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132 Dingens St. Site
Site No. C915263
Buffalo New York

March 2024

Prepared for:

132 Dingens St., LLC
Buffalo, New York

Prepared by:

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1. Introduction

This document presents the proposed scope of work and implementation procedures for intrusive activities in accordance with the New York State Department of Environmental Conservation (NYSDEC or Department) October 2016 Site Management Plan (SMP), updated in December 2020 (currently in draft form), for the 132 Dingens St. Site Brownfield Cleanup Program (BCP) Site No. C915263 (Ref. 1) located at 132-136 Dingens Street, Buffalo, New York (see Figure 1).

This excavation notification is being submitted in accordance with the Department-approved SMP. Appendix A includes the SMP Excavation Work Plan (EWP) prepared by Iyer Environmental Group, PLLC. The 60-Day Advance Notification of Site Change of Use was submitted to NYSDEC on December 14, 2023.

1.1 Background

The completed environmental remediation of the Site was undertaken by 132 Dingens St, LLC as a non-responsible party (Volunteer) under the NYSDEC's BCP. Environmental investigations found that the Site had been contaminated by semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and select Resource Conservation and Recovery Act (RCRA) metals (arsenic, lead, and mercury) and cleanup efforts were completed at the Site in 2015-2016. After review and approval of the Final Engineering Report (FER; Ref. 2) and implementation of the SMP, NYSDEC issued a Certificate of Completion (COC) on December 20, 2016 to 132 Dingens St, LLC. Following construction of a new garage in 2020, 132 Dingens St., LLC submitted a draft update to the SMP in December 2020. 132 Dingens St., LLC is in the process of updating the SMP Errata to cover construction of Tenant Warehouses #1 and #2 and will submit an update to the SMP Errata upon completion of Construction Warehouse #2 described below.

1.2 Purpose

The purpose of this Notification Addendum to Excavation Work Plan (EWP) is to notify the Department of planned intrusive activities related to the new warehouse construction that may result in exposure to remaining contamination on-site. This EWP has been prepared in accordance with the May 2010 NYSDEC DER-10 (Ref. 3), October 2016 SMP, and December 22, 2020 SMP update. Intrusive activities will comply with the EWP included with the SMP and Occupational Safety and Health Standards contained at 29CFR 1910.120. An SMP Errata to address construction of Tenant Warehouses #1 and #2 and Construction Warehouse #2 will be submitted upon completion of Construction Warehouse #2.

1.3 Project Schedule

The following is a tentative project schedule:

- **December 2023**: Geotechnical Investigation and waste characterization sampling.
- **March-April 2024:** Excavation and backfill for utilities (water and sewer lines) and building foundations.
- **April-May 2024:** Building foundation construction and cast in place concrete floor slab.
- **May-July 2024:** Erection of structure.
- **July-September 2024:** Completion of exterior asphalt and concrete, cover system restoration, and interior building construction.

- **October-November 2024:** Preparation of the Construction Closeout Report (CCR) and SMP Errata Update**.**

2. Site Description

2.1 General

The Site is located at 132-136 Dingens Street in the City of Buffalo, Erie County, New York and identified as Section 112.19, Block 1, and Lot 14.11 on the City of Buffalo Tax Map. The irregular shaped approximate 13.22-acre Site is bordered by UPS ground terminal and Feedmore WNY to the north; Dingens Street to the south; Niagara Tying Service, 97 Rock radio broadcaster, and Otis Bed Manufacturing to the east; and warehouses owned by Buffalo News, Family Help Center, Bison Scaffold/Mason's Supply Company, and FPPF Chemical Company to the west. The Site is zoned commercial/light industrial and consists of an 80,000 square-foot (SF) commercial building (Tenant Warehouse #1), an 81,000 SF commercial building (Tenant Warehouse #2), a two-story office building, a 12,000 SF storage garage, and a 1,600 SF fabric structure. Most of the remaining land area is covered with asphalt/concrete/stone with small areas of vegetation (see Figure 2). 132 Dingens St, LLC leases the office building to Pinto Construction Services (Pinto CS) and a large portion of the paved area to Unicell for temporarily parking of new vehicles. The northwestern portion of the property is leased to First Student Bus Services for employee parking.

This project will include the construction of a new 10,000 SF construction warehouse (Construction Warehouse #2) on the western end of the property (see Figure 2).

2.2 Site History

Historically, the Site and its surrounding areas contained numerous rail lines and yards dating back to 1917. 132 Dingens St, LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC on June 12, 2012 to investigate and remediate the Site. 132 Dingens St, LLC entered the BCP in June 2012 and subsequently investigated and remediated the Site under the oversight of NYSDEC in 2015. The SMP was approved by the NYSDEC, and the COC was issued in December 2016. A draft update to the SMP was submitted to NYSDEC on December 22, 2020 associated with the construction of the 12,000 SF storage garage and 1,600 SF fabric structure. An SMP Errata will be prepared upon completion of Construction Warehouse #2.

2.3 Summary of Remedial Actions

Previous environmental investigations identified the presence of SVOCs, PCBs and select heavy metals typically associated with industrial fill material. Remedial activities completed by 132 Dingens St. LLC commenced in 2015 and were completed in 2016. The Site was remediated in accordance with the July 2015 RAWP (Ref. 4). A total of 2,033 cubic yards of contaminated soil/industrial fill was excavated and disposed off-site at a permitted solid waste facility. Some of this excavated soil was treated on-site with cement to stabilize its lead content before disposal as non-hazardous waste. A total of 11,782 cubic yards of clean off-site fill meeting the requirements of 6NYCRR Part 375-6.7(d) was imported for use as backfill for the excavations. A cover system was required to allow for commercial use of the Site, preventing human exposure to remaining contamination. The cover system consists of asphalt, concrete, gravel, floor slab, building foundation, and one foot of soil cover in areas where the upper one foot of exposed surface soil exceeded the applicable soil cleanup objectives (SCOs). The cover system was placed over a demarcation layer of Geotextile fabric to distinguish it from the industrial/urban fill or clean fill used to establish the required grade. An Environmental Easement was granted May 2, 2016 and recorded with the Erie County

Clerk to restrict land use to commercial operations and prevent future exposure to any contamination remaining on-site.

2.3.1 Remaining Contamination

The Site was remediated to address SVOCs, PCBs, arsenic, lead, and mercury, and achieved a Track 4 Commercial Use Cleanup, which is consistent with the intended use of the Site. Residual contamination remaining at the Site includes soil/fill located beneath the cover system site-wide, though potential exposure is mitigated due to the depth of the contaminant, completion of the remedial activities, and placement of a Site cover system. Based on the planned location, depth of building foundations and utilities excavations, it is likely that redevelopment activities will encounter remaining contamination beneath the cover system during these shallow excavation activities. The 2016 SMP and 2020 draft SMP update will be followed during these intrusive redevelopment activities.

3. Redevelopment Activities

A portion of the BCP Site will be redeveloped to include construction of an approximately 10,000 square foot Construction Warehouse #2 on the western portion of the property. Roux Environmental Engineering and Geology, D.P.C. (Roux) will provide construction oversight and monitoring. Pinto CS will be the Site contractor performing the intrusive work and repairing the cover system.

3.1 Site Preparation

3.1.1 Utility Clearance

Pinto CS will contact Dig Safely New York (Call 811) a minimum of three business days in advance of the excavation work at the Site.

3.1.2 City of Buffalo Permits

Pinto CS will acquire the necessary City of Buffalo building permits prior to initiating the work.

3.2 Waste Characterization

Soil/fill waste characterization samples were collected December 28, 2023 and analyzed by Paradigm Environmental Services, Inc. for the full list of waste characterization parameters. Pinto CS submitted the data to Republic Services, Inc. on January 22, 2024 with a request to extend the approval date of Waste Profile #42151911668 and increase the total quantity by 2,000 tons. On January 24, 2024, Pinto CS received approval from Republic Services to dispose an additional 2,000 tons of soil at the Allied Waste Niagara Falls sanitary landfill for use of the material as alternate daily cover through the end of 2024. Appendix B includes the application, analytical data, and approvals.

3.3 Excavation Activities

Planned excavations related to building foundations are expected to reach a depth of approximately 4 feet below ground surface (fbgs). The planned utility installation method is via directional boring with a bentonite-based drilling mud. The cuttings will be drummed and disposed with any excavated material generated during construction. Additionally, the abandoned railroad spur shown on Drawing C-101 in Appendix C will be removed and disposed off-site. Roux will perform soil/fill screening via visual, olfactory and photoionization detector (PID) and perform the air monitoring described in Section 4.2. Soil/fill that is geotechnically suitable with no impacts observed using the screening methods above will be used on top of the existing asphalt. Appendix B includes the NYSDEC approval email to re-use non-impacted soil/fill on-site. Soil/fill that is not geotechnically suitable and/or exhibits evidence of impact will be directly loaded to dump trucks or roll off containers for transportation to the landfill. Appendix C includes the design drawings showing Construction Warehouse #2 where subsurface excavation will be completed and utility layout.

3.3.1 Water Management

Should non-impacted groundwater be encountered during intrusive activities, it will be discharged directly to grade (grassed or stone areas), away from property lines as approved by the NYSDEC on October 5, 2022 (see Appendix B). Should impacted groundwater be encountered, it will be pumped from the excavation, placed in 55-gallon drums, and characterized for off-site disposal.

3.4 Backfill Materials

In addition to the soil/fill and groundwater samples described above, field-specific quality assurance/quality control (QA/QC) samples will be collected and analyzed to ensure the reliability of the generated data as described in the QAPP (see Section 5.0) and to support the required third-party data usability assessment effort. Site-specific QA/QC samples will include matrix spikes, matrix spike duplicates, blind duplicates, and trip blanks.

3.4.1 On-Site Reuse

"Reuse on-site" means reuse on-site of material that originates at the Site and does not leave the Site during excavation. The criteria under which soil/fill originating on-site may be reused on-site are presented below.

- **Clean Cover Material:** Approved cover material above the demarcation layer will be removed and stockpiled on-site. Cover material will be reused, as needed, for backfill and/or cover system restoration above demarcation layer.
- **Non-Impacted Soil/Fill:** Soil/fill that is geotechnically suitable with no observed impacts will be removed and stockpiled on-site. Soil/fill will be placed beneath a demarcation layer and cover system.

3.4.2 Imported Backfill

Imported soil backfill from an off-site source must meet the commercial use criteria as presented in Appendix 5-Allowable Constituent Levels for Imported Fill or Soil in DER-10 and the November 2022 NYSDEC Part 375 Remedial Programs Sampling, Analysis, and Assessment of per- and polyfluoroalkyl substances (PFAS). Imported material will also meet the following criteria:

- Off-site soil/fill will originate from known sources having no evidence of disposal or releases of hazardous substances, hazardous, toxic, or radioactive wastes, or petroleum.
- No off-site materials meeting the definition of a solid waste as defined in 6NYCRR, Part 360-1.2(a) shall be used as backfill.

All materials proposed for import onto the Site will be approved by a Qualified Environmental Professional and in compliance with provisions in the SMP prior to receipt at the Site. Request to Import/Reuse Fill or Soil forms will be prepared and submitted to the NYSDEC Project Manager allowing a minimum of five business days for review.

3.5 Non-Reusable Material

Excavated material from beneath the demarcation layer that exhibits evidence of impact or is not geotechnically suitable will be used as alternate daily cover at the Allied Waste Niagara Falls Landfill located in Niagara Falls, New York under Waste Profile #42151911668. Existing concrete removed during the work will be sent to Swift River Associates for recycling after ensuring underlying soil/fill is not comingled. Asphalt millings will be sent to Swift River or an approved commercial property for reuse. Landfill disposal and recycling documents will be provided to the Department in the CCR.

3.6 Site Restoration

The cover system will be restored by Pinto CS to pre-construction conditions once the building and utilities have been installed. Figure 2 provides current cover system details.

4. Excavation Work Plan Support Documents

A copy of this EWP will be located on-site during intrusive activities.

