NOTIFICATION ADDENDUM
TO
EXCAVATION WORK PLAN

CONSTRUCTION OF WAREHOUSE #2

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

December 2022 B0365-022-002
Updated January 2023

Prepared for:

132 Dingens St., LLC
Buffalo, New York 14206

Prepared by:

BENCHMARK

2558 Hamburg Turnpike, Suite 300
Buffalo, New York 14218

EXCAVATION WORK PLAN

132 Dingens St. Site
Buffalo, New York

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EXCAVATION WORK PLAN

132 Dingens St. Site
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1.0 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 28, 2022.

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 will submit a final SMP update to NYSDEC upon completion of warehouse construction described below.

1.2 Purpose

The purpose of this 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.

1.3 Project Schedule

The following is a tentative project schedule:

- **February to June 2023:** Excavation and backfill for utilities (water and sewer lines) and new warehouse ramp foundations.
- **April to July 2023:** Building foundation construction and cast in place concrete floor slab.
- **July to September 2023:** Erection of super structure.
- **September to November 2023:** Completion of exterior asphalt and concrete, cover system restoration, and interior building construction.
- **December 2023:** Preparation of the Construction Closeout Report (CCR) and SMP Update**.**

2.0 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 Buffalo Games to the north; Dingens Street to the south; Niagara Tying Service to the east; and warehouses owned by Buffalo News and FPPF Chemical Company to the west. The Site is zoned commercial/light industrial and consists of an 80,000 square-foot commercial building (Warehouse #1), a two-story office building, and a 12,000 square-foot storage garage. 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 81,000 square-foot building (Warehouse #2), northeast of the existing Warehouse #1, on top of the existing asphalt, concrete, and stone (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. An draft update to the SMP was submitted to NYSDEC on December 22, 2020 associated with the construction of Warehouse #1.

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 approved SMP and SMP update will be followed during these intrusive redevelopment activities.

3.0 REDEVELOPMENT ACTIVITIES

A portion of the BCP Site will be redeveloped to include construction of a new approximately 81,000 square foot warehouse building (Warehouse #2) on top of the existing asphalt, concrete, and stone, northeast of Warehouse #1. Benchmark Civil/Environmental Engineering & Geology, PLLC (Benchmark) will provide construction oversight and monitoring. Pinto Construction Services, Inc. (Pinto) will be the Site contractor performing the intrusive work and repairing the cover system.

3.1 Site Preparation

3.1.1 Utility Clearance

Pinto Construction Services 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 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 July 12, 2022 and analyzed by Paradigm Environmental Services, Inc. for the full list of waste characterization parameters. A waste profile application was submitted to Republic Services, Inc. on August 12, 2022 for approval to dispose the soil at the Allied Waste Niagara Falls sanitary landfill. Waste disposal approval for an additional 2,000 tons of soil was received from Republic Services on August 16, 2022 for use of the material as alternate daily cover at the Allied Waste Landfill in Niagara Falls under Waste Profile #42151911668. This profile, originally established for construction of the new storage garage in 2020 and Warehouse #1 in 2021/2022, has been extended for an additional 2,000 tons for construction of new Warehouse #2.

3.3 Excavation Activities

Planned excavations related to on-site utilities and new ramp foundations are expected to reach a depth of approximately 4 feet below ground surface (fbgs) and utility

excavations are expected to reach close to 10 feet fbgs in certain areas. Benchmark 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 direct loaded to dump trucks or roll off containers for transportation to the landfill. Appendix C includes the design drawings showing the new warehouse and utility layout where subsurface excavation will be completed.

3.3.1 Water Management

Should non-impacted groundwater be encountered during utility installation, 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.

Storm water discharges into the City of Buffalo's combined sewer system within Dingens Street. Accordingly, coverage under the SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001), including providing a Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) is not required. However, per the City of Buffalo's Green Code, a SWPPP that includes erosion and sediment controls, green infrastructure practices, and stormwater detention was required as part of the Planning Board approval process. The proposed storm water detention system includes StormTech® MC-3500 stormwater chambers manufactured by Advanced Drainage Systems, Inc. Appendix B includes an email approval/acknowledgement by the NYSDEC on November 21, 2022. Appendix C includes drawings showing the storm water detention system location and details.

3.4 Backfill Materials

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 to pre-construction conditions once the building and utilities have been installed. The stone bedding in the utility trenches will act as the demarcation layer. Figure 2 provides current cover system details.

4.0 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). Benchmark will perform the required monitoring during intrusive activities.

5.0 REPORTING

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

5.1.1 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 Benchmark throughout the duration of the project as necessary to convey typical work activities and whenever changed conditions or special circumstances arise.

5.1.2 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.

5.1.3 Site Management Plan Update

A summary of new warehouse construction details will be incorporated into the SMP upon completion of redevelopment activities. The SMP update will include:

- A summary of all new cover system and construction details related to the new warehouse.
- 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.

6.0 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.

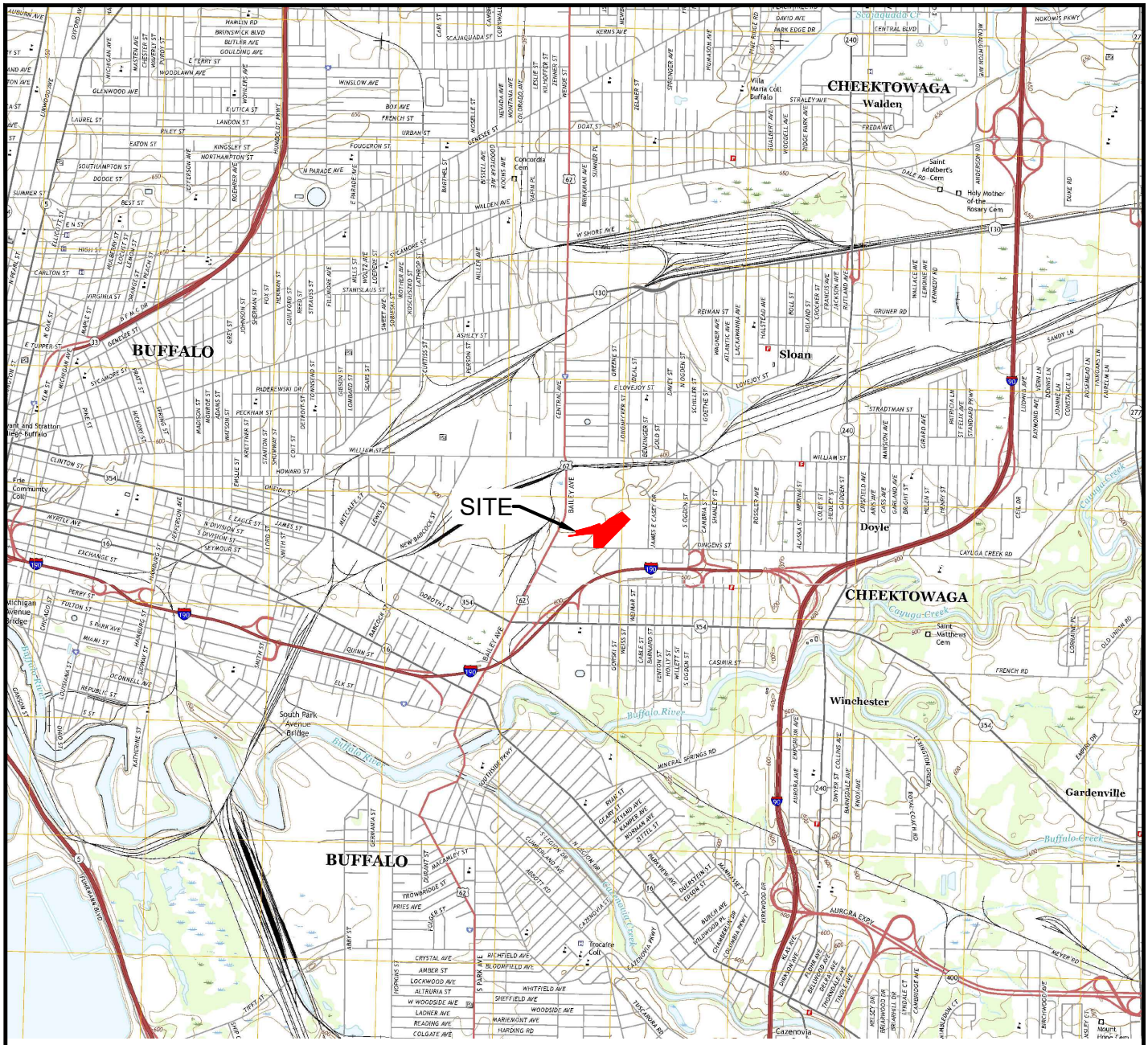
2. Iyer Environmental Group, PLLC. *Final Engineering Report, 132 Dingens St. Site, Erie County, Buffalo, NY, NYSDEC Site Number C915263*. October 2016.

