Notification Addendum to Excavation Work Plan:

New Concrete Plant Construction

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229 Homer Street
Site No. C905044
Olean, New York

June 2025

Prepared for:

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Prepared by:

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Appendices

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) December 2018 Site Management Plan (SMP), updated in January 2024, for 229 Homer Street Brownfield Cleanup Program (BCP) Site No. C905044 (Ref. 1) located at 229 Homer Street, Olean, New York (see Figure 1).

This Notification Addendum to Excavation Work Plan (EWP) is being submitted in accordance with the Department-approved SMP and includes details regarding planned intrusive activity prior to construction of a new ready mix concrete plant. Appendix A includes the EWP prepared by Roux Environmental Engineering and Geology, D.P.C (Roux) and submitted as Appendix F to the updated 2024 SMP (Ref. 2). The 60-Day Advance Notification of Site Change of Use form was submitted to NYSDEC on April 15, 2025 and acknowledged by NYSDEC on April 18, 2025. Appendix B includes a copy of the 60-Day Advance Notification of Site Change of Use form and the NYSDEC acknowledgement.

1.1 Background

Benson Construction and Development, LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC in October 2015 to investigate and remediate the approximate 3.34-acre property comprised of one tax parcel identified as 229 Homer Street (SBL#94.032-1-2.5) in the City of Olean, Cattaraugus County, New York and referred to as the 229 Homer Street Site (see Figure 1). The BCA was amended in October 2017 to add Homer Street Properties, LLC as an additional Applicant (Volunteer) to the existing BCA. In December 2018, the BCA was amended to transfer property ownership of the Site from Benson Construction and Development, LLC to Homer Street Properties, LLC. The Certificate of Completion (COC) was issued to Homer Street Properties, LLC on December 28, 2018. On January 24, 2025, Homer Street Properties, LLC conveyed title to the Site to Jamestown Macadam, Inc. Jamestown Macadam, Inc. plans to construct a ready-mix concrete plant on-site. The following sections describe the work to be conducted.

1.2 Purpose

The purpose of this Work Plan is to notify the Department of planned intrusive activities related to the construction of the concrete plant that may result in exposure to remaining contamination on-site. This Work Plan has been prepared in accordance with the May 2010 NYSDEC DER-10 (Ref. 3) and December 2018 SMP (updated January 2024). 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:

- **June-July 2025:** Installation of concrete piers, water line, and concrete plant equipment, and completion of exterior asphalt and concrete cover system restoration
- **August 2025:** Preparation of the Construction Closeout Report (CCR).
- **September 2025:** Preparation of update to SMP.

2. Site Description

2.1 General

The BCP property, located at 229 Homer Street (Tax ID No. 94.032-1-2.5), is situated in a commercial and industrial zoned area of the City of Olean, Cattaraugus County, New York and consists of one parcel measuring approximately 3.34 acres. The Site is currently improved with a 7,500-square foot, one-story building in the central portion of the Site. This Work Plan provides procedures to be followed during intrusive activities related to construction of a ready-mix concrete plant on-site.

2.2 Site History

The 229 Homer Street Redevelopment Site and surrounding area were originally developed in approximately 1890 for the oil industry and used for refinery purposes and as petroleum storage tank farm. The site was historically occupied by a large tank, used for oil storage by Socony Vacuum and/or Felmont Oil, and two tank berm areas. The Site was identified as part of the Exxon/Mobil Legacy Site (EMLS) Works #3 area. EMLS operated as an oil refiner in the area under several different names from approximately 1880 to 1950s.

2.3 Summary of Remedial Actions

Previous environmental investigations identified the presence of petroleum odors, elevated photoionization detector (PID) measurements, abandoned piping, and LNAPL, as well as elevated volatile organic compounds (VOC) tentatively identified compounds (TICs) indicating significant petroleum impacts. Remedial activities commenced in 2015 and were completed in 2018. The Site was remediated in accordance with the February 2018 RAWP (Ref. 4). A total of 5,814.47 tons of grossly contaminated soil (GCS) was excavated and disposed of off-site at a permitted solid waste facility. A total of 8,233 tons of screened gravel and 191 tons of surge stone meeting the requirements of 6NYCRR Part 375-6.7(d) was imported 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 a minimum of 12 inches of clean gravel, an existing building pad, and concrete pads. The Environmental Easement for the Site was executed by the Department on August 7, 2017, and filed with the Cattaraugus County Clerk on October 19, 2017, to restrict land use to commercial/industrial operations and prevent future exposure to any contamination remaining on-site.

2.3.1 Remaining Contamination

The Site was remediated to remove abandoned subsurface piping and contents and GCS. The completed Track 4 commercial cleanup is consistent with the intended commercial/industrial use of the Site. Residual contamination at the Site above unrestricted soil cleanup objectives (USCOs) is present beneath the cover system (i.e., minimum 1 foot below ground surface; fbgs) to the groundwater interface. Based on the planned construction of the concrete plant, remaining residual contamination beneath the cover system may be encountered.

3. Redevelopment Activities

The BCP Site will be redeveloped as a ready-mix concrete plant including the construction of two silos, a 160-ton aggregate batcher, a 30-inch conveyor with walkway, and a dust collector. The southwest exterior of the Site will be designated for outdoor storage and the existing on-site building will be used for offices, a break room, and storage. Excavation of a utility corridor for water will also be conducted. Roux will provide construction oversight and monitoring. Benson Construction & Development (Benson) will be the Site contractor performing the intrusive work and repairing the cover system.

3.1 Site Preparation

3.1.1 Utility Clearance

Benson 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 Olean Permits

Benson will acquire the necessary City of Olean building permits prior to initiating the work.

3.2 Excavation Activities

Planned excavations related to equipment foundations include the installation of 14 concrete piers (A through N) to approximate depths of 5 fbgs. Excavation for the water utility will also be conducted. Soil is planned to be reused on-site under the cover system unless impacts are observed. A Qualified Environmental Professional (QEP) as defined in 6NYCRR Part 375 from Roux will perform soil/fill screening via visual, olfactory and PID and perform the air monitoring described in Section 4.2. Planned excavation activities will not have any impact on the existing on-site groundwater monitoring wells. Appendix C includes the design drawings showing foundation construction plans for the ready-mix concrete plant equipment.

3.2.1 Water Management

Groundwater, if encountered, will be pumped from the excavation, placed in temporary containers, and handled, transported, and disposed in accordance with applicable local, State, and Federal regulations. .

3.3 Backfill Materials

3.3.1 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.

- **Excavated, On-Site Soil/Fill**: Soil that is not grossly contaminated[1] (i.e., strong petroleum-like odors and PID readings >100 ppm, or sheen/floating product) will be reused on-site below the cover system.

[1] The Site was remediated for GCS, identified based on strong petroleum-like odors, sheen/floating product and elevated PID readings (>1,000 ppm) in subsurface soil/fill (generally ranging in depth from 5 to 15 fbgs).

3.3.2 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 April 2023 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 QEP 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. The following estimated quantities will be imported to the Site:

- Temporary berm required of construction Storm Water Pollution Prevention Plan (SWPPP): 100 cubic yards (CY) of soil, which will be removed at the end of the project
- Foundation backfill: 500 CY of structural fill
- Water line backfill: 15 CY of 2-inch crusher run for boring pit bedding, 20 CY of pipe bedding sand, and 135 CY of soil/fill (if excavated soil is unsuitable for reuse)

3.4 Non-Reusable Material

Excavated material from beneath the demarcation layer that exhibits evidence of gross impact will be properly transported and disposed off-site at the Waste Management Chaffee Landfill. Landfill disposal and recycling documents will be provided to the Department in the CCR.

3.5 Site Restoration

The cover system will be restored by Benson to pre-construction conditions following construction of the plant. 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

Intrusive activities will be performed in accordance with the Health and Safety Plan (HASP), Appendix H of the SMP, which 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). During intrusive activities, Roux will provide two monitoring stations, one upwind and one downwind, adjusted on a daily or more frequent basis based on actual wind directions.