4.1 Health and Safety Protocols

The Health and Safety Plan (HASP), Appendix H of the SMP, includes the following site-specific information:

- Hazard assessment and risk analysis.
- Training requirements.
- Definition of exclusion, decontamination, and other work zones.
- Monitoring procedures for site operations.
- Safety procedures.
- Personal protective clothing and equipment requirements for various field operations.
- Disposal and decontamination procedures.
- Emergency response and contingency planning.

4.2 Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) was prepared as part of the approved SMP for the Site. The CAMP describes the required particulate and vapor monitoring to protect the neighboring community and environment during intrusive activities (see Appendix H-2 of the HASP). Roux will perform the required monitoring during intrusive activities.

5. Reporting

During and upon completion of the redevelopment activities, Roux will prepare the following reports.

5.1 Construction Monitoring

Standard daily reporting procedures will include preparation of a daily report and, when appropriate, problem identification and corrective measures reports. Information that may be included on the daily report includes:

- Processes and locations of construction under way.
- Equipment and personnel working in the area, including subcontractors.
- Number and type of truckloads of soil/fill removed from the Site.
- A description of off-site materials imported to the Site.

The completed reports will be included as part of the CCR. The NYSDEC will be promptly notified of problems requiring modifications to this Work Plan prior to proceeding or completing the construction item. Photo documentation of the intrusive activities will be prepared by Roux throughout the duration of the project as necessary to convey typical work activities and whenever changed conditions or special circumstances arise.

5.2 Construction Closeout Report

A summary of construction activities subject to the EWP will be detailed in the CCR submitted to the NYSDEC. The CCR will include:

- A Site or area planimetric map showing the parcel.
- A figure showing construction activities.
- Summaries of unit quantities including volume of soil/fill excavated, disposition of excavated soil/fill, and volume/type/source of backfill.
- New as-built drawings showing hardscapes (building, pavement, sidewalks, etc.) and documentation showing at least one foot of clean soil cover in non-hardscaped areas, if any.
- Text describing that construction activities were performed in accordance with this Work Plan.

5.3 Site Management Plan Update

A summary of Tenant Warehouses #1 and #2 and Construction Warehouse #2 details will be incorporated into the SMP Errata upon completion of construction activities. The SMP Errata update will include:

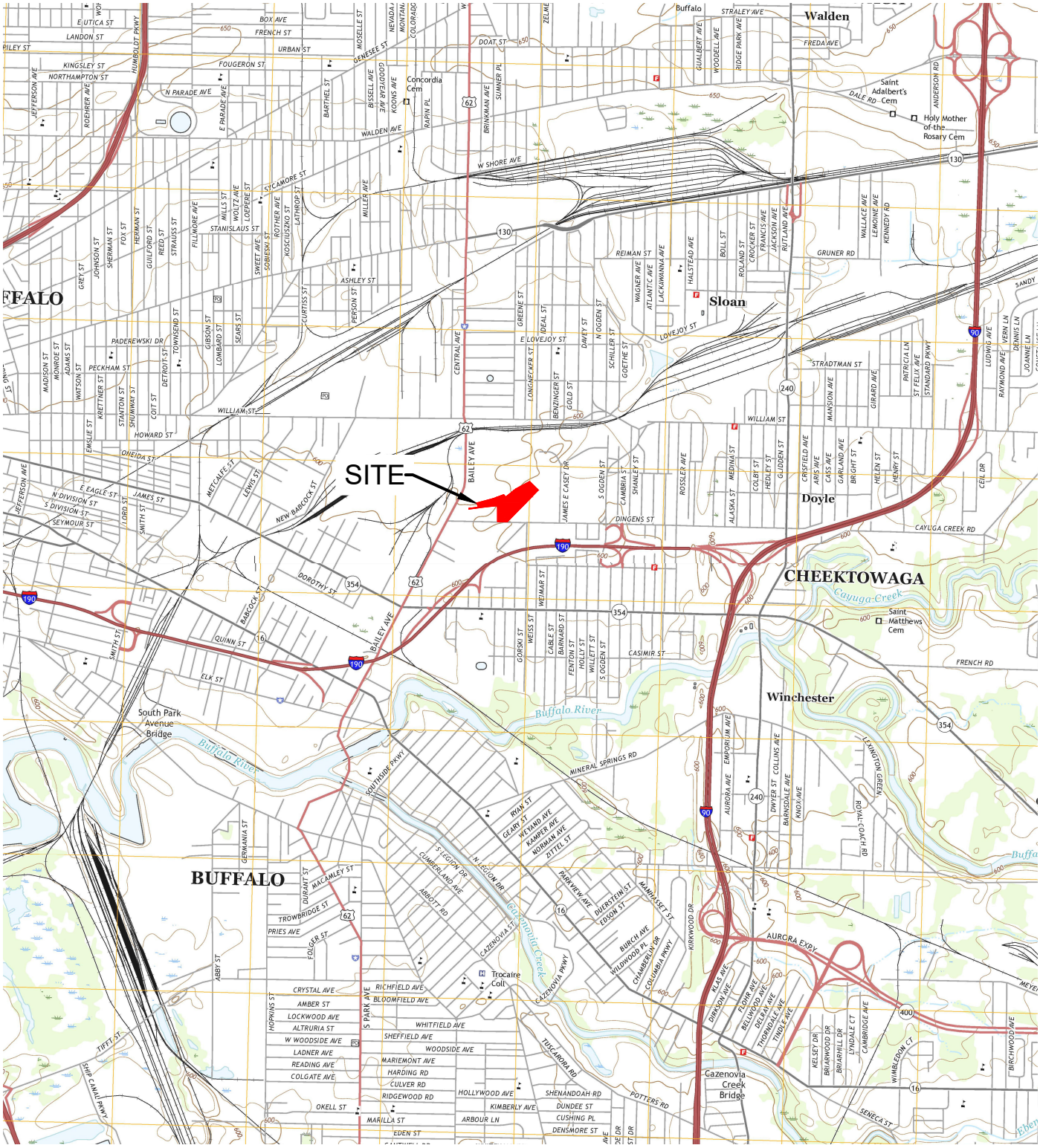
- A summary of all construction details and new cover systems related to the three new warehouses.
- New as-built drawings showing hardscapes (building, pavement, sidewalks, etc.) and documentation showing at least one foot of clean soil cover in non-hardscaped areas, if any.

6. References

1. Iyer Environmental Group, PLLC. *Site Management Plan, 132 Dingens St. Site, Erie County, Buffalo, NY, NYSDEC Site Number C915263*. July 2016 (Revised October 2016); draft update December 2020.
2. Iyer Environmental Group, PLLC. *Final Engineering Report, 132 Dingens St. Site, Erie County, Buffalo, NY, NYSDEC Site Number C915263*. October 2016.
3. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation.* May 2010.
4. Iyer Environmental Group, PLLC. *Remedial Action Work Plan, 132 Dingens St., Buffalo, NY, Site #C915263.* July 2015.

FIGURES

1. Site Location and Vicinity Map
2. Current Site Conditions



BASE MAP USGS QUADRANGLE MAPS BUFFALO SOUTHEAST AND BUFFALO NORTHEAST DATED 2016

Title:

SITE LOCATION & VICINITY MAP

NOTIFICATION ADDENDUM TO EXCAVATION WORK PLAN

132 DINGENS STREET SITE
SITE NO. C915263
BUFFALO, NEW YORK

Prepared for:

132 DINGENS ST, LLC

ROUX

Compiled by: RFL	Date: JANUARY 2024	FIGURE
Prepared by: RFL	Scale: AS SHOWN	
Project Mgr: LER	Project: 4287.0002B002 Phase 01	1
File: FIGURE 1; SITE LOCATION & VICINITY MAPROUX.DWG		

F:\CAD\BENCHMARK\P\INTO CONSTRUCTION\132 DINGENS ST. SITE\2024 EWP\FIGURE 1; SITE LOCATION & VICINITY MAPROUX.DWG

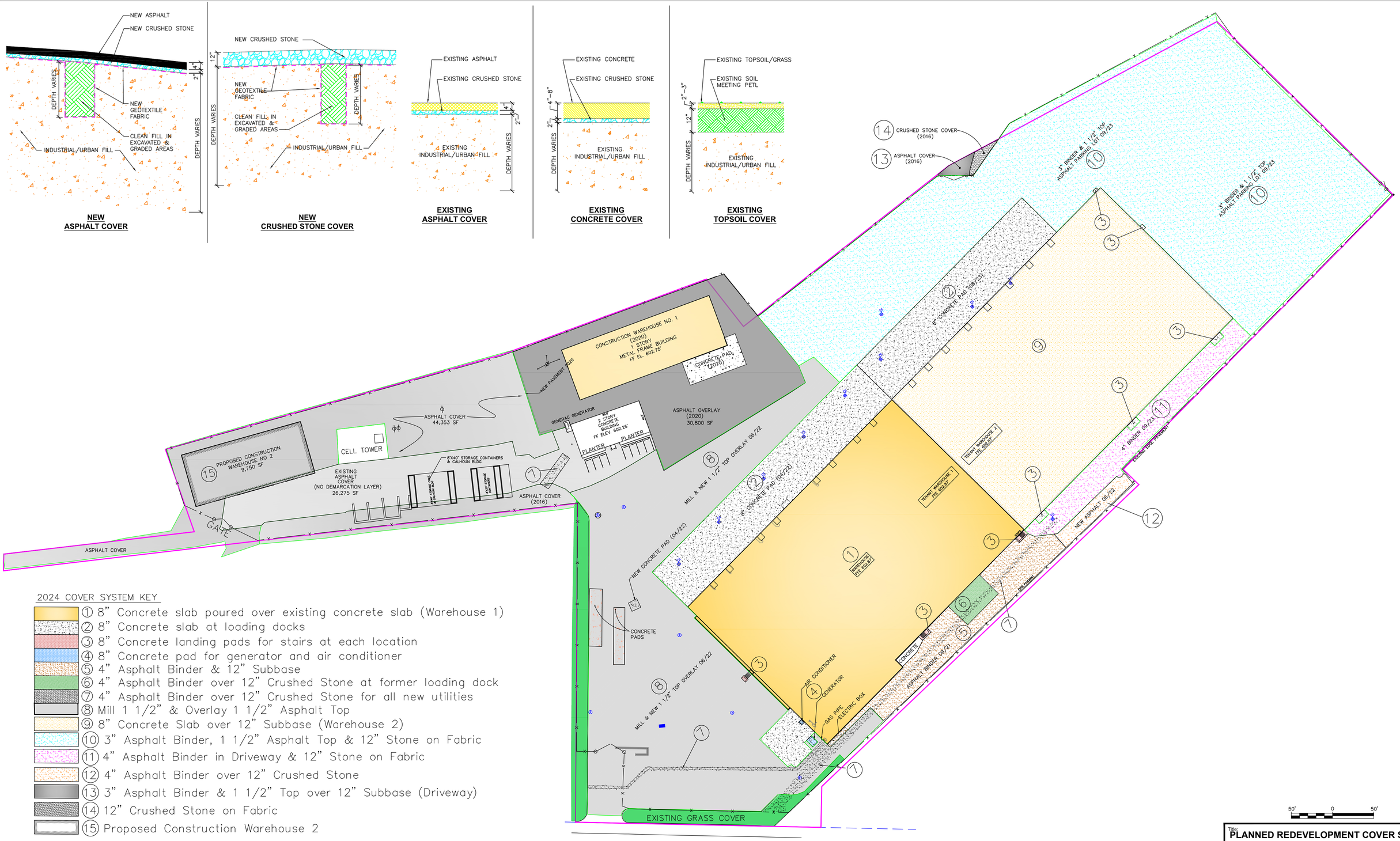
NEW ASPHALT COVER

NEW CRUSHED STONE COVER

EXISTING ASPHALT COVER

EXISTING CONCRETE COVER

EXISTING TOPSOIL COVER



2024 COVER SYSTEM KEY

- ① 8" Concrete slab poured over existing concrete slab (Warehouse 1)
- ② 8" Concrete slab at loading docks
- ③ 8" Concrete landing pads for stairs at each location
- ④ 8" Concrete pad for generator and air conditioner
- ⑤ 4" Asphalt Binder & 12" Subbase
- ⑥ 4" Asphalt Binder over 12" Crushed Stone at former loading dock
- ⑦ 4" Asphalt Binder over 12" Crushed Stone for all new utilities
- ⑧ Mill 1 1/2" & Overlay 1 1/2" Asphalt Top
- ⑨ 8" Concrete Slab over 12" Subbase (Warehouse 2)
- ⑩ 3" Asphalt Binder, 1 1/2" Asphalt Top & 12" Stone on Fabric
- ⑪ 4" Asphalt Binder in Driveway & 12" Stone on Fabric
- ⑫ 4" Asphalt Binder over 12" Crushed Stone
- ⑬ 3" Asphalt Binder & 1 1/2" Top over 12" Subbase (Driveway)
- ⑭ 12" Crushed Stone on Fabric
- ⑮ Proposed Construction Warehouse 2

