



ENGINEERING REPORT
FOR
130 MILLER PLACE, LLC
MUNICIPAL SOLID WASTE TRANSFER FACILITY
MOUNT VERNON, NY

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Table of Contents

	<u>Page #</u>
1.0 INTRODUCTION	1
1.1 Purpose and Objectives.....	1
2.0 REGULATORY OVERVIEW	2
2.1 State Environmental Quality Review Act (SEQRA)	2
2.2 New York State Historic Preservation Act Review	2
2.3 Uniform Procedures Act	2
2.4 Enhanced Public Participation	2
2.5 Applicability of Part 360.....	3
2.6 State and Local Consistency	3
2.6.1 Solid Waste Management Policy Consistency	3
2.6.2 Solid Waste Management Plan Consistency	3
2.6.3 Local Consistency	4
3.0 SITE INFORMATION	4
3.1 Existing Site Conditions	4
3.2 Land Use	4
4.0 PROCESS DESCRIPTION	5
4.1 Transfer Station.....	5
4.2 Process Flow Chart	7
5.0 FACILITY DESIGN.....	8
5.1 Materials Handled.....	8
5.2 Schedule of Operations	8
5.3 Service Area.....	8
5.4 Equipment.....	9
5.5 Load Weight Assessment.....	10
5.6 Site Access and Traffic	10
5.7 Material Reception.....	11
5.8 Tipping Floor	12
5.9 Push Wall.....	12
5.10 Environmental Controls	12
5.10.1 Nuisance Litter and Dust Control	12
5.10.2 Leachate Control	13
5.10.3 Odor Control.....	13

	5.10.4 Stormwater Management.....	13
5.11	Noise Assessment	13
	5.11.1 Part 360 Noise Restrictions	14
	5.11.2 City of Mount Vernon Noise Restrictions	14
	5.11.3 Adverse Noise Impacts	14
	5.11.4 Potential Noise Sources	15

Figures

Figure 1	Regional Site Location Map
Figure 2	Site Layout Map
Figure 3	Zoning Map
Figure 4	Land Use Map
Figure 5	Water Resources Map

Sheets

Sheet 1	Site Plan
Sheet 2	Transfer Station Tip Floor Plan
Sheet 3	Transfer Station Trailer Queuing Plan
Sheet 4	Standard Waste Transfer Trailer Vehicle Movements
Sheet 5	Inbound Refuse Truck Vehicle Movements

Appendices

Appendix A	Property Owner Authorizations
Appendix B	Full Environmental Assessment Form
Appendix C	OPRHP No Effect Letter
Appendix D	Permitted Disposal Facilities
Appendix E	Healthcare Institution Service Letters
Appendix F	Radiation Detection Manufacturer Literature
Appendix G	Truck Scale Manufacturer Literature
Appendix H	Building Elevations
Appendix I	Vehicle Door Installation Details
Appendix J	Push Wall Structural Design Plans

1.0 INTRODUCTION

130 Miller Place, LLC. (hereinafter the “Facility Owner”) is proposing to renovate and re-occupy an existing 12,600 sf warehouse building to operate a solid waste management facility (SWMF) transfer station (hereinafter the “Facility”) with a maximum design throughput of 800 tons per day (tpd). The Facility includes a Transfer Station Building located at 130 Miller Place (Parcel 169.56-4090-5), Mount Vernon, Westchester County, New York with support activities occurring on Parcels 169.48-4090-1, 169.48-4090-17 and 169.48-4090-18. Written approval from all property owners associated with the Facility is included in Appendix A. Site Location and Vicinity Maps are provided as Figures 1 through 5.

The Facility is designed to receive and transfer up to 800 tpd of Municipal Solid Waste (MSW) as defined at 6 NYCRR 360.2(a)(184), which includes “residential, commercial, and institutional waste.” The Facility will have customers that generate “Institutional Waste”, which is defined at 6 NYCRR 360.2(a)(156) as “waste that is generated by hospitals, long-term care facilities, schools, prisons, government agencies, or other similar type facilities.” The Facility will not receive Regulated Medical Waste. All waste reception and transfer will occur indoors.

1.1 Purpose and Objectives

This Engineering Report and supplemental documentation demonstrates compliance with the following applicable requirements:

Table 1: 6 NYCRR Part 360 Engineering Report Checklist

Regulatory Requirement	Description
6 NYCRR Part 360.16	Permit Application Requirements and Permit Provisions
6 NYCRR Part 360.19	Operating Requirements
6 NYCRR Part 362-3	Transfer Facilities

Site development is subject to local approval by the City of Mount Vernon Planning Board. The Facility received site plan approval from the Planning Board on November 1, 2023 and received approval from the Architectural Review Board on January 24, 2024.

The following documentation supplements this Engineering Report and provides operational guidelines for the Facility upon issuance of a Permit to Operate:

- Facility Manual
 - Waste Control Plan
 - Operations & Maintenance Plan
 - Training Plan
 - Emergency Response Plan
 - Noise Monitoring and Control Plan
 - Closure Plan

A copy of this Engineering Report and Facility Manual will be maintained at the Facility and be made available, upon request, for inspection and review by agencies having jurisdiction over the Facility or aspects of its operation.

2.0 REGULATORY OVERVIEW

2.1 State Environmental Quality Review Act (SEQRA)

As required by SEQRA, all State, regional, and local government agencies have the responsibility of determining whether actions may have significant impacts on the environment. If the action is determined to possess the potential for adverse environmental impacts, SEQRA requires submission of an Environmental Impact Statement (EIS).

Upon submittal of the Site Plan Application, the City of Mount Vernon Planning Board classified the action as Type II pursuant to 6 NYCRR 617.5(c)(18) for reuse of a commercial structure where the commercial use is permitted under the applicable zoning law. The Facility is located within the I-Industry zoning district and is consistent with surrounding land use.

The NYSDEC must comply with SEQRA when issuing solid waste management facility permits, which are often classified as Unlisted Actions. A Full Environmental Assessment Form (FEAF) is provided as Appendix B.

2.2 New York State Historic Preservation Act Review

Section 14.09 of the Parks, Recreation, and Historic Preservation Law requires mandatory review and consultation if a project has potential to cause any change, beneficial or adverse, in the quality of any eligible or registered property.

As indicated on the FEAF in Appendix B, the Facility is not located within any identified building, archaeological site, or district that is listed on the National or State Register of Historic Places. The FEAF did indicate that the Facility is located in or adjacent to an area designated as sensitive for archaeological sites on the New York State Historic Preservation Office (SHPO) archaeological site inventory. A consultation was initiated with the New York State Office of Parks, Recreation, and Historic Preservation (OPRHP) on April 1, 2024 to determine any potential impact to archaeological sites. By letter dated April 2, 2024, OPRHP indicated no impacts by the project. Therefore, requirements of 6 NYCRR 621.3(a)(8) are complete and additional review and consultation is not necessary. A copy of OPRHP correspondence is provided in Appendix C.

2.3 Uniform Procedures Act

The Uniform Procedures Act and associated Permit Hearing Procedures (6 NYCRR Parts 621 and 624) establishes timetables for review and approval of environmental permit applications. Under the Uniform Procedures Act, the review process for projects requiring multiple NYSDEC approvals and/or permits is simplified via concurrent review of all applications. The Facility requires a SWMF Permit pursuant to 6 NYCRR Part 360. The Facility is designed to receive up to 800 tpd of waste and is therefore classified as a Major Project.

2.4 Enhanced Public Participation

The Facility is located within Census Block 361190026002, which is identified as a Potential Environmental Justice Area (PEJA). The Census Block is also designated as a Disadvantaged Community (DAC). As a Major Project within a designated PEJA and DAC, the application must comply with Commissioner Policy 29 (CP-29) “Environmental Justice and Permitting”, the Environmental Justice Siting

Law (EJSL), and Program Policy DEP 24-1 “Permitting and Disadvantaged Communities.” Enhanced public participation will be completed subject to a Public Participation Plan that is developed in coordination with the NYSDEC Office of Environmental Justice. A DAC Existing Burden Report and Disproportionate Burden Analysis will be completed in coordination with the NYSDEC Division of Environmental Permits.

2.5 Applicability of Part 360

The activities associated with Facility operation are regulated under 6 NYCRR Parts 360 and 362-3. Revisions to these regulations became effective July 22, 2023.

2.6 State and Local Consistency

2.6.1 Solid Waste Management Policy Consistency

The New York State Solid Waste Management Policy provides an ordered listing of preferred solid waste management methodologies. This hierarchy, in descending order of preference, is:

1. Reduce the amount of waste generated.
2. Reuse or recycle materials.
3. Recover energy from material that cannot be economically or technically reused or recycled.
4. Disposal of material that is not being reused, recycled, or from which energy is not being recovered.

The Facility will transfer waste that generating sources have determined cannot be reused or recycled. The Facility will prioritize transferring waste to waste-to-energy facilities that recover energy and deliver electricity to the grid. Recovering energy from waste is consistent with the New York State Solid Waste Management Policy as a preferred management method over disposal by landfilling. Annual reports submitted to NYSDEC will document the final disposal destination for transferred waste.

2.6.2 Solid Waste Management Plan Consistency

The current New York State Solid Waste Management Plan (SWMP) was issued in December 2023 and includes six Focus Areas to guide the future of solid waste management. Each Focus Area identifies goals and action items that can either be readily implemented by NYSDEC or that first require legislative action. Further, stakeholders are identified that require involvement for the successful implementation of Focus Area goals.

Focus Area 6 is titled “Advanced Design and Operation of Solid Waste Management Facilities and Related Activities.” Focus Area 6 recognizes that SWMFs are critical to the proper management of waste and includes intermediate services such as transfer stations. These intermediate facilities must be operated in a way that is protective of human health and the environment. The Facility supports the following goals and action items:

- Action Item 6.4.2 – The Facility can provide operating information to NYSDEC to support improvements at similar operating facilities.
- Action Item 6.4.3 – The Facility can cooperate with NYSDEC to provide operating information related to common problems at similar operating facilities.

- Action Item 6.5.2 – The Facility can document operational practices and effects on mitigating fugitive odor emissions.
- Goal 6.7 – The Facility can obtain data to characterize the waste stream that is managed through the Facility.

2.6.3 Local Consistency

The Facility is located in Westchester County, which does not currently have an approved Local Solid Waste Management Plan.

The Facility is located in the I-Industry zoning district and received Site Plan approval from the City of Mount Vernon Planning Board on November 1, 2023 and from the City of Mount Vernon Architectural Review Board on January 24, 2024. The Facility is also located within the Canal Village Revitalization Area, which is a nominated Brownfield Opportunity Area (BOA). The BOA is identified as underutilized and has goals to retain existing industries and to attract new industries. Therefore, the Facility is consistent with local policies.

3.0 SITE INFORMATION

3.1 Existing Site Conditions

The Facility includes the following parcels for specific uses to support operations, as shown on Figure 2:

- | | |
|---|--|
| • Parcel 169.56-4090-5
130 Miller Place, LLC | This parcel includes the 12,600 sf warehouse building that will serve as the enclosed Transfer Station Building. |
| • Parcel 169.48-4090-17
130 Miller Place, LLC | This parcel includes 2,500 sf of off-street parking for employees and for delivery vehicle queuing. |
| • Parcel 169.48-4090-18
124 Miller Place, LLC | This parcel includes 5,000 sf of off-street parking for employees and for delivery vehicle queuing. |
| • Parcel 169.48-4090-1
701 South Fulton Ave, LLC | This parcel includes 5,000 sf of covered off-street parking and 5,000 sf of uncovered off-street parking for equipment and empty transfer trailer staging. |

The existing 12,600 sf warehouse building will be renovated to support the transfer station use. A Site Plan prepared in accordance with 6 NYCRR 360.16(c)(2)(iii) is provided on Sheet 1, a Tip Floor Plan of the Transfer Station Building is provided on Sheet 2, and a Trailer Queuing Plan for the South Fulton Avenue parcel is provided on Sheet 3.

3.2 Land Use

The Facility and surrounding land use are within the I-Industry zoning district, which is intended to provide an appropriate location and development standards for more intensive types of industrial development. The immediate surrounding land use is similarly developed with industrial and commercial uses. The closest residential zoned area is approximately 0.25 miles to the west; however, residential structures are located along Miller Place as shown on Figure 4 – Land Use Map.

4.0 PROCESS DESCRIPTION

4.1 Transfer Station

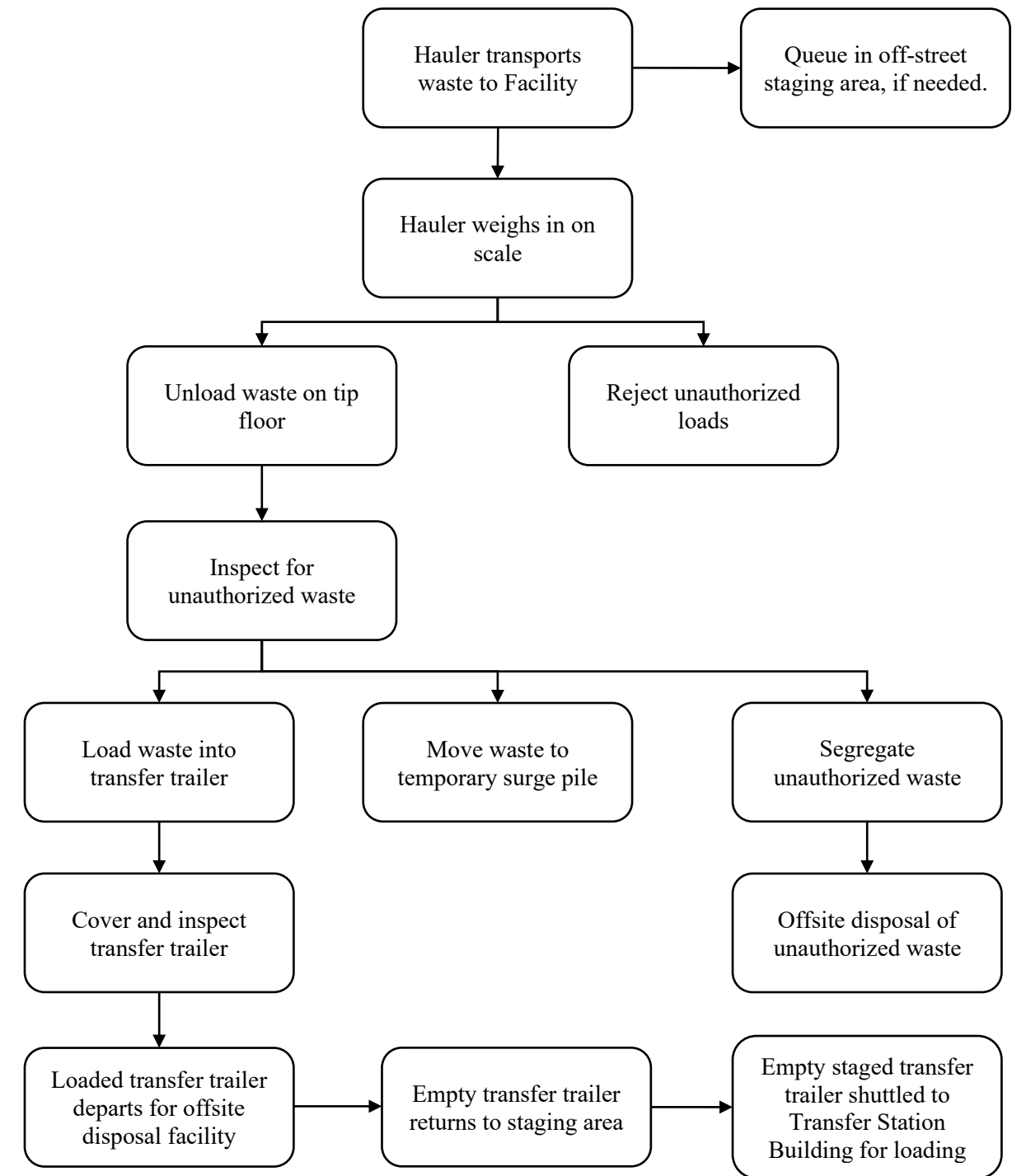
The Facility is a solid waste transfer station that consists of the following components and processes that are shown on the attached Drawing Sheets.

- A. Transfer Station Building – The Transfer Station Building is a 12,600 sf fully enclosed warehouse style building with the following areas:
1. Scale Area – Inbound loads will enter through the northern overhead door and immediately drive onto the scale to weigh in. The scale is at grade, allowing inbound vehicles to enter/exit the scale from all sides.
 2. Tipping Area – After exiting the scale, delivery vehicles are directed to the tip floor area to unload. Vehicles are unloaded under the supervision of Facility personnel that are trained in the identification of unauthorized waste. Once emptied, the delivery vehicle will exit the Facility through the middle overhead door onto Miller Place.
 3. Load Inspection – Inbound loads must be inspected prior to transferring as described in the Facility Manual, Section 2 – Waste Control Plan, to prevent the transfer of unauthorized waste. Trained personnel will inspect each load while unloading onto the tip floor and prior to transferring or stockpiling. Should unauthorized wastes be detected, Facility personnel will segregate the wastes from authorized wastes and proceed as described in Section 2 of the Facility Manual. Segregated unauthorized waste is temporarily staged in the designated container shown on Sheet 2 prior to offsite disposal.
 4. Load Transfer – Loads of authorized waste will be immediately transferred to a waiting transfer trailer using a waste handling front-end loader with a 6.5 CY capacity. Calculations of the tip floor transfer capacity are provided on Sheet 2. The standard practice is to directly transfer received loads without stockpiling. Waste is pushed against the steel faced push wall and then lifted over the wall and transferred into the waiting transfer trailer. Turning movements for the bucket loader are shown on Sheet 2 that demonstrates adequate floor space for trailer loading. The transfer trailer will be loaded directly on a truck scale to provide a real-time weight to the loader operator. Once fully loaded, the trailer will be covered and removed for offsite disposal.
 5. Surge Stockpile – During removal of a loaded trailer, waste received on the tipping floor will be pushed into the surge stockpile area to maintain an unobstructed tip floor for incoming vehicles. Calculations of the surge stockpile capacity are provided on Sheet 2. The surge stockpile area can accommodate up to approximately 195 CY (68 tons) of waste. This capacity is equivalent to waste from approximately 7 inbound vehicles (i.e., approximately 2 hours of receiving capacity), which provides sufficient time to replace a fully loaded trailer with an empty trailer.
 6. Offsite Disposal – The transfer trailers will be loaded directly on a truck scale to determine when the trailer is fully loaded to capacity. Once the transfer trailer has been fully loaded, Facility personnel will cover and inspect the trailer from within the Facility. Covered trailers will immediately exit the Facility for transport to a permitted final disposal location. Transfer trailer vehicle movements are depicted on Sheet 4. All loaded trailers will have a recorded weight prior to leaving the Facility. A list of anticipated permitted disposal locations are included as Appendix D. The list of permitted disposal locations includes facilities that accept waste during overnight hours.

- B. Inbound Delivery Vehicle Staging Area – The parking lot immediately north of the Transfer Station Building provides an off-street queuing location for up to four inbound delivery vehicles. If the scale is occupied when another delivery vehicle arrives, a Facility employee will direct the arriving vehicle to the queuing location. Vehicle queuing on the public roadway is not allowed. Inbound vehicle movements for queued vehicles from the parking lot to the inbound scale are depicted on Sheet 5.
- C. Transfer Trailer Staging Area – As shown on Sheet 1, the Facility includes a trailer/equipment staging yard located approximately 400 feet north of the Transfer Station Building at 701 South Fulton Avenue, Mount Vernon, NY on Parcel ID 169.48-4090-1. This staging area contains a 5,000 ft² building on the eastern portion and a 5,000 ft² outdoor concrete yard on the western portion. The parcel has pull-through access entering from South Fulton Avenue and exiting onto Miller Place. A site plan for the South Fulton Avenue parcel depicting trailer queuing is provided on Sheet 3.

The staging area has capacity for six transfer trailers at one time, although transfer trailers will be continuously cycled between the transfer station building, the offsite disposal facilities, and the staging area. The primary offsite disposal facilities are located within a 2 to 3-hour roundtrip. Nine transfer trailers and cabs will be dedicated to the Facility to continuously transport transferred waste. Trailer cabs will drop empty trailers at the staging area and proceed to the transfer station building to pick up the next loaded trailer. A yard jockey will shuttle empty trailers between the staging area and the Transfer Station Building. Nine transfer trailers can remove waste from the Transfer Station Building over a period of approximately 9 hours at maximum throughput. This quantity of trailers provides a 6 hour safety factor for potential delays to or from the offsite disposal facilities.

4.2 Process Flow Chart



Waste received and transferred at the following maximum rates
By Weight: 800 tons per day By Volume: 1,600 cubic yards per day

5.0 FACILITY DESIGN

The Facility is designed to operate 24 hours per day with a maximum throughput of 800 tpd. This throughput requires the efficient transfer of waste at a rate of approximately 15 minutes per delivered load. At peak throughput, the Facility will unload three to four delivery vehicles and load one transfer trailer every 60 minutes. A throughput plan with supporting calculations is provided on Sheet 2.

5.1 Materials Handled

The Facility will receive MSW as defined at 6 NYCRR 360.2(a)(184), which includes “residential, commercial, and institutional waste.” The Facility will have customers that generate “Institutional Waste”, which is defined at 6 NYCRR 360.2(a)(156) as “waste that is generated by hospitals, long-term care facilities, schools, prisons, government agencies, or other similar type facilities.”

The Facility will not receive Regulated Medical Waste as defined by 6 NYCRR Part 360.2(b)(240)(i), nor will the Facility accept or process any construction and demolition debris, industrial waste, agricultural waste, hazardous waste, infectious waste, or sludges/liquids. A detailed description of acceptable wastes can be found in the Facility Manual under Section 2.0 – Waste Control Plan.