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 demolition and 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 emailed to the NYSDEC Project Manager as they become available and included as part of the CCR. The NYSDEC will be promptly notified of problems requiring modifications to this Work Plan prior to proceeding with 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 demolition and 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 the concrete plant construction details will be incorporated into the SMP upon completion of construction activities. The SMP update will include:

- A summary of demolition activities.
- A summary of all construction details and new cover systems related to the concrete plant.
- 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

Roux Environmental Engineering and Geology, D.P.C. *Site Management Plan Update, 229 Homer Street Redevelopment Site (C905044), City of Olean, Cattaraugus County, New York.* January 2024.

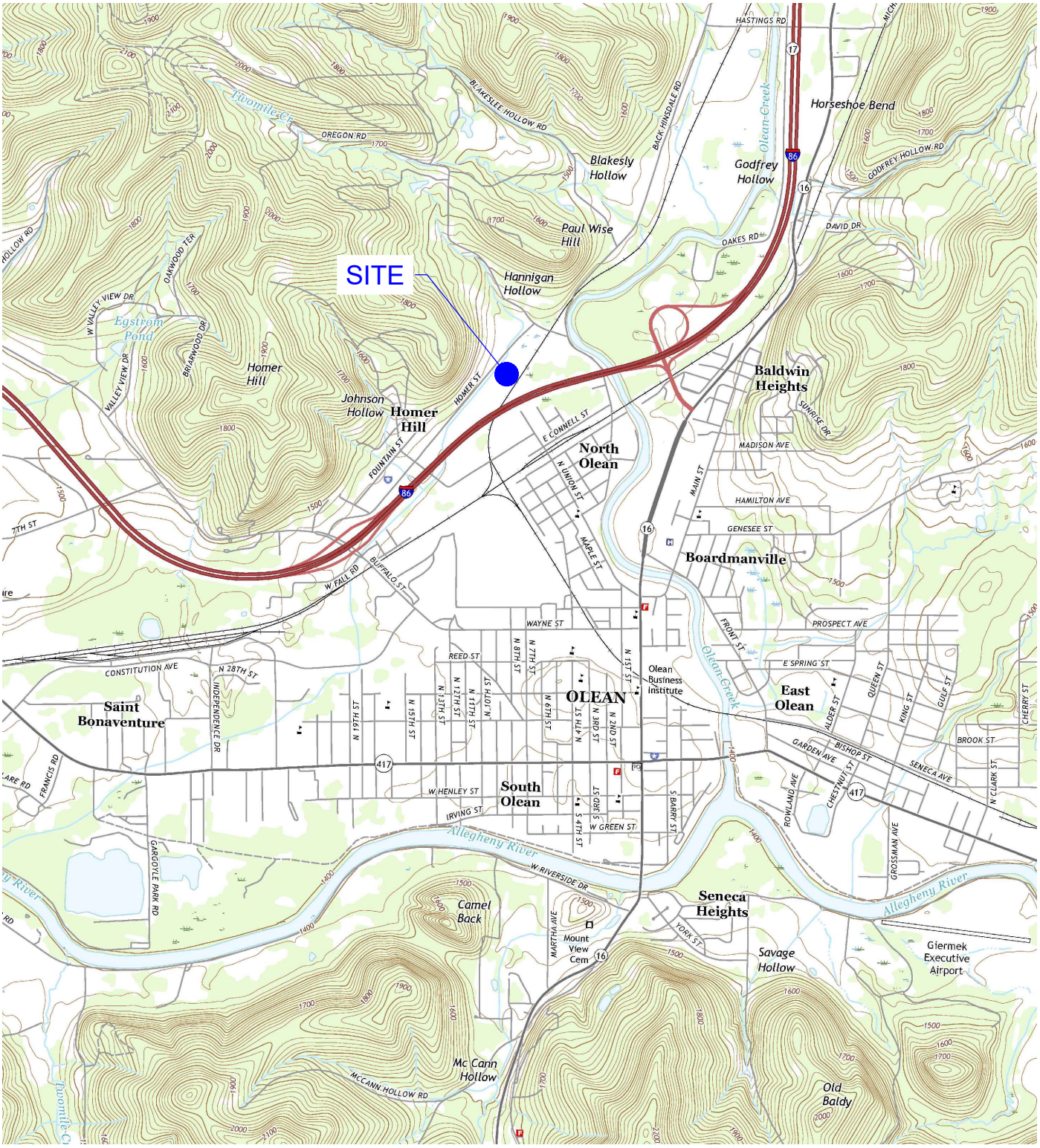
Roux Environmental Engineering and Geology, D.P.C. *SMP Update Appendix F: Excavation Work Plan, 229 Homer Street Redevelopment Site (C905044), City of Olean, Cattaraugus County, New York.* January 2024.

New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation.* May 2010.

TurnKey Environmental Restoration, LLC in association with Benchmark Environmental Engineering & Science, PLLC. *Remedial Action Work Plan (RAWP), 229 Homer Street Redevelopment Site (C905044), City of Olean, Cattaraugus County, New York.* Approved by the NYSDEC in March 2018.

FIGURES

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



QUADRANGLE LOCATION

NOTES:
1. BASE MAP OLEAN, NEW YORK USGS QUADRANGLE, 2016.
2. APPROX. SCALE 1"=3,000 FEET.

Title:

SITE LOCATION AND VICINITY MAP

Notification Addendum to Excavation Work Plan

229 HOMER STREET (BCP SITE NO. C905044)
OLEAN, NEW YORK

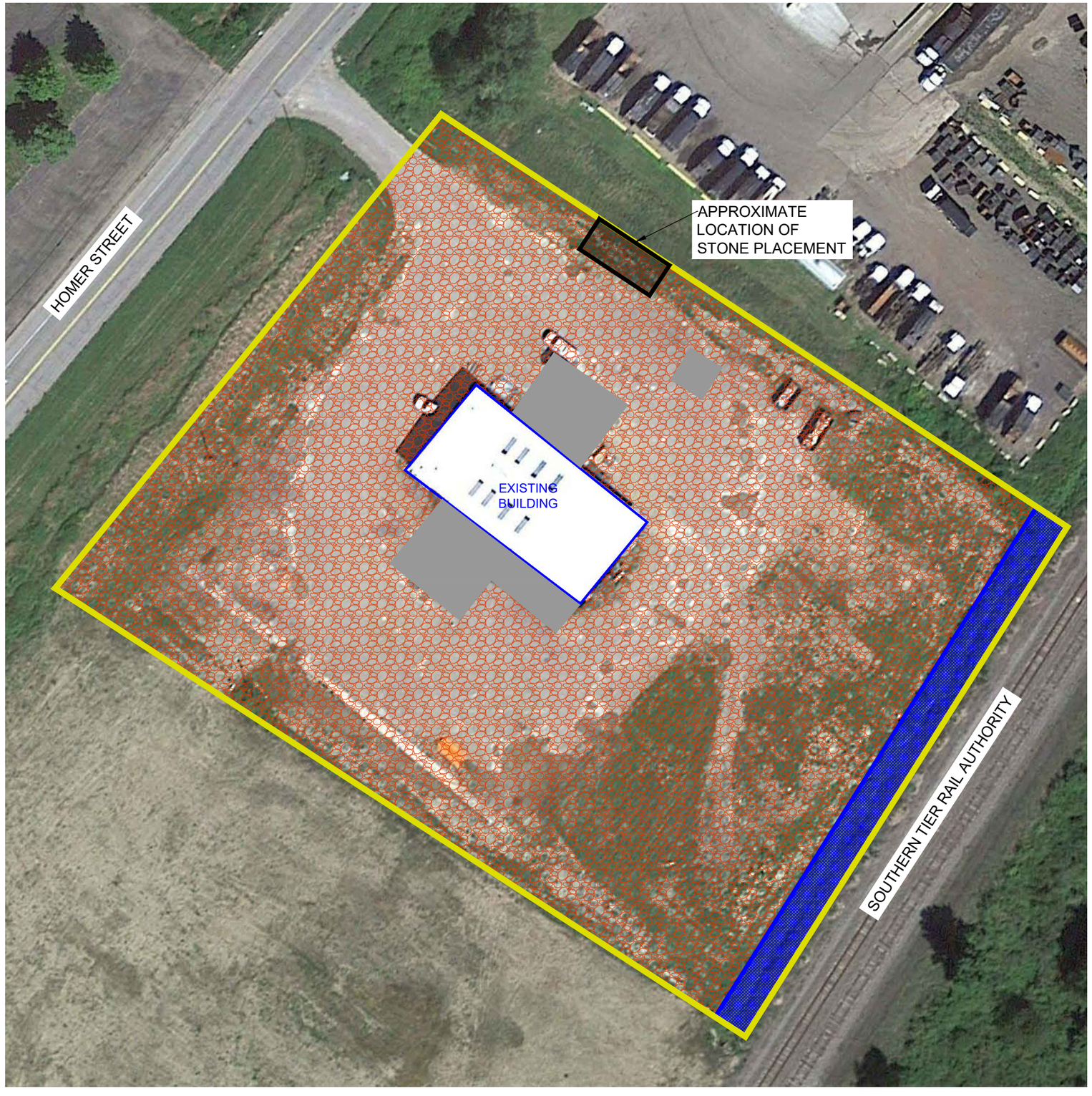
Prepared for:

JAMESTOWN MACADAM, INC.