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

FIGURE 1



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 17T
10 000-foot ticks: New York Coordinate System of 1983 (west zone)

N

QUADRANGLE LOCATION

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

PROJECT NO.: B0365-022-002

DATE: DECEMBER 2022

DRAFTED BY: CCB-CMC

SITE LOCATION & VICINITY MAP

NOTIFICATION ADDENDUM TO EXCAVATION WORK PLAN

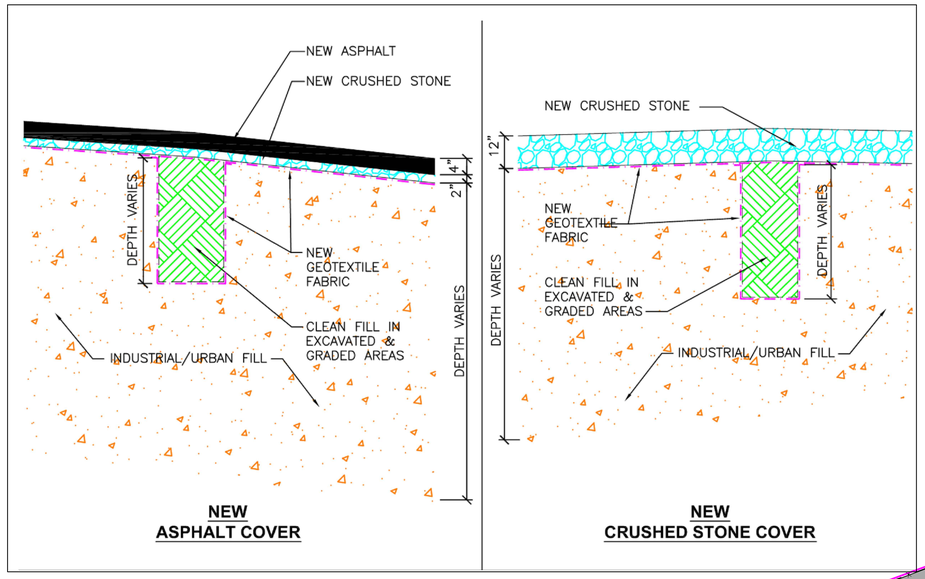
132 DINGENS STREET SITE
SITE NO. C915263
BUFFALO, NEW YORK

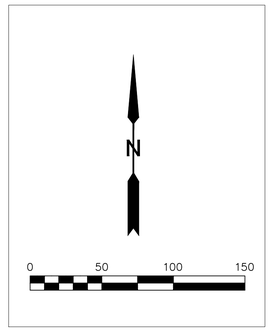
PREPARED FOR

132 DINGENS ST, LLC

F:\CAD\Benchmark\Pinto Construction\132 Dingens St. Site\Notification Addendum to Excavation Work Plan 2022\Figure 1; Site Location & Vicinity Map.dwg, 12/22/2022 3:43:52 PM

FIGURE 2





COVER SYSTEM KEY

- (2016) ASPHALT PAVEMENT (COVER SYSTEM A)
- (2016) CRUSHED STONE (COVER SYSTEM B)
- EXISTING ASPHALT PAVEMENT (COVER SYSTEM C)
- EXISTING CONCRETE (COVER SYSTEM D)
- EXISTING GRASS AREA (COVER SYSTEM E)
- (2020) ASPHALT OVERLAY (COVER SYSTEM F)
- (2020) CONCRETE PAD (COVER SYSTEM G)
- (2020) BUILDING (COVER SYSTEM H)
- EXISTING BUILDING/FOUNDATION

2022 COVER SYSTEM KEY

1. New 8" Concrete slab poured over existing concrete slab
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 & New 1.5" Top Asphalt Overlay
9. Proposed Warehouse

132 DINGENS STREET - 2022 COVER SYSTEM

REVISED 11/2020
REVISED 12/2022

DATE: 10/05/16	DRAWING NAME:
REV.: 11/16/20	DIN-4X225 - 04
REV.: 12/22/22	
DRAWN BY: GM	SHEET NO.
SCALE: 1"=50'	D-4

PINTO CONSTRUCTION SERVICES INC
Pinto Construction Services, Inc.
132 Dingens Street
Buffalo, NY 14206
Phone: (716) 825-6666
Fax: (716) 825-6773

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

NYSDEC 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
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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

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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 E. Riker
Subject:	RE: 132 Dingens St proposed detention system
Date:	Monday, November 21, 2022 2:28:40 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png

Lori –

Thank you for the additional follow-up. Please proceed as noted.

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: Monday, November 21, 2022 2:27 PM
To: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Subject: FW: 132 Dingens St proposed detention system

Megan,

Please see C&S Companies' email below regarding the SWPPP.

Thanks,
Lori

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

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From: Jason Utzig <jutzig@cscos.com>
Sent: Monday, November 21, 2022 2:23 PM
To: Lori E. Riker <lriker@bm-tk.com>
Cc: Jim Panepinto <jpinto@pintocs.com>; Victor O'Brien <vobrien@cscos.com>
Subject: RE: 132 Dingens St proposed detention system

Lori,
The project site's stormwater discharges into the City of Buffalo's combined sewer system within Dingens Street. Accordingly, coverage under the SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001), including providing a SWPPP and NOI is not required.

However, per the City of Buffalo's Green Code, a SWPPP that includes erosion and sediment controls, green infrastructure practices and stormwater detention was required as part of the Planning Board approval process.

Should you have any questions, please let me know.

Thank you,
Jason

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Jason P. Utzig, PE
Senior Project Engineer

office: (716) 847-1630
direct: (716) 955-3013
cell: (716) 870-7975
jutzig@cscos.com
141 Elm Street, Suite 100 | Buffalo, NY 14203

From: Lori E. Riker <lriker@bm-tk.com>
Sent: Monday, November 21, 2022 1:54 PM
To: Jason Utzig <jutzig@cscos.com>
Cc: Jim Panepinto <jpinto@pintocs.com>
Subject: FW: 132 Dingens St proposed detention system

Good Afternoon Jason,

Was an NOI and SWPPP required/submitted for this project? If not, please let me know the reason.