5.2 Schedule of Operations

The Facility has received approval from the City of Mount Vernon to operate 24 hours per day. The service area includes institutional waste generators (e.g., healthcare facilities) that operate 24 hours per day and require waste to be collected during non-peak hours (i.e., overnight). During the day, certain healthcare institutions require unobstructed access for essential services and vendors, such as ambulances, food service, linen service, and a higher frequency of patients and visitors. Letters from representative healthcare institutions that require overnight service are included in Appendix E.

The Facility will also service waste generators that only operate during daytime business hours; therefore, the Facility schedule is 24 hours per day to service all waste generators.

5.3 Service Area

The primary service area includes Westchester County, Putnam County, Rockland County, Bronx County, and New York County.

5.4 Equipment

The following equipment is required to operate the Facility:

Table 2: Facility Equipment List

Equipment	Use	Description
Radiation Detection System Ludlum Measurements, Inc. Model 375P	Screen inbound waste radioactivity	A fixed radiation detection unit will be installed at the inbound vehicle door to monitor each incoming load. Manufacturer literature is included in Appendix F.
Truck Scales Fairbanks Tundra Series	Weigh inbound and outbound material	One at-grade scale is located inside the northern vehicle door to weigh inbound waste deliveries. One at-grade scale is located inside the southern vehicle door to weigh transfer trailers during loading. Manufacturer literature is included in Appendix G.
Truck Scale Kiosk SMSTurbo®	Issue load tickets to waste delivery drivers.	The kiosk is connected to the Facility scale ticketing system and issues load tickets for delivery vehicles.
Delivery Vehicles	Collect and deliver waste to the Facility	Facility fleet vehicles include: • 3 Kenworth T880 Roll-Off Trucks • 2 Freightliner M2 Roll-Off Trucks • 3 Peterbuilt 320 Packer Trucks Fleet vehicles are supplemented by private third party haulers.
Front-End Loader	Waste handling and transfer	The loader is equipped with a 6.5 CY bucket to clear the tip floor of waste by loading directly into transfer trailers or pushing into the surge stockpile as needed.
Skid Steer	Waste handling	The skid steer assists the front-end loader by handling waste to maintain cleanliness of indoor areas. The skid steer transfers identified unauthorized waste to the designated storage container.
Yard Jockey Truck	Empty transfer trailer handling	The yard jockey moves empty trailers from the staging area to the transfer station building for loading. The yard jockey has a shorter profile than a normal cab to facilitate movements into the transfer station building.

5.5 Load Weight Assessment

Representative scale tickets were reviewed for trucks that are anticipated to service the Facility to determine reasonable payload weights for the Facility throughput design. Tickets were reviewed for delivery vehicles consisting of open-top roll-offs, compactor roll-offs, and packer trucks. The load weight assessment is summarized in the following table:

Table 3: Waste Delivery Vehicle Payload Assessment

	Payload Weight			
	Open-top Roll-off	Packer Truck	Compactor Roll-off	Total
Count	10	15	15	40
Minimum, tons	6.1	11.2	11.9	6.1
Maximum, tons	10.1	12.6	15.3	15.3
Median, tons	7.0	11.6	12.3	11.8
Average, tons	7.4	11.7	12.6	11.0

The average payload weight ranges from 7.4 tons for open-top roll-offs to 12.6 tons for compactor roll-offs. The average payload weight across all delivery vehicles is 11.0 tons per load. The Facility is expected to be serviced primarily by packer trucks and compactor roll-offs. Based on the load weight assessment, a delivery weight of 10 tons per load was selected to conservatively estimate a higher-than-expected delivery traffic rate. At 10 tons per load, incoming waste will be delivered by 80 trucks per day (i.e., 3 to 4 trucks per hour).

Tickets were reviewed for representative transfer trailers that are expected to service the Facility to determine a reasonable payload weight for waste removal for offsite disposal. The load weight assessment is summarized in the following table:

Table 4: Transfer Trailer Payload Assessment

	Transfer Trailer Payload Weight
Count	81
Minimum, tons	32.6
Maximum, tons	50.7
Median, tons	37.7
Average, tons	38.0

Based on the load weight assessment, a transfer trailer payload weight of 33 tons was selected to conservatively estimate a lower-than-expected waste removal weight. At 33 tons per load, waste will be removed by 24 to 25 transfer trailers per day (i.e., approximately one truck per hour).

5.6 Site Access and Traffic

The Facility is located on Miller Place, which is a local urban roadway with direct access to NY Route 22, which is a principal urban arterial roadway. All vehicular traffic will access the Transfer Station Building from Miller Place through vehicle doorways equipped with closing doors. Building elevation drawings are included in Appendix G, and vehicle entrance door details are included in Appendix I. The parking lot

immediately north of the Transfer Station Building provides off-street parking for five employees per shift. The parking lot also provides off-street queueing for delivery vehicles to prevent queueing on the public roadway. Delivery vehicles will consist primarily of packer trucks, open-top roll-off trucks, and compactor roll-offs with a total vehicle length less than or equal to 30 feet.

Waste will be transferred into interstate semitrailers with a trailer length of 48 feet and a total vehicle length of 69 feet. Empty trailers will be staged on Parcel 169.48-4090-1 located approximately 400 feet from the Transfer Station Building on Miller Place. Loaded trailers will exit the Transfer Station Building and travel less than 1 mile on minor and principal urban arterial roadways to the freeway and interstate roadway network for transport to final disposal locations.

A vehicle movement assessment for transfer trailers is provided on Sheet 4 that demonstrates the design delivery vehicle can enter and exit the Facility to the existing roadway network. A vehicle movement assessment for delivery vehicles is provided on Sheet 5 that demonstrates the design delivery vehicle can circulate that Transfer Station Building.

At the design throughput, waste will be delivered at a rate of approximately 33 tons per hour. At a design delivery load weight of 10 tons per load, waste will be delivered at a rate of 3 to 4 trucks per hour. Waste will be removed in transfer trailers at a design removal load weight of 33 tons per load, which corresponds to a removal rate of approximately 1 truck per hour. Therefore, daily traffic at the design throughput will include up to four delivery vehicles and one loaded transfer trailer every 60 minutes. Review of the NYSDOT Traffic Data Viewer indicates that local minor and principal arterial roadways have average daily traffic on the order of 8,000 to 16,000 vehicles per day with peak traffic occurring around 8:00 AM and 4:00 PM. The Facility traffic is expected to have a negligible impact on the existing roadway network. Operating 24 hours per day will allow some Facility traffic to occur outside of peak hours.

The Facility is expected to operate closer to the average load weights described in Section 5.5 (i.e., 11 tons per load delivered and 38 tons per load removed). As the Facility operates closer to the average load weights, the actual number of vehicles delivering waste decreases and the number of transfer trailers removing waste also decreases. For example, transfer trailers removing waste at the average rate of 38 tons per load will decrease the number of transfer trailers to 21 per day and increase the available loading time to 68 minutes per trailer. Therefore, the throughput assessment is generally conservative and within typical ton per hour throughputs of similar existing transfer facilities.

5.7 Material Reception

All delivery vehicles, whether directly owned and operated by the Facility or 3rd party haulers, require a certified empty tare weight on file before delivering any waste. The delivery vehicle will be provided a long-range RFID tag when the tare weight is entered into the SMSTurbo® Scale Management Software. The RFID tag will communicate with the scale software when the vehicle approaches the scale to retrieve the stored tare weight. Once on the scale, the load weight will be calculated and driver will retrieve a load ticket from the scale kiosk. Loads are recorded and charged by the ton, so variations in fuel level have a negligible effect on the tare weight and load weight. For example, an 80-gallon diesel tank varies 0.3 tons between being full and empty.

The RFID weighing system allows delivery vehicles to pass over the scale only once to streamline the delivery process. After unloading, delivery vehicles simply exit the Facility and are not required to weigh out to determine a load weight. Should a vehicle without an issued RFID tag attempt to enter the Facility, an employee assigned to screen incoming loads will reject the vehicle and not allow the vehicle to unload.

As required pursuant to 6 NYCRR 362-3.4(e) for transferring waste out of New York State, a fixed radiation detection unit manufactured by Ludlum Measurements, Inc. (or approved equal) will be installed at the vehicle entry door to monitor each incoming load. The detector investigation alarm setpoint will be between two and five times the background radiation level with background radiation readings measured and recorded daily. The detector will be calibrated at least annually, and a field check will be performed at least weekly with a known radiation source equivalent to a 25 pCi/g concentration of radium-226. Loads that trigger the investigation alarm will be processed in accordance with procedures in the Facility Manual. NYSDEC will be notified within 24 hours of all documented radiation exceedances, including the date, time, customer name, truck number, origin of the waste, detector reading, and disposition of the waste.

All personnel involved in scale house operations will be properly trained in the operation of the detection unit as recommended by the manufacturer and as required by applicable State and Federal laws.

5.8 Tipping Floor

The tipping floor will be constructed in accordance with the following design parameters:

- Compacted subbase: >6 inches granular aggregate
- Concrete strength >4,000 psi
- Total concrete thickness: 8 inches
- Metal reinforcement: 6x6 Welded Wire Mesh (at least W1.4 size) placed 2 inches from top of concrete.
- Joint spacing: 15 ft saw cut 1.25 inches deep and sealed.

The wire mesh will serve as a demarcation layer for when floor resurfacing is required.

5.9 Push Wall

The push wall will be reinforced concrete with steel plate facing. Structural design of the push wall has been performed by AAES Engineering and is included in Appendix J.

5.10 Environmental Controls

The Facility is designed to minimize the potential offsite release of trash, dust, leachate, odor, and noise emissions. The Transfer Station Building will be equipped with a FireRover suppression system that monitors, detects, and initiates fire suppression if/when fire is detected.

5.10.1 Nuisance Litter and Dust Control

The Facility Manual provides additional details on mitigation of nuisance litter and dust. All incoming material is received in covered trucks and unloading occurs indoors. Similarly, all transfer occurs indoors. Facility vehicle entrance door details are provided in Appendix H. The handling of all material indoors minimizes the potential for fugitive litter and dust.

5.10.2 Leachate Control

MSW is received in covered vehicles and handled indoors; therefore, leachate generation is expected to be minimal. The Transfer Station Building is equipped with the following infrastructure for leachate control as shown on the Sheet 2:

- Trench Drains: Each vehicle door has a trench drain spanning the door threshold to prevent any liquid on the transfer station floor from exiting the building.
- Catch Basins: One catch basin is located beneath the delivery vehicle scale and a second catch basin is located beneath the transfer trailer scale. These catch basins collect any liquid that may be on the transfer station floor.
- Oil-Water Interceptors: The catch basins and trench drains are connected to an oil-water separator prior to discharge to the municipal sanitary sewer.
- Drain Pipes: The trench drains, catch basins, and oil-water separator are interconnected using solid drain piping. Collected leachate is discharged from the oil-water separator to the municipal sanitary sewer system. Drainage piping will be SDR 35 or Schedule 40 PVC.

5.10.3 Odor Control

Good housekeeping practices will be employed as the most efficient manner to control odors. All transfer activities are to occur within the Facility therefore minimizing the amount of odors generated during operation. Exterior doors to the Facility will be kept closed, when possible, to further reduce generated odors. Odor control products will be implemented if needed to prevent nuisance conditions. If determined necessary, odor control products will be dispersed through one or more drum-mounted misters focused at the tip floor. A fixed misting system is not planned to be incorporated into the building. Product will be stored in 55 gallon drums and not require a chemical bulk storage registration.

5.10.4 Stormwater Management

The Facility is a redevelopment project of a parcel that is 100% impervious surface. All industrial activities will be conducted indoors and not exposed to stormwater. The Facility is not located in the 100-year or 500-year floodplain. As shown on the Sheet 2, stormwater runoff from the transfer station roof rooftop stormwater will continue to be managed through existing discharge points in the curb along Miller Place for conveyance to existing curb inlets and the municipal stormwater sewer system. The stormwater management system is entirely separate from the leachate collection system.

5.11 Noise Assessment

6 NYCRR 360.16 requires SWMF permit applications to include a noise assessment to demonstrate compliance with promulgated maximum sound levels. NYSDEC Program Policy for Assessing and Mitigating Noise Impacts outlines best practices for evaluating the potential for adverse impacts of sound generated and emanating to receptors outside of the Facility. The policy describes that activities contained within an area in which local zoning provides for the intended use (referred to as “right of use”) do not need a noise impact analysis because noise is addressed in the established zoning. The Facility is consistent with current and proposed future zoning designation as “Industrial.”

5.11.1 Part 360 Noise Restrictions

Operating requirements for noise are subject to the following noise standards contained in 6 NYCRR Part 360.19(j):

The owner or operator of a facility must ensure that noise resulting from equipment or operations at the facility does not exceed the following energy equivalent sound levels beyond the property line owned or controlled by the owner or operator of the facility at locations authorized for residential purposes:

Table 5: 6 NYCRR Part 360.19(j) Noise Restrictions

<i>Character of Community (within 1 mile radius)</i>	<i>Leq Energy Equivalent Sound Levels</i>	
	<i>7 a.m.-10 p.m.</i>	<i>10 p.m.-7 a.m.</i>
<i>Rural</i>	<i>57 decibels (A)</i>	<i>47 decibels (A)</i>
<i>Suburban</i>	<i>62 decibels (A)</i>	<i>52 decibels (A)</i>
<i>Urban</i>	<i>67 decibels (A)</i>	<i>57 decibels(A)</i>

Based on the population density of the City within a 1-mile radius of the Facility, urban noise restrictions apply, which limit the maximum sound level to 67 decibels (dBA) from 7:00 AM to 10:00 PM and 57 dBA from 10:00 PM to 7:00 AM as measured beyond the Facility property line at the closest location authorized for residential purposes (i.e., closest potential receptor). Although the Facility property and immediate surroundings is zoned “Industrial”, the northeast portion of Miller Place contains dwellings used for residential purposes. The closest residential zoned property is approximately 0.25 miles to the west. The regulations clarify that if the background sound level exceeds the referenced noise restriction, then the Facility noise must not cause an increase of more than 3 dBA above background conditions.

5.11.2 City of Mount Vernon Noise Restrictions

The City of Mount Vernon includes noise restrictions at §178 of the City Code. The code generally prohibits any noise that is excessive, unnecessary, or unusually loud. Applicable to the Facility, are noise restrictions for motor vehicles contained at §178-4.3, 4.4, and 4.5. These restrictions include the following:

- Moving Vehicle with Gross Weight Over 10,000 lbs: 86 dBA at 50 feet
- Stationary Vehicle with Gross Weight Over 10,000 lbs: 88 dBA at 50 feet
- Refuse Collecting Vehicles: 80 dBA at 10 feet

Motor vehicles servicing the Facility will be properly maintained to comply with applicable noise restrictions.

5.11.3 Adverse Noise Impacts

The NYSDEC Program Policy outlines the following thresholds for assessing the significance of a noise increase:

Table 6: Impact of Noise Increase Above Ambient

Noise Increase, dBA	Level of Significance
0-3	No appreciable effect on receptors
3-6	Potential adverse impact on only most sensitive receptors
>6	Potential adverse impact requiring additional study
>10	Perceived doubling of noise level

This noise assessment compares projected noise from the proposed Facility to the threshold criteria to determine whether a potential significant adverse impact related to noise may occur.

5.11.4 Potential Noise Sources

Facility noise sources include truck traffic associated with delivery and removal of waste. The maximum combination of noise sources within the transfer station is expected to be one delivery vehicle on the scale, one delivery vehicle unloading, two queued delivery vehicles, one transfer trailer staged for loading, one yard jockey, and one bucket loader.

The individual sound pressure levels for representative noise source are combined to an effective sound pressure level using the following equation:

$$L_{\text{Effective}} = 10 \log[10^{L_1/10} + 10^{L_2/10} + 10^{L_3/10} + \dots + 10^{L_n/10}]$$

Where: $L_{\text{Effective}}$ = Sound pressure level (dBA) of all equipment operating simultaneously.
 L_1, L_2 = Sound pressure level (dBA) of each individual piece of equipment.

The effective sound level for each area assumes all listed equipment are operating simultaneously with no attenuation from the Transfer Station Building. Anticipated noise sources and estimated sound levels include the following for the full buildout of the Facility:

Table 7: Process Equipment Sound Levels (Assumed at 50 feet from Source)

Item	Description	Quantity	Assumed Reference Sound Pressure Level dB(A)
1	Delivery Vehicle	4	80
2	Transfer Trailer with Cab	1	88
3	Transfer Trailer with Yard Jockey	1	88
4	Bucket Loader	1	80
Combined Sound Level With All Equipment Operating			92.4

The NYSDEC Program Policy states that building walls with closed windows can provide a noise level reduction of 15 decibels. Noise levels decrease further by 6 decibels for every doubling of distance from the source beyond 50 feet. The Federal Highway Administration (FHWA) provides additional guidance for noise mitigation from common barriers (e.g., walls, ceilings, and berms) in “The Audible Landscape: A

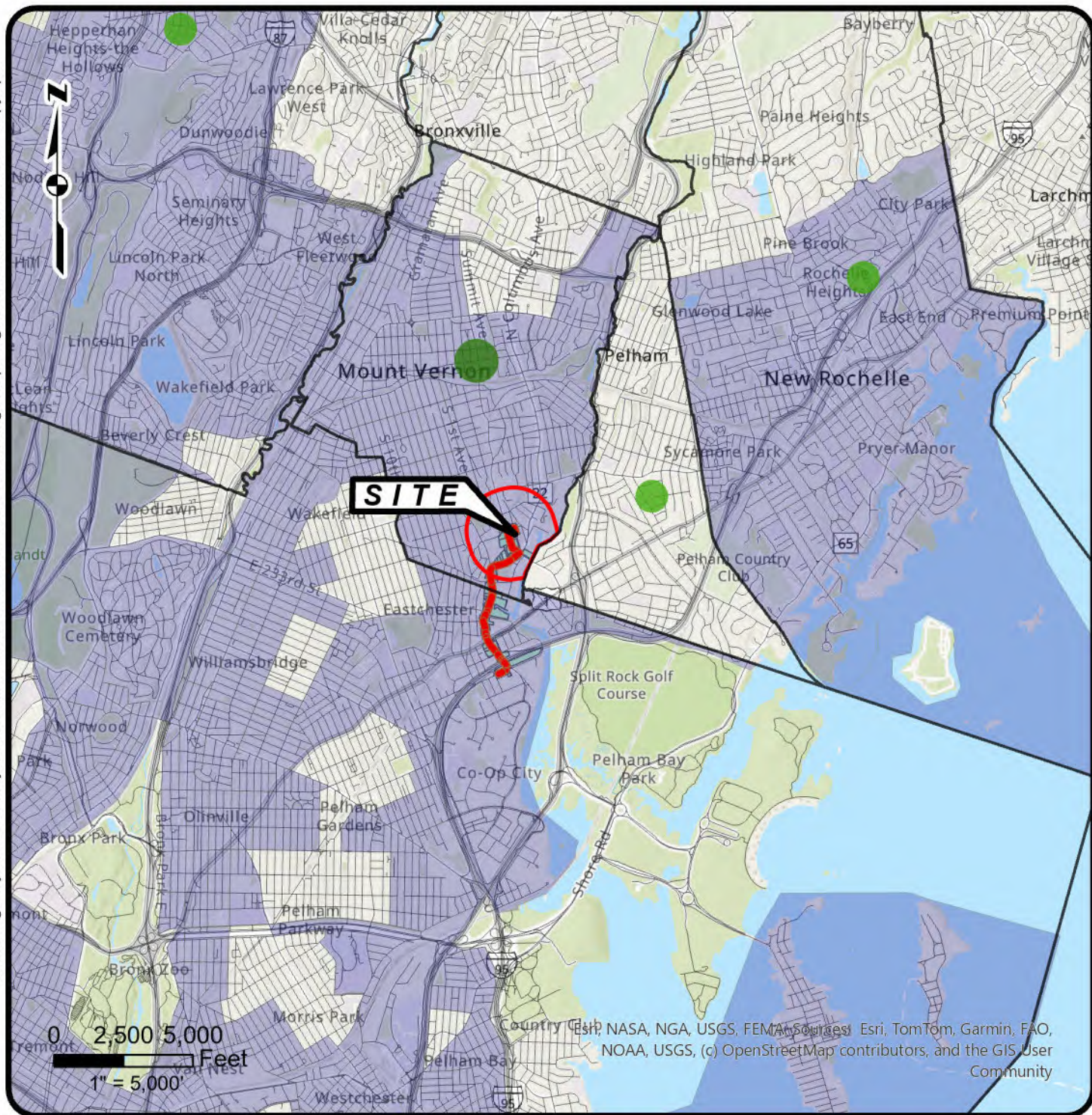
Manual for Highway Noise and Land Use.” Common constructed building walls can provide noise reduction of 35 to 52 dBA, while a single wall barrier with no ceiling can provide noise reduction up to 15 dBA.

A modest 15 dBA reduction was applied to indoor equipment consisting of 2 delivery trucks, 1 transfer trailer, and the bucket loader. Even if the Facility vehicle doors are open, the facility walls act as a barrier to the line-of-sight noise path from the indoor equipment to outdoor residential receptors. There are no residential receptors directly across the street of the Facility. The property at 127 Miller Place is used as an office for an industrial tenant on Miller Place. Applying the noise reduction to indoor equipment results in a peak combined sound level of 89.3 dBA. Note that this calculated combined sound level assumes all noise sources are co-located at a single point. The closest residential use is approximately 190 feet northeast of the Facility. Applying a noise attenuation factor of 6 dBA for each doubling of distance beyond 50 feet results in a projected noise level of approximately 77.3 dBA under a conservative scenario with maximum potential equipment operating simultaneously.

Within the industrial zoning district along Miller Place, there are parcels developed for residential use (e.g., 107 to 113 Miller Place and 220 East 8th Street). 113 Miller Place is approximately 190 feet northeast of the Transfer Station Building without direct line-of-sight from the building doors. 220 East 8th Street is approximately 70 feet east of the South Fulton Ave trailer queuing parcel, and also without direct line-of-sight to the garage doors of the Transfer Station Building. These receptors will not experience the full combined sound level of all noise sources, and are more likely to experience a subset of the on-road traffic (i.e., delivery vehicle and/or transfer trailer).