ROUX

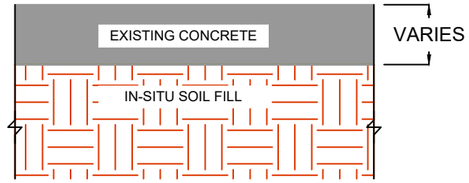
Compiled by:	Date: MAY 2025	FIGURE
Prepared by: CMC	Scale: AS SHOWN	
Project Mgr: LER	Project: 4968.0002B000	1
File: FIGURE 1; SITE LOCATION AND VICINITY MAP - R1.DWG		

\\SRVBFNYAFS1\BUFFALOSHARED\CAD\TURNKEY\BENSON\229 HOMER STREET\00-PRR\FIGURE 1; SITE LOCATION AND VICINITY MAP - R1.DWG



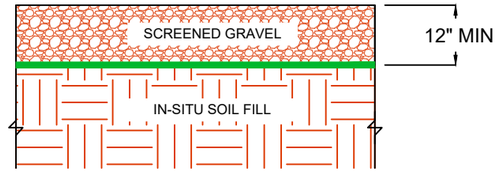
EXISTING CONCRETE COVER SYSTEM DETAIL

NTS



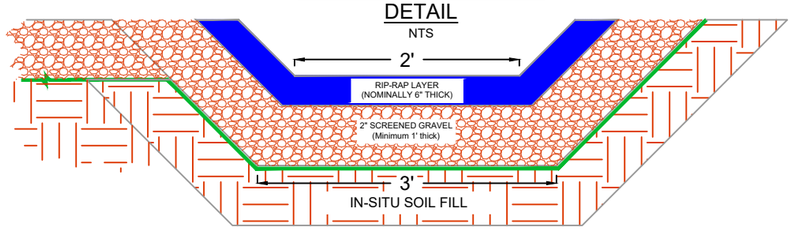
2" SCREENED GRAVEL COVER SYSTEM DETAIL

NTS



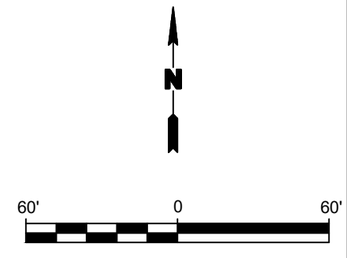
SWALE COVER SYSTEM DETAIL

NTS



LEGEND:

- BCP AND PROPERTY BOUNDARY
- SWALE COVER SYSTEM
- CONCRETE COVER SYSTEM
- GRAVEL COVER SYSTEM
- DEMARCATION LAYER



Title:

SITE COVER SYSTEM AND DETAILS

Notification Addendum to Excavation Work Plan

229 HOMER STREET (BCP SITE NO. C905044)
OLEAN, NEW YORK

Prepared for:

JAMESTOWN MACADAM, INC.

ROUX

Compiled by:	Date: MAY 2025	FIGURE
Prepared by: JJY	Scale: AS SHOWN	2
Project Mgr: LER	Project: 4968.0002B000	
File: FIGURE 4; SITE COVER SYSTEM - R1.DWG		

F:\CAD\0-ROUX\JAMESTOWN MACADAM\PRRS\2025\FIGURE 4; SITE COVER SYSTEM - R1.DWG

APPENDICES

A. SMP Appendix F – Excavation Work Plan

B. Approvals

C. Design Drawings

APPENDIX A

SMP Appendix F – Excavation Work Plan

BROWNFIELD CLEANUP PROGRAM
SITE MANAGEMENT PLAN

APPENDIX F
EXCAVATION WORK PLAN

229 HOMER STREET
NYSDEC SITE NUMBER: C905044
CITY OF OLEAN, NEW YORK

December 2018 0311-018-001
Updated December 2023

Prepared for:

Homer Street Properties, LLC
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Prepared By:

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(716)856-0599

SITE MANAGEMENT PLAN
APPENDIX F: EXCAVATION PLAN
229 HOMER STREET

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Figures

1.0 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination or breach or alter of the site's cover system, the site owner or their representative will notify the NYSDEC contacts listed in the table below. Table F1 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 B.

Table F1: Notifications*

Name	Phone/Email Address
NYSDEC DER Project Manager: Megan Kuczka	716-851-7220 Megan.Kuczka@dec.ny.gov
NYSDEC Regional HW Engineer: Andrea Caprio, P.E.	716-851-7220 Andrea.Caprio@dec.ny.gov
NYSDEC Site Control: Kelly A. Lewandowski, P.E.	518-402-9543 Kelly.Lewandowski@dec.ny.gov

* 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, any modifications of truck routes, 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, and submittals (e.g., reports) to the NYSDEC documenting the completed intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP,29 CFR 1910.120, and 29 CFR 1926 Subpart P;
- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in Appendix G of this SMP;

- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with the required request to import form and all supporting documentation including, but not limited to, chemical testing results.

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

2.0 SOIL SCREENING METHODS

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

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material 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. Further discussion of off-site disposal of materials and on-site reuse is provided in Section 7 of this Appendix.

3.0 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.

4.0 MATERIALS EXCAVATION AND LOAD-OUT

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

The 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. A site utility stakeout will be completed for all utilities prior to any ground intrusive activities at 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). Trucks transporting contaminated soil must have either tight-fitting opaque covers that are secured on the sides and/or back, or opaque covers that are locked on all sides.

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

5.0 MATERIALS TRANSPORT OFF-SITE

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

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

Truck transport routes are as follows: Get on I-86 E/NY-17 E, drive from NY-16 N to Chaffee, Chaffee Landfill will be on the left (See attached Figure 1 Trucking Route from Site to Chaffee Landfill). All trucks loaded with site materials will exit the vicinity of the site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

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 to minimize off-site disturbance. Off-site queuing will be prohibited.

6.0 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 off-site in a permitted facility in accordance with all local, State, and Federal regulations. If disposal of material from this site is proposed for unregulated off-site disposal (i.e., clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC project manager. Unregulated off-site management of materials from this site will not occur without formal NYSDEC project manager approval.

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, (e.g. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility). Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include, but not be limited to: 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 consistent with 6 NYCRR Parts 360, 361, 362, 363, 364 and 365. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State C&D debris recovery facility (6NYCRR Part 360-15 registered or permitted facility).

7.0 MATERIALS REUSE ON-SITE

The qualified environmental professional, as defined in 6 NYCRR Part 375, will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material (i.e., contaminated) does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within the cover system or within landscaping berms. Contaminated on-site material may only be used beneath the site cover as backfill for subsurface utility lines with prior approval from the DEC project manager.

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

Soil/fill material for reuse on-site will be segregated and staged as described in Sections 2.0 and 3.0 of this EWP. The anticipated size and location of stockpiles will be provided in the 15-day notification to the NYSDEC project manager. Stockpile locations will be based on the location of site excavation activities and proximity to nearby site features. Material reuse on-site will comply with requirements of NYSDEC DER-10 Section 5.4(e)4. Any modifications to the requirements of DER-10 Section 5.4(e)4 must be approved by the NYSDEC project manager.

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.

8.0 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.