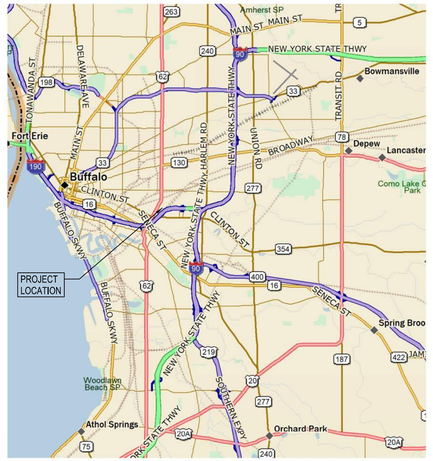
Thanks,
Lori

Lori E. Riker, P.E.
Sr. Project Manager

APPENDIX C

DESIGN DRAWINGS

SITE DATA		
CURRENT ZONING: D-IL LIGHT INDUSTRIAL		
	REQUIRED	PROVIDED
LOT DIMENSIONS:		
LOT AREA (MIN)	5,000 SF	238,445 SF (5.47+/- ACRES)*
LOT WIDTH (MIN)	50'	300'
LOT COVERAGE:		
BUILDING COVERAGE: (MAX)	100%	35.10%
IMPERVIOUS COVERAGE: (MAX)	100%	94.35%
BUILDING SETBACKS:		
FRONT (MIN)	0'	445'
CORNER SIDE YARD (MIN)	0'	N/A
INTERIOR SIDE YARD (MIN)	0'	33.63'
REAR YARD	0'	111.15'
BUILDING HEIGHT (MAX):	4 STORIES	1 STORY
BICYCLE PARKING:	1/25,000 GROSS FLOOR AREA	80,940/25,000 = 4 (3 LONG TERM)
PARKING:	N/A	113



PROJECT LOCATION MAP
SCALE: NTS

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JASON P. UTZIG
059696
LICENSED PROFESSIONAL ENGINEER

132 DINGENS STREET BUFFALO, NEW YORK
PINTO CONSTRUCTION

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: J41,010,003
DATE: 09/30/2022
SCALE: 1"=50'
DRAWN BY: S. SCHIENER
DESIGNED BY: J. UTZIG
CHECKED BY: J. UTZIG

OVERALL SITE PLAN

C-100

SITE PLAN NOTES

1. SURVEY INFORMATION WAS PROVIDED BY PINTO CONSTRUCTION SERVICES, INC. DATED 07/08/2022. 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.

4. ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.

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

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

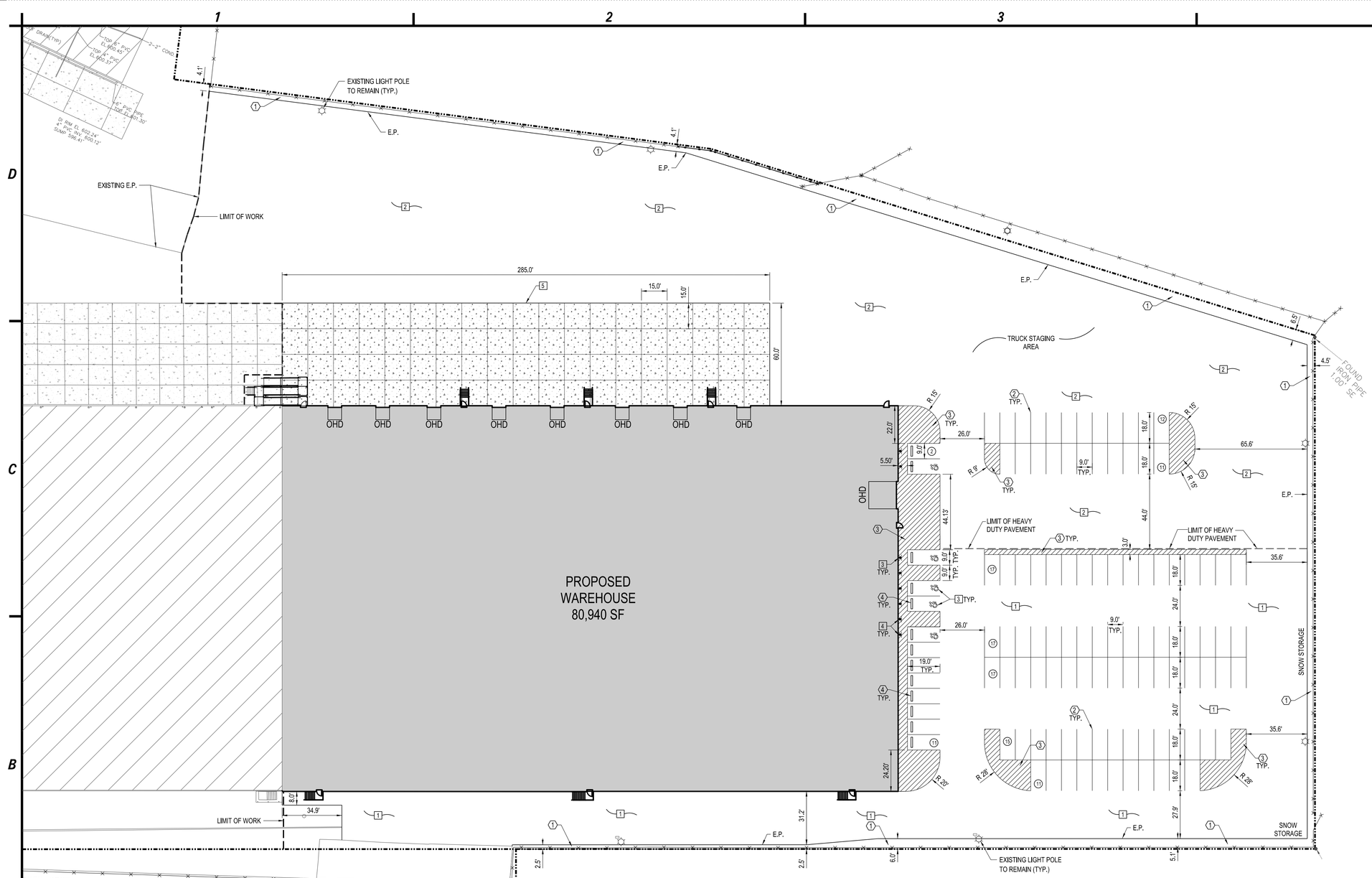
SITE PLAN PROPOSED LEGEND

- PROPERTY LINE
- (5) NUMBER OF PARKING SPACES
- DOOR LOCATION
- E.P. EDGE OF PAVEMENT
- EXISTING LIGHT POLE
- EXISTING FENCE
- OHD OVERHEAD DOOR

50' 50 0 50 100 FT.

PLAN NORTH

CADD NO.



SITE PLAN DETAIL LEGEND

1. STANDARD DUTY ASPHALT PAVEMENT SECTION - SEE DRAWING C501/D1
2. HEAVY DUTY ASPHALT PAVEMENT SECTION - SEE DRAWING C501/C1
3. ACCESSIBLE SIGNS & MARKINGS - SEE DRAWING C501/B1
4. SIGN POST - SEE DRAWING C501/A1
5. CONCRETE PAVEMENT - SEE DRAWING C501/A2, B2, C2 & D2

SITE PLAN SHEET KEYNOTES

1. STONE SUBBASE
2. 4" WIDE PAINTED YELLOW PAVEMENT STRIPES
3. 4" WIDE PAINTED YELLOW PAVEMENT STRIPES @ 45° AND 2'-0" O.C.
4. INSTALL 6' LONG RECYCLED RUBBER PARKING BUMPER, "PARK IT" BY GNR TECHNOLOGIES OR EQUAL

SITE PLAN PROPOSED LEGEND

- PROPERTY LINE
- (5) NUMBER OF PARKING SPACES
- DOOR LOCATION
- E.P. EDGE OF PAVEMENT
- EXISTING LIGHT POLE
- EXISTING FENCE
- OHD OVERHEAD DOOR

30 0 30 60 FT.