Based on the City Code noise restrictions of 80 to 88 dBA, background noise levels are expected to be higher than the NYSDEC noise restrictions in both residential and industrial zoned districts. The anticipated noise levels from the Facility are expected to be less than the City Code restrictions and therefore not expected to result in an increase in noise levels above background conditions to offsite receptors.

FIGURES



- 1,500' Buffer
- Truck Routes
- Disadvantaged Community
- Street

NY Population Density

- 0 - 577
- 578 - 1946
- 1947 - 4310

- 4311 - 10429
- 10430 - 21731

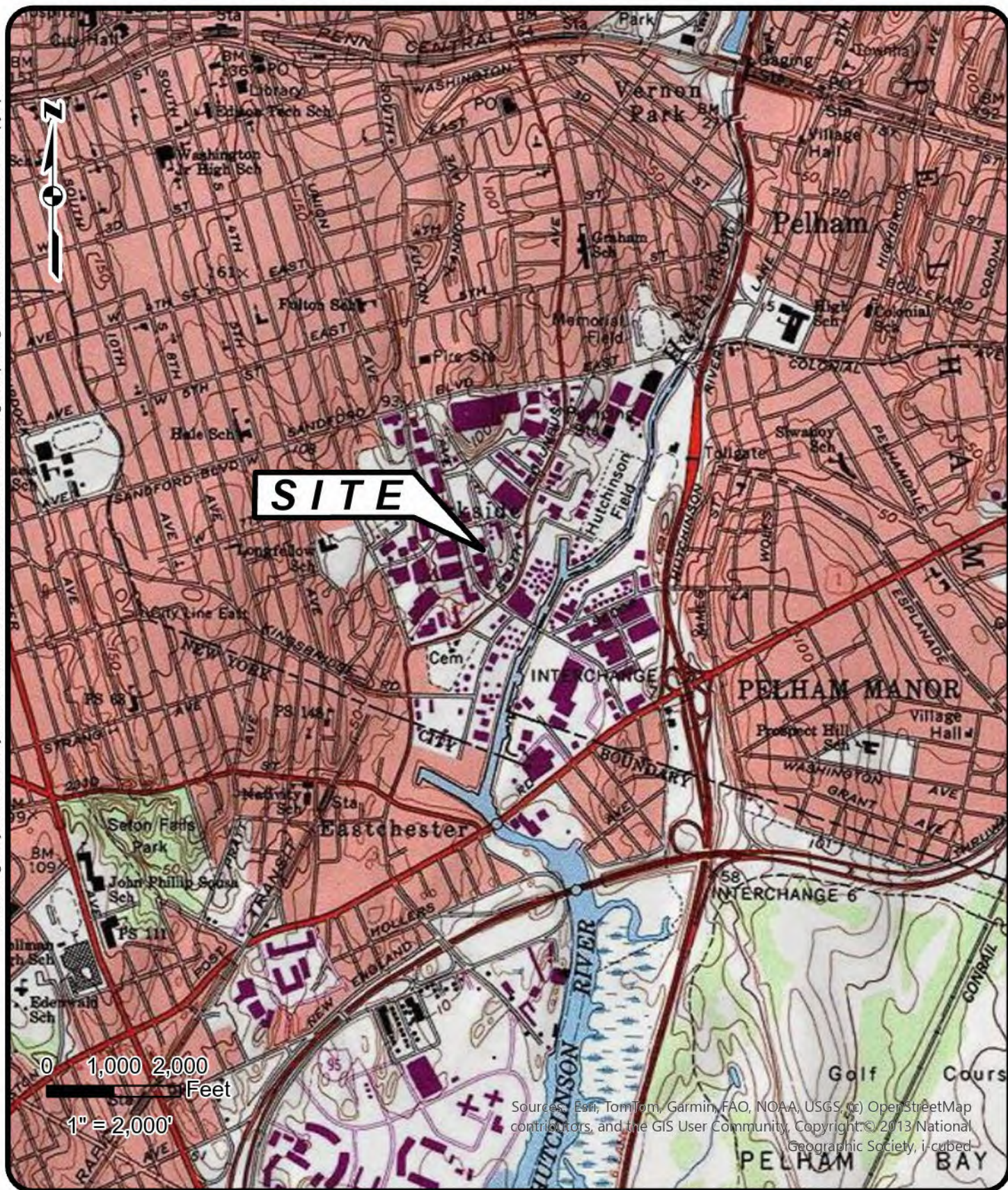
STERLING

Sterling Environmental Engineering, P.C.
24 Wade Road · Latham, New York 12110

REGIONAL SITE LOCATION MAP
130 MILLER PLACE, LLC.
130 MILLER PLACE

CITY OF MOUNT VERNON WESTCHESTER CO., NY

S:\Sterling\Projects\2023 Projects\130 Miller Place Mt Vernon - 2023-67\Drawings-Maps-Figures\GIS\130 Miller Place - Copy.aprx



STERLING

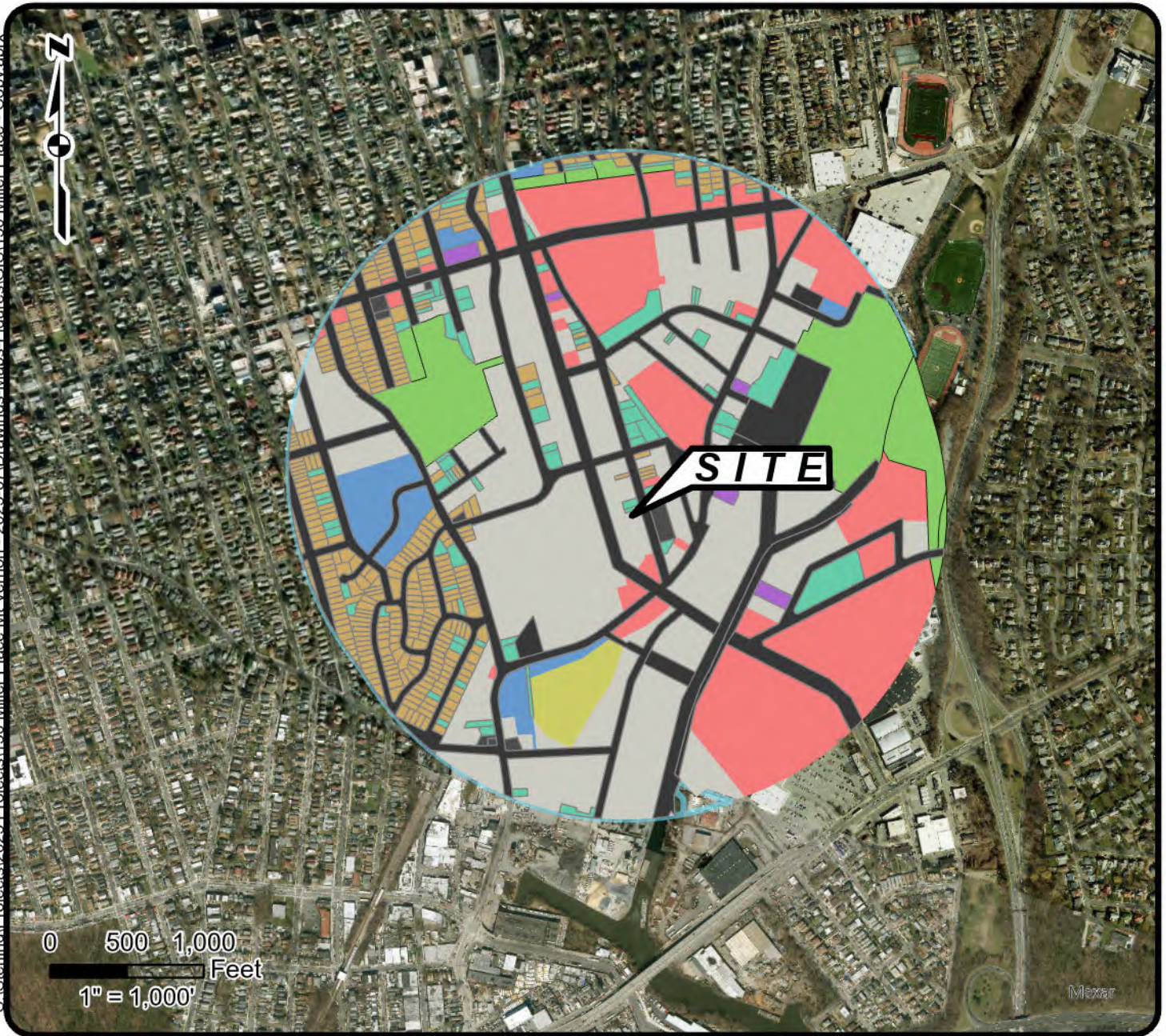
Sterling Environmental Engineering, P.C.
24 Wade Road · Latham, New York 12110

SITE LOCATION MAP
130 MILLER PLACE, LLC.
130 MILLER PLACE

CITY OF MOUNT VERNON WESTCHESTER CO., NY

PROJ.NO. 2023-67 | DATE: 08/29/2025 | SCALE: 1" = 2,000' | DWG.NO. 2023-67002G | FIGURE 2





Disadvantaged Community

Land Use

Cemeteries

Commercial and Retail

Institutional and Public Assembly

Manufacturing, Industrial, Wareho

Mixed Use

Office and Research

Public Parks, Parkway Lands

Residential

Transportation, Communication, Ut

Vacant/Undeveloped

<all other values>

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24 Wade Road · Latham, New York 12110

LAND USE MAP

130 MILLER PLACE, LLC.

130 MILLER PLACE

CITY OF MOUNT VERNON

WESTCHESTER CO., NY

S:\Sterling\Projects\2023 Projects\130 Miller Place Mt Vernon - 2023-67 Drawings-Maps-Figures\GIS\130 Miller Place - Copy.aprx



NYS Surface Lakes
NYS Surface Rivers

Primary Aquifers
Principal Aquifers

NYSDEC Wetlands

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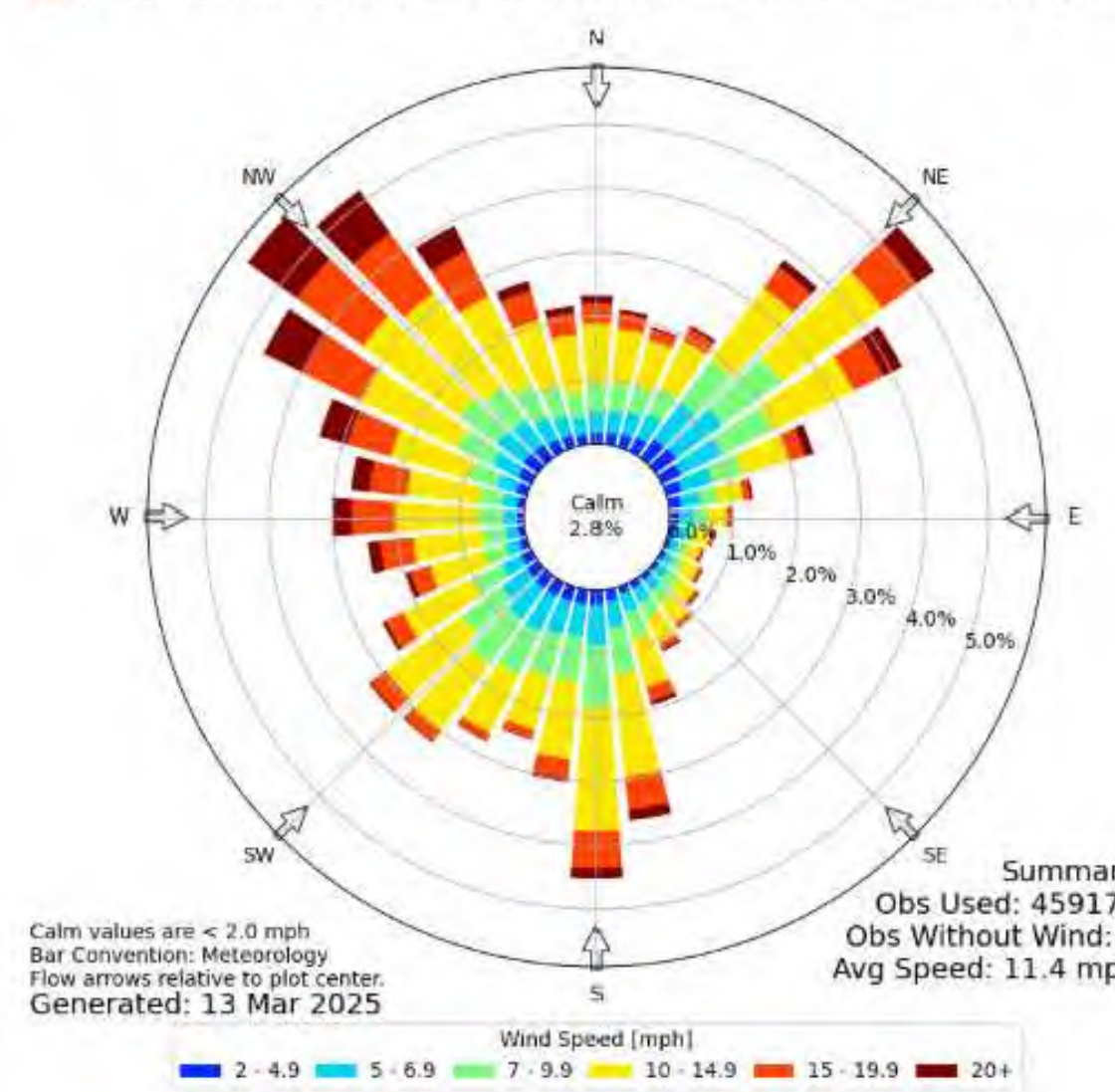
WATER RESOURCES MAP
130 MILLER PLACE, LLC.
130 MILLER PLACE

CITY OF MOUNT VERNON WESTCHESTER CO., NY

PROJ.NO. 2023-67 | DATE: 09/25/2025 | SCALE: 1" 2,000' | DWG.NO. 2023-67005G | FIGURE 5

SHEETS

Windrose Plot for [LGA] New York/LaGuardia
Obs Between: 01 Jan 1970 04:00 AM - 13 Mar 2025 03:51 AM America/New_York



Summary
Obs Used: 459170
Obs Without Wind: 0
Avg Speed: 11.4 mph
Calm values are < 2.0 mph
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 13 Mar 2025

Wind Speed [mph]
2 - 4.9 5 - 6.9 7 - 9.9 10 - 14.9 15 - 19.9 20+



LEGEND:
--- FACILITY BOUNDARY
--- FACILITY SETBACK - 800'
--- MAJOR CONTOUR - 10'
--- MINOR CONTOUR - 2'
--- WETLAND BOUNDARY
--- FEMA FLOODWAY
--- FEMA 100-YEAR FLOODZONE

NOTES:
1. THERE ARE NO KNOWN PUBLIC OR PRIVATE WATER WELLS WITHIN 800 FEET OF THE FACILITY BOUNDARY.
2. THERE ARE NO KNOWN MONITORING WELLS WITHIN 800 FEET OF THE FACILITY BOUNDARY.

REFERENCE:
1. AERIAL IMAGERY FROM NY STATEWIDE ORTHOMAGERY PROGRAM, 2023.
2. TOPOGRAPHIC CONTOURS FROM NYS GIS CLEARINGHOUSE.
3. WETLAND DATA FROM US FISH & WILDLIFE SERVICE NATIONAL WETLAND INVENTORY.
4. FLOODWAYS AND FLOODZONES FROM FEMA FLOOD MAP SERVICE CENTER.
5. WIND ROSE FROM IOWA STATE UNIVERSITY ENVIRONMENTAL MESONET, DATA RECORDED AT LAGUARDIA AIRPORT IN EAST ELMHURST, NY.

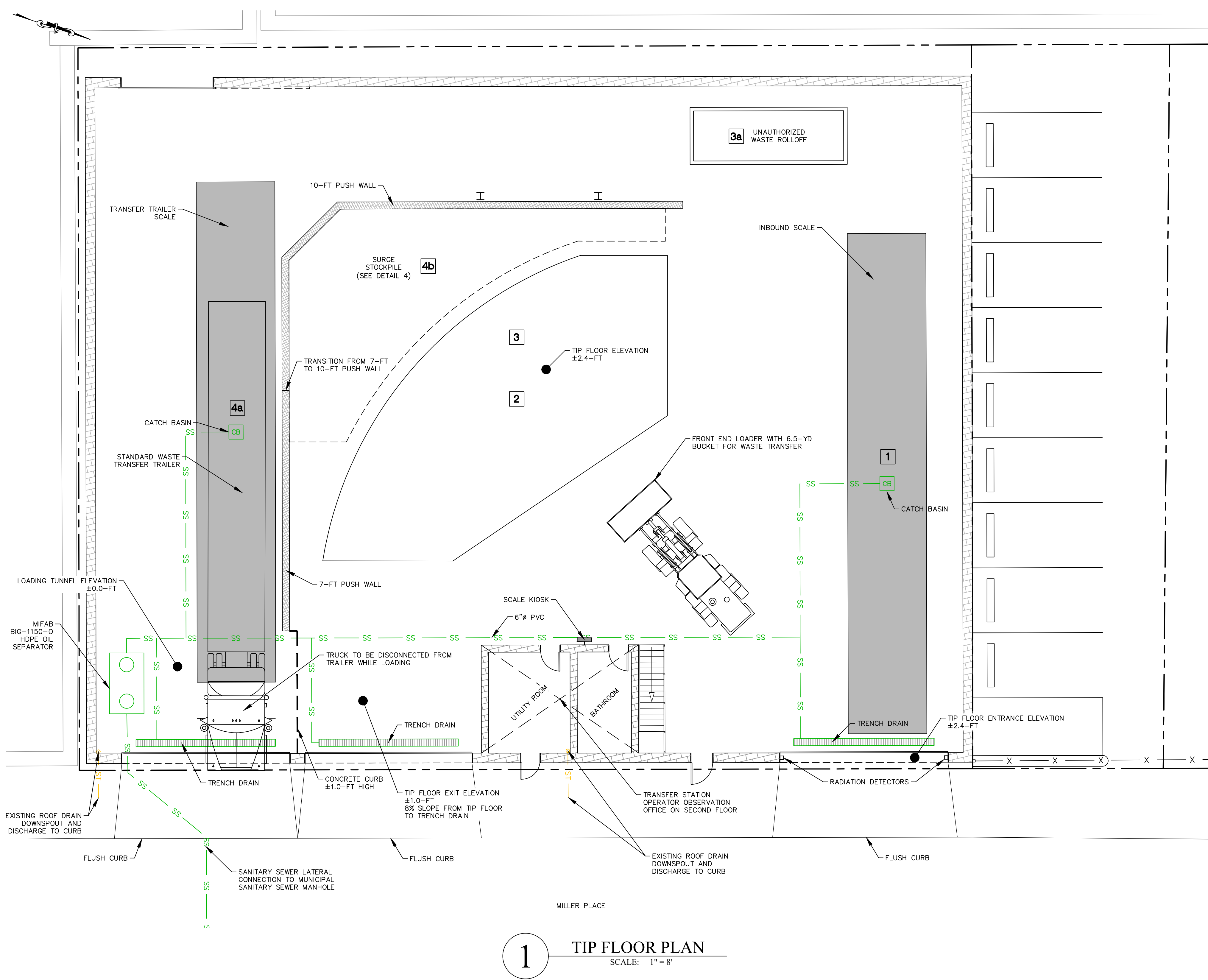


UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

NO.	DATE	RECORD OF WORK	DRN	APPR

PROJECT
PROJ. ENGR.: AMM
PROJ. NO.: 2023-67
PREPARED BY: BTC
DRAFTED BY: BTC
CHECKED BY: AMM
V-DATUM: NAVD88
H-DATUM: NAD83 / NYE
CONTOUR INTERVAL = 5 FEET
0 25 50 100 200
1" = 100'

TRANSFER STATION SITE PLAN 130 MILLER PLACE, LLC 130 MILLER PLACE CITY OF MOUNT VERNON WESTCHESTER CO., NY
STERLING Sterling Environmental Engineering, P.C. 24 Wade Road • Latham, New York 12110
DATE: 09/29/2025 SCALE: 1" = 100' DWG. NO. 2023-67010 SHEET 1 OF 5



FACILITY CALCULATIONS:

TRANSFER STATION CAPACITY:

ASSUMPTION: TRANSFER STATION WITH SURGE PILE BASED ON THE RATE WHICH TRANSFER TRAILERS ARE LOADED.

$$C = (P_t \times N \times 60 \times H_d) / (T_t + B)$$

WHERE:
C = STATION CAPACITY (TONS/DAY)
P_t = TRANSFER TRAILER PAYLOAD (TONS)
N = NUMBER OF TRANSFER TRAILERS LOADING SIMULTANEOUSLY
H_d = HOURS PER DAY USED TO LOAD TRAILERS (HOURS)
T_t = TIME TO LOAD EACH TRANSFER TRAILER (MINUTES)
B = TIME TO REMOVE AND REPLACE EACH LOADED TRAILER (MINUTES)*

NORMAL OPERATIONS:

$$C = (33 \text{ TONS} \times 1 \text{ TRAILER} \times 60 \times 24 \text{ HOURS/DAY}) / (48 \text{ MINUTES} + 11 \text{ MINUTES}^*)$$

CONCLUSIONS:

DAILY THROUGHPUT = 800 TONS/DAY, WHERE:
INBOUND TRUCKS AT 10-12 TONS PER LOAD = 67 TO 80 TRUCKS PER DAY. TRANSFER TRAILERS AT A MIN. OF 33 TONS PER LOAD = 24 TO 25 TRAILERS PER DAY.
TRANSFER TRAILERS ROUND TRIP TIME TO DISPOSAL FACILITY = MAX. 4 HOURS
TYPICAL THROUGHPUT = 33 TONS/HOUR, WHERE 3-4 INBOUND LOADS ARE TRANSFERRED INTO ONE OUTBOUND TRAILER.