50' 0 50'

N

Title:
PLANNED REDEVELOPMENT COVER SYSTEM NOTIFICATION ADDENDUM TO EXCAVATION WORK PLAN
132 DINGENS ST. SITE
BCP SITE NO C915263
BUFFALO, NEW YORK

Prepared for:
132 DINGENS ST. LLC

ROUX

Compiled by: RFL	Date: MARCH 2024	PLATE
Prepared by: PINTO	Scale: AS SHOWN	2
Project Mgr: LER	Project: 4287.0002B002	
File: FIGURE 2 REDEVELOPMENT AS-BUILT DRAWINGMAY_2024.DWG		

F:\CAD\BROWNFIELD CONSTRUCTION\132 DINGENS ST, BUFFALO, NEW\FIGURE 2, REDEVELOPMENT AS-BUILT DRAWINGMAY_2024.DWG

APPENDICES

A. SMP Appendix C – Excavation Work Plan

B. Approvals

C. Design Drawings

APPENDIX A

SMP Appendix C – Excavation Work Plan

SMP
132 DINGENS ST. SITE

APPENDIX C
EXCAVATION WORK PLAN

Appendix C
132 DINGENS ST. BCP SITE
EXCAVATION PLAN

1. NOTIFICATION

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

TABLE 1: NOTIFICATIONS*

NAME	PHONE/EMAIL ADDRESS
Central Office NYSDEC Representative	TBD
Regional Office NYSDEC Representative	Jaspal Walia (716)851-7220 jaspal.walia@dec.ny.gov
NYSDEC Site Control	TBD

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

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in Appendix F of this SMP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

During development of the site, the Department will be provided with monthly reports. The monthly reports will address handling of any excavated fill and maintenance of the cover system.

2. SOIL SCREENING METHODS

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed by a qualified environmental professional during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal (all industrial/urban fill) and material (underlying native clay, silt, sand) that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. All excavated industrial/urban fill will be properly tested and disposed off-site. Further discussion of off-site disposal of materials and on-site reuse is provided in Sections 6 and 7 of this Appendix.

3. SOIL STAGING METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points. Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

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

4. MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

Excavated materials may require testing for confirmation and off-site disposal. Pre-characterization of soil in the target excavation areas for landfill parameters may minimize material handling. The sampling frequency and analytical will be as required by the landfill for acceptance. Appendix I provides a field sampling plan and Appendix J provides analytical QA/QC requirements.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

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

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

5. MATERIALS TRANSPORT OFF-SITE

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

Truck transport route will depend on the landfill accepting the waste material. All trucks loaded with site materials will exit the vicinity of the site using only approved truck routes. The most appropriate route will be used taking into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Material transported by trucks exiting the site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project site. Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

6. MATERIALS DISPOSAL OFF-SITE

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

Industrial/fill, soil and other contaminated materials excavated at this site will be disposed off-site and are not expected to be reused at the site.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.
Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

7. MATERIALS REUSE ON-SITE

The qualified environmental professional will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material does not remain on-site. Reuse of contaminated on-site material, including historic fill and contaminated soil, is not anticipated at this site. If acceptable for reuse on-site, such material will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

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

8. FLUIDS MANAGEMENT

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

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

9. COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the excavation will be backfilled with clean off-site fill meeting DER-10 requirements. The cover system will then be restored in a manner that complies with the Decision Document and the SMP. The new cover system may be crushed stone, asphalt or concrete pavement, clean soil covered sidewalk or concrete. These cover systems are illustrated on Figure 6A of the SMP.

The demarcation layer, consisting of geotextile fabric, will be replaced to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP. If the type of cover system changes from that which exists prior to the excavation, this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface and an updated site layout drawing will be included in the subsequent Periodic Review Report and in an updated SMP.

10. BACKFILL FROM OFF-SITE SOURCES

Only pre-tested clean material (e.g. clean soil, crushed stone) from known sources will be imported for use as backfill at this site. A background check will be performed on the source area and the source facility's DOT certificate will be obtained where available. The sampling frequency and analytical parameters for source area materials will follow the NYSDEC's DER-10 guidance document. Imported soil will meet DER-10 requirements for acceptance at a BCP site.

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

project manager allowing a minimum of 5 business days for review. Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the site.

Imported material will be stockpiled, if necessary, at the site only over a clean ground surface free of potential contamination. An HDPE liner will first be placed over the ground surface before soil placement. The stockpile will be covered with HDPE liner and secured around the perimeter with erosion control to prevent runoff through the stockpile.
All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

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

11. STORMWATER POLLUTION PREVENTION

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area. All undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

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

12. EXCAVATION CONTINGENCY PLAN

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

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

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

13. COMMUNITY AIR MONITORING PLAN

Ambient air quality monitoring will follow the NYSDOH's Community Air Monitoring Plan., This will include real time air monitoring for particulates during intrusive activities, and contingency measures for addressing situations during excavation activities where dust levels exceed background levels. The locations of air sampling stations will be specific to the type of excavation activity (utilities, foundation, etc.) and based on generally prevailing wind conditions. The locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations. No sensitive receptors have been identified in the immediate vicinity of the site.

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

14. ODOR CONTROL PLAN

No nuisance odors were observed or reported during intrusive remediation work at this site, and no significant odors are associated with the industrial/urban fill. Regardless, if nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

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

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

15. DUST CONTROL PLAN

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

- Dust suppression will be achieved through the use of a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.

- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.

- Gravel will be used on roadways to provide a clean and dust-free road surface.

- On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

16. OTHER NUISANCES

A plan for rodent control, if warranted, will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work. A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

17. REPORTING

All intrusive work performed during site development and pursuant to this Excavation Plan will be reported with the following information:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting activities;
- Detailed description of work performed, including location and areal extent of excavation, site re-grading, intrusive elements or utilities installed below the soil cover, estimated volumes of contaminated soil excavated and any work that may impact the engineering control;
- A summary of environmental conditions encountered in work areas, including the nature and concentration levels of contaminants of concern, and any pre-construction sampling;
- Description of the cover system replaced/repaired.
- Disposal facilities for generated waste streams, along with all test results for landfill parameters and landfill approval letter;
- Sources of any backfill, along with all chemical testing results.
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);

APPENDIX B

Approvals

From:	Lori E. Riker
To:	Jim Panepinto
Cc:	rbroomfield@pintocs.com
Subject:	FW: 132 Dingens Street Site
Date:	Wednesday, October 05, 2022 9:11:00 AM
Attachments:	image001.png image002.png image003.png image004.png

Good Morning Jim,

See below for DEC's approval of the items listed in your 9/29/2022 email. We will include these in the Notification Addendum to Excavation Work Plan which will be required for this construction.

Thanks,
Lori

Lori E. Riker, P.E.
Sr. Project Manager
lriker@bm-tk.com

Benchmark Civil/Environmental Engineering & Geology, PLLC
TurnKey Environmental Restoration, LLC
www.benchmarkturnkey.com
2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218
Phone: (716) 856-0599, *Mobile:* (716) 474-7510, *Facsimile:* (716) 856-0583

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---

From: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Sent: Wednesday, October 05, 2022 8:04 AM
To: Lori E. Riker <lriker@bm-tk.com>
Subject: RE: 132 Dingens Street Site

Lori –

Thank you for the clarifications. Please proceed as noted below.

Sincerely,

Megan Kuczka
she/her/hers
Environmental Program Specialist 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226 | Megan.Kuczka@dec.ny.gov
www.dec.ny.gov |

NEW YORK STATE | Department of Environmental Conservation

From: Lori E. Riker <lriker@bm-tk.com>
Sent: Tuesday, October 4, 2022 4:44 PM
To: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Subject: RE: 132 Dingens Street Site

Hi Megan,

No additional sampling beyond what the landfill would require (if they need to extend their approval). This is the same as our July 13, 2021 request to reuse non-impacted soil/fill, which you approved on July 13 once we clarified that they won't use the soil to backfill utility trenches.

They would like to discharge to the ground (grass or stone area) not the sewer.

Thanks,
Lori

Lori E. Riker, P.E.
Sr. Project Manager
lriker@bm-tk.com

Benchmark Civil/Environmental Engineering & Geology, PLLC
TurnKey Environmental Restoration, LLC
www.benchmarkturnkey.com
2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218
Phone: (716) 856-0599, *Mobile:* (716) 474-7510, *Facsimile:* (716) 856-0583

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From: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Sent: Tuesday, October 04, 2022 8:15 AM
To: Lori E. Riker <lriker@bm-tk.com>
Subject: RE: 132 Dingens Street Site

Lori –

I have two follow-up questions. First, is the soil/fill going to be sampled prior to reuse? And is the water going to only discharged to the ground or will it be pumped into a sewer?

Thanks in advance,

Megan Kuczka
she/her/hers
Environmental Program Specialist 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226 | Megan.Kuczka@dec.ny.gov
www.dec.ny.gov | | |

NEW YORK STATE | Department of Environmental Conservation

From: Lori E. Riker <lriker@bm-tk.com>
Sent: Monday, October 3, 2022 4:25 PM
To: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Subject: 132 Dingens Street Site

Hi Megan,

We will be preparing a Notification Addendum to EWP for the second warehouse to be constructed next year. However, the client would like to know up front if the Department would allow the following:

1. Use geotechnically suitable, non-impacted on-site soil/fill excavated during construction to fill beneath the new floor slab. The new slab will be 2-4 feet above the current grade. They would use this fill on top of the existing asphalt followed by a demarcation layer, 12 inches of imported select fill, and an 8" thick concrete slab. This would reduce the amount of soil/fill to be disposed off-site and the amount of select fill being imported.
2. Can non-impacted (no odor or visual impacts) water encountered during utility installation (either groundwater or precipitation collected in trench) be discharged directly to grade away from property lines? Per the SMP, dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, and will be managed off-site, unless prior approval is obtained from NYSDEC. No groundwater remediation was required for this Site.

Thank you,
Lori

Lori E. Riker, P.E.
Sr. Project Manager
lriker@bm-tk.com

Benchmark Civil/Environmental Engineering & Geology, PLLC

From: Kuczka, Megan E (DEC)
To: Lori Riker
Subject: RE: 132 Dingens St - Question on Utility Installation Method
Date: Wednesday, February 7, 2024 7:42:28 AM
Attachments: image002.png
image004.png
image005.png
image006.png
image007.png
image008.png

This message originated outside your organization. Please use caution!

Lori –

I see no issue with this installation method.

Thanks for checking,

Megan Kuczka
she/her/hers
Environmental Program Specialist 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226 | Megan.Kuczka@dec.ny.gov
www.dec.ny.gov | | |
NEW YORK STATE | Department of Environmental Conservation

From: Lori Riker <lriker@rouxinc.com>
Sent: Tuesday, February 6, 2024 11:47 AM
To: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Subject: 132 Dingens St - Question on Utility Installation Method

Hi Megan,

Pinto plans to install the utilities for this new building using directional boring with a bentonite-based drilling mud. They plan to drum the cuttings and dispose with any excavated material generated during construction.

We will incorporate this into the EWP, but I wanted to run it by you first.