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132 DINGENS STREET BUFFALO, NEW YORK PINTO CONSTRUCTION

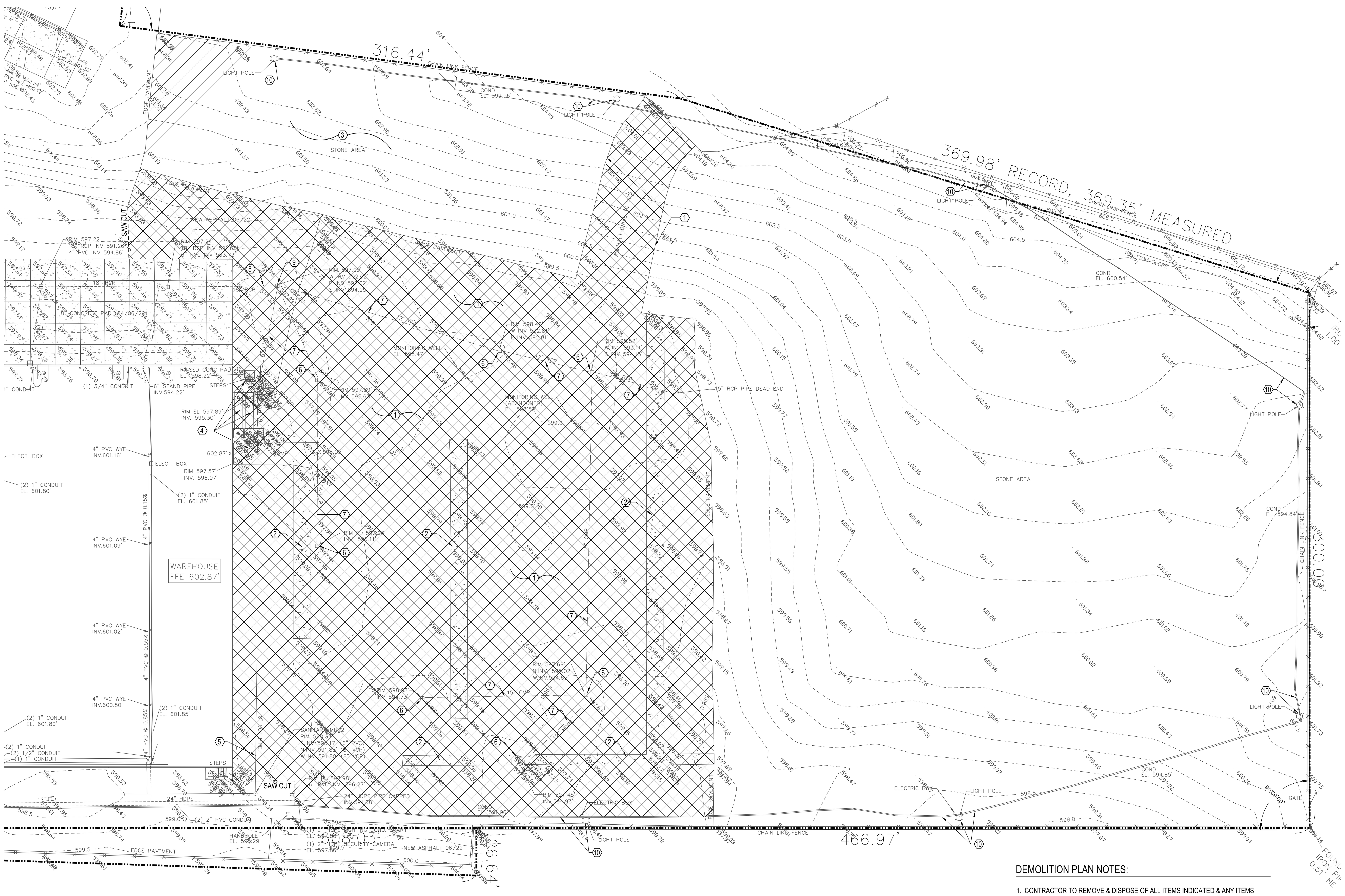
MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO: J41.010.003
DATE: 09/30/2022
SCALE: 1"=30'
DRAWN BY: S. SCHIENER
DESIGNED BY: J. UTZIG
CHECKED BY: J. UTZIG

SITE PLAN

C-101

USER
DATE
SYSTIME
TIME



DEMOLITION PLAN NOTES:

1. CONTRACTOR TO REMOVE & DISPOSE OF ALL ITEMS INDICATED & ANY ITEMS INCIDENTAL TO THE CONSTRUCTION AS REQUIRED.

2. CONTRACTOR SHALL PROTECT/PRESERVE ALL EXISTING ITEMS TO REMAIN, INCLUDING, BUT NOT LIMITED TO BUILDINGS, PAVEMENT, OVERHEAD & BURIED UTILITIES, TREES LANDSCAPING, ETC. DAMAGE TO ITEMS SCHEDULED TO REMAIN SHALL BE REPAIRED OR REPLANTED AT NO ADDITIONAL COST TO THE OWNER.

3. UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL HAVE ALL UNDER -GROUND FACILITIES LOCATED AND MARKED PRIOR TO EXCAVATION/DEMOLITION/ CONSTRUCTION.

4. ALL UTILITY TERMINATIONS SHALL BE IN ACCORDANCE W/ THE APPLICABLE UTILITY COMPANY REQUIREMENTS.

5. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL MATERIALS/DEBRIS REMOVED FROM THE SITE.

6. THIS PLAN IS PREPARED FROM A SURVEY SHOWING KNOWN SURFACE FEATURES. IT IS INTENDED AS A GUIDE TO THE CONTRACTOR, NOT AS A COMPLETE AND UNIVERSAL DEMOLITION PLAN. SEE THE SITE PLAN. MORE FEATURES (NOT INDICATED) MAY REQUIRE DEMOLITION TO CONSTRUCT THE SITE PLAN. CONTRACTOR MUST VISIT THE SITE TO CONFIRM DEMOLITION EFFORT PRIOR TO BIDDING.

7. REMOVE CONCRETE SIDEWALK AND/OR PAVEMENT TO THE LIMITS INDICATED. SAW CUT CONCRETE TO THE NEAREST EXISTING CONTROL/EXPANSION JOINT.

8. BUILDING DEMOLITION SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS/REGULATIONS.

9. MAINTAIN STORM SEWER CONTINUITY & POSITIVE DRAINAGE DURING DEMOLITION, REMOVAL & CONSTRUCTION OF STORM SEWERS & INLETS.

DEMOLITION PLAN SHEET KEYNOTES

1. ASPHALT PAVEMENT & SUBBASE TO BE REMOVED.
2. CONCRETE PAVEMENT & SUBBASE TO BE REMOVED.
3. STONE AREA TO BE REMOVED.
4. RAMP, STEPS AND CONCRETE PAD TO BE REMOVED.
5. REMOVE EXISTING 8" VCP PIPE.
6. REMOVE STORM STRUCTURE.
7. REMOVE STORM PIPE.
8. EXISTING STORM PIPE TO REMAIN.
9. EXISTING STORM STRUCTURE TO REMAIN. RIM TO BE RAISED. SEE GRADING PLAN.
10. EXISTING LIGHT POLE(S) AND CONDUIT TO REMAIN. POLE(S) AND CONDUIT MAY NEED TO BE RAISED/ADJUSTED.