9.0 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the decision document. The existing cover system is comprised of a minimum of 12 inches of clean gravel, existing building floor slab and concrete pads. The demarcation layer, consisting of orange plastic mesh material, 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 (i.e., a soil cover is replaced by asphalt), 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 will be included in the subsequent Periodic Review Report and in an updated SMP. The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.

10.0 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the qualified environmental professional, as defined in 6 NYCRR Part 375, and will be in compliance with provisions in this SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of five business days for review. A copy of the form is presented in Appendix I.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the site.

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

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.

11.0 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.

All undercutting or erosion of the silt fence toe anchor or silt socks shall 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.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

12.0 EXCAVATION CONTINGENCY PLAN

If underground tanks or other 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. The NYSDEC project manager will be promptly notified of the discovery.

Sampling will be performed on product, sediment, and surrounding soils, etc. 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 (including 1,4-dioxane), TCL pesticides and PCBs, and PFAS], 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 project manager for approval prior to sampling. Any tanks will be closed as per NYSDEC regulations and guidance.

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

13.0 COMMUNITY AIR MONITORING PLAN

A figure showing the location of air sampling stations based on generally prevailing wind conditions is shown in Figure 2. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations.

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

13A: Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 part-per-million, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.
- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 micrograms per cubic meter, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 micrograms per cubic meter or less at the monitoring point.
- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

13B: Special Requirements for Indoor Work with Co-Located Residences or Facilities

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under "Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures" except that in this instance "nearby/occupied structures" would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

14.0 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site. Specific odor control methods to be used on a routine basis will include limiting the area of open excavations and the size of soil stockpiles, shrouding open excavations with tarps or other covers, and using foams to cover exposed odorous soils. 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. 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.

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.

15.0 DUST CONTROL PLAN

Particulate monitoring must be conducted according to the Community Air Monitoring Plan (CAMP) provided in Section 13.0. If particulate levels at the site exceed the thresholds listed in the CAMP or if airborne dust is observed on the site or leaving the site, the dust suppression techniques listed below will be employed. The remedial party will also take measures listed below to prevent dust production on the site.

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 using 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.

16.0 OTHER NUISANCES

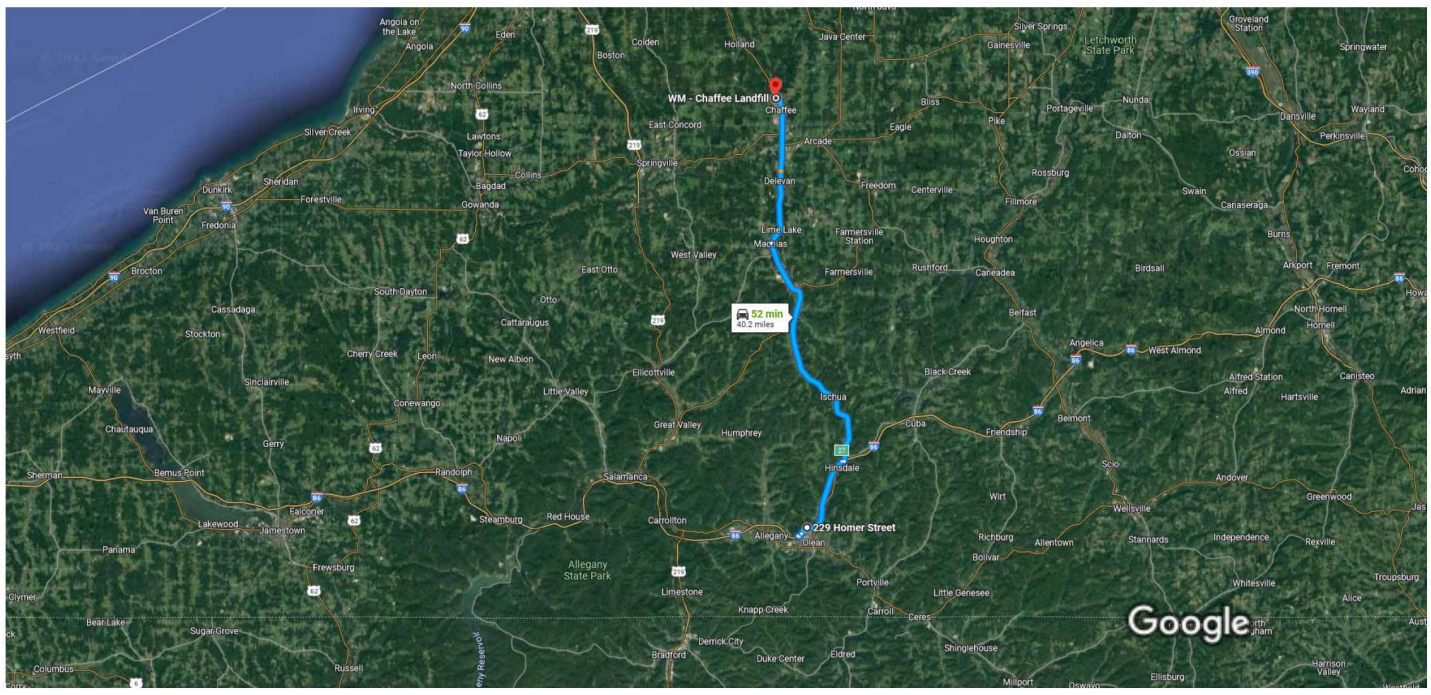
A plan for rodent control will be developed and used by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

A plan will be developed and used by the contractor for all remedial work to ensure compliance with local noise control ordinances.

Google Maps

229 Homer St, Olean, NY 14760 to WM - Chaffee Landfill, 10860 Olean Rd, Chaffee, NY 14030

Drive 40.2 miles, 52 min



Imagery ©2023 TerraMetrics, Map data ©2023 5 mi

229 Homer St
Olean, NY 14760

Get on I-86 E/NY-17 E

3 min (1.5 mi)

1. Head southwest on Homer St toward Hilltop St

1.0 mi

2. Turn left onto Buffalo St

0.1 mi

3. Turn left onto the Interstate 86 E/Southern Tier Expressway/NY-17 E ramp

0.3 mi

Drive from NY-16 N to Chaffee

47 min (38.4 mi)

4. Merge onto I-86 E/NY-17 E

6.9 mi

5. Take exit 27 for NY-16 toward NY-446/Hinsdale

0.2 mi

6. Turn left onto NY-16 N

19.8 mi

7. Turn right onto NY-16 N/Main St
   Continue to follow NY-16 N

11.5 mi

Drive to your destination

1 min (0.3 mi)

8. Turn left

0.2 mi

9. Turn right
   Destination will be on the left

0.1 mi

WM - Chaffee Landfill

N

Title:	**TRUCKING ROUTE FROM SITE TO CHAFFEE LANDFILL** **EXCAVATION WORK PLAN** **229 HOMER STREET** BCP SITE NO. C905044 OLEAN, NEW YORK		
Prepared for	HOMER STREET PROPERTIES		
ROUX	Compiled by: RFL	Date: NOVEMBER 2023	FIGURE 1
	Prepared by: RFL	Scale:	
	Project Mgr: LER	Project: 0311-018-001	
	File: FIGURE 1; TRUCK ROUTE.DWG		

APPENDIX B

Approvals

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: 229 Homer Street **DEC Site ID No.** C905044

II. Contact Information of Person Submitting Notification:

Name: Christopher Smith (Jamestown Macadam, Inc.)

Address1: PO Box 518

Address2: Celeron, NY 14270

Phone: 716-664-5108 x101 E-mail: csmith@jmi-corp.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

☐ Change in Ownership or Change in Remedial Party(ies)

☐ Transfer of Certificate of Completion (CoC)

☑ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): Jun 16, 2025

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Construction of a new concrete plant.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

The project will be conducted in accordance with the Notification Addendum to the Excavation Work Plan (to be submitted separately). Concrete foundations will be placed over existing cover material. New utilities will be installed. Existing cover system material will be stockpiled for reuse. Geotechnically suitable, non-impacted on-site soil/fill excavated during construction may be stockpiled for reuse beneath the cover system. If used, a demarcation layer will be placed above the soil/fill prior to placement of new cover material (e.g., 12" of imported select fill, reuse of existing cover, or concrete slab). Material not geotechnically suitable for reuse and any impacted material will be transported to a permitted landfill facility.