Thanks,
Lori

Lori Riker, P.E. - NY | Principal Engineer
2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218
Main: (716) 856-0599 | Direct: (716) 725-6963 | Mobile: (716) 474-7510
Email: lriker@rouxinc.com | Website: www.rouxinc.com

ROUX
Environmental
Human Health
Economics
Ecological
Data Solutions
Occupational Health & Safety

Please consider the environment before printing this email.

Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 42151911668	**Expiration Date** 12/31/2024	
I. Decision Request:	☐ **Initial** ☑ **Recertification** ☑ **Change**		
Disposal Facility: 4215 - Pine Avenue LF			
Generator Name: 132 Dingens St LLC			
Generator Site Address: 132 Dingens Street			
City: Buffalo	**County:**	**State:** NY	**Zip:**
Name of Waste: soil fill from brownfields cleanup program			
Estimated Annual Volume: 10000 Tons			

II. Special Waste Department Decision: ◉ **Approved** ○ **Rejected**

Management Method(s): ☑ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ○ Yes ◉ No

If yes, which one?

Approved by Special Waste Review Committee? ○ Yes ○ No ◉ Not Applicable

Precautions, Conditions or Limitations on Approval

The New York State Department of Environmental Conservation, Division of Materials Management, has approved application # 4467C on January 23, 2024, for the disposal of SOIL/FILL generated by 132 DINGENS STREET, LLC.

Per the Special Waste Profile Change Form dated 1/22/2024, the generator has increased the ESTIMATED VOLUME for disposal by 2,000 TONS.

Special Waste Analyst Signature: J Maul **Name (Printed):** Jennifer Maul

Date: 1/24/2024

III. Facility Decision: ⊗ **Approved** ○ **Rejected**

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: Russell Capizzi **Name (Printed):** Russell Capizzi / Ops Mgr

Date: 1/24/2024

Special Waste Profile – Recertification

REPUBLIC SERVICES

Disposal Facility: 4215 Pine Avenue Landfill NY

Waste Profile #:: 42151911668

Sales Rep #:

I. Generator Information

Generator Name: 132 Dingens St. LLC

Generator Site Address: 132 Dingens St.

City: Buffalo County: Erie State: New York ZIP: 14206

State ID/Reg. No: State Approval/Waste Code: NAICS:

Generator Mailing Address ☐ (if different)

City: County: State: --Select State-- ZIP:

Generator Contact Name: Robert Broomfield Email: rbroomfield@pintocs.com

Phone Number: 716 622-8412 Ext: Fax Number:

II. Waste Stream Information

Name of Waste: Soil from Brownfield cleanup program

Check Section 1 or 2 below

1. ☐ ***There has been a change*** in the characteristics of the waste stream due to the following:
   a. Change of a raw material used in the waste generating process.
   b. Change in the waste generating process itself.
   c. Change in a physical characteristic of the waste.
   d. New information has been documented concerning the human health effects of exposure to the waste.

   If any of these changes have occurred, a new profile sheet must be completed, and new analysis and/or SDS must be provided as appropriate.
2. ☑ ***There have been no changes*** that would alter the physical characteristics of the special waste stream. Updated analytical results may be required.

III. Representative Sample Certification

☐ **No Sample Taken**

☑ **Sample Taken** **Type of Sample** Grab Sample

Is the representative sample collected to prepare this profile and laboratory analysis collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☑ Yes ☐ No

Sample Date: 12/28/2023 Sample ID Numbers: NW - 2C & MW - 1C 240025-01 -240025-01A

Initial here

Special Waste Profile – Recertification

REPUBLIC SERVICES

IV. Certification

I hereby certify that I have knowledge about the waste material being offered for disposal ("Waste") and have the requisite authority to bind the Generator to the information contained in this Special Waste Profile ("Profile"). I further certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the Waste and all known or suspected hazards have been disclosed. All Analytical Results/Safety Data Sheets submitted are truthful and complete and are representative of the Waste.

I further certify that by utilizing this Profile, neither myself nor any other employee or representative of the company identified below ("Company") will deliver for disposal or attempt to deliver for disposal any Waste that: (i) is classified as toxic waste, hazardous waste or infectious waste; (ii) that does not conform to this Profile; or (iii) that this Disposal Facility is prohibiting from accepting by law. I shall immediately give written notice of any change or condition pertaining to the Waste not provided herein. Our Company hereby agrees to fully indemnify this Disposal Facility against any damages resulting from this Profile or Certification being inaccurate or untrue.

I understand that by attaching an electronic signature, I am signing this document and Company consents to complete this transaction and receive all related communications electronically, and agrees this document will be binding as though it had been physically signed. A printout of this Profile may be accepted with the same authority as the original.

Robert Broomfield	Environmental Services Manager	Pinto Construction Services, Inc.
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Authorized Representative Signature		1-22-24
		Date

Special Waste Profile – Change

REPUBLIC SERVICES

I. Generator Information

This form may be used to request changes to an existing Special Waste Profile.

Generator Name: 132 Dingens St. LLC

Name of Waste: Soil from Brownfield cleanup program Waste Profile #: 42151911668

II. Purpose of Change

Description of change requested and reason for change
(provide detailed explanation of why the change is requested following the appropriate checked box below).

Another phase of this Brownfield project is funded and can be cleaned up

☑ Volume Increase By: 2000 tons

Is the analysis originally submitted with the Profile representative of the volume increase? ☐ Yes ☑ No ***If no, complete Section III below.***

☑ Extend Expiration Date: match recertification date of 12/31/2024

☐ Change or Add Landfill

☑ Add Additional Laboratory Reports: ***Complete Representative Sample Certification (Section III) below.***

☐ Add MSDS:

☐ Generator Name Change:

☐ Other:

III. Representative Sample Certification

☐ **No Sample Taken**

☑ **Sample Taken** **Type of Sample** Grab Sample

Is the representative sample collected to prepare this profile and laboratory analysis collected in accordance with U.S. EPA 40 CF 261.20(c) guidelines or equivalent? ☑ **Yes** ☐ **No**

Sample Date: 12/28/2023

Sample ID Numbers: NW-2C & MW-1C
240025-01- 24002501A

Initial here

Special Waste Profile – Change

REPUBLIC SERVICES

IV. Certification

I hereby certify that I have knowledge about the waste material being offered for disposal ("Waste") and have the requisite authority to bind the Generator to the information contained in this Special Waste Profile – Change form ("Change Form"). I further certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of all changes to the Waste since its last approved Profile and all known or suspected hazards have been disclosed. All Analytical Results/Safety Data Sheets submitted are truthful and complete and are representative of the Waste.

Our Company hereby agrees to fully indemnify this Disposal Facility against any damages resulting from this Change Form or Certification being inaccurate or untrue. I understand that by attaching an electronic signature, I am signing this document and Company consents to complete this transaction and receive all related communications electronically, and agrees this document will be binding as though it had been physically signed. A printout of this Change Form may be accepted with the same authority as the original.

Robert Broomfield	Environmental Services Manager	Pinto Construction Services, Inc.
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Representative Signature		1-22-24 Date

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

January 23, 2024

Bernadette Wilson
Special Waste Coordinator
Republic Services
11 Boggs Road
P.O. Box 47 Imperial, PA 15126

Dear Ms. Wilson:

Generator: 132 Dingens St, LLC
Address: 132 Dingens Street,
Buffalo, NY 14206
Waste Description: Soil, Fill
Application # 4467C

The Department has reviewed the above referenced application for treatment or Disposal of an Industrial Waste Stream (Form 47-17-7). Based on the information provided, this waste stream is **approved for an increase in volume of 2000 tons for a total of 10000 tons for disposal at the Allied Waste Niagara Falls Landfill** in Niagara Falls, New York. This approval expires January 22, 2027.

You have also requested that this material be approved for alternate daily cover (ADC). Based on the analytical data submitted with this application, this material appears to be acceptable for this purpose. This letter shall serve notice that the above referenced material has been approved for use as an ADC at your facility. Please note; material shall not contain free liquids.

As with all daily covers, these materials must be spread in six-inch layers unless otherwise pre-approved and they must control vectors, fires, blowing litter, odors and scavenging. Furthermore, the use of ADCs must not in itself produce nuisances (e.g. dusting and odors). In the event that nuisances do develop, this approval will be rescinded. In addition, runoff from the ADCs must be collected by the landfill's leachate collection system and tracking of the material out of the landfill footprint must be prevented. It is also understood that ADCs are not to be reused after initial placement. Finally, the ADC shall be used where it will be covered by the next day's waste or by clean soil.

Temporary storage of the ADC material is acceptable, provided that the following conditions are met. The storage area must be on an active portion of the landfill that allows run-off from the stockpile to be collected in the leachate collection system. The

storage area should be located away from truck and equipment traffic to prevent tracking of the stockpiled material. Stockpiles should not be created next to slopes which may promote the dispersion of the ADC material due to erosion of the stockpile. Also, stockpiled material must not produce any nuisances (e.g. dusting or odors). If nuisances do develop, the stockpiled material must be promptly disposed in the landfill. Stockpiles of ADC should, in no way, interfere with the normal daily operation of the landfill. Finally, the amount and length of storage for ADCs should be minimized.

Should you have any questions, please contact this office at 716-851-7220.

Sincerely,

Matthew Slominski

Matthew Slominski
Assistant Engineer

ec.
Peter Grasso, P.E., NYSDEC
Beverly Lewinski, P.E., NYSDEC

REPUBLIC SERVICES

January 22, 2024

Mr. Matthew R Slominski
New York State Department of Environmental Conservation
700 Delaware Avenue
Buffalo, New York 14209-2202

RE: NYDEC#4467C -project: 132 Dingens Street a Brownfields Cleanup Project (BCP)

Dear Mr. Slominski:

Attached is Application NYDEC #4467C along with the analytical for a brownfields cleanup program located at 132 Dingens Street, Buffalo NY 14206. This is to increase the volume by 2000 tons for a total of 10,000 tons.

Please review at your convenience for continued use as ADC here at the Niagara Falls Landfill facility.

Respectfully,

Bernadette Wilson

Bernadette Wilson
Special Waste Coordinator

Cc: Peter Grasso
Beverly Lewinski

4467C *Bernadette Wilson 1/22/2024*
additional 2000 tons
for a total of 10,000 tons
Received: 1/22/2024 MRS
Approved: 1/23/2024

4467B
additional 2000 tons
for a Total of 8000 tons

2019/07/31 13:02:07 3 /52

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE • BUREAU OF HAZARDOUS WASTE OPERATIONS
50 WOLF ROAD, ALBANY, NEW YORK 12233-4017

APPLICATION FOR TREATMENT OR DISPOSAL OF AN INDUSTRIAL WASTE STREAM

SEE APPLICATION INSTRUCTIONS ON REVERSE SIDE

FOR STATE USE ONLY		
SITE NO. 32S11	APPLICATION NO. 4467	DATE RECEIVED 7/31/2019
DEPARTMENT ACTION ☒ Approved ☐ Disapproved		DATE 8/1/2019

4467A
Additional 4,000 tons requested
Totaling 10,000 TONS
Kathy Iodice
4/1/2021
Recd 4/1/2021
Appd 4/1/2021 MP

4467B
Recd 8/12/2021
Appd 8/12/2021 MP

1. NAME OF PROJECT/FACILITY: Allied Niagara Falls Landfill
2. COUNTY: Niagara
3. SITE NUMBER: 32S11
4. NAME OF OWNER: Allied Waste Systems
5. ADDRESS (Street, City, State, Zip Code): 5600 Niagara Falls Blvd., Niagara Falls, New York 14304-0354
6. TELEPHONE NO.: (716) 285-3344
7. NAME OF OPERATOR: Allied Waste Systems
8. ADDRESS (Street, City, State, Zip Code): Same as Section 5 above
9. TELEPHONE NO.: (716) 285-3344
10. METHOD OF TREATMENT OR DISPOSAL: Sanitary Landfill Disposal Code D90
11. COMPANY GENERATING WASTE: 132 Dingens St, LLC
12. ADDRESS OF FACILITY GENERATING WASTE (Street, City, State, Zip Code): 132 Dingens St., Buffalo, NY 14206
13. REPRESENTATIVE OF WASTE GENERATOR: Robert Broomfield
14. MAILING ADDRESS OF REPRESENTATIVE: 132 Dingens St., Buffalo, NY 14206
15. TELEPHONE NO.: 716-622-8412
16. DESCRIPTION OF PROCESS PRODUCING WASTE: Soil/fill excavated at BCP Site for new building construction
17. EXPECTED ANNUAL WASTE PRODUCTION: 2,000 Tons/Year ____ Gallons/Year
18. WASTE HAULED IN: ☐ Drums ☐ Bulk Tank ☒ Roll-Off Container ☐ Other
19. WASTE COMPOSITION: 19a. Average Percent Solids 83%
19b. PHYSICAL STATE: ☐ Liquid ☐ Slurry ☐ Sludge ☒ Solid ☐ Contained Gas
19c. pH Range: 8.8 to 9.1