DEMOLITION PLAN PROPOSED LEGEND:

X	ITEM TO BE REMOVED
(dashed box)	SAWCUT AREA
(cross-hatched box)	ASPHALT/CONCRETE TO BE REMOVED

30 0 30 60 Ft.
30'

PLAN NORTH

USER **DATE** **SYTIME** **TIME**

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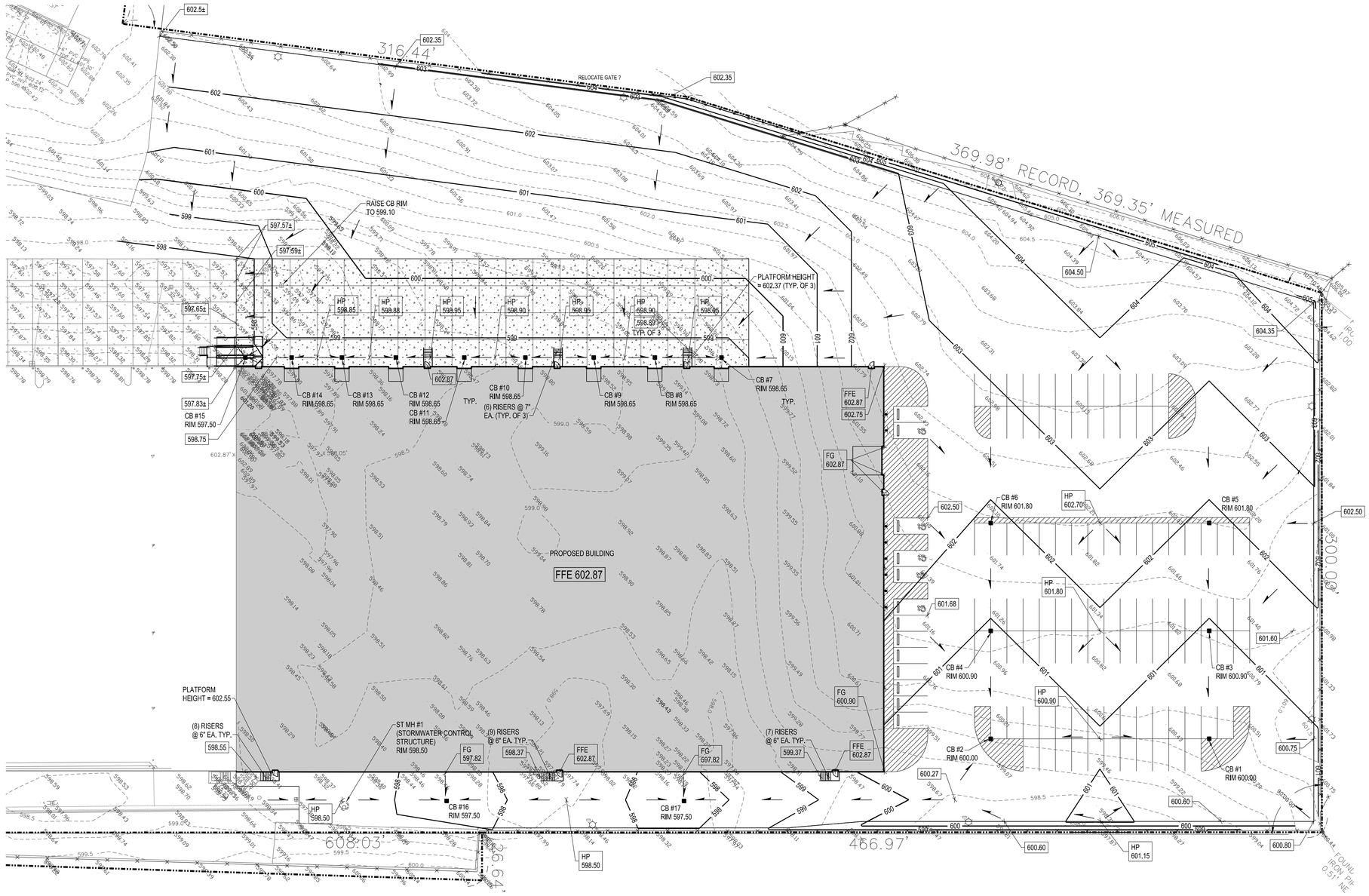
PROJECT NO: J41.010.003
DATE: 09/30/2022
SCALE: 1"=30'
DRAWN BY: S. SCHIENER
DESIGNED BY: J. UTZIG
CHECKED BY: J. UTZIG

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

DEMOLITION PLAN

C-102



GRADING PLAN LEGEND

- PROPERTY LINE
- PROPOSED CURB
- EXISTING POINT ELEVATION
- PROPOSED POINT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TC — TOP OF CURB
- BC — BOTTOM OF CURB
- HP — HIGH POINT
- FLOW DIRECTION

30 0 30 60 Fl.

PLAN NORTH

"USER1" "TIME"
"DATE"
"SYTIME"

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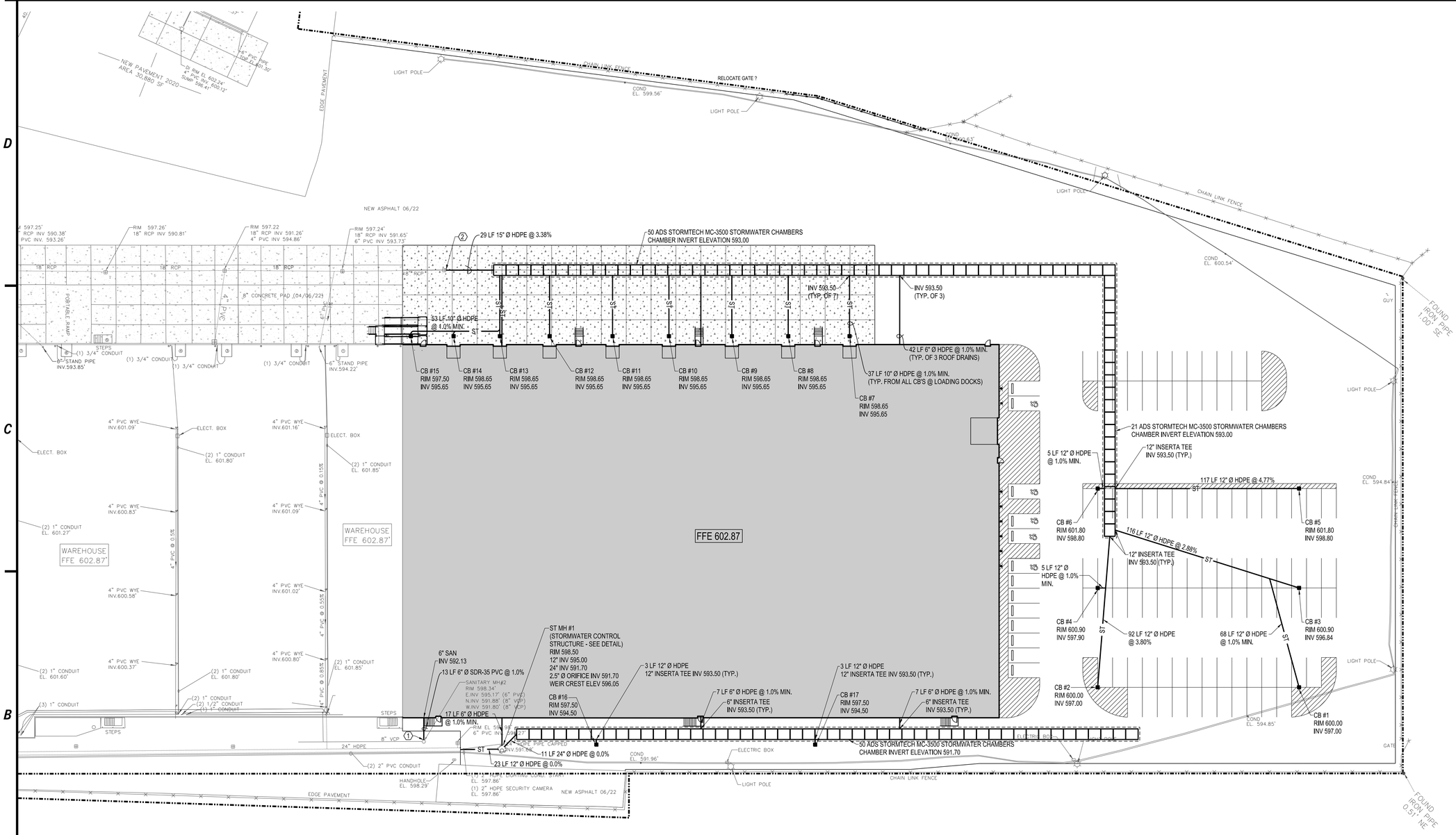
DATE: 09/30/2022
SCALE: 1"=30'
DRAWN BY: S. SCHIENER
DESIGNED BY: J. UTZIG
CHECKED BY: J. UTZIG