V. Certification Statement: Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ _____
(Signature) (Date)

_____
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ _____

(Signature) (Date)

_____

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: ____________________

Address1: ____________________

Address2: ____________________

Phone: ____________________ E-mail: ____________________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: ____________________

Address1: ____________________

Address2: ____________________

Phone: ____________________ E-mail: ____________________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: ____________________

Address1: ____________________

Address2: ____________________

Phone: ____________________ E-mail: ____________________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: ____________________

Address1: ____________________

Address2: ____________________

Phone: ____________________ E-mail: ____________________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: ____________________

Address1: ____________________

Address2: ____________________

Phone: ____________________ E-mail: ____________________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: ____________________

Address1: ____________________

Address2: ____________________

Phone: ____________________ E-mail: ____________________

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

April 18, 2025

Christopher Smith
Jamestown Macadam Inc.
PO Box 518
Celeron, New York 14270

Dear Christopher Smith,

229 Homer Street Site No. C905044
229 Homer Street
Olean, Cattaraugus County, New York
Change of Use (COU) Acknowledgement Letter

This acknowledges our receipt of your April 15, 2025, 60-day Advance Notification of Change of Use for the above referenced site, in accordance with 6NYCRR 775-1.11(d). This acknowledgement is not intended to imply approval or concurrence with the proposed change of use.

We appreciate your attention to this matter. If you have any questions or need additional information, you may contact me at 716-851-7139 or Bradley.Demo@dec.ny.gov.

Sincerely,

Bradley W. Demo

Bradley Demo
Project Manager

BD/sed

ec: Benjamin McPherson, P.E., Regional Hazar. Waste Remediation Engineer, Region 9
Megan Kuczka, Environmental Program Specialist 2, NYSDEC Region 9
Gregory Scholand, Esq., Assistant Regional Attorney, NYSDEC Region 9
Michael Cruden, Bureau Director, Bureau E, NYSDEC Albany
Michael Murphy, Office of General Counsel, NYSDEC Albany
Lori Riker, Roux, Inc.
Michael Lesakowski, Roux, Inc.
Jessica Dombrowski, Roux, Inc.

APPENDIX C

Design Drawings

UDIG·NY

SAFE DIGGING STARTS HERE

STOP-CALL BEFORE YOU DIG!

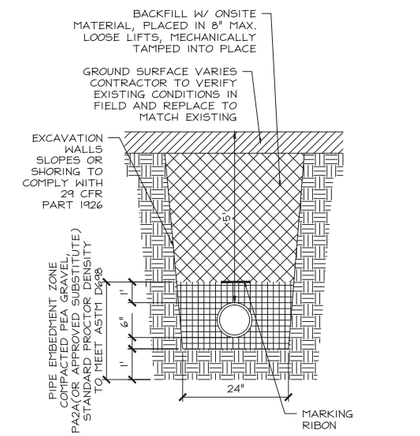
NEW YORK STATE LAW REQUIRES TWO WORKING DAYS NOTICE BUT NOT MORE THAN 10 WORKING DAYS
UDig NY
CALL: 811

AT LEAST TWO DAYS BEFORE BUT NOT MORE THAN 10 DAYS BEFORE ANY EXCAVATION, ETC., THE CONTRACTOR SHALL CALL/NOTIFY UDIG NY.

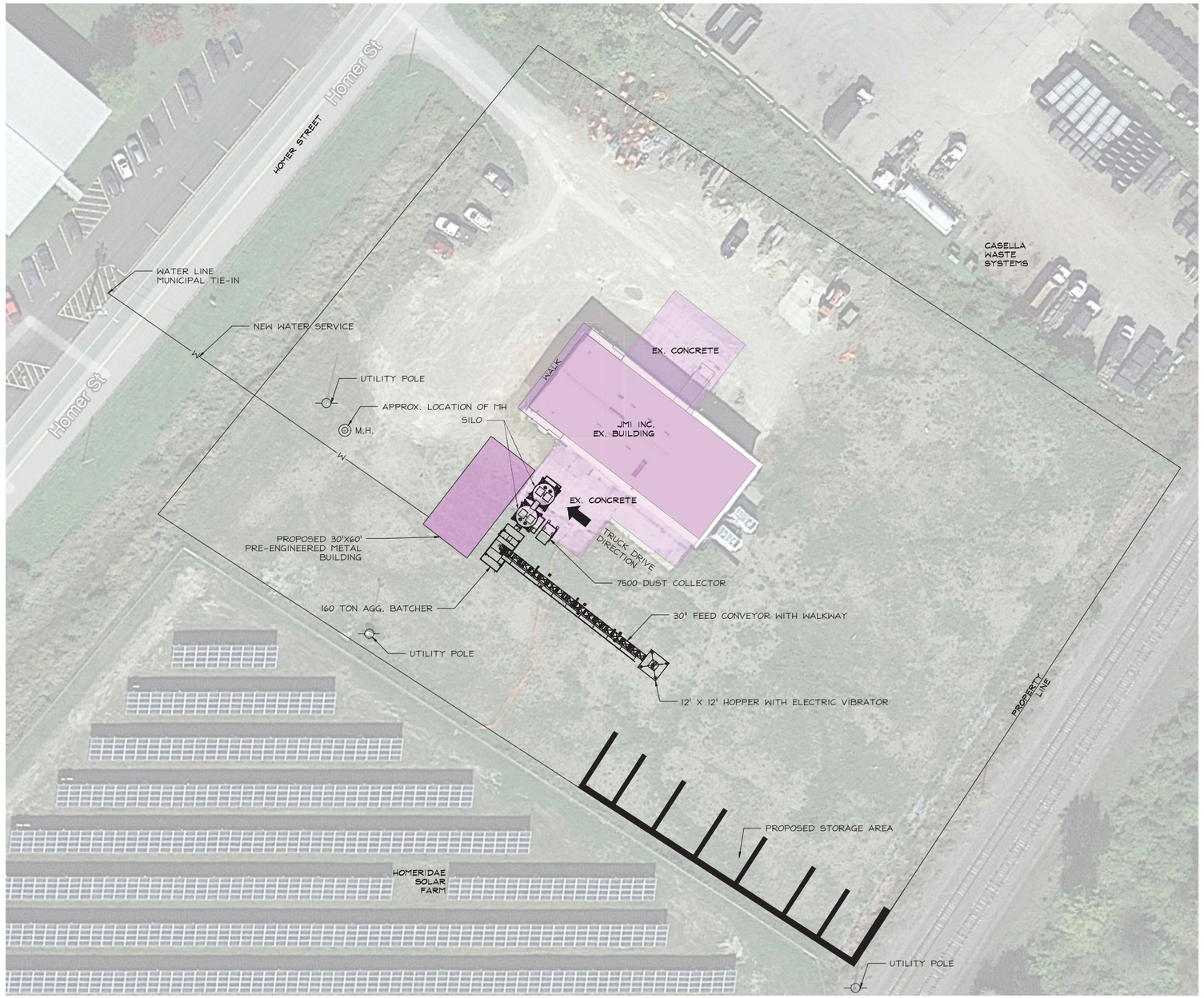
THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION WORK.

"UDIG NY" STANDARD COLOR CODES USED TO INDICATE TYPE OF UNDERGROUND UTILITY:

- **YELLOW:** GAS, OIL, PETROLEUM PRODUCTS, COMPRESSED GASES, AND ALL OTHER HAZARDOUS LIQUIDS
- **RED:** ELECTRIC POWER LINES AND/OR CONDUIT.
- **WHITE:** PROPOSED EXCAVATION (FOR EXCAVATOR).
- **ORANGE:** COMMUNICATION LINES AND/OR CABLES, INC. TELEPHONE, TELEGRAPH, AND CABLE TELEVISION.
- **BLUE:** WATER.
- **GREEN:** STORM AND SANITARY SEWERS INCLUDING FORCE MAINS.



TYPICAL TRENCH DETAIL FOR DOMESTIC WATER LINES
SCALE: N.T.S.