INBOUND LOAD WEIGHT ASSESSMENT				
	OPEN-TOP ROLL-OFF	PACKER TRUCK	COMPACTOR ROLL-OFF	TOTAL
COUNT	10	15	15	40
MIN.	6.1	11.2	11.9	6.1
MAX.	10.1	12.6	15.3	15.3
MED.	7.0	11.6	12.3	11.8
AVG.	7.4	11.7	12.6	11.0

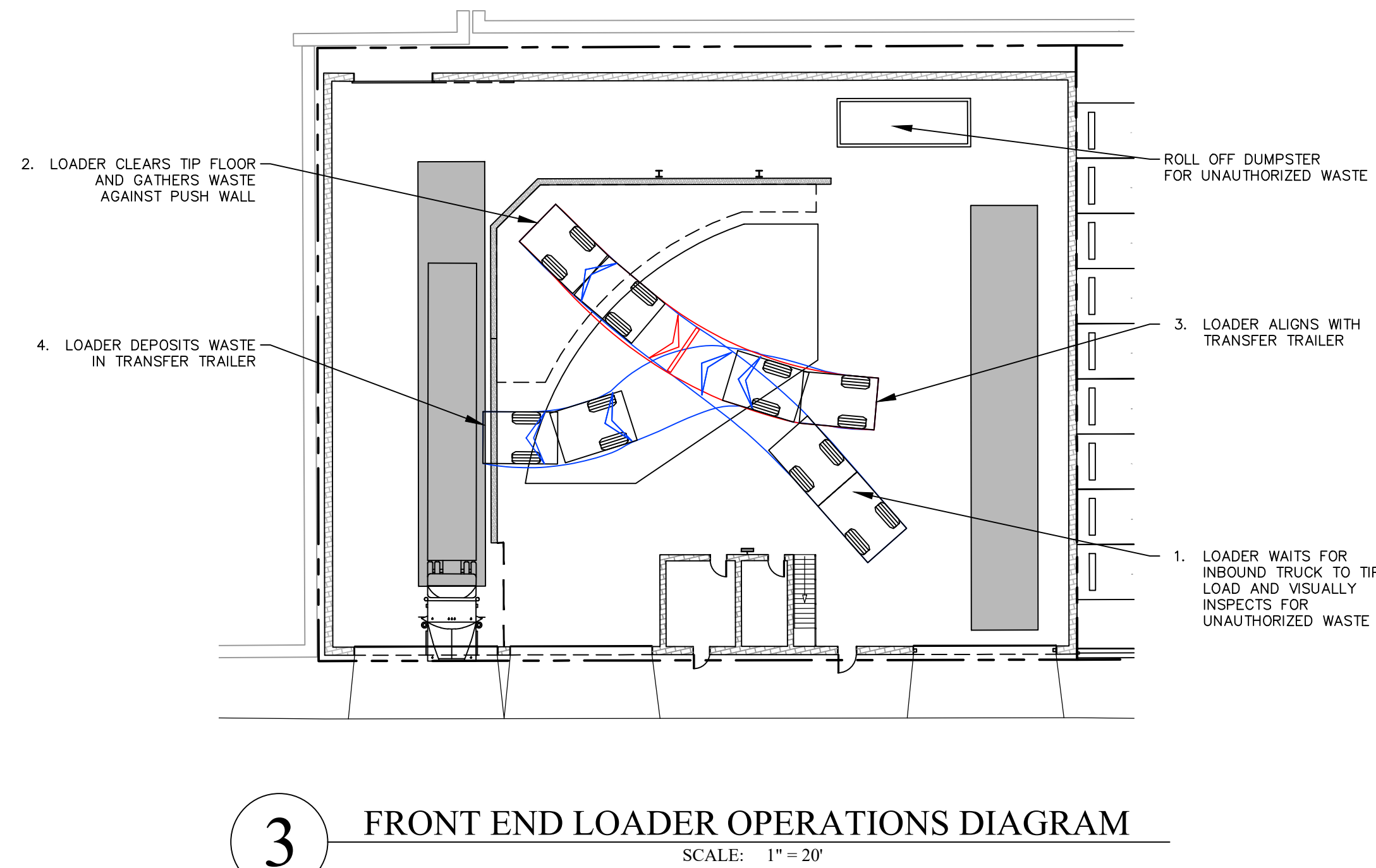
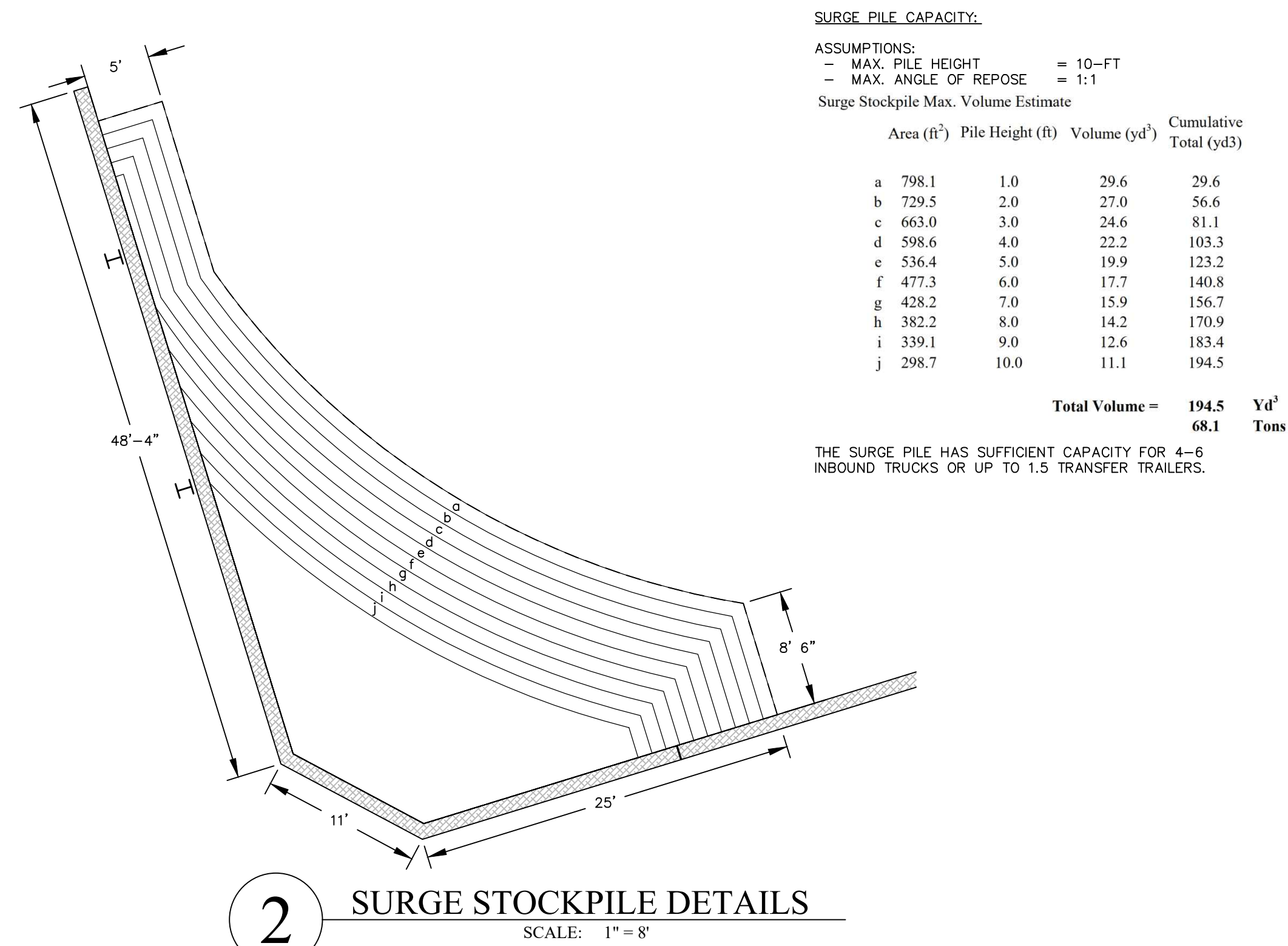
TRANSFER TRAILER	
COUNT	81
MIN.	32.6
MAX.	50.7
MED.	37.7
AVG.	38.0

MATERIAL PROCESS FLOW:

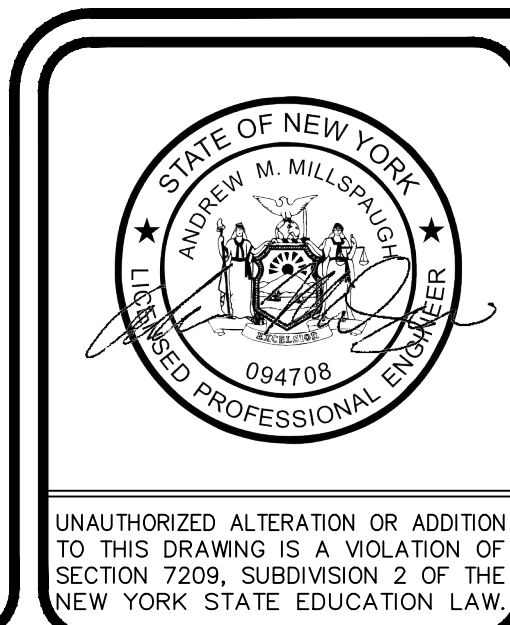
- 1 INBOUND TRUCKS SCALE IN - 2 MINUTES
- 2 INBOUND TRUCKS DUMP ON TIP FLOOR - 3 MINUTES
- 3 LOAD IS INSPECTED - 2 MINUTES
- 3a UNAUTHORIZED WASTES REMOVED FROM WASTE STREAM
- 4a LOAD IS TRANSFERRED INTO OUTBOUND TRUCKS - 5 MINUTES
- 4b LOAD IS STOCKPILED IF TRANSFER TRAILER IS UNAVAILABLE
- 5 REPEAT 3-4 TIMES - 36-48 MINUTES



SCALE KIOSK
SCALE: NTS



NOT FOR CONSTRUCTION

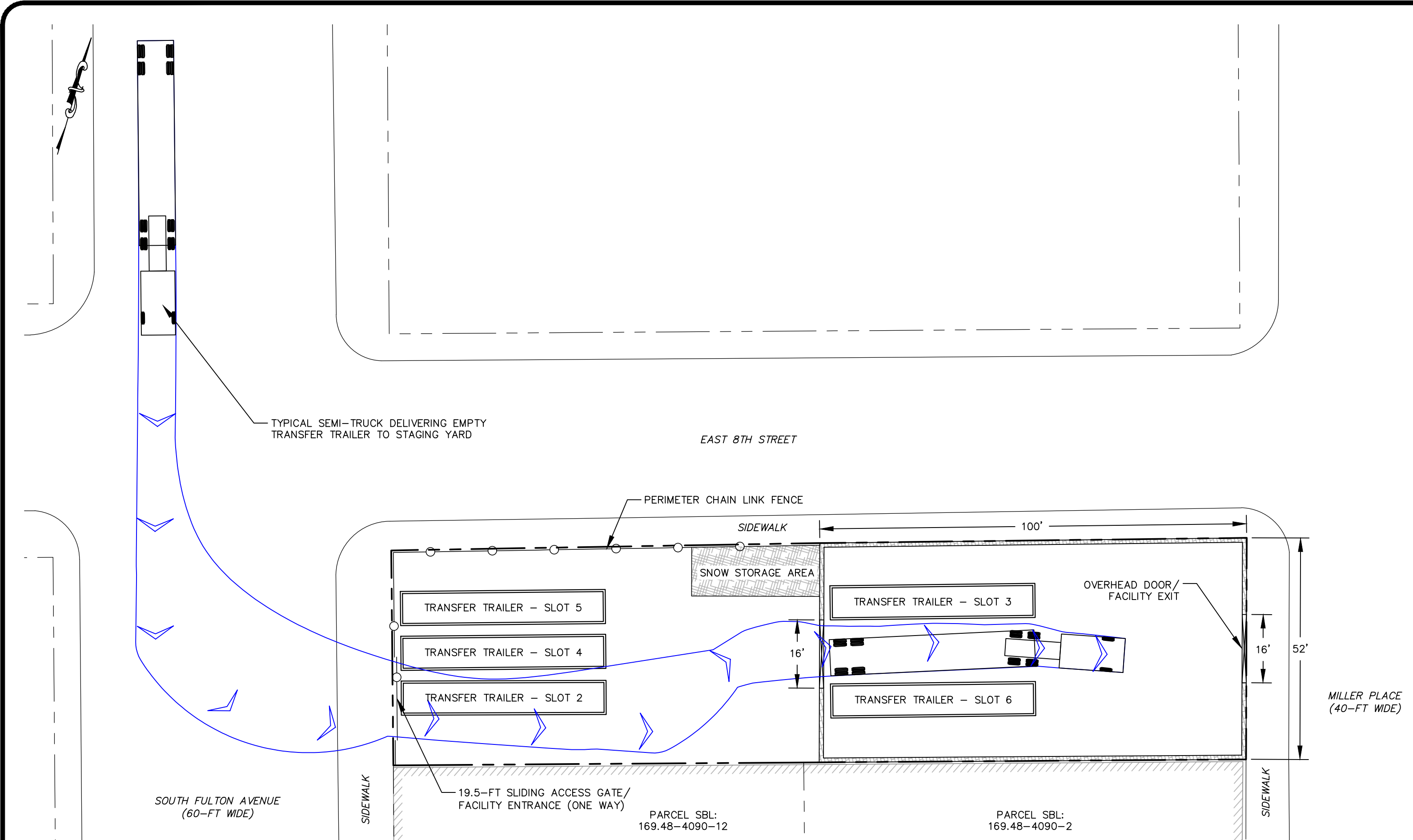


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2	08/26/24	FACILITY CALCULATIONS REVISIONS	BTC	AMM
3	11/07/25	REVISIONS PER NYSDEC COMMENTS - 06/12/25	BTC	AMM
4	07/24/26	REVISIONS PER NYSDEC COMMENTS - 05/12/26	BTC	AMM

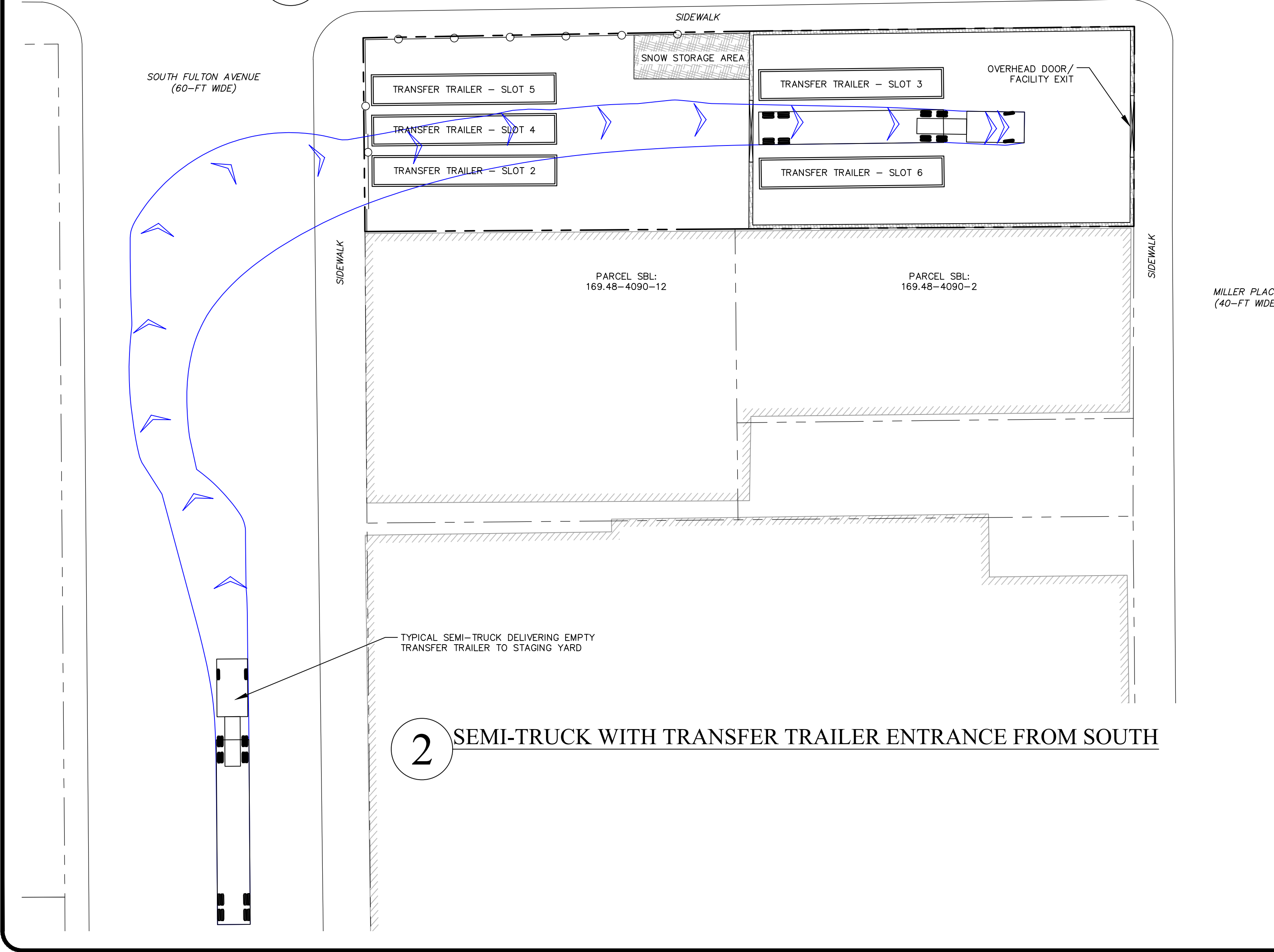
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PROJ. NO.:	2023-67
DRAFTED BY:	BTC
CHECKED BY:	AMM
V-DATUM:	NAVD88
H-DATUM:	NAD83 / NYE
CONTOUR INTERVAL =	NA FEET
0 2 4 8 16 1" = 8'	

TRANSFER STATION TIP FLOOR PLAN 130 MILLER PLACE, LLC 130 MILLER PLACE CITY OF MOUNT VERNON WESTCHESTER CO., NY	
STERLING Sterling Environmental Engineering, P.C. 24 Wade Road • Latham, New York 12110	
DATE: 04/18/2024	SCALE: 1" = 8' DWG. NO.2023-67008 SHEET 2 OF 5