GRADING PLAN

C-103



UTILITIES MATERIAL NOTES:

1. STORM SEWERS
   - A. CORRUGATED POLYETHYLENE PIPE
     1. SMOOTH INTERIOR PIPE.
     2. CONFORM TO AASHTO M294.
     3. ACCEPTABLE PRODUCTS: N-12 ADVANCED DRAINAGE SYSTEMS, INC., HI-Q BY HANCOR, OR ACCEPTED EQUAL.
2. SANITARY SEWERS
   - A. PIPE AND FITTINGS - SDR35 PVC CONFORMING TO ASTM D3034 W/ RUBBER GASKETED JOINTS MEETING ASTM D-3212 STANDARDS.
   - B. PIPE BEDDING - NYSDOT NO. 1 CRUSHED STONE OR NO. 1 WASHED GRAVEL.

UTILITY PLAN SHEET KEYNOTES

(1) CORE & CONNECT TO EXISTING MANHOLE @ INV 592.00
(2) CONNECT AT EXISTING EAST INV 592.02

UTILITY PLAN LEGEND

SANITARY SEWER	SA
STORM SEWER	ST
MANHOLE	(S) MH
CATCH BASIN	■ CB
CLEAN OUT	○ C.O.

30' 30 0 30 60 FT.

PLAN NORTH

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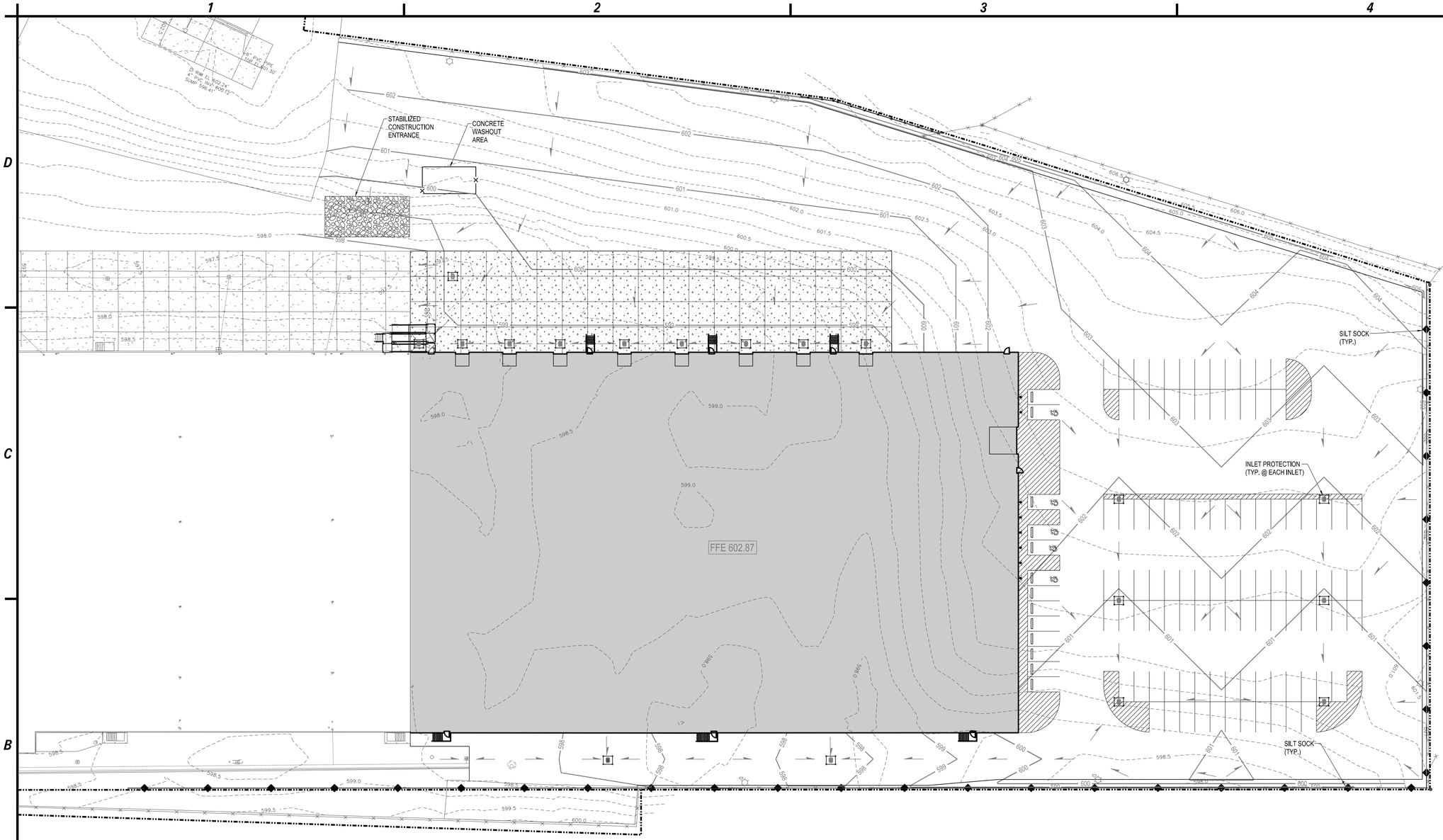
MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO: J41.010.003
DATE: 09/30/2022
SCALE: 1"=30'
DRAWN BY: S. SCHIENER
DESIGNED BY: J. UTZIG
CHECKED BY: J. UTZIG

UTILITY PLAN

C-104

USER
DATE
SYTIME
TIME



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 AND INLET MANHOLES WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT FENCE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
2. ALL EARTHWORK SHALL FOLLOW THE PROJECT SITE SOIL MANAGEMENT PLAN AND CITY SMP. SOIL REMOVED FROM SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL CITY AND NYSDEC REQUIREMENTS.
3. ALL SILT FENCE BARRIERS SHALL BE REPLACED WHEREVER THEY BECOME CLOGGED OR INOPERABLE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND 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 SPREAD 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 AND 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 AND SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE AND AS SOON AS PHYSICALLY POSSIBLE.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES, AND CULVERTS. SILT BUILDUP 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 CITY.
9. IN ADDITION TO STORM WATER DISCHARGES, THE FOLLOWING NON-STORM WATER DISCHARGES MAY CONTRIBUTE TO THE RUNOFF FROM THE SITE:
   - WATER FROM WATER SERVICE FLUSHINGS
   - WATER USED TO WASH DOWN CONSTRUCTION VEHICLES (NO DETERGENTS)
   - WATER USED FOR DUST CONTROL
   - UNCONTAMINATED GROUNDWATER

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

EROSION & SEDIMENT CONTROL PLAN LEGEND

- INLET PROTECTION
- SILT SOCK
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY CONCRETE WASHOUT AREA

PLAN NORTH

30' 30 0 30 60 Ft.

CADD NO.