SITE PLAN
SCALE: 1" = 30'

1" = 30'
0' 30' 60' 90'

WALLACE ENGINEERING
31 BOYLSTON STREET
BRADFORD, PA 16701
P: 814.362.2000
cwallace@cjwellc.com

PROFESSIONAL STAMP

PROJECT NAME
JMI OLEAN
229 HOMER STREET
OLEAN, NY

CLIENT INFO
BENSON CONSTRUCTION & DEVELOPMENT LLC
130 SOUTH UNION ST
OLEAN, NY

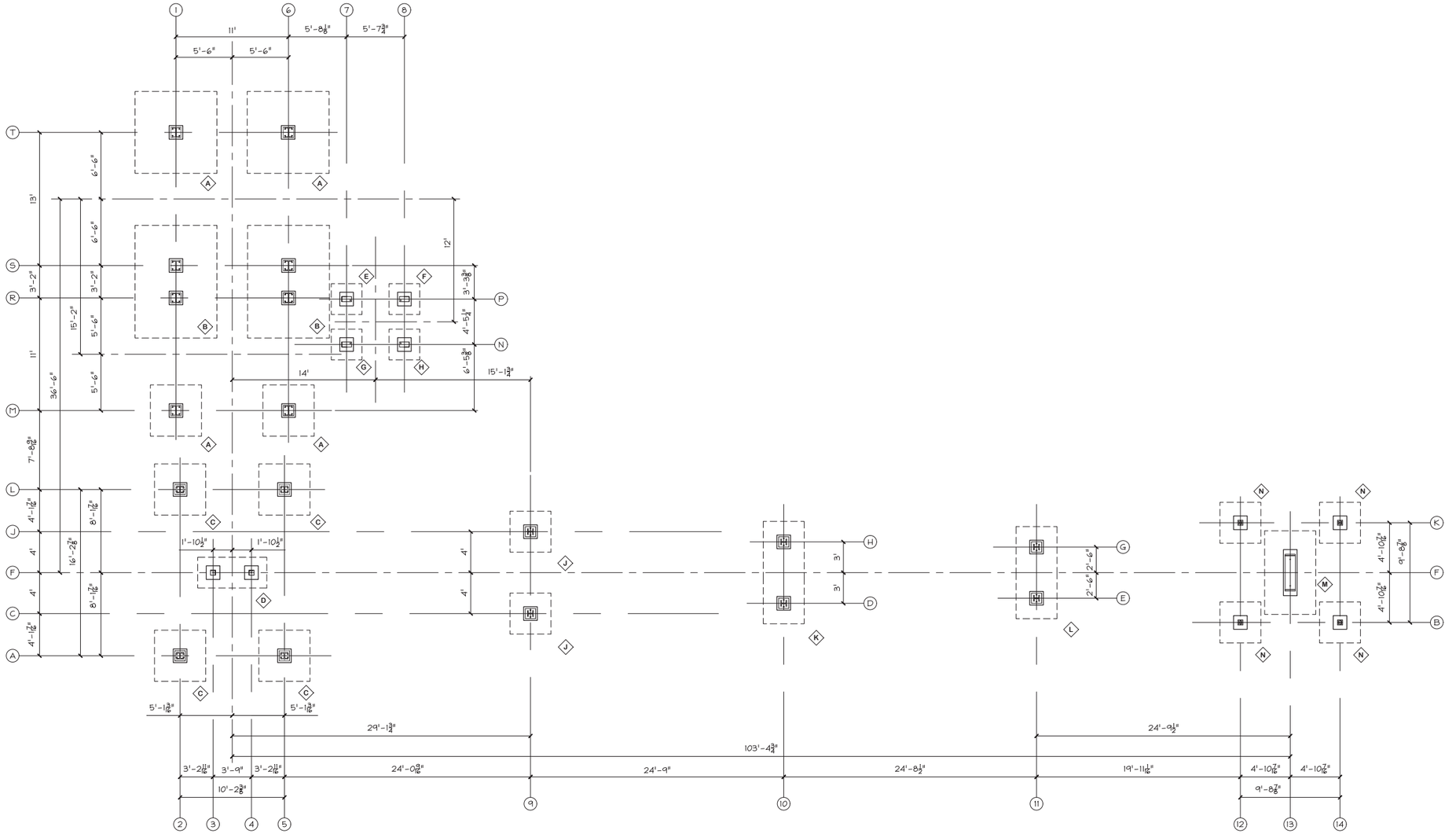
REVISIONS

#	DATE	BY	DESCRIPTION
1	5/5/25	THN	PRELIMINARY
2	5/29/25	CJW	ADDED BUILDING & WATER LINE

PROJECT NO. 25-012
DWG DATE: 5/29/25
DRAWN BY: THN

SHEET TITLE
SITE PLAN

SHEET NUMBER
C-101



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

C.J. WALLACE ENGINEERING

31 BOYLSTON STREET
BRADFORD, PA 16701
P: 814.362.2000
cwallace@cjwellc.com

PROFESSIONAL STAMP

PROJECT NAME
JMI OLEAN
229 HOMER STREET
OLEAN, NY

CLIENT INFO
BENSON CONSTRUCTION & DEVELOPMENT LLC
130 SOUTH UNION ST
OLEAN, NY

REVISIONS

#	DATE	BY	DESCRIPTION
1	5/5/25	THN	PRELIMINARY

PROJECT NO.	25-012
DWG DATE:	5/27/25
DRAWN BY:	THN

SHEET TITLE
FOUNDATION PLAN

SHEET NUMBER
S-101

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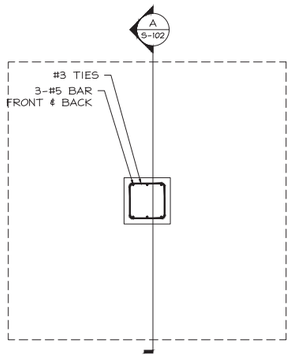
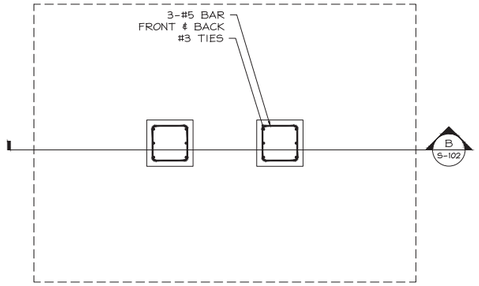


REBAR LAYOUT



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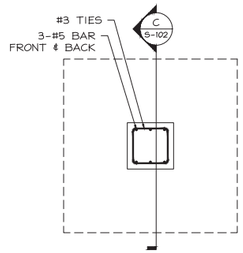

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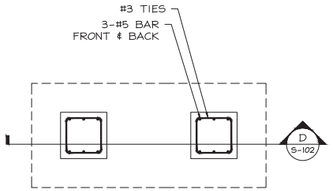

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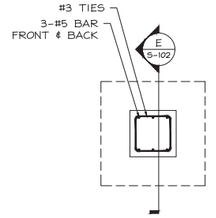

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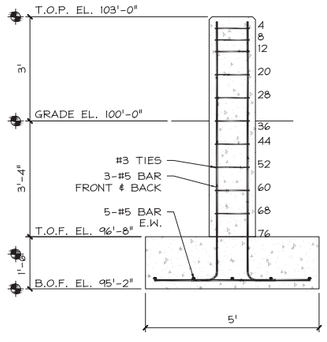

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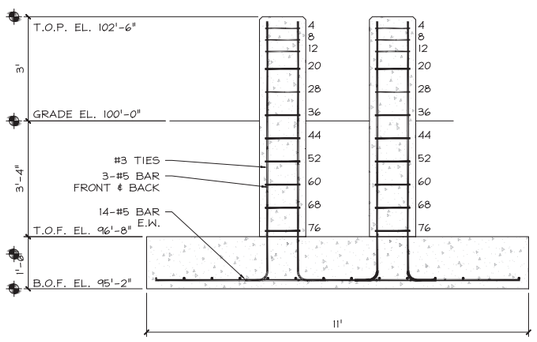

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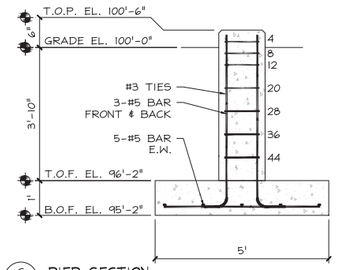