19. COMPONENTS	CONCENTRATION (Dry Weight) Upper	Lower	Typical	UNIT (Check One) WR%	PPM
1) Soil/Fill			100	☒	☐
2)				☐	☐
3)				☐	☐
4)				☐	☐

20. IS AN ANALYSIS OF WASTE ATTACHED? ☒ Yes ☐ No
21. WAS A TCLP TEST CONDUCTED ON THE WASTE? ☒ Yes ☐ No If "Yes", attach results
22. MATERIAL IS: ☐ Hazardous ☒ Non-Hazardous
23. DETAIL ALL HAZARD AND NUISANCE PROBLEMS ASSOCIATED WITH THE WASTES. List necessary safety, handling, treatment, and disposal precautions.
Soil/fill: suppress dust, avoid dermal contact.
24. WHERE WAS MATERIAL DISPOSED OF PREVIOUSLY? N/A
25. NAME OF WASTE TRANSPORTER: Parisi Trucking
26. ADDRESS (Street, City, State, Zip Code): 3649 River Road, Tonawanda, NY 14150
27. NYSDEC PERMIT NO.: 9A-035
28. TELEPHONE NO.: 7168756168
29. CERTIFICATION
I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

a. SIGNATURE AND TITLE OF REPRESENTATIVE OF WASTE GENERATOR: Lori E. Riker, P.E. as Agent for 132 Dingens St, LLC
b. Sr. Project Manager for Benchmark Environmental Engineering & Science, PLLC — DATE 7/30/19
c. SIGNATURE AND TITLE OF REPRESENTATIVE OF TREATMENT OR DISPOSAL FACILITY: Kathleen Iodice - Special Waste Executive — DATE 7/31/2019

PARADIGM

Analytical Report For

Pinto Construction

For Lab Project ID

240025

Referencing

132 Dingens St New Warehouse

Prepared

Friday, January 12, 2024

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC

Lab Project ID: 240025

Client: Pinto Construction

Project Reference: 132 Dingens St New Warehouse

Sample Identifier:	NW-2C & MW-1C		
Lab Sample ID:	240025-01	**Date Sampled:**	12/28/2023 11:00
Matrix:	Soil	**Date Received**	1/2/2024

Ignitability

Analyte	Result	Units	Qualifier	Date Analyzed
Ignitability	No Burn	mm / sec		1/3/2024

Method Reference(s): EPA 1030

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1221	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1232	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1242	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1248	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1254	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1260	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1262	< 0.163	mg/Kg		1/5/2024 22:09
PCB-1268	< 0.163	mg/Kg		1/5/2024 22:09

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	63.6	10 - 110		1/5/2024 22:09

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 1/5/2024

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	8.90 @ 19.2 C	S.U.		1/3/2024 11:16

Method Reference(s): EPA 9045D

Reactive Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Cyanide	<1.0	mg/Kg		1/4/2024

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC

Lab Project ID: 240025

Client: **Pinto Construction**

Project Reference: 132 Dingens St New Warehouse

Sample Identifier:	NW-2C & MW-1C		
Lab Sample ID:	240025-01	**Date Sampled:**	12/28/2023 11:00
Matrix:	Soil	**Date Received**	1/2/2024

Method Reference(s): EPA 7.3.3.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.
This sample has been reported as received.

Reactive Sulfide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Sulfide	<10	mg/Kg		1/4/2024

Method Reference(s): EPA 7.3.4.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.
This sample has been reported as received.

PARADIGM
ENVIRONMENTAL SERVICES, INC

Lab Project ID: 240025

Client: **Pinto Construction**

Project Reference: 132 Dingens St New Warehouse

Sample Identifier: NW-2C & MW-1C
Lab Sample ID: 240025-01A
Matrix: TCLP Extract

Date Sampled: 12/28/2023 11:00
Date Received 1/2/2024

TCLP Pesticides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Chlordane	<10	ug/L	30		1/8/2024
Endrin	<2.0	ug/L	20		1/8/2024
gamma-BHC (Lindane)	<2.0	ug/L	400		1/8/2024
Heptachlor	<2.0	ug/L	8		1/8/2024
Heptachlor Epoxide	<2.0	ug/L	8		1/8/2024
Methoxychlor	<10	ug/L	10000		1/8/2024
Toxaphene	<20	ug/L	500		1/8/2024

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8081B
EPA 1311

Subcontractor ELAP ID: 10709

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		1/10/2024 09:44
2,4,5-Trichlorophenol	< 40.0	ug/L	400000		1/10/2024 09:44
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		1/10/2024 09:44
2,4-Dinitrotoluene	< 40.0	ug/L	130		1/10/2024 09:44
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		1/10/2024 09:44
Hexachlorobenzene	< 40.0	ug/L	130		1/10/2024 09:44
Hexachlorobutadiene	< 40.0	ug/L	500		1/10/2024 09:44
Hexachloroethane	< 40.0	ug/L	3000		1/10/2024 09:44
Nitrobenzene	< 40.0	ug/L	2000		1/10/2024 09:44
Pentachlorophenol	< 80.0	ug/L	100000		1/10/2024 09:44
Pyridine	< 40.0	ug/L	5000		1/10/2024 09:44

PARADIGM
ENVIRONMENTAL SERVICES, INC

Lab Project ID: 240025

Client: Pinto Construction

Project Reference: 132 Dingens St New Warehouse

Sample Identifier: NW-2C & MW-1C
Lab Sample ID: 240025-01A
Matrix: TCLP Extract

Date Sampled: 12/28/2023 11:00
Date Received 1/2/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	61.7	49 - 127		1/10/2024 09:44
2-Fluorobiphenyl	75.7	10 - 107		1/10/2024 09:44
2-Fluorophenol	48.2	10.6 - 109		1/10/2024 09:44
Nitrobenzene-d5	76.1	41 - 106		1/10/2024 09:44
Phenol-d5	47.9	10 - 109		1/10/2024 09:44
Terphenyl-d14	87.9	49.6 - 120		1/10/2024 09:44

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 1/9/2024
Data File: B69040.D

TCLP Herbicides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
2,4,5-TP (Silvex)	<0.050	mg/L	1		1/8/2024
2,4-D	<0.050	mg/L	10		1/8/2024

Method Reference(s): EPA 8321B
EPA 1311
Subcontractor ELAP ID: 10709

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		1/4/2024 12:23

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 1/4/2024
Data File: Hg240104A

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		1/4/2024 09:53
Barium	< 0.500	mg/L	100		1/4/2024 09:53
Cadmium	< 0.0250	mg/L	1		1/4/2024 09:53
Chromium	< 0.500	mg/L	5		1/4/2024 09:53

PARADIGM
ENVIRONMENTAL SERVICES, INC

Lab Project ID: 240025

Client: **Pinto Construction**

Project Reference: 132 Dingens St New Warehouse

Sample Identifier: NW-2C & MW-1C
Lab Sample ID: 240025-01A **Date Sampled:** 12/28/2023 11:00
Matrix: TCLP Extract **Date Received** 1/2/2024

Lead	< 0.500	mg/L	5	1/4/2024 09:53
Selenium	< 0.200	mg/L	1	1/4/2024 09:53
Silver	< 0.500	mg/L	5	1/4/2024 09:53

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 1/3/2024
Data File: 240104A

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		1/3/2024 13:52
1,2-Dichloroethane	< 20.0	ug/L	500		1/3/2024 13:52
2-Butanone	< 100	ug/L	200000		1/3/2024 13:52
Benzene	< 20.0	ug/L	500		1/3/2024 13:52
Carbon Tetrachloride	< 20.0	ug/L	500		1/3/2024 13:52
Chlorobenzene	< 20.0	ug/L	100000		1/3/2024 13:52
Chloroform	< 20.0	ug/L	6000		1/3/2024 13:52
Tetrachloroethene	< 20.0	ug/L	700		1/3/2024 13:52
Trichloroethene	< 20.0	ug/L	500		1/3/2024 13:52
Vinyl chloride	< 20.0	ug/L	200		1/3/2024 13:52

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**109**	79.7 - 118		1/3/2024 13:52
4-Bromofluorobenzene	**94.6**	80.1 - 112		1/3/2024 13:52
Pentafluorobenzene	**101**	88 - 115		1/3/2024 13:52
Toluene-D8	**101**	88.2 - 113		1/3/2024 13:52

Method Reference(s): EPA 8260C
EPA 1311 / 5030C
Data File: z21764.D

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"H" = Denotes a parameter analyzed outside of holding time.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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

CHAIN OF CUSTODY

PARADIGM

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	PINTO CONSTRUCTION	CLIENT:	SAME	240025
ADDRESS:	132 DINGENS ST	ADDRESS:		Quotation #:
CITY:	BUFFALO STATE: NY ZIP: 14206	CITY: STATE: ZIP:		
PHONE:	716-622-8412	PHONE:		Email: RBROOMFIELD@PINTOCS.com
ATTN:	BOB BROOMFIELD	ATTN:		

PROJECT REFERENCE
132 DINGENS ST
NEW WAREHOUSE

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCLP METALS	TCLP VOC	TCLP SVOC	TCLP PEST	TCLP HERB	PCB'S	IGNITABILITY	REACTIVITY	pH		REMARKS	PARADIGM LAB SAMPLE NUMBER
12-28-23	11:00	X		MW-2C & MW-1C	SO	2	X	X	X	X	X	X	X	X	X		A for TCLP extract.	01A

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

Sampled By	12/28/23 / 11:00 Date/Time	Total Cost:
Relinquished By	12/28/23 / 4:04 Date/Time	
Received By	12/29/23 1604 Date/Time	P.I.F.
Received @ Lab By	1/2/24 15:10 Date/Time	

4°C iced 3°C iced 1/2/24 1458
ec 1/2/24

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

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client:	Pinto Construction	**Completed by:**	[signature]
Lab Project ID:	240025	**Date:**	1/2/2024

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	Yes	No	N/A
	NELAC compliance with the sample condition requirements upon receipt		
Container Type	X		
Comments			
Transferred to method-compliant container	X 293-7 mg → 32 (Reactivity)		
Headspace (<1 mL)	X TCLP VOA		X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X metals (except Hg)
Comments: 3°C Iced			
Compliant Sample Quantity/Type	X		
Comments			

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

1 of 1

CHAIN OF CUSTODY

ELAP ID:

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJE
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:			STD
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable	☐1 ☐2 ☐3 ☒5
		COMMENTS:	Please email results to reporting@paradigmenv.com	Date Due: 1/10/23	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Reactivity	REMARKS	PARAD. SAMPLE NUMBER
1	1/2/23	11:00	X		MW-2C + MW-1C	So.1	1	X	240025-01	
2										
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: 4C	Y ☐	N ☐
Comments:		

Client

	Date/Time
Sampled By	1/3/24 08:30
Relinquished By	Date/Time
Trent Vanderlaan	1/3/24 1435
Received By	Date/Time
Received @ Lab By	Date/Time

Total Cost:

P.I.F.