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141 Elm St. Suite 100
Buffalo, New York 14203
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STATE OF NEW YORK · JASON P. UTZIG · 089686 · LICENSED PROFESSIONAL ENGINEER

132 DINGENS STREET
BUFFALO, NEW YORK

PINTO CONSTRUCTION

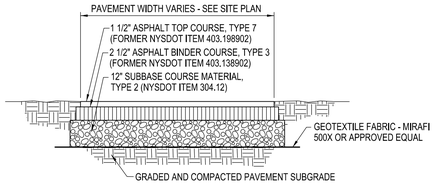
MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	J41.010.003
DATE:	09/30/2022
SCALE:	1"=30'
DRAWN BY:	S. SCHIENER
DESIGNED BY:	J. UTZIG
CHECKED BY:	J. UTZIG

EROSION & SEDIMENT CONTROL PLAN

C-105

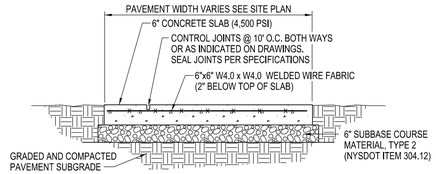
USER
DATE
SYTIME
TIME



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 STANDARD DUTY ASPHALT PAVEMENT

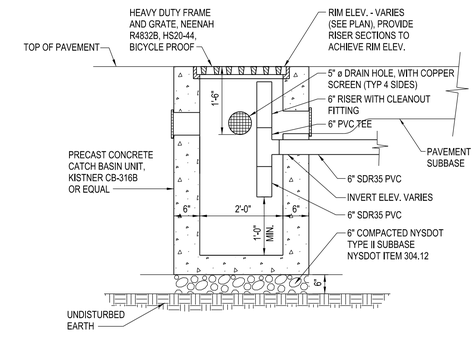
SCALE: N.T.S.



NOTE: CONCRETE PAVEMENT MATERIAL SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 501 AND CONSTRUCTION METHODS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 502.3

D2 EXTERIOR CONCRETE SLAB-ON-GRADE SECTION

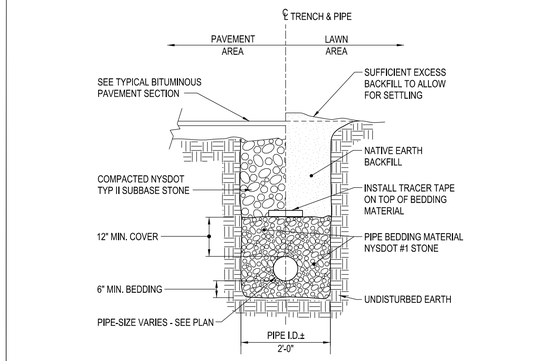
SCALE: N.T.S.



NOTE: SEE CITY OF BUFFALO DETAIL FOR ADDITIONAL INFORMATION

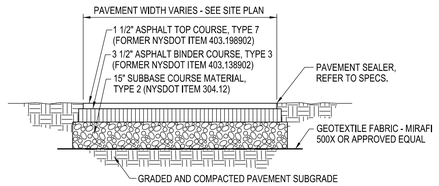
D3 TYPICAL CATCH BASIN (CITY OF BUFFALO)

SCALE: N.T.S.



D4 STORM PIPE TRENCH SECTION

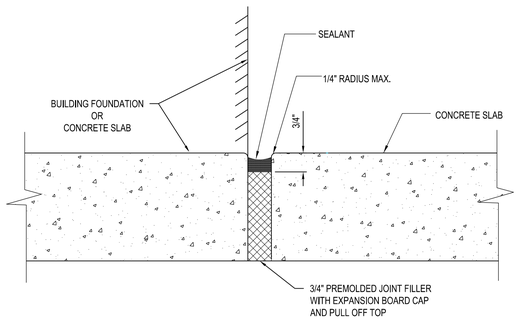
SCALE: N.T.S.



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.

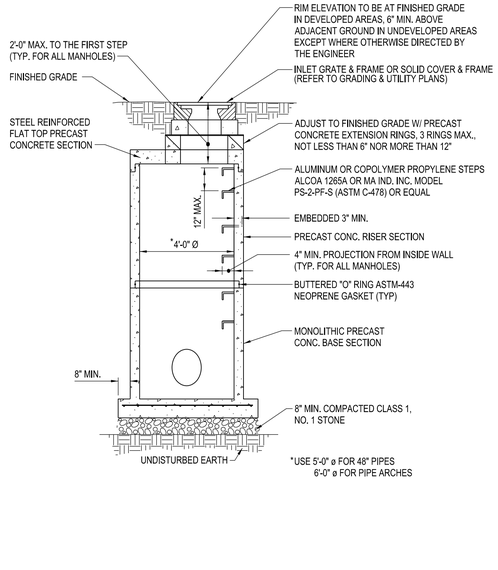
C1 HEAVY DUTY ASPHALT PAVEMENT

SCALE: N.T.S.



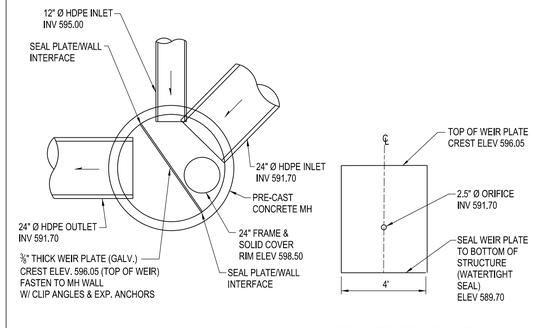
C2 ISOLATION JOINT DETAIL

SCALE: N.T.S.



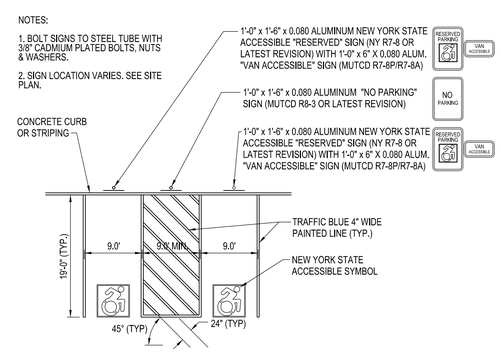
B3 STORM MANHOLE DETAIL

SCALE: N.T.S.



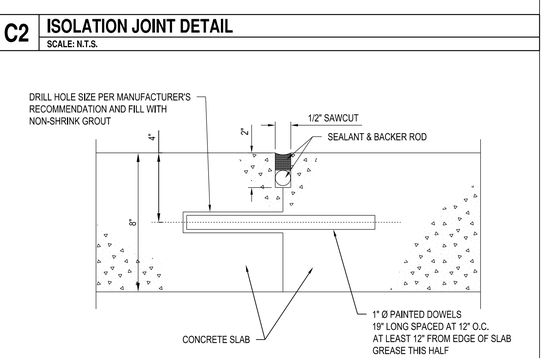
C4 STORMWATER CONTROL STRUCTURE

SCALE: N.T.S.



B1 ACCESSIBLE SIGNS AND MARKINGS

SCALE: N.T.S.

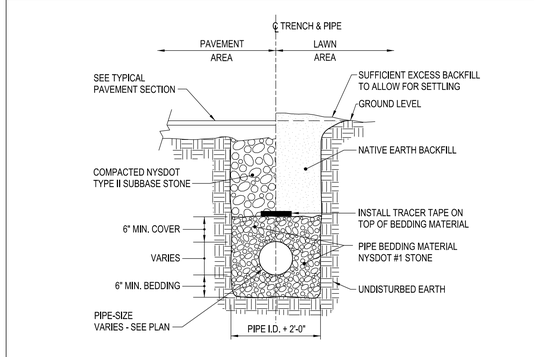


B2 CONSTRUCTION JOINT WITH DOWEL BAR

SCALE: N.T.S.