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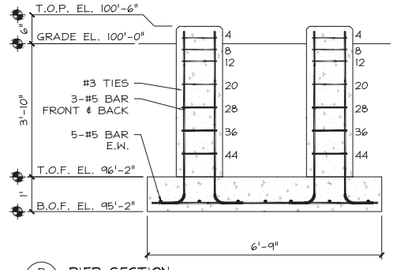
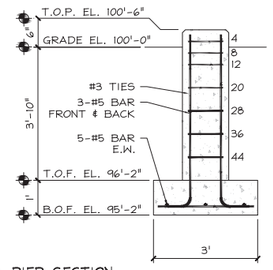
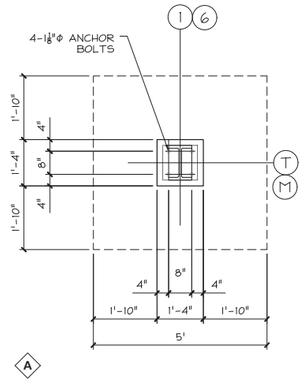


D S-102 PIER SECTION

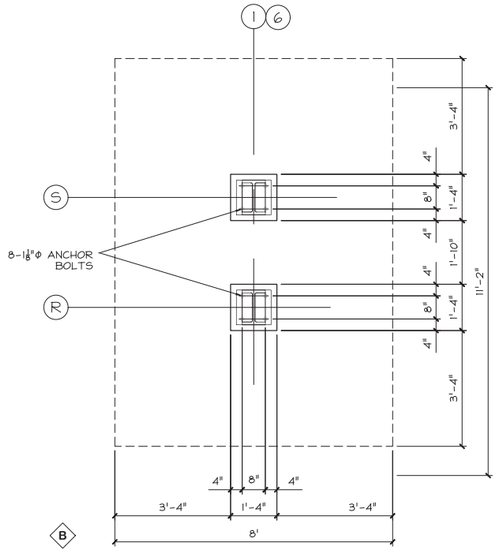


E S-102 PIER SECTION



A

PIER DETAIL "A"
SCALE: 1/2" = 1'-0"
QTY: 4



B

PIER DETAIL "B"
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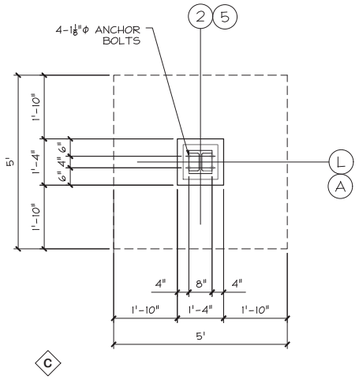
QTY: 2



C

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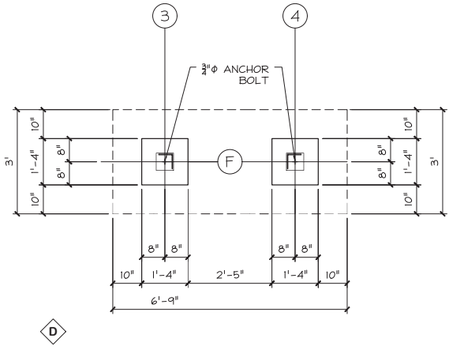
SCALE: 1/2" = 1'-0"
QTY: 4



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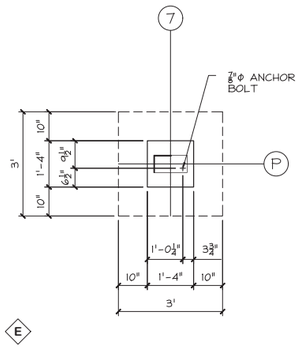
SCALE: 1/2" = 1'-0"
QTY: 1



E

PIER DETAIL "E"
SCALE: 1/2" = 1'-0"
QTY: 1

C.J. WALLACE ENGINEERING

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PROFESSIONAL STAMP

PROJECT NAME
JMI OLEAN
229 HOMER STREET
OLEAN, NY

CLIENT INFO
BENSON CONSTRUCTION & DEVELOPMENT LLC
130 SOUTH UNION ST
OLEAN, NY

REVISIONS

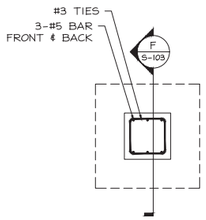
#	DATE	BY	DESCRIPTION
1	5/5/25	THN	PRELIMINARY

PROJECT NO.	25-012
DWG DATE:	5/27/25
DRAWN BY:	THN

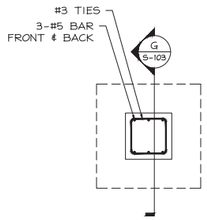
SHEET TITLE
PIER DETAILS

SHEET NUMBER
S-102

5/27/2025 9:34 AM W:\2025 PROJECTS\25-012 JMI OLEAN - BENSON\25-012 BS JMI OLEAN.DWG



REBAR LAYOUT



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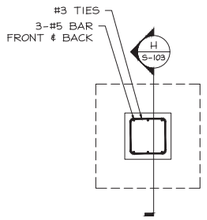

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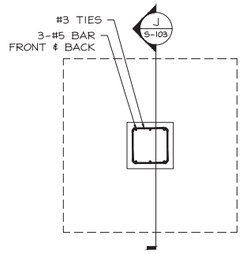

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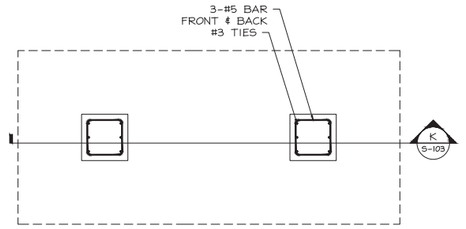

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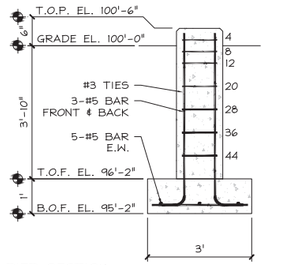
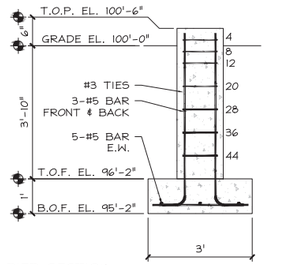
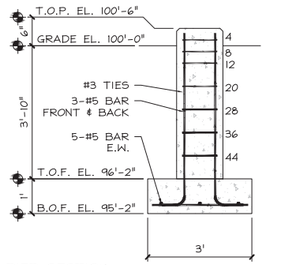