LC
240103119 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 1

CHAIN OF CUSTODY

ELAP ID: 1

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:			STD
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable	☐ 1 ☐ 2 ☐ 3 ☒ 5
		COMMENTS:	Please email results to reporting@paradigmenv.com	Date Due:	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCLP Pest	TCLP Herb								REMARKS	PARADIGM SAMPLE NUMBER
						TCLP												
1	12/28/23	11:00	X		MW-2C & MW-1C	extract	1	X	X								240025-01A	
2																		
3																	Spun at Paradigm	
4																	on 1/2/24	
5																		
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: 4C	Y ☐	N ☐
Comments:		

Client

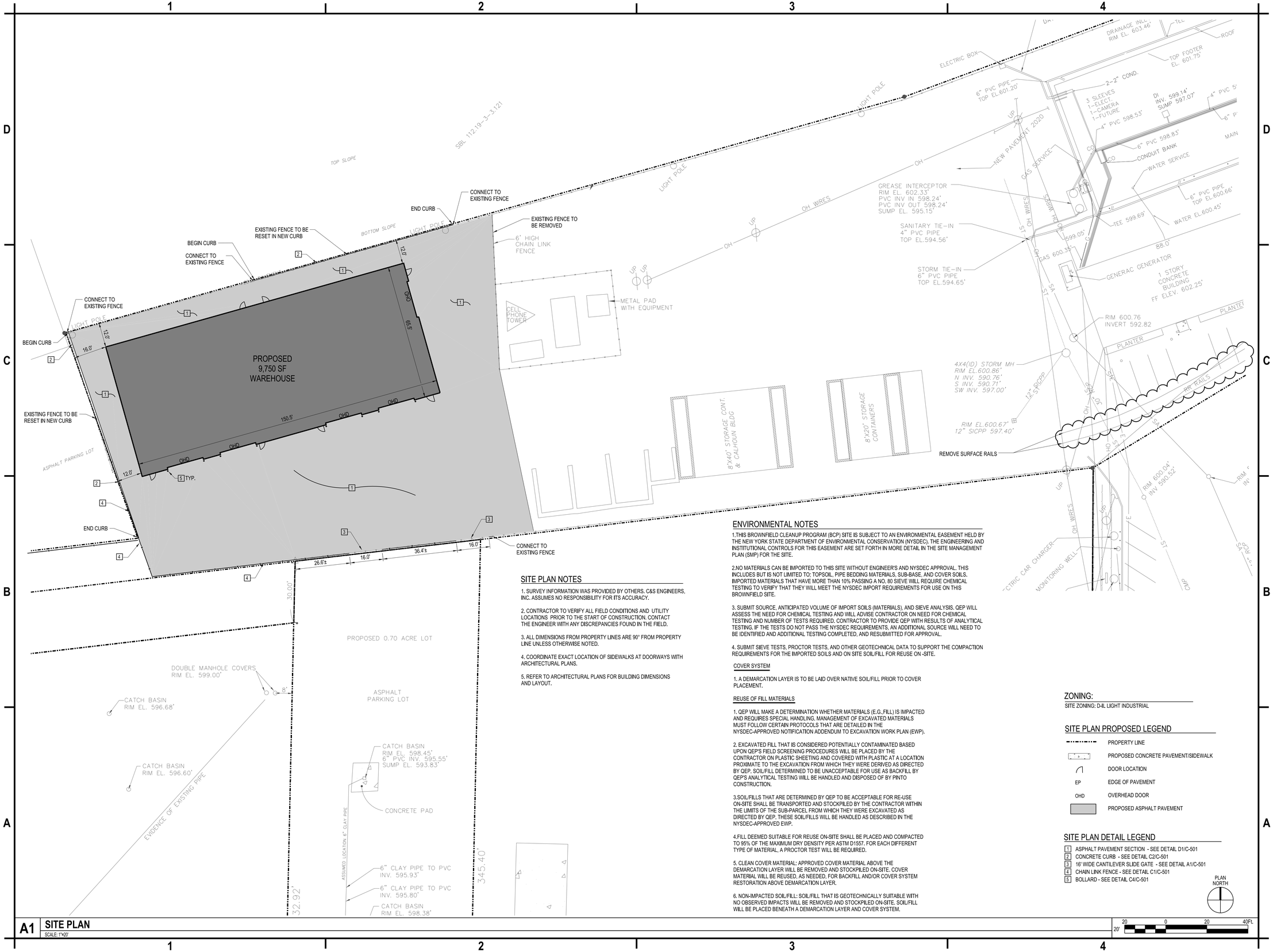
	Date/Time	
Sampled By		
Relinquished By	1/3/24	830
Received By Trent VanSteenburg	1/3/24	1435
Received @ Lab By		

Total Cost:

P.I.F.

APPENDIX C

Design Drawings



SITE PLAN NOTES

1. SURVEY INFORMATION WAS PROVIDED BY OTHERS. C&S ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE ENGINEER WITH ANY DISCREPANCIES FOUND IN THE FIELD.

3. ALL DIMENSIONS FROM PROPERTY LINES ARE 90° FROM PROPERTY LINE UNLESS OTHERWISE NOTED.

4. COORDINATE EXACT LOCATION OF SIDEWALKS AT DOORWAYS WITH ARCHITECTURAL PLANS.

5. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND LAYOUT.

ENVIRONMENTAL NOTES

1.THIS BROWNFIELD CLEANUP PROGRAM (BCP) SITE IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC). THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP) FOR THE SITE.

2.NO MATERIALS CAN BE IMPORTED TO THIS SITE WITHOUT ENGINEER'S AND NYSDEC APPROVAL. THIS INCLUDES BUT IS NOT LIMITED TO: TOPSOIL, PIPE BEDDING MATERIALS, SUB-BASE, AND COVER SOILS. IMPORTED MATERIALS THAT HAVE MORE THAN 10% PASSING A NO. 80 SIEVE WILL REQUIRE CHEMICAL TESTING TO VERIFY THAT THEY WILL MEET THE NYSDEC IMPORT REQUIREMENTS FOR USE ON THIS BROWNFIELD SITE.

3. SUBMIT SOURCE, ANTICIPATED VOLUME OF IMPORT SOILS (MATERIALS), AND SIEVE ANALYSIS. QEP WILL ASSESS THE NEED FOR CHEMICAL TESTING AND WILL ADVISE CONTRACTOR ON NEED FOR CHEMICAL TESTING AND NUMBER OF TESTS REQUIRED. CONTRACTOR TO PROVIDE QEP WITH RESULTS OF ANALYTICAL TESTING. IF THE TESTS DO NOT PASS THE NYSDEC REQUIREMENTS, AN ADDITIONAL SOURCE WILL NEED TO BE IDENTIFIED AND ADDITIONAL TESTING COMPLETED, AND RESUBMITTED FOR APPROVAL.

4. SUBMIT SIEVE TESTS, PROCTOR TESTS, AND OTHER GEOTECHNICAL DATA TO SUPPORT THE COMPACTION REQUIREMENTS FOR THE IMPORTED SOILS AND ON SITE SOIL/FILL FOR REUSE ON -SITE.

COVER SYSTEM

1. A DEMARCATION LAYER IS TO BE LAID OVER NATIVE SOIL/FILL PRIOR TO COVER PLACEMENT.

REUSE OF FILL MATERIALS

1. QEP WILL MAKE A DETERMINATION WHETHER MATERIALS (E.G., FILL) IS IMPACTED AND REQUIRES SPECIAL HANDLING. MANAGEMENT OF EXCAVATED MATERIALS MUST FOLLOW CERTAIN PROTOCOLS THAT ARE DETAILED IN THE NYSDEC-APPROVED NOTIFICATION ADDENDUM TO EXCAVATION WORK PLAN (EWP).

2. EXCAVATED FILL THAT IS CONSIDERED POTENTIALLY CONTAMINATED BASED UPON QEP'S FIELD SCREENING PROCEDURES WILL BE PLACED BY THE CONTRACTOR ON PLASTIC SHEETING AND COVERED WITH PLASTIC AT A LOCATION PROXIMATE TO THE EXCAVATION FROM WHICH THEY WERE DERIVED AS DIRECTED BY QEP. SOIL/FILL DETERMINED TO BE UNACCEPTABLE FOR USE AS BACKFILL BY QEP'S ANALYTICAL TESTING WILL BE HANDLED AND DISPOSED OF BY PINTO CONSTRUCTION.

3.SOIL/FILLS THAT ARE DETERMINED BY QEP TO BE ACCEPTABLE FOR RE-USE ON-SITE SHALL BE TRANSPORTED AND STOCKPILED BY THE CONTRACTOR WITHIN THE LIMITS OF THE SUB-PARCEL FROM WHICH THEY WERE EXCAVATED AS DIRECTED BY QEP. THESE SOIL/FILLS WILL BE HANDLED AS DESCRIBED IN THE NYSDEC-APPROVED EWP.

4.FILL DEEMED SUITABLE FOR REUSE ON-SITE SHALL BE PLACED AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FOR EACH DIFFERENT TYPE OF MATERIAL, A PROCTOR TEST WILL BE REQUIRED.

5. CLEAN COVER MATERIAL: APPROVED COVER MATERIAL ABOVE THE DEMARCATION LAYER WILL BE REMOVED AND STOCKPILED ON-SITE. COVER MATERIAL WILL BE REUSED, AS NEEDED, FOR BACKFILL AND/OR COVER SYSTEM RESTORATION ABOVE DEMARCATION LAYER.

6. NON-IMPACTED SOIL/FILL: SOIL/FILL THAT IS GEOTECHNICALLY SUITABLE WITH NO OBSERVED IMPACTS WILL BE REMOVED AND STOCKPILED ON-SITE. SOIL/FILL WILL BE PLACED BENEATH A DEMARCATION LAYER AND COVER SYSTEM.

ZONING:

SITE ZONING: D-IL LIGHT INDUSTRIAL

SITE PLAN PROPOSED LEGEND

- PROPERTY LINE
- PROPOSED CONCRETE PAVEMENT/SIDEWALK
- DOOR LOCATION
- EP — EDGE OF PAVEMENT
- OHD — OVERHEAD DOOR
- PROPOSED ASPHALT PAVEMENT

SITE PLAN DETAIL LEGEND

1. ASPHALT PAVEMENT SECTION - SEE DETAIL D1/C-501
2. CONCRETE CURB - SEE DETAIL C2/C-501
3. 16' WIDE CANTILEVER SLIDE GATE - SEE DETAIL A1/C-501
4. CHAIN LINK FENCE - SEE DETAIL C1/C-501
5. BOLLARD - SEE DETAIL C4/C-501

PLAN NORTH

A1 SITE PLAN
SCALE: 1"=20'

20' 20 0 20 40FT

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CERTIFICATE OF AUTHORIZATION #: 008192