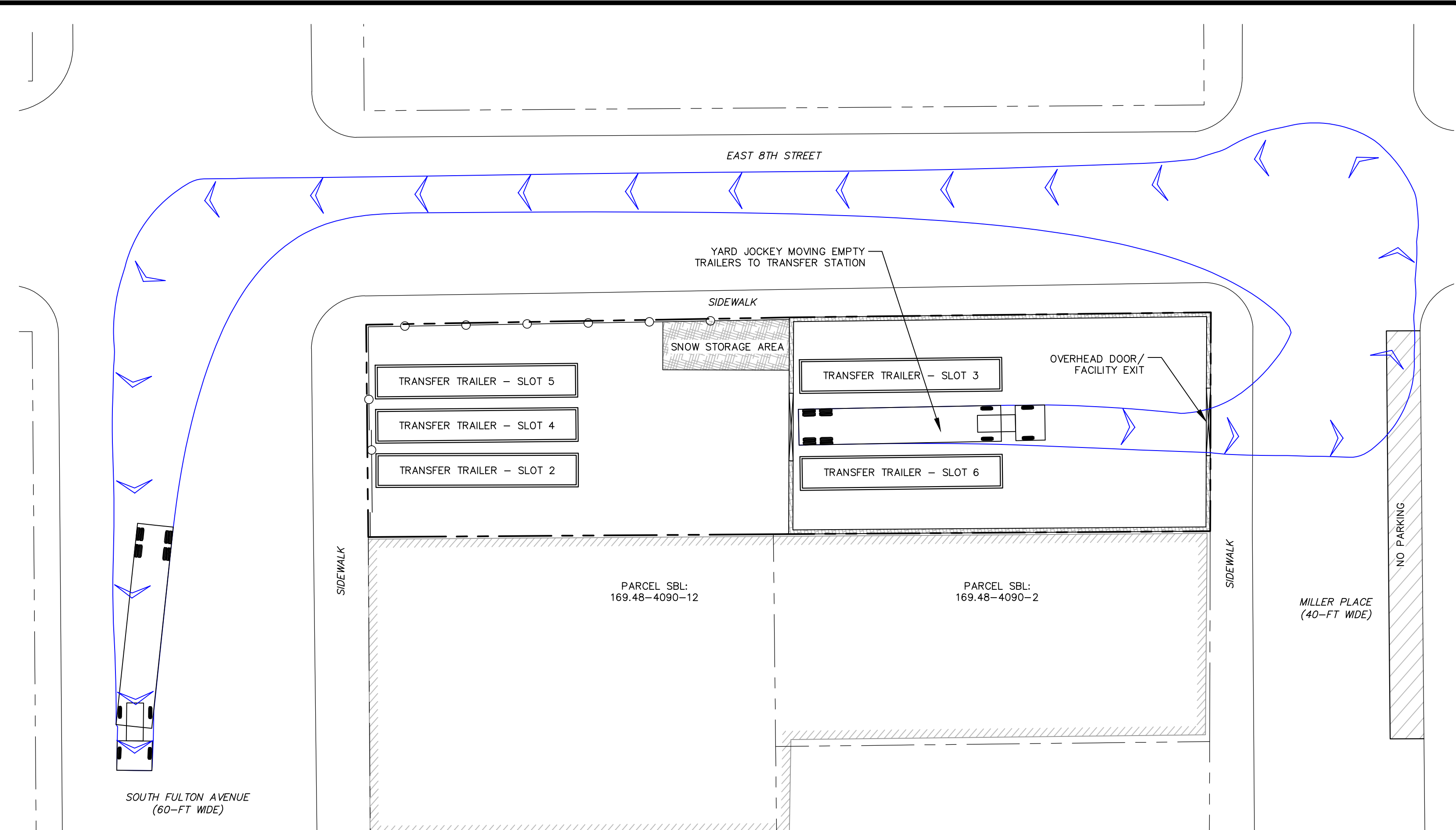
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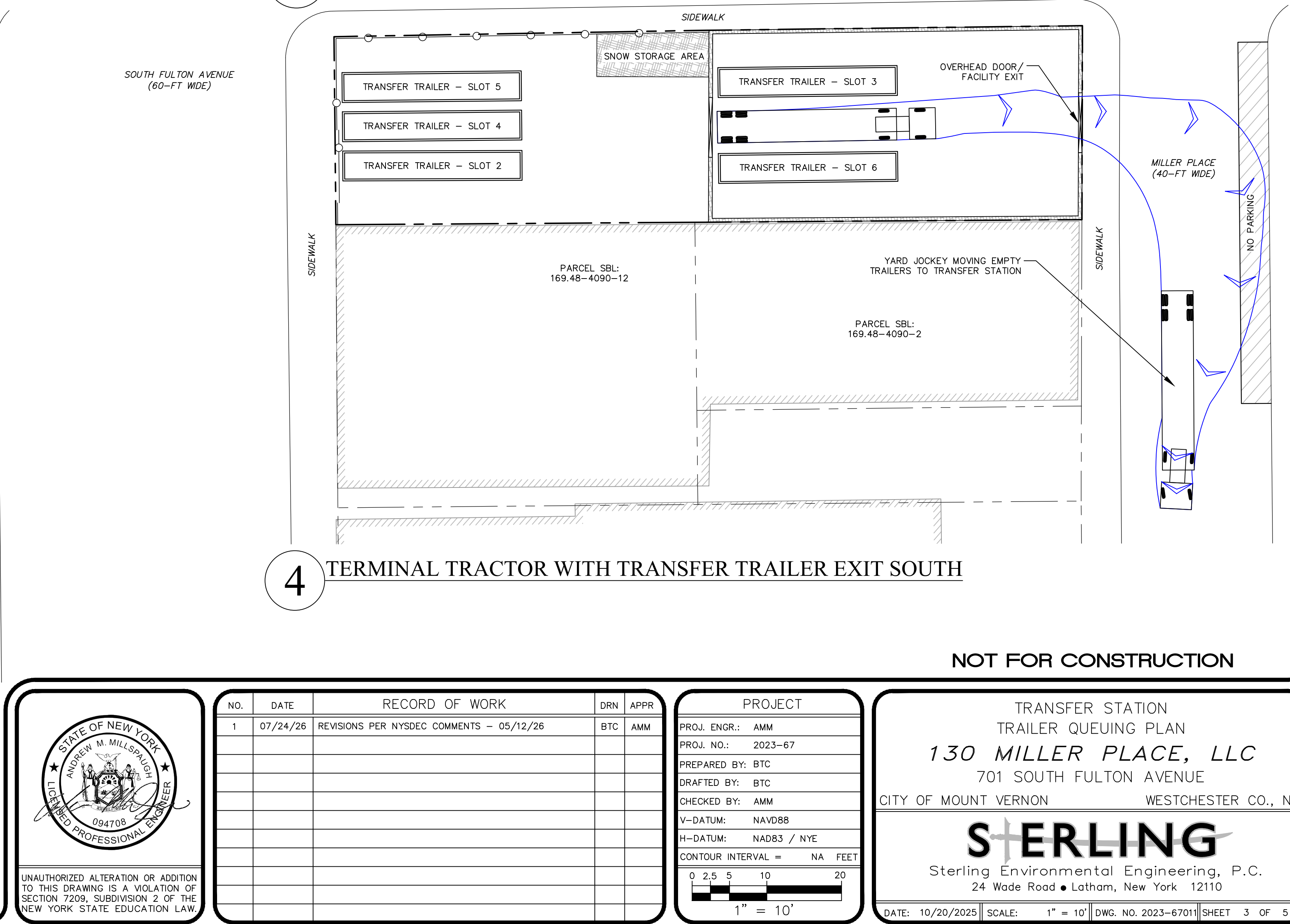
1 SEMI-TRUCK WITH TRANSFER TRAILER ENTRANCE FROM NORTH



2 SEMI-TRUCK WITH TRANSFER TRAILER ENTRANCE FROM SOUTH



3 TERMINAL TRACTOR WITH TRANSFER TRAILER EXIT NORTH



4 TERMINAL TRACTOR WITH TRANSFER TRAILER EXIT SOUTH

NOT FOR CONSTRUCTION

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NO.	DATE	RECORD OF WORK	DRN	APPR
1	07/24/26	REVISIONS PER NYSDEC COMMENTS - 05/12/26	BTC	AMM

PROJECT

PROJ. ENGR.: AMM

PROJ. NO.: 2023-67

PREPARED BY: BTC

DRAFTED BY: BTC

CHECKED BY: AMM

V-DATUM: NAVD88

H-DATUM: NAD83 / NYE

CONTOUR INTERVAL = NA FEET

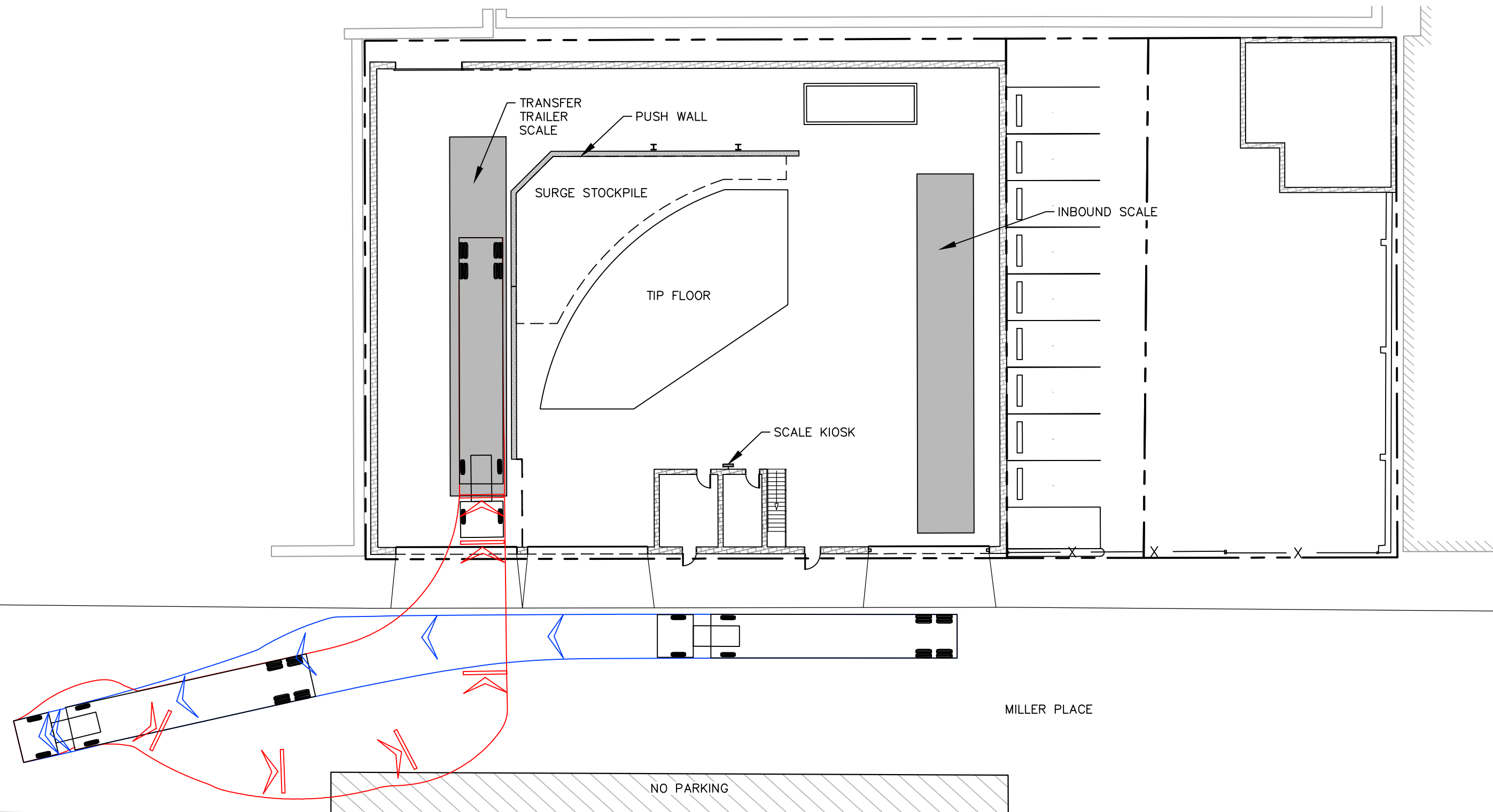
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1" = 10'

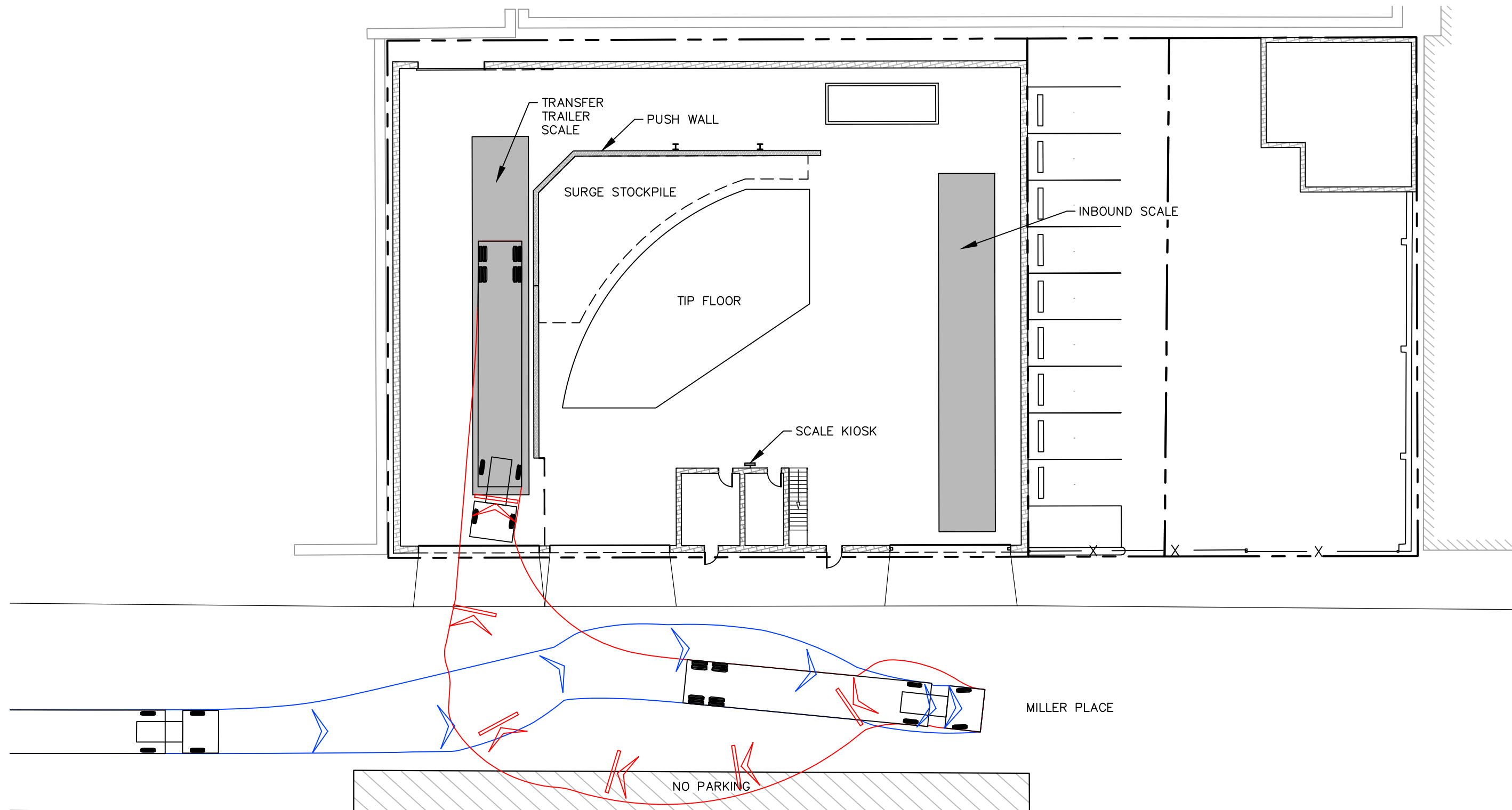
TRANSFER STATION
TRAILER QUEUING PLAN
130 MILLER PLACE, LLC
701 SOUTH FULTON AVENUE
CITY OF MOUNT VERNON WESTCHESTER CO., NY

STERLING
Sterling Environmental Engineering, P.C.
24 Wade Road • Latham, New York 12110

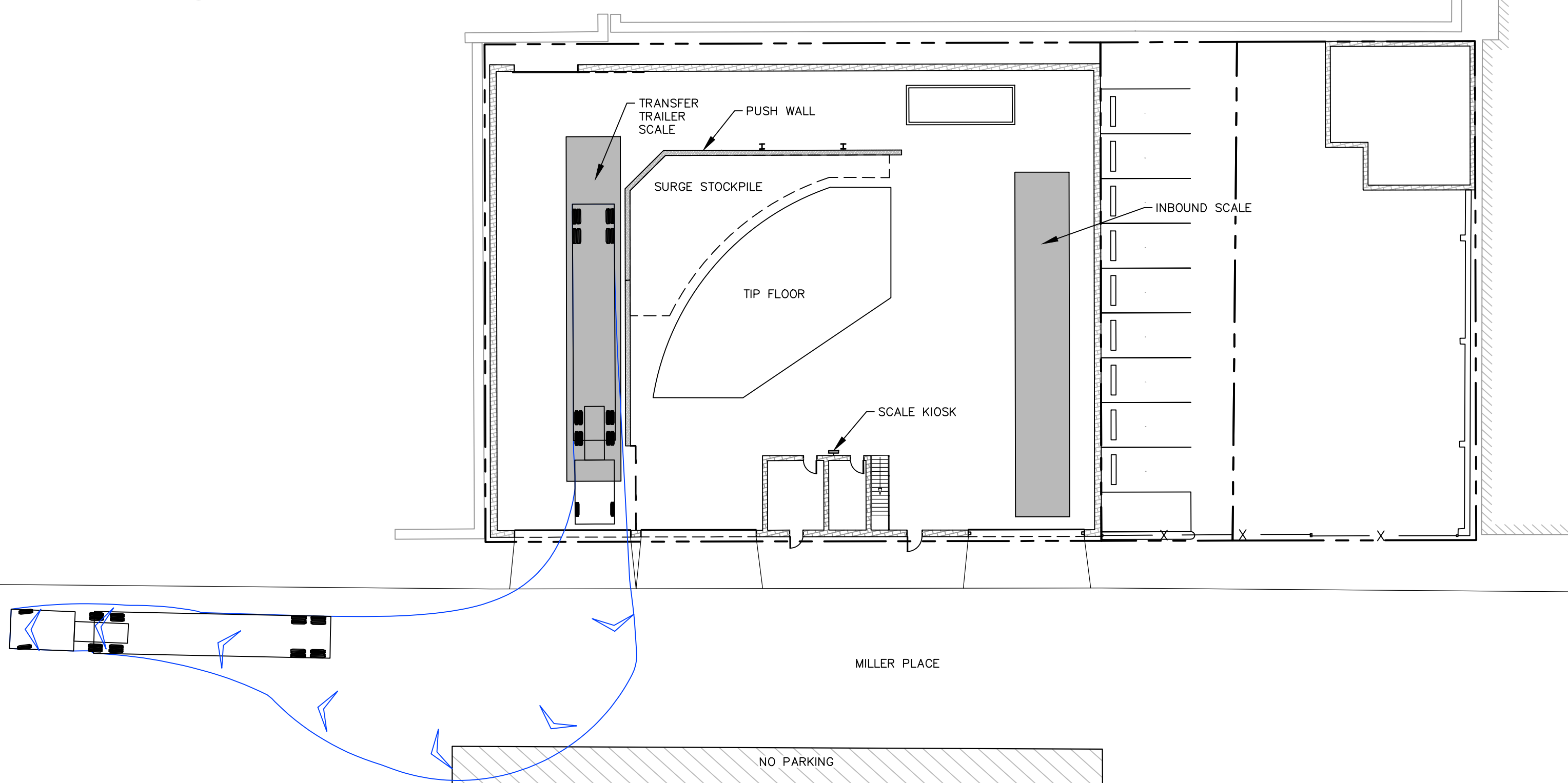
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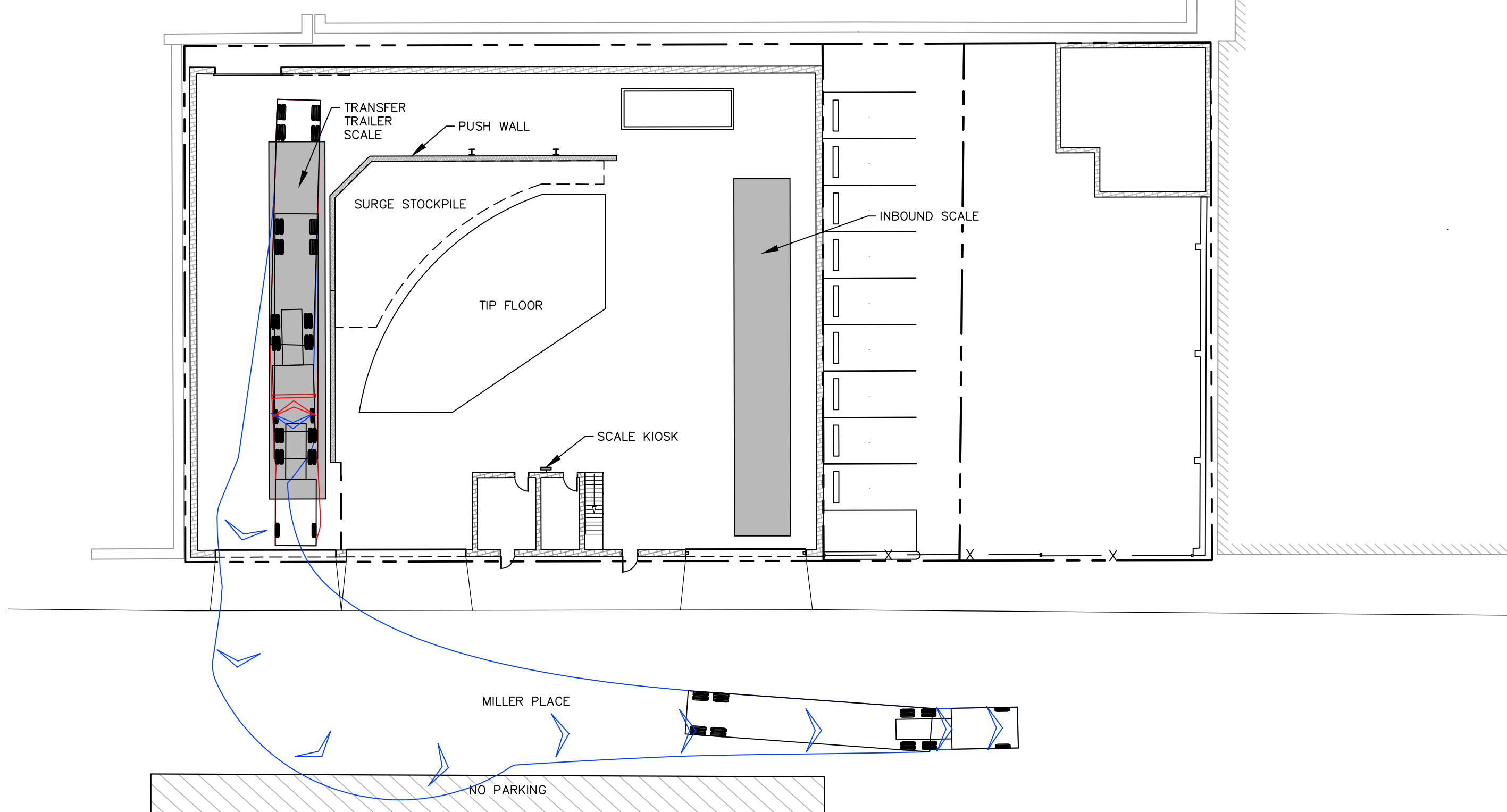
1 YARD JOCKEY WITH TRANSFER TRAILER REVERSE ENTRY - NORTH APPROACH