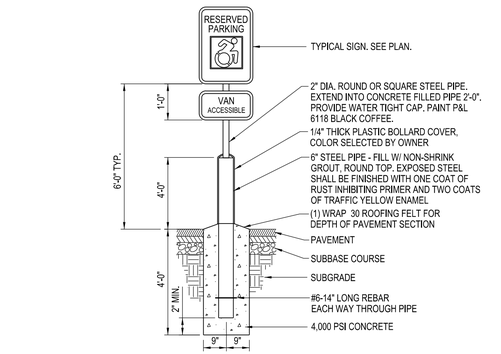
B3 STORM MANHOLE DETAIL

SCALE: N.T.S.



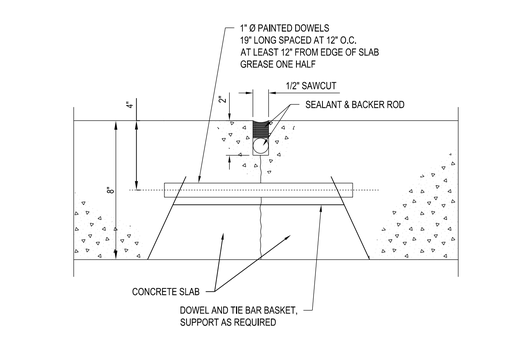
B4 SANITARY SEWER TRENCH SECTION

SCALE: N.T.S.



A1 SIGN POST

SCALE: N.T.S.



A2 CONTRACTION JOINT WITH DOWEL BAR

SCALE: N.T.S.

A3 NOT USED

SCALE: N.T.S.

A4 NOT USED

SCALE: N.T.S.

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132 DINGENS STREET
BUFFALO, NEW YORK

PINTO CONSTRUCTION

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: J41,010,003
DATE: 09/30/2022
SCALE:
DRAWN BY: S. SCHIENER
DESIGNED BY: J. UTZIG
CHECKED BY: J. UTZIG

SITE & UTILITY DETAILS

C-501

USER
DATE
SYSTIME
TIME

STABILIZED CONSTRUCTION ENTRANCE NOTES:

1. STONE SIZE - USE 2" STONE, WASHED, CRUSHED.

2. LENGTH - NOT LESS THAN 50 FEET

3. THICKNESS - NOT LESS THAN SIX (6) INCHES

4. WIDTH - TWELVE (12) FOOT MINIMUM, BU NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.

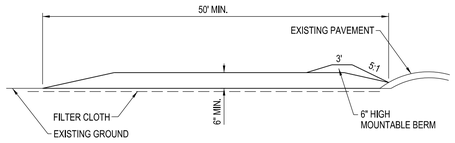
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

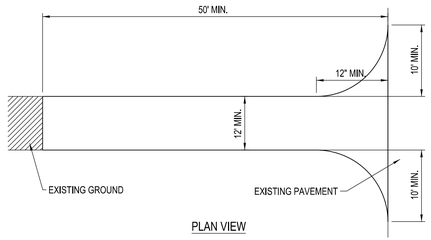
7. MAINTENANCE - THE ENTRANCE SHALL BE MANTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC-RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE & WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9. PERIODIC INSPECTION & NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



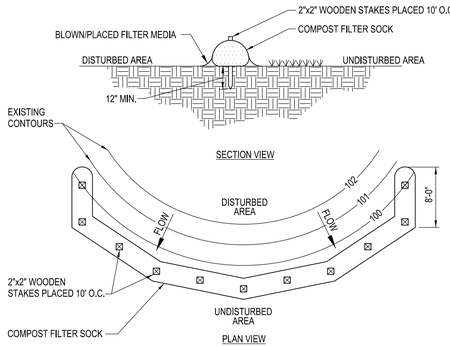
PROFILE



PLAN VIEW

C1 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

SCALE: N.T.S.



ADAPTED FROM DETAILS PROVIDED BY: FILTREXX

COMPOST STANDARDS TABLE	
ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT)
ORGANIC PORTION	FIBROUS & ELONGATED
PH	6.0 - 8.0
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	100 % PASSING A 1" SCREEN 10 - 50% PASSING A 3/8" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 ds/M (mmhos/cm) MAXIMUM

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1. COMPOST SHALL MEET THE STANDARDS LISTED ON OF TABLE 5.2.

2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT (FIGURE 5.2). MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE X.X. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.

3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.

4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK & DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

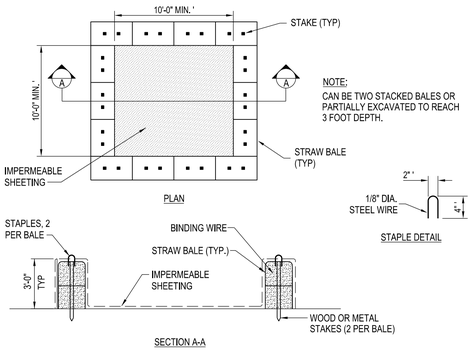
5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

C2 COMPOST FILTER SOCK

SCALE: N.T.S.



CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS & WATER COURSES & AWAY FROM CONSTRUCTION TRAFFIC.

2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER & SOLIDS & MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET x 10 FEET x 3 FEET DEEP.

3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMMPERMEABLE SHEETING, FREE OF HOLES & TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.

4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.

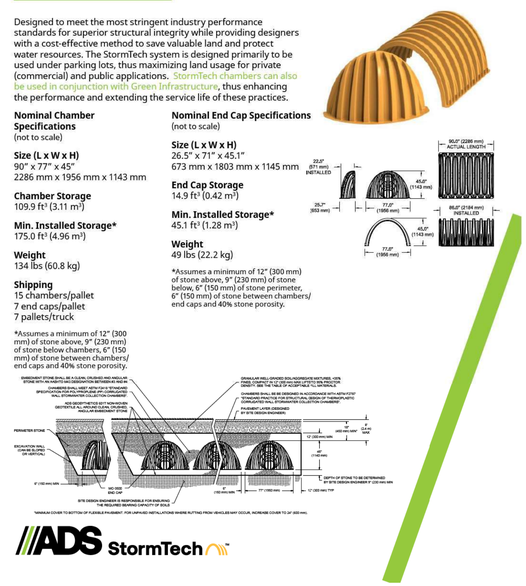
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPEREABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED,) EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75% FULL, & DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT RE-USE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED & DISPOSE OF IN AN APPROVED MANNER.

6. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DIPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

7. CONTRACTOR TO COORDINATE FINAL LOCATION OF CONCRETE WASHOUT WITH OWNER'S REPRESENTATIVE.

D3 TEMPORARY CONCRETE WASHOUT AREA DETAIL

SCALE: N.T.S.



NOTE:
CONTRACTOR TO PROVIDE SHOP DRAWING/SUBMITTAL DRAWINGS BY ADS STORMTECH FOR ENGINEERS REVIEW AND APPROVAL.

B3 ADS STORMTECH MC-3500 CHAMBERS

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/m² (gal/min/ft²)	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/m² (gal/min/ft²)	5907 (145)
PERMITTIVITY	ASTM D 4491	Sec⁻¹	2.1

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

A1 FILTER SACK INLET PROTECTION

SCALE: N.T.S.

CONSTRUCTION JOINT WITH DOWEL BAR

SCALE: N.T.S.

A3 NOT USED

SCALE: N.T.S.

A4 NOT USED

SCALE: N.T.S.

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BUFFALO, NEW YORK

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MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: J41.010.003
DATE: 09/30/2022
SCALE:
DRAWN BY: S. SCHIENER
DESIGNED BY: J. UTZIG
CHECKED BY: J. UTZIG

EROSION & SEDIMENT CONTROL DETAILS

C-502

"USER" "DATE" "SYTIME" "TIME"

CADD NO.