STATE OF NEW YORK
VICTOR J. O'BRIEN
075819
LICENSED PROFESSIONAL ENGINEER

132 DINGENS STREET BUFFALO, NEW YORK
PINTO CONSTRUCTION

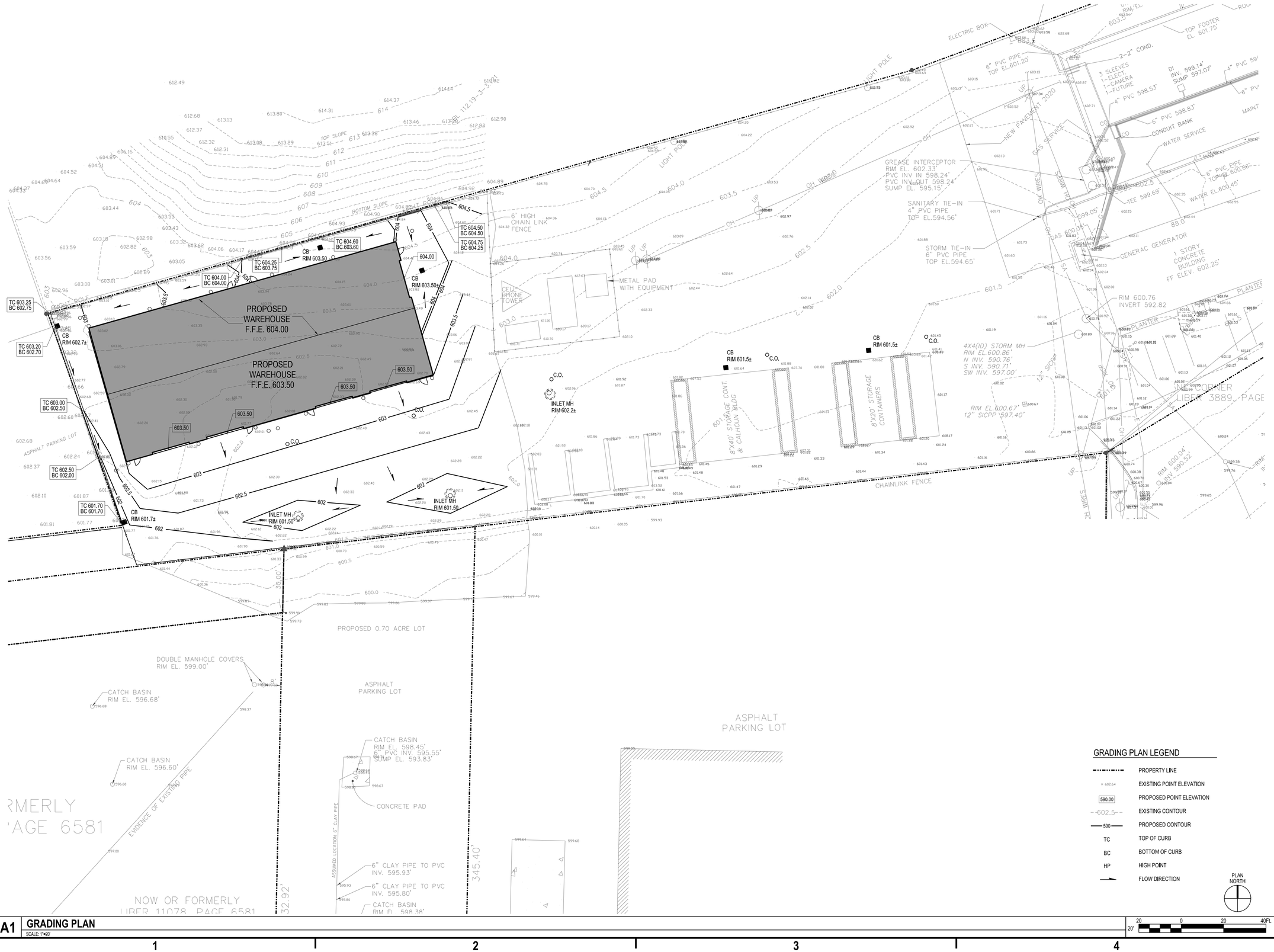
MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO:	J41.010.004
DATE:	March 8, 2024
DRAWN BY:	S. SCHIENER
DESIGNED BY:	V. O'BRIEN
CHECKED BY:	

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

SITE PLAN

C-101



GRADING PLAN LEGEND

	PROPERTY LINE
× 602.64	EXISTING POINT ELEVATION
590.00	PROPOSED POINT ELEVATION
--602.5--	EXISTING CONTOUR
590	PROPOSED CONTOUR
TC	TOP OF CURB
BC	BOTTOM OF CURB
HP	HIGH POINT
	FLOW DIRECTION

A1 **GRADING PLAN**
SCALE: 1"=20'

20' 20 0 20 40Ft.

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CERTIFICATE OF AUTHORIZATION #: 0018122

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132 DINGENS STREET
BUFFALO, NEW YORK

PINTO CONSTRUCTION

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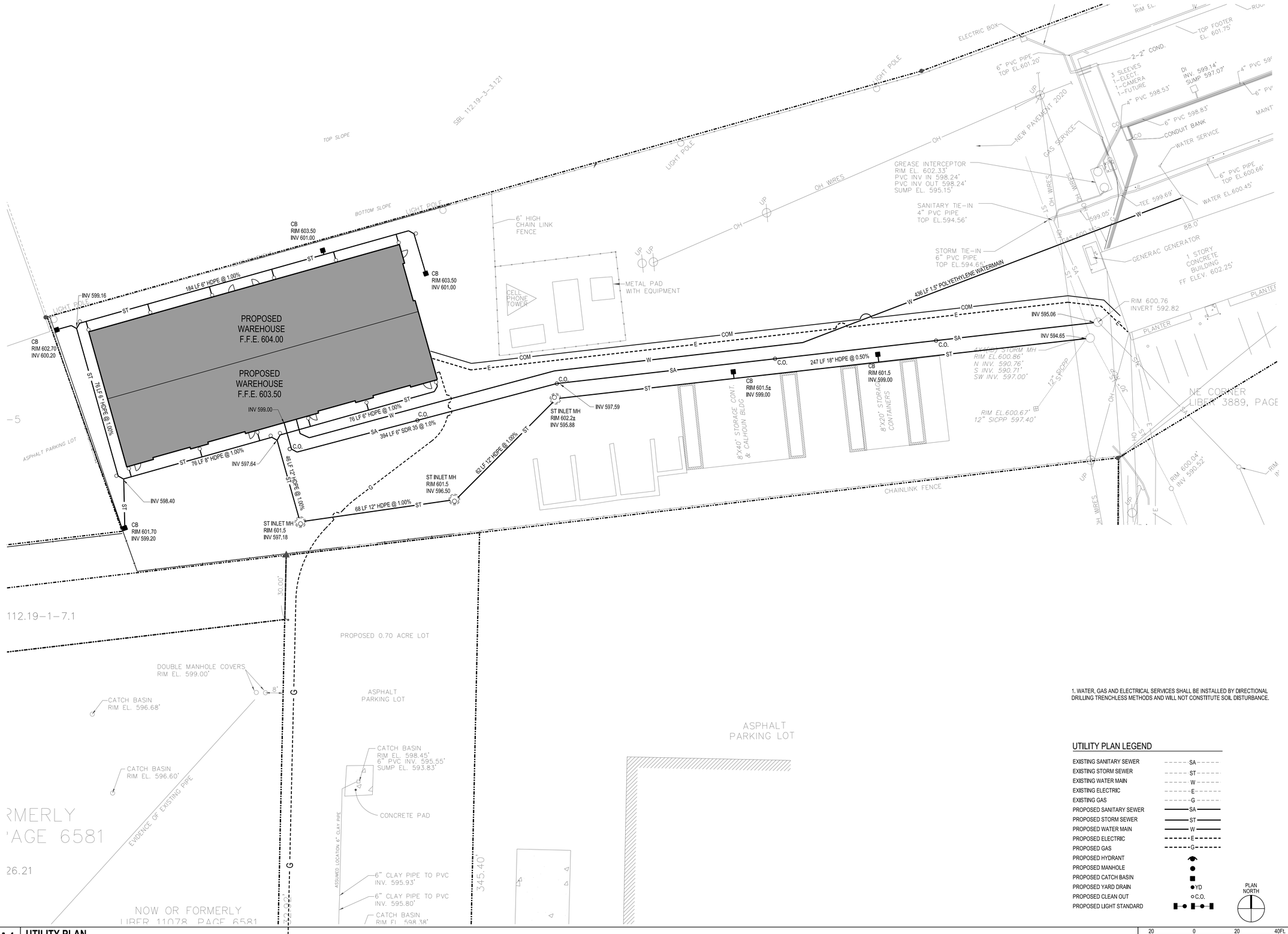
DESIGNED BY:	V. O'BRIEN
CHECKED BY:	

GRADING PLAN

C-102



1. WATER, GAS AND ELECTRICAL SERVICES SHALL BE INSTALLED BY DIRECTIONAL DRILLING TRENCHLESS METHODS AND WILL NOT CONSTITUTE SOIL DISTURBANCE.

UTILITY PLAN LEGEND

EXISTING SANITARY SEWER	SA
EXISTING STORM SEWER	ST
EXISTING WATER MAIN	W
EXISTING ELECTRIC	E
EXISTING GAS	G
PROPOSED SANITARY SEWER	SA
PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED ELECTRIC	E
PROPOSED GAS	G
PROPOSED HYDRANT	
PROPOSED MANHOLE	
PROPOSED CATCH BASIN	
PROPOSED YARD DRAIN	YD
PROPOSED CLEAN OUT	C.O.
PROPOSED LIGHT STANDARD	

A1 UTILITY PLAN
SCALE: 1"=20'

20' 20 0 20 40FL

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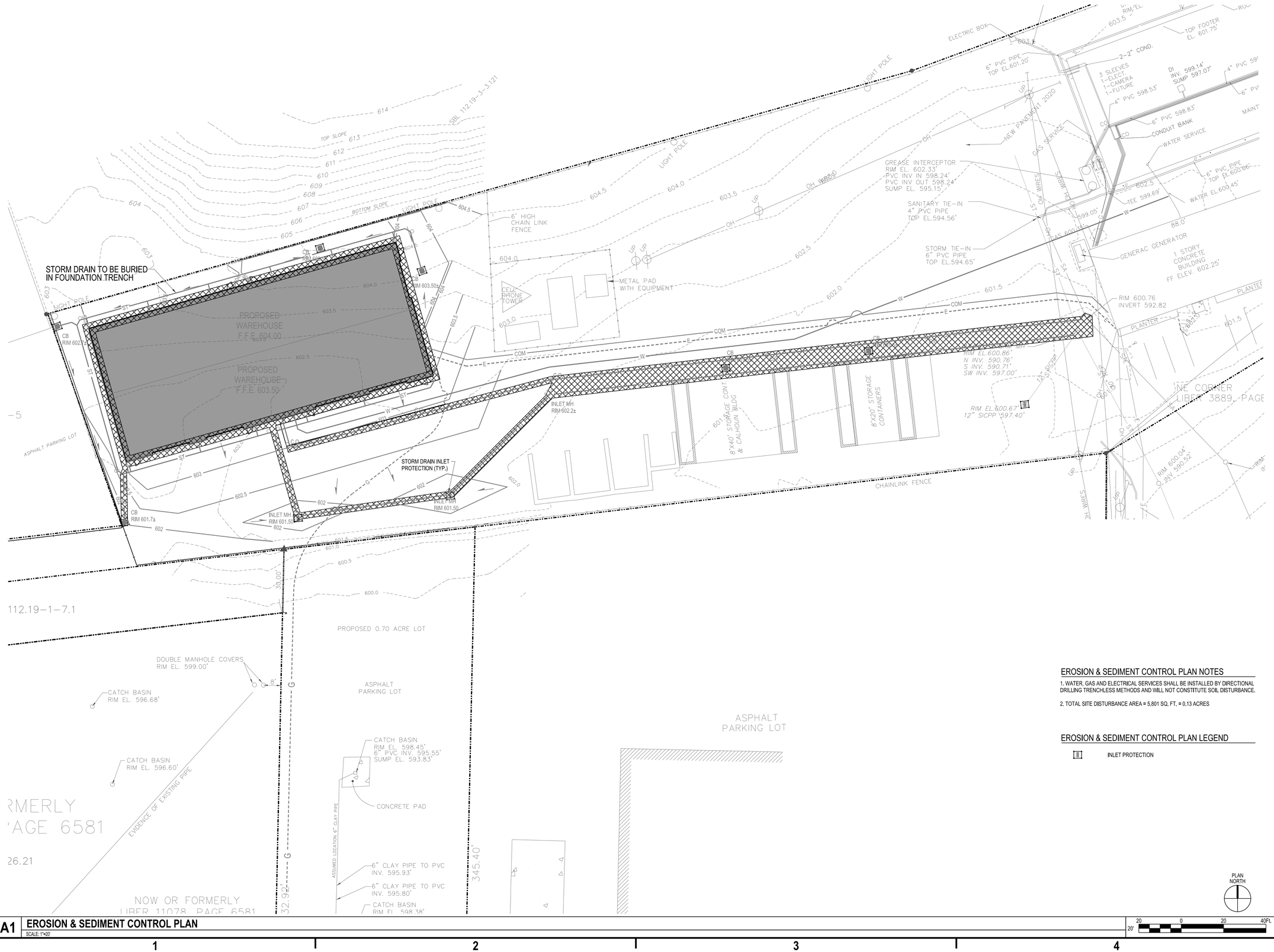
UTILITY PLAN

C-103



EROSION & SEDIMENT CONTROL PLAN NOTES

1. WATER, GAS AND ELECTRICAL SERVICES SHALL BE INSTALLED BY DIRECTIONAL DRILLING TRENCHLESS METHODS AND WILL NOT CONSTITUTE SOIL DISTURBANCE.