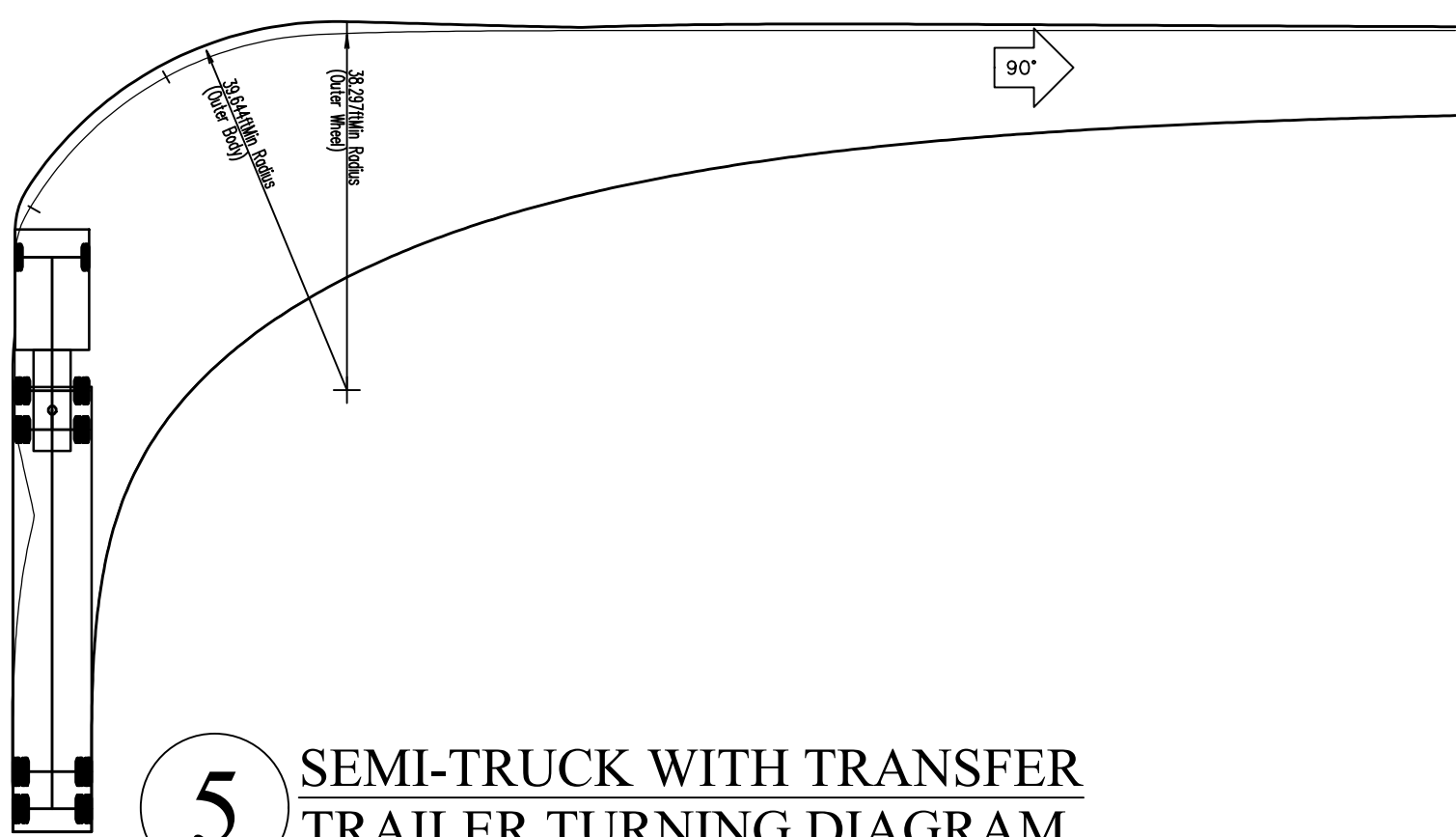
2 YARD JOCKEY WITH TRANSFER TRAILER REVERSE ENTRY - SOUTH APPROACH



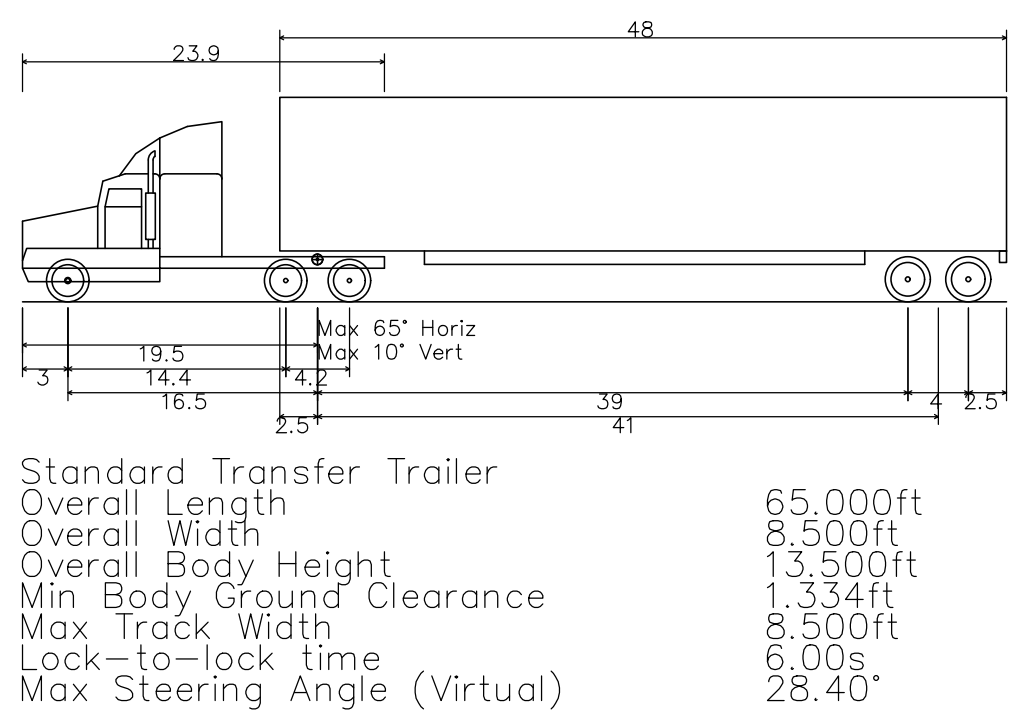
3 SEMI-TRUCK WITH TRANSFER TRAILER EXIT TO SOUTH



4 SEMI-TRUCK WITH TRANSFER TRAILER EXIT TO NORTH

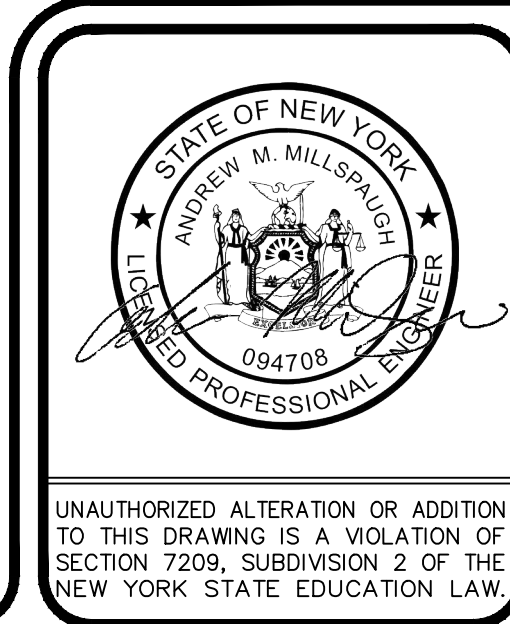


5 SEMI-TRUCK WITH TRANSFER TRAILER TURNING DIAGRAM



6 TYPICAL SEMI-TRUCK WITH TRANSFER TRAILER DETAIL

NOT FOR CONSTRUCTION



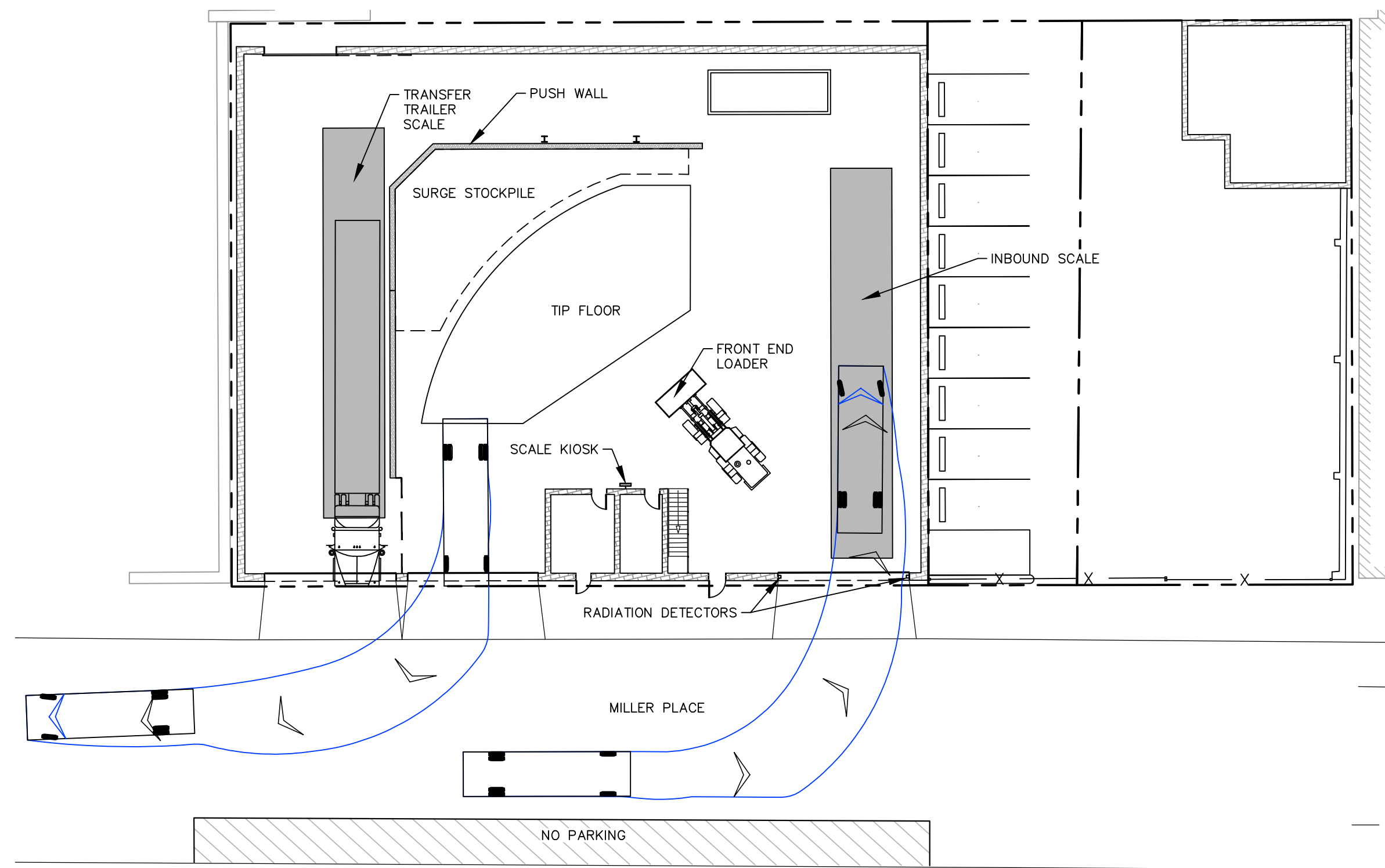
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3	07/24/26	REVISIONS PER NYSDEC COMMENTS - 05/12/26	BTC	AMM

PROJECT
PROJ. ENGR.: AMM
PROJ. NO.: 2023-67
PREPARED BY: BTC
DRAFTED BY: BTC
CHECKED BY: AMM
V-DATUM: NAVD88
H-DATUM: NAD83 / NYE
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1" = 20'

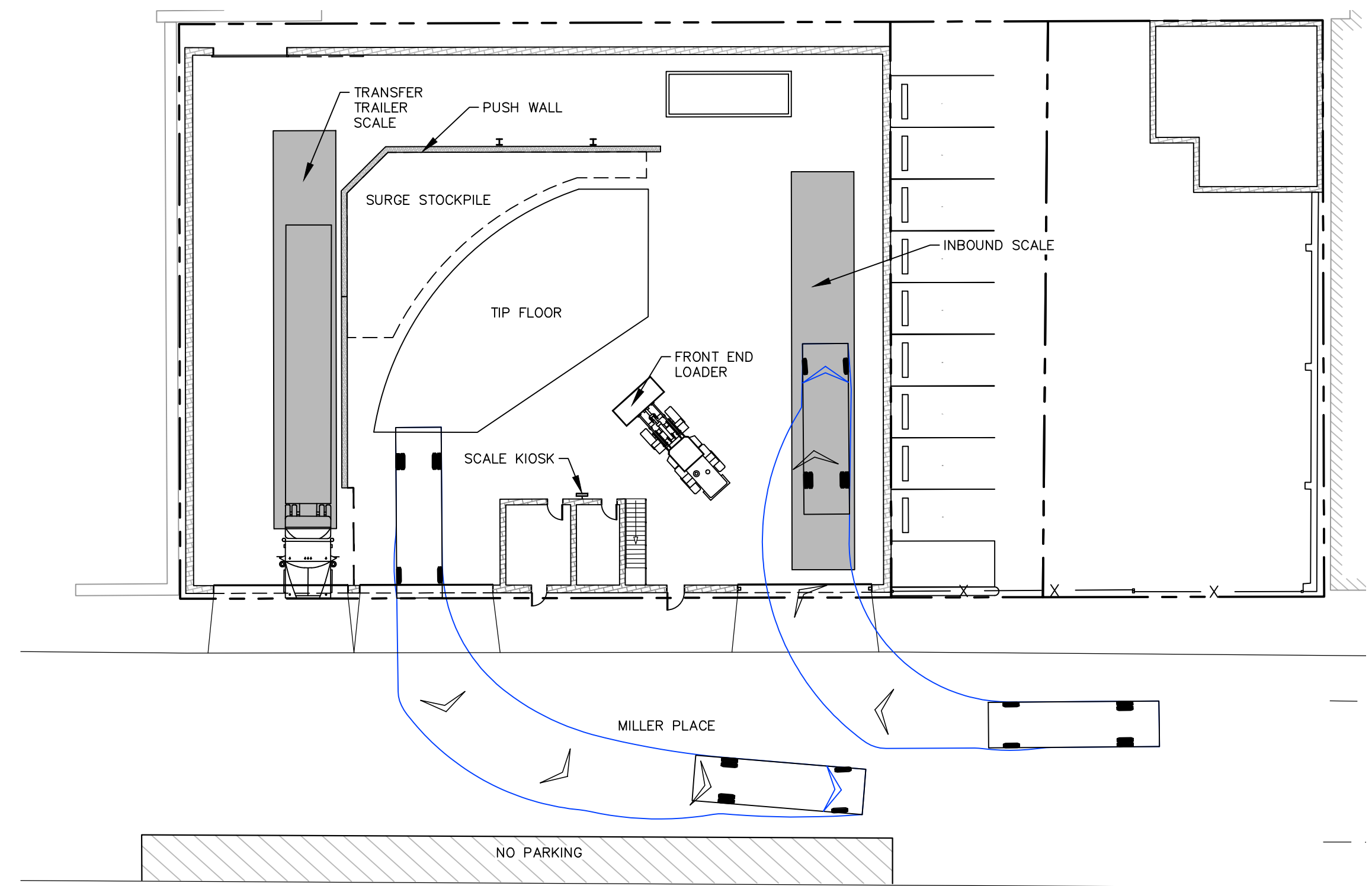
TRANSFER STATION
VEHICLE MOVEMENTS PLAN
130 MILLER PLACE, LLC
130 MILLER PLACE
CITY OF MOUNT VERNON WESTCHESTER CO., NY

STERLING
Sterling Environmental Engineering, P.C.
24 Wade Road • Latham, New York 12110

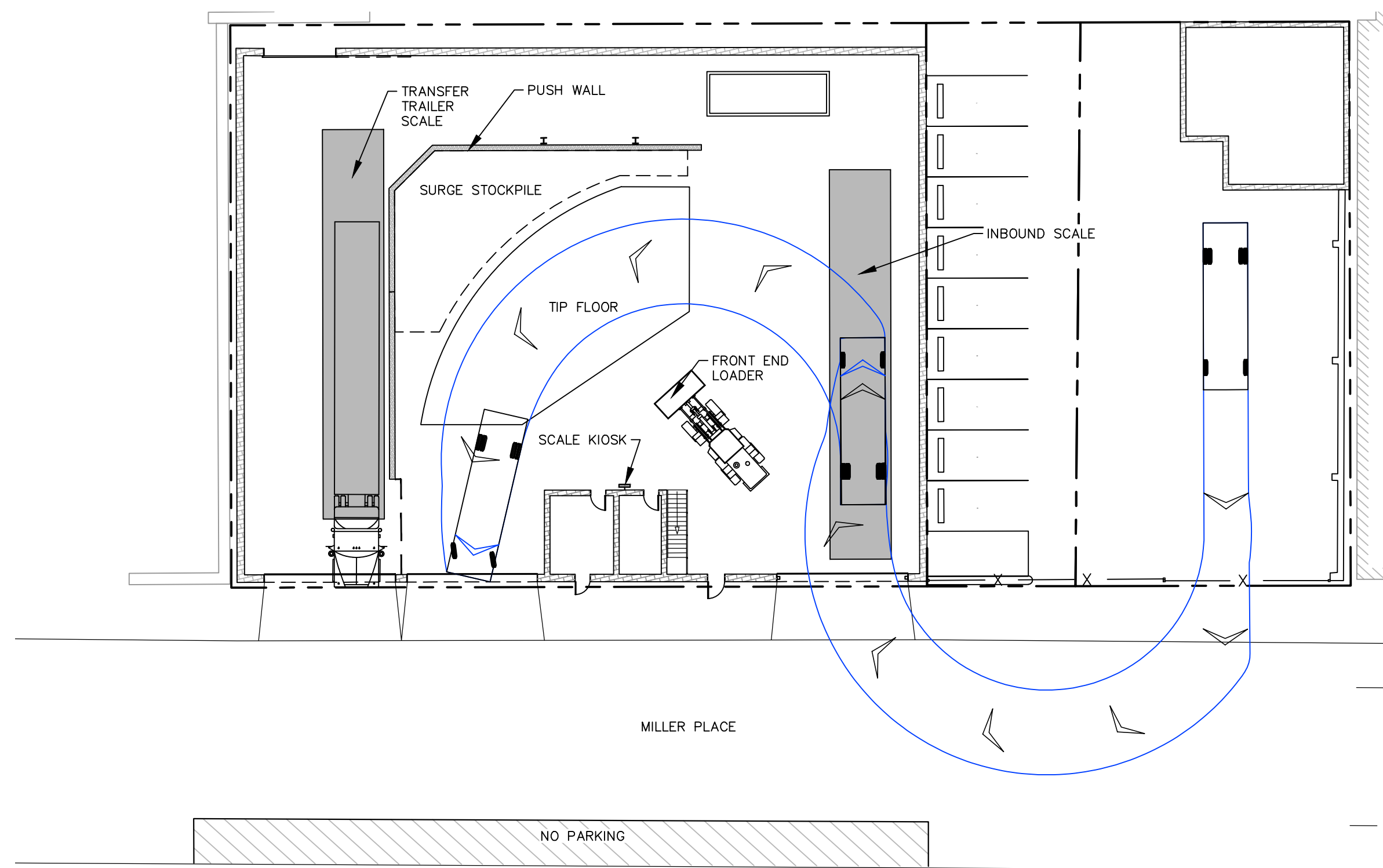
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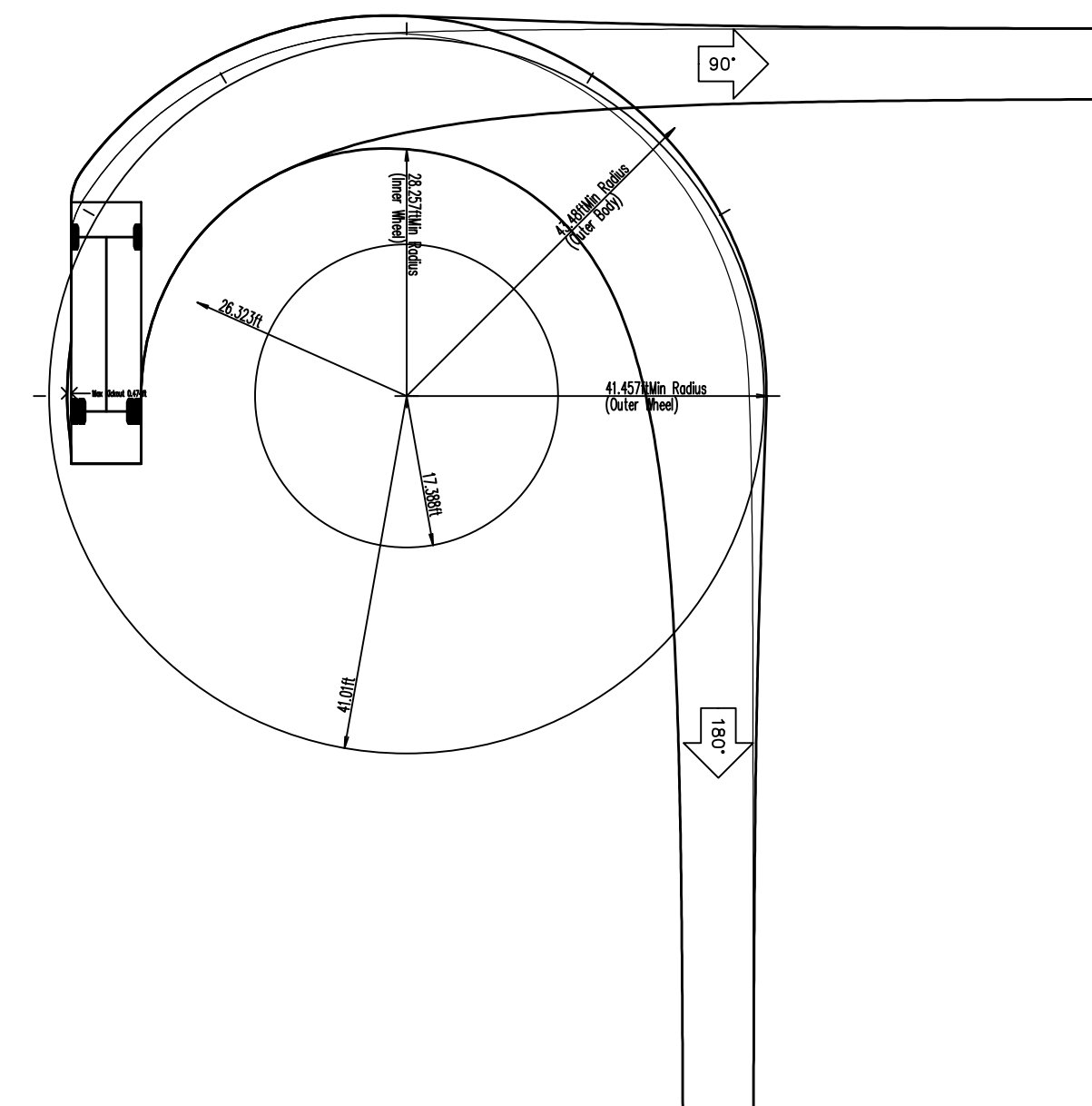
1 REFUSE TRUCK - ENTER/EXIT SOUTH