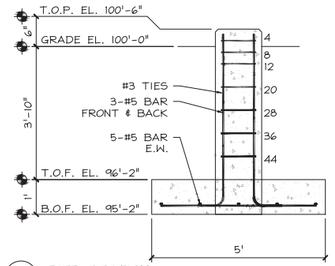
F S-103 PIER SECTION



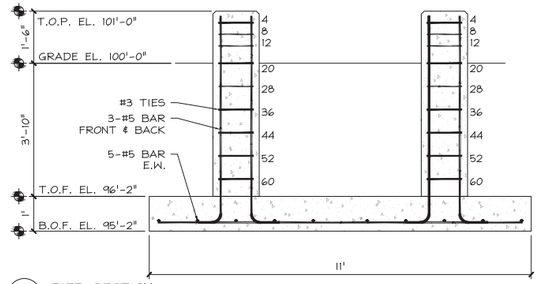
G S-103 PIER SECTION



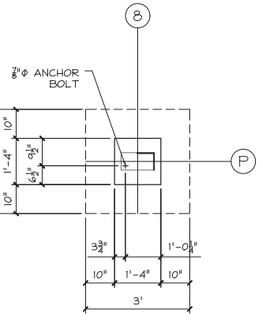
H S-103 PIER SECTION



J S-103 PIER SECTION

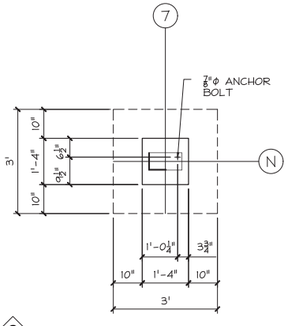


K S-103 PIER SECTION



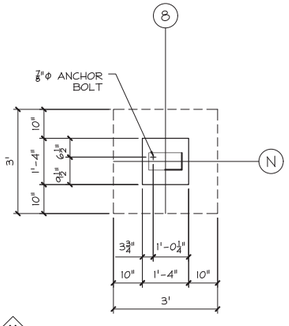
F

PIER DETAIL "F"
SCALE: 1/2" = 1'-0"
QTY: 1



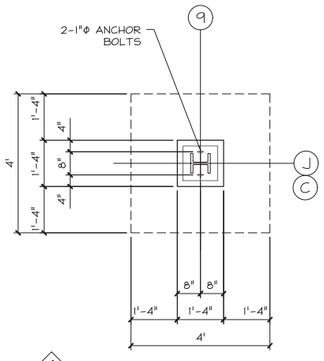
G

PIER DETAIL "G"
SCALE: 1/2" = 1'-0"
QTY: 1



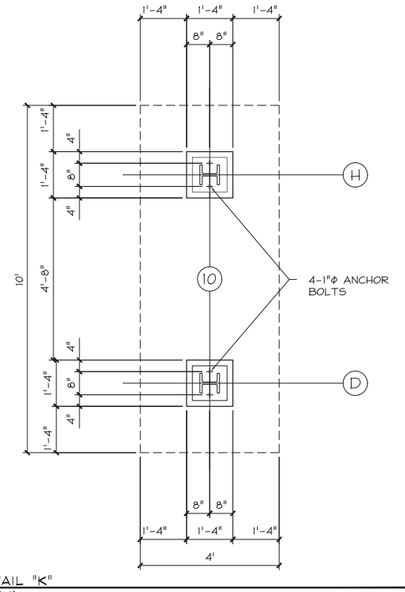
H

PIER DETAIL "H"
SCALE: 1/2" = 1'-0"
QTY: 1



J

PIER DETAIL "J"
SCALE: 1/2" = 1'-0"
QTY: 2



K

PIER DETAIL "K"
SCALE: 1/2" = 1'-0"
QTY: 1

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PROFESSIONAL STAMP

PROJECT NAME
JMI OLEAN
229 HOMER STREET
OLEAN, NY

CLIENT INFO
BENSON CONSTRUCTION & DEVELOPMENT LLC
130 SOUTH UNION ST
OLEAN, NY

REVISIONS

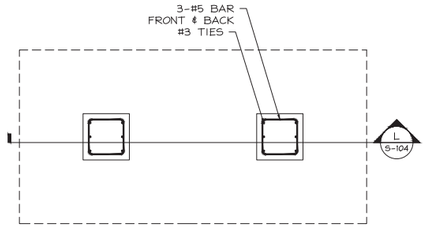
#	DATE	BY	DESCRIPTION
1	5/5/25	THN	PRELIMINARY

PROJECT NO. 25-012
DWG DATE: 5/27/25
DRAWN BY: THN

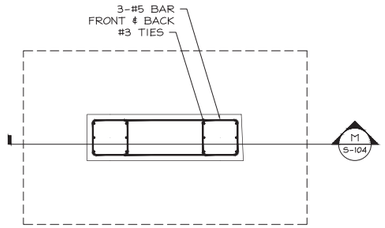
SHEET TITLE
PIER DETAILS

SHEET NUMBER
S-103

5/27/2025 9:34 AM W:\2025 PROJECTS\25-012 JMI OLEAN - BENSON\25-012-BS JMI OLEAN.DWG



REBAR LAYOUT



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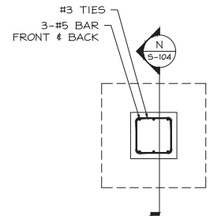

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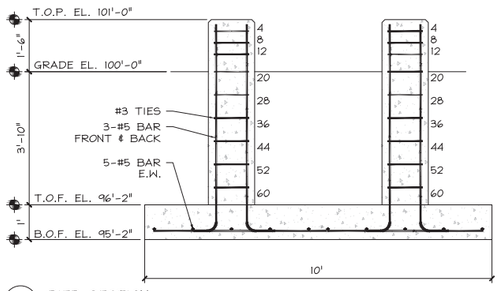
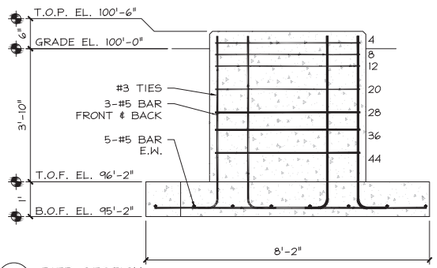


L S-104 PIER SECTION



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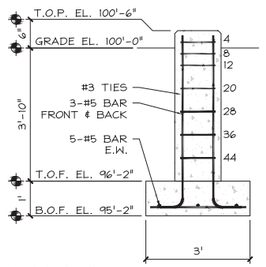

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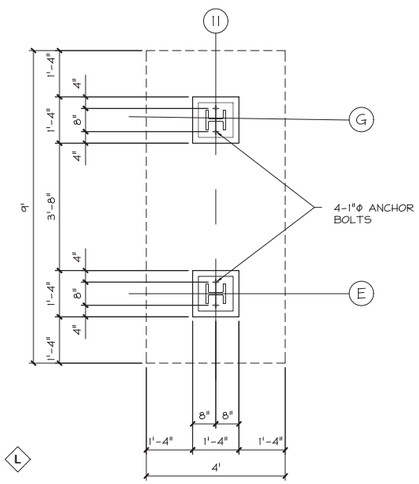

L PIER DETAIL "L"
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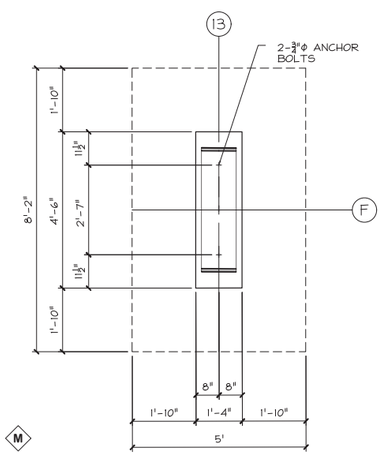

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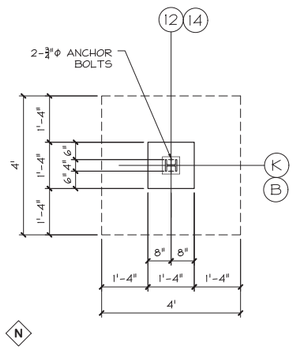

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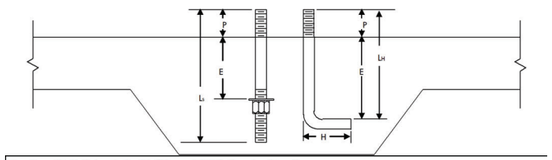

Anchor Bolt Schedule (A36 or A307 Grade Steel)

Diameter	Embedment Length, E	Projection Length, P	Thread Length	Hook Length, H	Straight Anchor Length, L_t	Hook Anchor Length, L_H	Straight, S or Hook, H	Quantity
1/2"	12"	1 1/2"	1 1/2"	3"	15"	13 1/2"	H	
5/8"	14"	2"	2"	4"	18"	16"	H	
3/4"	15"	2 1/2"	2 1/2"	4"	20"	17 1/2"	H	12
7/8"	17"	3 1/2"	3 1/2"	5"	24"	20 1/2"	H	4
1"	18"	3 1/2"	3 1/2"	5"	25"	21 1/2"	H	60
1 1/8"	20"	3 1/2"	3 1/2"	6"	27"	23 1/2"	H	
1 1/4"	24"	3 1/2"	3 1/2"	7"	31"	27 1/2"	H	
1 3/8"	28"	3 1/2"	3 1/2"	8"	35"	31 1/2"	H	
1 1/2"	32"	3 1/2"	3 1/2"	9"	39"	35 1/2"	H	

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PROJECT NO. 25-012
DWG DATE: 5/27/25
DRAWN BY: THN

SHEET TITLE
PIER DETAILS

SHEET NUMBER
S-104

5/27/2025 9:34 AM W:\2025 PROJECTS\25-012 JMI OLEAN - BENSON\25-012-S5 JMI OLEAN.DWG