2. TOTAL SITE DISTURBANCE AREA = 5,801 SQ. FT. = 0.13 ACRES

EROSION & SEDIMENT CONTROL PLAN LEGEND

INLET PROTECTION

A1 EROSION & SEDIMENT CONTROL PLAN
SCALE: 1"=20'

20' 20 0 20 40Ft.

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BUFFALO, NEW YORK

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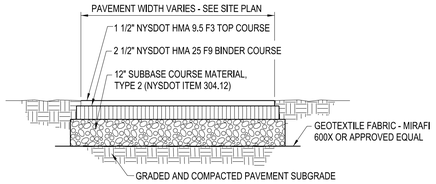
CHECKED BY:	

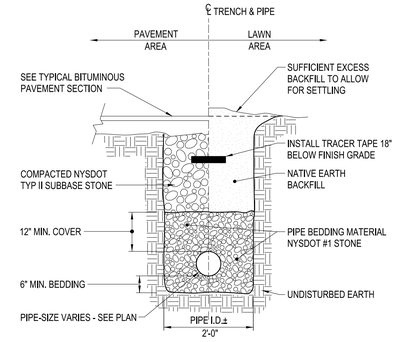
EROSION & SEDIMENT CONTROL PLAN

C-104

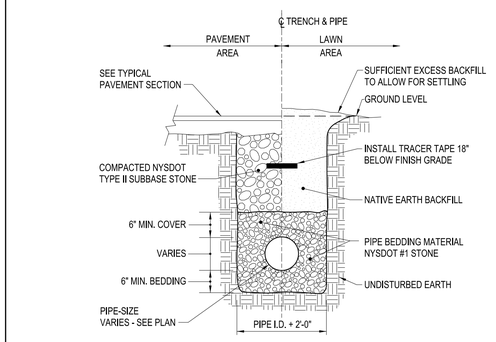


NOTE: CONSTRUCTION METHODS FOR ASPHALT PAVEMENT SHALL CONFORM TO FORMER NYSDOT STANDARD SPECIFICATION 401.3. WITH SUBBASE CONSTRUCTION METHODS CONFORMING TO NYSDOT STANDARD SPECIFICATION 304.3.

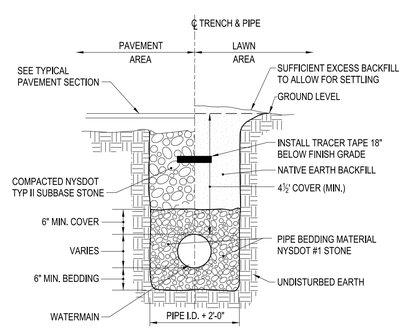
D1 ASPHALT PAVEMENT SECTION
SCALE: N.T.S.



D2 STORM PIPE TRENCH SECTION
SCALE: N.T.S.

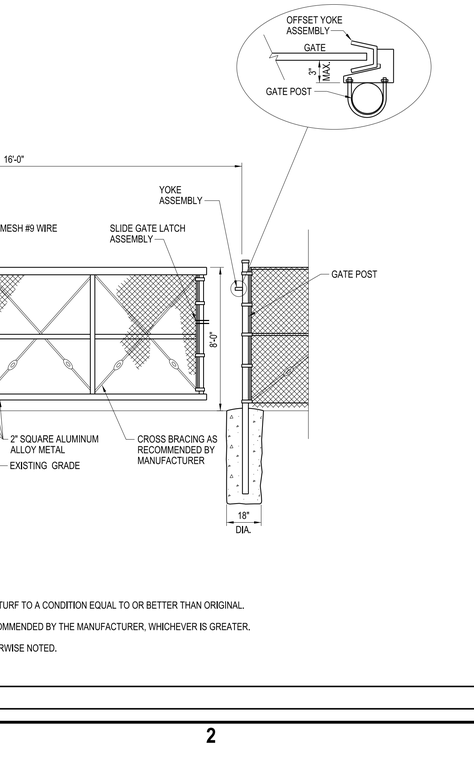


D3 SANITARY SEWER TRENCH SECTION
SCALE: N.T.S.

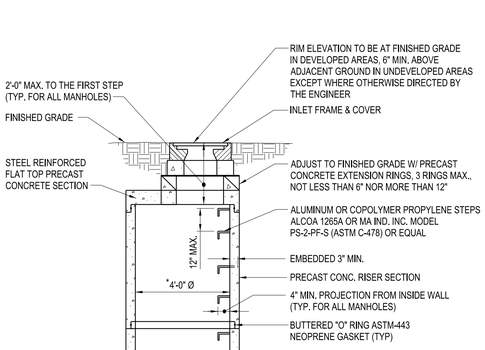


D4 TYPICAL WATERLINE TRENCH SECTION
SCALE: N.T.S.

C1 CHAIN LINK FENCE DETAIL
SCALE: N.T.S.

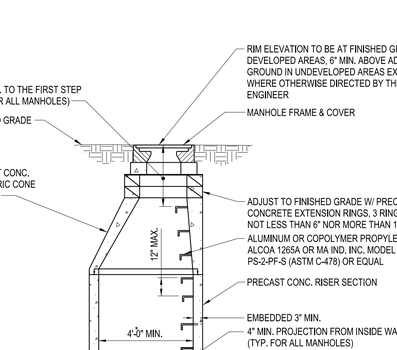


C2 CONCRETE CURB/RETAINING WALL
SCALE: N.T.S.

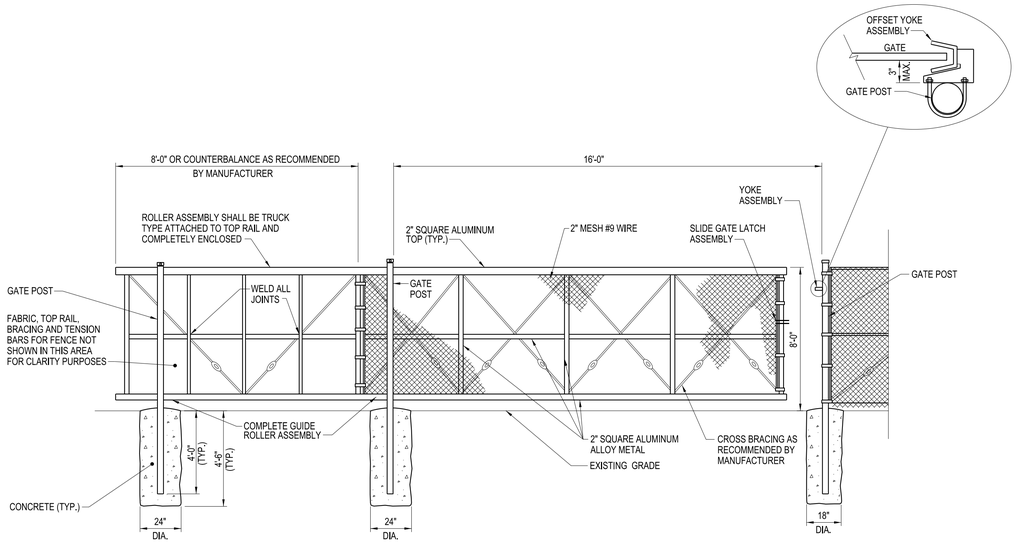


NOTE: SEE CITY OF BUFFALO DETAIL FOR ADDITIONAL INFORMATION

C3 TYPICAL CATCH BASIN (CITY OF BUFFALO)
SCALE: N.T.S.



C4 BOLLARD DETAIL
SCALE: N.T.S.



NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED PAVEMENT OR TURF TO A CONDITION EQUAL TO OR BETTER THAN ORIGINAL.
2. SUPPORT POSTS FOR GATES SHALL BE OF THE SIZES AND DEPTHS SHOWN OR AS RECOMMENDED BY THE MANUFACTURER, WHICHEVER IS GREATER.
3. ALL GATES SHALL BE INSTALLED ON THE ENCLOSED SIDE OF THE FENCE UNLESS OTHERWISE NOTED.

A1 SINGLE CANTILEVER GATE DETAIL
SCALE: N.T.S.

A3 STORM MANHOLE DETAIL
SCALE: N.T.S.

NOTE:
PROVIDE HEAVY DUTY NEENAH R-1784 FRAME AND COVER FOR ALL SANITARY MANHOLES

A4 PRECAST CONCRETE SANITARY MANHOLE DETAIL
SCALE: N.T.S.

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132 DINGENS STREET BUFFALO, NEW YORK
PINTO CONSTRUCTION

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CHECKED BY:	

SITE DETAILS

C-501

EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL PROCEDURE SHALL BE ADHERED TO BY THE CONTRACTOR:

1. INSTALL TEMPORARY SILT FENCE BARRIERS AS SHOWN ON THE PLAN AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT FENCE/SOCK BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.

2. THE TOPSOIL SHALL BE STRIPPED & STOCKPILED ON SITE FOR RE-USE AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE AND/OR REMOVAL OF TOPSOIL FROM THE SITE MUST BE FOLLOWED.

3. ALL SILT FENCES/SOCKS SHALL BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENNACE & REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.

5. THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR AND WATER APPLIED AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.

6. DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED & ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.

7. ALL DISTURBED AREAS (EXCEPT AREAS TO BE PAVED OR BUILT UPON) SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH & SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE & AS SOON AS PHYSICALLY POSSIBLE.

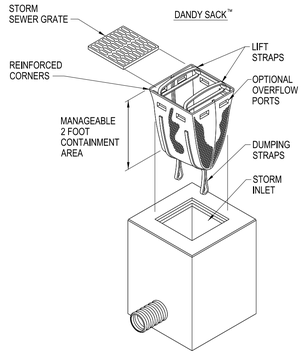
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES & CULVERTS. SILT BUILD-UP FOUND TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE TOWN.

9. IN ADDITION TO STORM WATER DISCHARGES, THE FOLLOWING NON-STORM WATER DISCHARGES MAY CONTRIBUTE TO THE RUN-OFF FROM THE SITE:

- WATER FROM WATER SERVICE FLUSHINGS
- WATER USED TO WASH DOWN CONSTRUCTION VEHICLES (NO DETERGENTS)
- WATER USED FOR DUST CONTROL
- UNCONTAMINATED GROUNDWATER

10. THE ABOVE NON-STORM WATER FLOWS SHALL BE TREATED IN THE SAME MANNER AS STORM WATER FLOWS INDICATED HERIN.

C1 GENERAL NOTES
SCALE: N.T.S.



DANDY SACK™ SPECIFICATIONS

NOTE: THE DANDY SACK™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY SACK™ (BLACK)

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
GRAB TENSILE ELONGATION	ASTM D 4632	%	15 x 15
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0.67 (150)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	5506 (800)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV RESISTANCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	1/min/m^2 (gal/min/ft^2)	2852 (70)
PERMITTIVITY	ASTM D 4491	Sec^{-1}	0.90

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 X 10
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0.40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	3097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV RESISTANCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	1/min/m^2 (gal/min/ft^2)	5907 (145)
PERMITTIVITY	ASTM D 4491	Sec^{-1}	2.1

*NOTE: DANDY SACKS™ CAN BE ORDERED WITH OUR OPTIONAL OIL ABSORBENT PILLOWS.

C2 FILTER SACK INLET PROTECTION
SCALE: N.T.S.

D4 NOT USED
SCALE: N.T.S.

C4 NOT USED
SCALE: N.T.S.

B1 NOT USED
SCALE: N.T.S.

B2 NOT USED
SCALE: N.T.S.

B3 NOT USED
SCALE: N.T.S.

B4 NOT USED
SCALE: N.T.S.

A1 NOT USED
SCALE: N.T.S.

A2 NOT USED
SCALE: N.T.S.

A3 NOT USED
SCALE: N.T.S.

A4 NOT USED
SCALE: N.T.S.

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EROSION & SEDIMENT CONTROL DETAILS

C-502