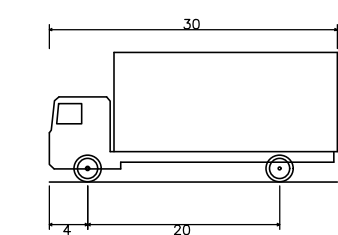
2 REFUSE TRUCK - ENTER/EXIT NORTH



3 REFUSE TRUCK - TRUCK QUEUE TO SCALE AND TIP FLOOR PATH



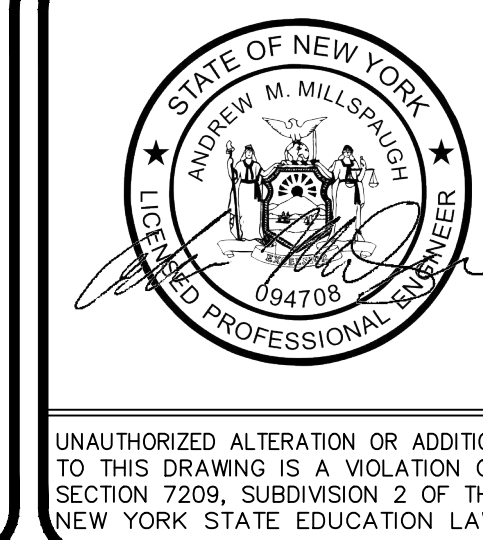
4 REFUSE TRUCK TURNING DIAGRAM



SU-30 - Single Unit Truck
 Overall Length 30.000ft
 Overall Width 8.000ft
 Overall Body Height 13.500ft
 Min. Body Ground Clearance 6.50ft
 Track Width 8.000ft
 Lock-to-lock time 8.00s
 Max Steering Angle (Virtual) 31.80°

5 REPRESENTATIVE REFUSE TRUCK DETAIL

NOT FOR CONSTRUCTION



NO.	DATE	RECORD OF WORK	DRN	APPR
1	06/19/24	REVISIONS PER DEC COMMENTS	BTC	AMM
2	10/20/25	REVISIONS PER NYSDEC COMMENTS - 06/12/25	BTC	AMM
3	07/24/26	REVISIONS PER NYSDEC COMMENTS - 05/12/26	BTC	AMM

PROJECT	
PROJ. ENGR.:	AMM
PROJ. NO.:	2023-67
DRAFTED BY:	BTC
CHECKED BY:	AMM
V-DATUM:	NAVD88
H-DATUM:	NAD83 / NYE
CONTOUR INTERVAL =	NA FEET
1" = 20'	

TRANSFER STATION
 VEHICLE MOVEMENTS PLAN
130 MILLER PLACE, LLC
 130 MILLER PLACE
 CITY OF MOUNT VERNON WESTCHESTER CO., NY

Sterling Environmental Engineering, P.C.
 24 Wade Road • Latham, New York 12110

DATE: 04/04/2024 SCALE: 1" = 20' DWG. NO.2023-67007 SHEET 5 OF 5

APPENDIX A

PROPERTY OWNER AUTHORIZATIONS

124 Miller Place, LLC
110 Edison Avenue
Mount Vernon, NY 10550
(917) 774-0450

5.20.24

Dear Sir/Madame,

Please accept this as formal approval for the parcel located at 124 Miller Place to be included in the application for solid waste transfer station located at 130 Miller Place. In the event you have any questions please do not hesitate to contact me at the above number.

Respectfully,

A handwritten signature in black ink, appearing to read 'Charles Dippolito, Jr.', written over the word 'Respectfully,'.

Charles Dippolito, Jr
President

701 South Fulton Ave, LLC

110 Edison Avenue
Mount Vernon, NY 10550
(917) 774-0450

5.20.24

Dear Sir/Madame,

Please accept this as formal approval for the two parcels located at 701 South Fulton Avenue to be included in the application for solid waste transfer station located at 130 Miller Place. In the event you have any questions please do not hesitate to contact me at the above number.

Respectfully,

A handwritten signature in black ink, appearing to read 'Charles Dippolito, Jr.', written over the word 'Respectfully'.

Charles Dippolito, Jr
President

APPENDIX B

FULL ENVIRONMENTAL ASSESSMENT FORM

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: 130 Miller Place, LLC Solid Waste Transfer Station		
Project Location (describe, and attach a general location map): 130 Miller Place, Mt Vernon, Westchester County, New York 10550		
Brief Description of Proposed Action (include purpose or need): The project will renovate and re-occupy an existing 12,600 sf warehouse building to operate a 800 ton/day Municipal Solid Waste (MSW) transfer station. The project includes 7,500 sf of off-street parking adjacent to the warehouse building and 10,000 sf of off-street parking approximately 400 feet north on Miller Place. The transfer station will operate 24 hours per day and target Institutional Waste from healthcare facilities. The transfer station will not receive Regulated Medical Waste. Waste will be municipal solid waste (MSW) that originates from healthcare institutions. All waste reception and transfer will occur indoors. The project received Site Plan approval from the City of Mount Vernon Planning Board on November 1, 2023 and received approval from the City of Mount Vernon Architectural Review Board on January 24, 2024. The property is located within the Canal Village revitalization area, which is a nominated Brownfield Opportunity Area. The project is consistent with local zoning and revitalization goals, as indicated by the City approvals.		
Name of Applicant/Sponsor: 130 Miller Place, LLC		Telephone: 914.664.4791 E-Mail: cd@approvedmedwaste.com
Address: 110 Edison Avenue		
City/PO: Mt. Vernon	State: NY	Zip Code: 10550
Project Contact (if not same as sponsor; give name and title/role): Charlie Dippolito		Telephone: 914.664.4791 E-Mail: cd@approvedmedwaste.com
Address: 110 Edison Avenue		
City/PO: Mt. Vernon	State: NY	Zip Code: 10550
Property Owner (if not same as sponsor):		Telephone: E-Mail:
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, ☐ Yes ☒ No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission ☒ Yes ☐ No	Planning Board, Site Plan Review	Approval Received November 1, 2023
c. City, Town or Village Zoning Board of Appeals ☐ Yes ☒ No		
d. Other local agencies ☒ Yes ☐ No	Architectural Review Board, Consistency Review	Approval Received January 24, 2024
e. County agencies ☐ Yes ☒ No		
f. Regional agencies ☐ Yes ☒ No		
g. State agencies ☒ Yes ☐ No	NYSDEC Part 360	Submitted April 24, 2024
h. Federal agencies ☐ Yes ☒ No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		☐ Yes ☒ No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		☐ Yes ☒ No
iii. Is the project site within a Coastal Erosion Hazard Area?		☐ Yes ☒ No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐ Yes ☒ No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☒ Yes ☐ No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☒ Yes ☐ No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☒ Yes ☐ No

If Yes, identify the plan(s):

The property is located within the Canal Village revitalization area, which is a nominated Brownfield Opportunity Area. The project is consistent with local zoning and revitalization goals, as indicated by the City approvals.

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐ Yes ☒ No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district?

☒ Yes ☐ No

I - Industry

b. Is the use permitted or allowed by a special or conditional use permit?

☒ Yes ☐ No

c. Is a zoning change requested as part of the proposed action?

☐ Yes ☒ No

If Yes,

i. What is the proposed new zoning for the site?

C.4. Existing community services.

a. In what school district is the project site located? Mount Vernon City School District

b. What police or other public protection forces serve the project site?

Mount Vernon City Police Department

c. Which fire protection and emergency medical services serve the project site?

Mount Vernon City Fire Department

d. What parks serve the project site?

None

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Commercial/Industrial.

b. a. Total acreage of the site of the proposed action? 0.7 acres

0.7 acres

b. Total acreage to be physically disturbed?

0.3 acres

c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?

0.7 acres

c. Is the proposed action an expansion of an existing project or use?

☐ Yes ☒ No

i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % Units: _____

Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision?

☐ Yes ☒ No

If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed?

☐ Yes ☐ No

iii. Number of lots proposed?

iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases?

☐ Yes ☒ No

i. If No, anticipated period of construction:

6 months

ii. If Yes:

- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year
- Generally describe connections or relationships among phases, including any contingencies where p determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐ Yes ☒ No If Yes, show numbers of units proposed.				
	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? ☒ Yes ☐ No If Yes,	
i. Total number of structures _____ 1 ii. Dimensions (in feet) of largest proposed structure: _____ 28.5 height; _____ 100 width; and _____ 126 length iii. Approximate extent of building space to be heated or cooled: _____ 12,600 square feet	

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☒ No If Yes,	
i. Purpose of the impoundment: _____ ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify: _____ iii. If other than water, identify the type of impounded/contained liquids and their source. _____ iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____	

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☐ Yes ☒ No (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) If Yes:	
i. What is the purpose of the excavation or dredging? _____ ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site? • Volume (specify tons or cubic yards): _____ • Over what duration of time? _____ iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____ _____ _____ iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No If yes, describe. _____ _____ _____ v. What is the total area to be dredged or excavated? _____ acres vi. What is the maximum area to be worked at any one time? _____ acres vii. What would be the maximum depth of excavation or dredging? _____ feet viii. Will the excavation require blasting? ☐ Yes ☐ No ix. Summarize site reclamation goals and plan: _____ _____ _____ _____	

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☒ No If Yes:	
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____ _____ _____	

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No
If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? ☐ Yes ☒ No
If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☐ No
If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☐ No
If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☒ Yes ☐ No
If Yes:

i. Total anticipated liquid waste generation per day: _____ 225 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

Sanitary wastewater from employees and leachate from transfer station tip floor. Sanitary waste is estimated at 15 gallons per employee per shift with 5 employees per shift over 3 shifts per day (15 gpd x 15 employees = 225). Leachate volume is expected to be minimal.

iii. Will the proposed action use any existing public wastewater treatment facilities? ☒ Yes ☐ No
If Yes:

- Name of wastewater treatment plant to be used: Yonkers Wastewater Treatment Plant
- Name of district: Westchester County
- Does the existing wastewater treatment plant have capacity to serve the project? ☒ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☒ No
- Is expansion of the district needed? ☐ Yes ☒ No

• Do existing sewer lines serve the project site? _____ • Will a line extension within an existing district be necessary to serve the project? _____ If Yes: • Describe extensions or capacity expansions proposed to serve this project: _____ _____	☒ Yes ☐ No ☐ Yes ☒ No
iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____ If Yes: • Applicant/sponsor for new district: _____ • Date application submitted or anticipated: _____ • What is the receiving water for the wastewater discharge? _____ v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans): _____ _____ vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____ _____	☐ Yes ☒ No
e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? _____ If Yes: i. How much impervious surface will the project create in relation to total size of project parcel? _____ Square feet or _____ acres (impervious surface) _____ Square feet or _____ acres (parcel size) ii. Describe types of new point sources. _____ _____ iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? _____ _____ • If to surface waters, identify receiving water bodies or wetlands: _____ _____ • Will stormwater runoff flow to adjacent properties? _____	☐ Yes ☒ No ☐ Yes ☐ No ☐ Yes ☐ No
iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____ f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? _____ If Yes, identify: i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) 1 Bucket loader on the tip floor. Single unit trucks delivering waste (up to 80 per day). Semi-trailers removing waste (up to 25 per day). ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) none _____ iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) none _____	☐ Yes ☐ No ☒ Yes ☐ No
g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? _____ If Yes: i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) _____ ii. In addition to emissions as calculated in the application, the project will generate: • _____ Tons/year (short tons) of Carbon Dioxide (CO₂) • _____ Tons/year (short tons) of Nitrous Oxide (N₂O) • _____ Tons/year (short tons) of Perfluorocarbons (PFCs) • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆) • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs) • _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)	☐ Yes ☒ No ☐ Yes ☐ No

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐ Yes ☒ No If Yes: i. Estimate methane generation in tons/year (metric): _____ ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____			
i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐ Yes ☒ No If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____			
j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐ Yes ☒ No If Yes: i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐ Weekend ☐ Randomly between hours of _____ to _____. ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____ iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____ iv. Does the proposed action include any shared use parking? ☐ Yes ☐ No v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____ vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐ Yes ☐ No vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐ Yes ☐ No viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐ Yes ☐ No			
k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐ Yes ☒ No If Yes: i. Estimate annual electricity demand during operation of the proposed action: _____ ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____ iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐ Yes ☐ No			
l. Hours of operation. Answer all items which apply. <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> i. During Construction: • Monday - Friday: _____ 6 AM to 6 PM • Saturday: _____ 6 AM to 6 PM • Sunday: _____ None • Holidays: _____ None </td> <td style="width: 50%; vertical-align: top;"> ii. During Operations: • Monday - Friday: _____ 24 hours per day • Saturday: _____ 24 hours per day • Sunday: _____ 24 hours per day • Holidays: _____ 24 hours per day </td> </tr> </table>		i. During Construction: • Monday - Friday: _____ 6 AM to 6 PM • Saturday: _____ 6 AM to 6 PM • Sunday: _____ None • Holidays: _____ None	ii. During Operations: • Monday - Friday: _____ 24 hours per day • Saturday: _____ 24 hours per day • Sunday: _____ 24 hours per day • Holidays: _____ 24 hours per day
i. During Construction: • Monday - Friday: _____ 6 AM to 6 PM • Saturday: _____ 6 AM to 6 PM • Sunday: _____ None • Holidays: _____ None	ii. During Operations: • Monday - Friday: _____ 24 hours per day • Saturday: _____ 24 hours per day • Sunday: _____ 24 hours per day • Holidays: _____ 24 hours per day		

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☒ No If yes: i. Provide details including sources, time of day and duration: _____	
ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☐ No Describe: _____ _____	
n. Will the proposed action have outdoor lighting? ☒ Yes ☐ No If yes: i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: 12 wall-mounted and down-cast lights on the transfer station building. 2 globe luminaire light posts in the parking area. Nearest occupied structures are approximately 90 feet across Miller Place. Lighting has been approved by the City Planning Board.	
ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☒ No Describe: _____ _____	
o. Does the proposed action have the potential to produce odors for more than one hour per day? ☒ Yes ☐ No If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____ Possible sources include received waste. Waste will be transferred promptly and entirely indoors to minimize potential for fugitive odors. Nearest occupied structures are approximately 90 feet across Miller Place.	
p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☒ No If Yes: i. Product(s) to be stored _____ ii. Volume(s) _____ per unit time _____ (e.g., month, year) iii. Generally, describe the proposed storage facilities: _____ _____	
q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☒ No If Yes: i. Describe proposed treatment(s): _____ _____ _____	
ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No	
r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☒ Yes ☐ No If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction: _____ de minimis tons per _____ 6 months (unit of time) • Operation : _____ 800 tons per _____ day (unit of time) ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: • Construction: <u>separate waste receptacles will be maintained to recover recyclable materials during construction.</u> _____ • Operation: <u>A Waste Control Plan will be in place for the facility as required by Part 360.</u> _____ iii. Proposed disposal methods/facilities for solid waste generated on-site: • Construction: <u>Waste will be delivered to an authorized transfer station or recycling facility.</u> _____ • Operation: <u>Waste will be transferred to authorized disposal facilities in New York, Connecticut, and/or Pennsylvania.</u> _____	

s. Does the proposed action include construction or modification of a solid waste management facility? ☒ Yes ☐ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): Transfer Station for Institutional Waste.

ii. Anticipated rate of disposal/processing:

- 24,000 Tons/month, if transfer or other non-combustion/thermal treatment, or 800 tons per day
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☒ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☒ Urban ☒ Industrial ☐ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

The area is an urban city environment within the Industry zoning district.

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.7	0.7	0
• Forested	0	0	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	0	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? <i>i. If Yes: explain:</i> _____	☐ Yes ☒ No
d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? If Yes, <i>i. Identify Facilities:</i> _____ _____	☐ Yes ☒ No
e. Does the project site contain an existing dam? If Yes: <i>i. Dimensions of the dam and impoundment:</i> • Dam height: _____ feet • Dam length: _____ feet • Surface area: _____ acres • Volume impounded: _____ gallons OR acre-feet <i>ii. Dam's existing hazard classification:</i> _____ <i>iii. Provide date and summarize results of last inspection:</i> _____ _____	☐ Yes ☒ No
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? If Yes: <i>i. Has the facility been formally closed?</i> • If yes, cite sources/documentation: _____ <i>ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:</i> _____ _____ <i>iii. Describe any development constraints due to the prior solid waste activities:</i> _____ _____	☐ Yes ☒ No ☐ Yes ☐ No
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? If Yes: <i>i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:</i> _____ _____	☐ Yes ☒ No
h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? If Yes: <i>i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:</i> ☐ Yes – Spills Incidents database ☐ Yes – Environmental Site Remediation database ☐ Neither database Provide DEC ID number(s): _____ Provide DEC ID number(s): _____ <i>ii. If site has been subject of RCRA corrective activities, describe control measures:</i> _____ _____	☐ Yes ☒ No ☐ Yes ☐ No
<i>iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?</i> If yes, provide DEC ID number(s): V00565, V00110, V00158, 360036, 360052, 360165 <i>iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):</i>	☒ Yes ☐ No

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☒ No	
• If yes, DEC site ID number: _____ • Describe the type of institutional control (e.g., deed restriction or easement): _____ • Describe any use limitations: _____ • Describe any engineering controls: _____ • Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No • Explain: _____	
E.2. Natural Resources On or Near Project Site	
a. What is the average depth to bedrock on the project site?	_____ >6.5 feet
b. Are there bedrock outcroppings on the project site? ☐ Yes ☒ No	
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %	
c. Predominant soil type(s) present on project site:	Urban Land 100 %
	_____ %
	_____ %
d. What is the average depth to the water table on the project site? Average:	_____ >6.5 feet
e. Drainage status of project site soils:	Urban land is not classified by NRCS for drainage.
☐ Well Drained: _____ % of site	
☐ Moderately Well Drained: _____ % of site	
☐ Poorly Drained _____ % of site	
f. Approximate proportion of proposed action site with slopes:	☒ 0-10%: 100 % of site ☐ 10-15%: _____ % of site ☐ 15% or greater: _____ % of site
g. Are there any unique geologic features on the project site? ☐ Yes ☒ No	
If Yes, describe: _____	
h. Surface water features.	
i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☒ No	
ii. Do any wetlands or other waterbodies adjoin the project site? ☐ Yes ☒ No	
If Yes to either i or ii, continue. If No, skip to E.2.i.	
iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☐ Yes ☒ No	
iv. For each identified regulated wetland and waterbody on the project site, provide the following information:	
• Streams: Name _____	Classification _____
• Lakes or Ponds: Name _____	Classification _____
• Wetlands: Name _____	Approximate Size _____
• Wetland No. (if regulated by DEC) _____	
v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☒ No	
If yes, name of impaired water body/bodies and basis for listing as impaired: _____	
i. Is the project site in a designated Floodway? ☐ Yes ☒ No	
j. Is the project site in the 100-year Floodplain? ☐ Yes ☒ No	
k. Is the project site in the 500-year Floodplain? ☐ Yes ☒ No	
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☒ No	
If Yes:	
i. Name of aquifer: _____	

m. Identify the predominant wildlife species that occupy or use the project site: _____ None _____ _____	
n. Does the project site contain a designated significant natural community? ☐ Yes ☒ No If Yes: i. Describe the habitat/community (composition, function, and basis for designation): _____ _____ ii. Source(s) of description or evaluation: _____ iii. Extent of community/habitat: • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☒ No If Yes: i. Species and listing (endangered or threatened): _____ _____ _____	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☒ No If Yes: i. Species and listing: _____ _____	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☒ No If yes, give a brief description of how the proposed action may affect that use: _____ _____	
E.3. Designated Public Resources On or Near Project Site	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☒ No If Yes, provide county plus district name/number: _____	
b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☒ No i. If Yes: acreage(s) on project site? _____ ii. Source(s) of soil rating(s): _____	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☒ No If Yes: i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____ _____	
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☒ No If Yes: i. CEA name: _____ ii. Basis for designation: _____ iii. Designating agency and date: _____	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☒ No	
If Yes: i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District ii. Name: _____ iii. Brief description of attributes on which listing is based: _____	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☒ Yes ☐ No	
g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☒ No	
If Yes: i. Describe possible resource(s): _____ ii. Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☒ No	
If Yes: i. Identify resource: _____ ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____ iii. Distance between project and resource: _____ miles.	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☒ No	
If Yes: i. Identify the name of the river and its designation: _____ ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No	

F. Additional Information

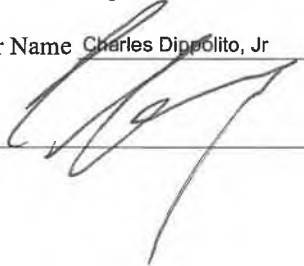
Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

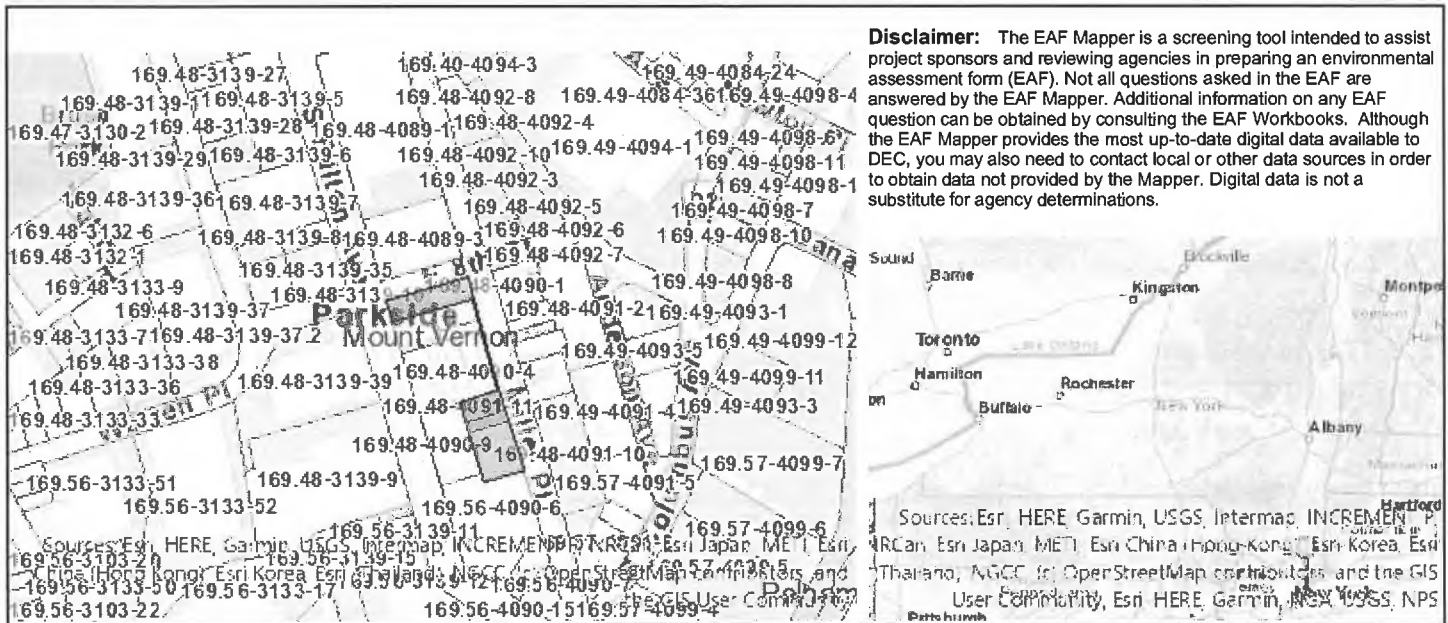
I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Charles Dippolito, Jr Date 08/21/2024

Signature  Title President

EAF Mapper Summary Report

Tuesday, June 18, 2024 12:17 PM



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	V00565, V00110, V00158, 360036, 360052, 360165
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	No
E.2.h.iii [Surface Water Features]	No
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No

E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

APPENDIX C

OPRHP NO EFFECT LETTER



**New York State
Parks, Recreation and
Historic Preservation**

KATHY HOCHUL
Governor

RANDY SIMONS
Commissioner Pro Tempore

April 02, 2024

Andrew Millspaugh
Vice President
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, NY 12110

Re: DEC
130 Miller Place, LLC Solid Waste Management Facility MSW Transfer Station
130 Miller Pl, Mt Vernon, NY 10550
24PR02750

Dear Andrew Millspaugh:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project.

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above. If you have any questions, please contact Anthony Opalka at the following email address:

Anthony.Opalka@parks.ny.gov

Sincerely,

R. Daniel Mackay

Deputy Commissioner for Historic Preservation
Division for Historic Preservation

APPENDIX D

PERMITTED DISPOSAL FACILITIES

**PERMITTED DISPOSAL FACILITIES
130 MILLER PLACE, LLC
MOUNT VERNON, NEW YORK**

Facility	Address	State	Distance from Facility	Receiving Hours
Reworld Hempstead	600 Mechants Concourse Westbury, NY 11590	NY	25 Miles	5 AM – 1 PM MSa
Reworld Essex	183 Raymond Blvd Newark, NJ 07195	NJ	27 Miles	24 Hours
Wheelabrator Westchester	1 Charles Pt Peekskill, NY 10566	NY	33 Miles	4 AM – 6 PM MF 4 AM – 12 PM S
Reworld Babylon	125 Gleam St West Babylon, NY 11704	NY	37.5 Miles	6 AM – 3 PM MF 7 AM – 12 PM Sa
WIN Waste Innovations	6 Howard Ave Bridgeport, CT 06605	CT	41 Miles	24 Hours
Covanta Union, Inc.	1499 US-1 Rahway, NJ 07065	NJ	42 Miles	3 AM – 5 PM MF 4 AM – 12 PM S
Reworld Huntington	99 Town Line Rd East Northport, NY 11731	NY	49 Miles	8 AM – 3 PM
Reworld MacArthur	4001 Veterans Memorial Hwy Ronkonkoma, NY 11779	NY	50 Miles	6 AM – 4 PM MF
Pioneer Crossing Landfill	727 Redlane Rd Birdsboro, PA 19508	PA	140 Miles	5 AM – 4 PM MF 5 AM – 12 PM S
Seneca Landfill	1786 Salcman Rd Waterloo, NY 13165	NY	279 Miles	6 AM – 2 PM MF 6 AM – 10 AM Sa

APPENDIX E

HEALTHCARE INSTITUTION SERVICE LETTERS



To: Whom It May Concern

From: Robert Michael, Director of Facilities Services

Date: May 20, 2024

Re: 24-Hour Services at Approved Storage and Waste Hauling, Inc.

Kendal on the Hudson at 1010 Kendal Way, Sleepy Hollow, NY 10591 has been working with Approved Storage and Waste Hauling, Inc for more than 4+ Years. Their service has been nothing short of spectacular and we continue to push for the most efficient service we can receive. To continue the stellar service from Approved Storage and Waste Hauling, Inc our facility at Kendal on the Hudson requires 24-hour service. When Approved Storage and Waste Hauling, Inc is given a 24-hour operational status at their transfer station facility, it will better suit our needs here at Kendal on the Hudson.



**MidHudson
Regional Hospital**

Westchester Medical Center Health Network

To Whom it May Concern,

Approved Storage & Waste Hauling, Inc is our contracted Solid Waste hauler. Garbage pick ups must be performed between 6:00 PM and 5:00 AM so as not cause interruptions with other vendors who cannot perform their contracted services at night.

A handwritten signature in black ink, appearing to read "B. Scott", written over a faint circular stamp.

Brendan Scott

Regional Director of Operations

Westchester Health Network

To Whom it May Concern,

Due to limited loading dock space at our facilities. Compactor and open tops must be picked up between 6:00 PM and 5:00 AM. This mitigates congestion at our campuses.

Respectfully,

Eric Peacock

To Whom it May Concern,

Due to limited loading dock space at our facilities. Compactor and open tops must be picked up between 6:00 PM and 5:00 AM. This mitigates congestion at our campuses.

Respectfully,



Richard Sepulveda

Environmental Services

Site Director

Montefiore

111 East 210 Street

New York, NY 10467

Phone: 718-920-4757

Fax: 718-405-6776

Cell: 646-951-1619

Rsepulveda@montefiore.org

16 Guion Place

New Rochelle, NY 10801

P: 914-365-3800

F: 914-365-5235

Montefiore | New Rochelle

Environmental Services Department

To Whom it May Concern,

Due to limited loading dock space at our facilities. Compactor and open tops must be picked up between 6:00 PM and 5:00 AM. This mitigates congestion at our campuses.

Respectfully,



Richard Sepulveda

Environmental Services

Site Director

Montefiore

111 East 210 Street

New York, NY 10467

Phone: 718-920-4757

Fax: 718-405-6776

Cell: 646-951-1619

Rsepulve@montefiore.org

101 Glover Johnson
New Rochelle, NY
914-365-3900



To Whom it May Concern,

Due to the sporadic nature of construction projects and access to our loading docks, coupled with the fact that we are a 24 hour acute system our refuse hauler needs to be able to respond to service calls 24 hours a day. This mitigates the potential of overflowing compactors and open tops at our campuses.

Respectfully,

A handwritten signature in black ink, appearing to read "B. Scott", written over the word "Respectfully,".

Brendan Scott

Regional Director of Operations

Westchester Health Network

APPENDIX F

RADIATION DETECTION MANUFACTURER LITERATURE

Model 375P-1000

Outdoor Monitoring System



Ludlum Measurements, Inc.

Features

- Affordable Digital Controller
- Weatherproof Encased-Shielded Plastic Scintillator Detectors
- User-Adjustable Alarms
- Networkable, Requires Ethernet or Webpage Option
- 24-Hour Battery Backup
- Configurable System with Numerous Options to Customize for Locations



Introduction

The Model 375P-1000 is a Digital Model 375 Controller coupled to two lead-shielded 7866 cm³ (480 in³) plastic scintillator detectors. The detectors are encased in weathertight enclosures suitable for the outdoor environment, while the 375 Controller is normally mounted to a wall indoors near an operator. This cost-effective solution offers a simple system that is easy to operate and maintain.

The controller supplies local alarms but may also connect to external alarms or be put onto an Ethernet network if desired. It additionally has a 24-hour battery backup to keep the system operational in the event power is lost.

Vehicle Radiation Monitor: The Model 357P-1000V (Part Number: 48-3782) is also available. This system includes vehicle presence sensors that prevent the unit from alarming unless a vehicle is being surveyed and the alarm threshold has been exceeded.

Specifications

Part Number: 48-3470

SYSTEM INCLUDES

- 1 ea. Model 375P electronics
- 2 ea. 7866 cm³ (480 in³) plastic scintillation detectors with 0.33 cm (0.13 in.) lead shielding in weather-tight housings

TYPICAL SENSITIVITY (¹³⁷Cs): 400 cps per μ R/hr per detector

DISPLAY: 4-digit LED display with 2 cm (0.8 in.) digits

STATUS: (green light) instrument functioning properly

SIGMA ALARM: indicated by red ALARM light and audible tone (can be set at any point from 0.0 to 999 Sigma)

SUM ALARM: indicated by red ALARM light and audible tone can be set at any point from 0.0 to 9999 kcps)

Note: audible alarm annunciators can be configured as a single beep if desired

DET FAIL: red light & audible tone greater than 68 dB at 61 cm (24 in.) indicates no counts from detector or instrument failure

LOW BAT: (yellow) indicates less than 2 hours of battery power remaining

OVERRANGE: ("OL") indicates radiation field being measured exceeds counting range of instrument

RELAY OUTPUT: mains (120 or 240 Vac) output on alarm

DATA OUTPUT: 9-pin connector providing RS-232 output, signal ground connection, FAIL and ALARM signals (current sink), and direct connection to battery and ground

CALIBRATION CONTROLS: accessible from front of instrument (protective cover provided)

POWER: 95 to 135 Vac (178 to 240 Vac available), 50 to 60 Hz, 6-volt sealed lead-acid rechargeable battery (built-in)

BATTERY LIFE: typically 24 hours in non-alarm condition; 12 hours in alarm condition

BATTERY CHARGER: battery is continuously trickle-charged when instrument is connected to line power and turned on

CONSTRUCTION (ELECTRONICS): aluminum housing with ivory powder coat

ENVIRONMENTAL RATING: Detectors: IP66; Electronics: IP51 (IP66 with Model 375P environmental enclosure)

TEMPERATURE RANGE: -15 to 50 °C (5 to 122 °F)

SIZE: electronics: 26.2 x 24.6 x 8.4 cm (10.3 x 9.7 x 3.3 in.) (H x W x D)

detectors (ea.): 20.3 cm x 183 cm (8 x 72 in.) (Dia x L)

WEIGHT: electronics: 4.2 kg (9.3 lb); detectors (ea.) 29.5 kg (65 lb)



Options

Various options are available for Model 375-Series systems, including enclosures, remote displays, alarm annunciators, signal output, and networking options. Visit our website to view the current list of available options.

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556

Web: <http://www.ludlums.com> **Tel:** 800-622-0828 / 325-235-5494 / **Fax:** 325-235-4672 / **Email:** sales@ludlums.com

Note: specifications subject to change without notification. We are not responsible for errors or omissions.

May 2024

APPENDIX G

TRUCK SCALE MANUFACTURER LITERATURE



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Vehicle/Axle-Load Weighing/Livestock Scale, Load Cell
Electronic
Model: PLT-2600XLT-XXX, PLT-2610XLT-XXX
 $n_{\max}$: 10 000
 $e_{\min}$: 10 lb
Capacity: 50 000 lb to 270 000 lb
Platform: (see below)
CLC: 25 000 lb to 100 000 lb
Accuracy Class: III L

Submitted By:

Fairbanks Scales
2176 Portland Street, Suite 1
St. Johnsbury, VT 05819
Tel: 802-473-5215
Fax: 802-473-5213
Contact: Keith P. Charron
Email: kcharron@fairbanks.com
Web site: www.fairbanks.com

Standard Features and Options**Platform:**

- Platform Widths to 14 feet
- Maximum Lengths of Span: 36 feet
- Minimum Length of Span: 10 feet
- Platform Material: Steel or Concrete
- The length of the scale platform is unrestricted provided that $v_{\min} \leq d/\sqrt{N}$ (where N is the number of load cells in the scale)
- $e_{\min} = 10$ lb or 20 lb depending on load cell used (see load cell parameters, page 2)

Optional Livestock or Combination Vehicle/Livestock Scale:

- $e_{\min}$: 10 lb
- Minimum Number of Sections: 3
- Minimum Net Load: 5 000 lb (500d)

Options:

- Dump Through Deck
- Platform Dump

Model PLT-2600XLT-XXX	Concrete Deck	Pit Type
Model PLT-2610XLT-XXX	Steel Deck	Pit Type

Installations must satisfy the relationships of $v_{\min} \leq d/\sqrt{N}$, (d =the division size and N =number of load cells) and nominal capacity $\leq CLC \times (N-0.5)$ where N is the number of sections in the scale.

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Hal Prince
Chairman, NCWM, Inc.

Craig VanBuren
Chair, NTEP Committee
Issued: September 9, 2020

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) does not approve, recommend or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.



Fairbanks Scales

Weighing/Load Receiving Element / PLT-2600XLT-XXX, PLT-2610XLT-XXX

Application: For use in general purpose weighing of vehicles, axle-load weighing for recording of axle weights and the calculation of the gross weight when used with a certified and compatible indicating element. Scales of more than two sections may be used to weigh livestock with 10 lb divisions, where the minimum net load is at least 500d.

Load Cell and Device Parameters: $e_{\min} = 20$ lb when using Fairbanks Scales Model LCF-HR4020-2 rocker column (NTEP Certificate of Conformance Number 97-078) or Fairbanks Scales Model LCF-R4010-2 double ended shear beam (Certificate of Conformance Number 89-151) or a metrologically equivalent load cell that is mounted in the same manner and has a current NTEP Certificate of Conformance.

$e_{\min} = 10$ lb when using Fairbanks Scales Model LCF-HR4020-2A load cells (NTEP Certificate of Conformance Number 97-078) or a metrologically equivalent load cell that is mounted in the same manner and has a current NTEP Certificate of Conformance.

Identification: The identification badge is located on the side of the weighing element near the center manhole.

Sealing: A standard load cell junction box is located near the center of the scale on the carrier beam. A wire security seal can be threaded through holes in the cover screws and a hole in the cover flange. There are additional junction boxes, called smart boxes, located between each pair of load cells. A wire security seal can be threaded through holes in each cover and holes in the base flange. Additional parameters and adjustments can be sealed in the indicating element.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 94-101A4 and is issued to include axle-load weighing as an option for this device. The Certificate is issued without further testing. Previous test conditions are listed below for reference.

Certificate of Conformance Number 94-101A4: This Certificate supersedes Certificate of Conformance Number 94-101A3 and issued to include optional dump deck and dump through options to the certificate and recognize the change of model designation in the PLT 26xx series from HVX to XLT. Some device parameters have also been updated using NCWM Publication 14 criteria based upon similarity to the Fairbanks Scales models 4200VSX and 4210VSX vehicle scales and associated test conditions stated on NTEP Certificate of Conformance 06-112A5. The PLT series scales are a pit type design and the 4200VSX and 4210VSX series scales are a pitless design.

A model PLT-2610XL-2KO weighing element 100 000 x 20 lb 60 ft x 10 ft, 4 section scale steel deck was submitted utilizing a Fairbanks model IND-R2500-F2 indicating element (Certificate of Conformance Number 95-044A5). The weighing element had a CLC of 60 000 lb and utilized eight (8) Fairbanks model LFC-HR4020-X 60K load cells (Certificate of Conformance Number 97-078A4). The scale was tested using 56 000 lb of certified test weights. Shift tests and increasing /decreasing tests were conducted along with strain load test on both ends of the platform up to 95 680 lb. The weighing element utilizes a hydraulic lifting mechanism which lifts the entire deck, the deck was lifted, and the device retested using 56 000 lb of certified test weights. After the scale was used for over 40 days, with the minimum use criteria required by NTEP being met, the device was retested for permanence requirements. Previous test conditions are listed below for reference.

Certificate of Conformance Number 94-101A3: This Certificate supersedes Certificate of Conformance Number 94-101A2 and is issued to include livestock weighing as an option for this device. The Certificate is issued without further testing.

Certificate of Conformance Number 94-101A2: This Certificate supersedes Certificate of Conformance Number 94-101A1 and is issued to increase the CLC to 70 000 lb and include the Fairbanks Model LCF-HR4020-2 rocker column load cell that was omitted in the previous evaluation. A Fairbanks Model PLT-2600-5N2 weighing/load receiving element (200 000 lb x 20 lb, 80' x 12', 70 000 lb CLC, 5 section) was submitted for evaluation using Fairbanks Model LCF-HR4020-2 rocker column load cells (Certificate of Conformance Number 97-078). The scale was interfaced with a Fairbanks indicator Model IND-R2500-1 (Certificate of Conformance Number 95-044A1). Increasing/ decreasing load, shift, and mid-span tests were conducted to capacity with 64 000 lb of known test standards. Strain load tests were conducted using 64 000 lb of known test weights to a maximum load of 161 140 lb. These tests were repeated using 40 000 lb of known test weights after the scale was used for approximately 30 days, with the minimum use criteria required by NTEP being met. Strain load tests were again conducted to a maximum load of 141 000 lb. The emphasis of the evaluation was on the marking and performance of the weighing/load receiving element.



Fairbanks Scales

Weighing/Load Receiving Element / PLT-2600XLT-XXX, PLT-2610XLT-XXX

Certificate of Conformance Number 94-101A1: This Certificate superseded Certificate of Conformance Number 94-101 and was issued to add additional platform sizes and to correct an error in platform sizes. A Fairbanks Model PLT-2600-402 weighing/load receiving element (60 000 lb x 20 lb, 20' x 10', 60 000 lb CLC, 2 section) was submitted for evaluation using Fairbanks Model LCF-HR4020-2 rocker column load cells (Certificate of Conformance Number 97-078). The scale was interfaced with a Fairbanks indicator Model IND-R2500 (Certificate of Conformance Number 95-044A1). Increasing/decreasing load, shift, and mid-span tests were conducted to capacity with 60 000 lb of known test standards. The emphasis of the evaluation was on the marking and performance of the weighing/load receiving element.

Certificate of Conformance Number 94-101: A Fairbanks Scales Model PLT-2600-3M2 weighing/load receiving element (175 000 lb x 20 lb, 70' x 12', 50 000 lb CLC, 4 section) was submitted for evaluation using Fairbanks Model 91088 double ended shear beam (Certificate of Conformance Number 89-151A1). The data collected from the test was also evaluated as a 100 000 lb x 10 lb scale to recognize the e_{min} of 10 lb. A Fairbanks Scales Model 9200 indicating element was interfaced with the weighing element for the purpose of this evaluation. The scale was tested initially using 50 000 lb of known test weights to perform increasing/decreasing load, shift, and mid-span tests. Strain load tests were conducted using 50 000 lb of known test weights to a maximum load of 181 928 lb. The scale was used for approximately 40 days, with the minimum use criteria required by NTEP being met, then tested again. The increasing/decreasing load, shift, and mid-span tests were repeated using 50 000 lb of known test weights. Strain load tests were again conducted to a maximum load of 187 560 lb.

Evaluated By: B. Badenhop (OH) 94-101; R. Suiter (NE) and L. Wurdeman (NE) 94-101A1; L. Turberville (AL) 94-101A2; E. A. Payne, Jr. (MD) 94-101A4; M. Manheim (NCWM) 94-101A5

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2011 Edition. *NCWM Publication 14: Measuring Devices*, 2011 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: R. Suiter (NIST) 94-101A1; G. Newrock (NIST), R. Suiter (NIST) 94-101A2; S. Patoray (NCWM) 94-101A3; J. Truex (NCWM) 94-101A4; D. Flocken (NCWM) 94-101A5

Examples of Device:



Platform Dump Option



Dump Through Option

FAIRBANKS[®]

S C A L E S



TUNDRA XL & XLT SERIES

PIT-TYPE TRUCK SCALES

Ideal for highway vehicle and extreme volume weighing applications.

ULTIMATE LOAD CELLS

The Tundra's 66,000 lb. capacity rocker column load cells prevent weighing errors caused by off-center loading and eliminate the need for grout pockets. These cells also boast glass-to-metal connection points for a true hermetic seal, armored stainless steel cabling and corrosion resistant electrochemical polishing.



**25 YEAR
LOAD CELL
WARRANTY***

STRENGTH FROM WITHIN

The Tundra utilizes Fairbanks' time-proven, dual main girder design; the industry standard for strength and durability for more than 100 years.



SCALE PIT ACCESS

The Tundra understructure has ample clearance to allow for routine servicing of the scale's electronics and bumper checking system.



ENCAPSULATED ELECTRONICS

Fairbanks is the only scale manufacturer to encapsulate its electronic circuit boards with acrylic epoxy for added protection against moisture intrusion.



INTALOGIX® TECHNOLOGY

This innovative digital technology, available exclusively from Fairbanks, isolates your scale's load cells and guards them against dangerous electrical strikes and power surges.



CC # 94-101

TUNDRA XL AND XLT SERIES PIT-TYPE TRUCK SCALES

THE TUNDRA IS ALL ABOUT SAVINGS

Fairbanks' Tundra Series Truck Scales are rugged, reliable and real estate friendly. The Tundra features time-proven scale engineering and a design that significantly reduces the amount of real estate typically required for scale operations. At the end of the day, customers find the Tundra to be an exceptional cost- and space-saving value, whether they're building a new scale from the ground up or need a factory-built and assembled deck to fit an existing foundation.

• Concentrated Load Capacity Advantage

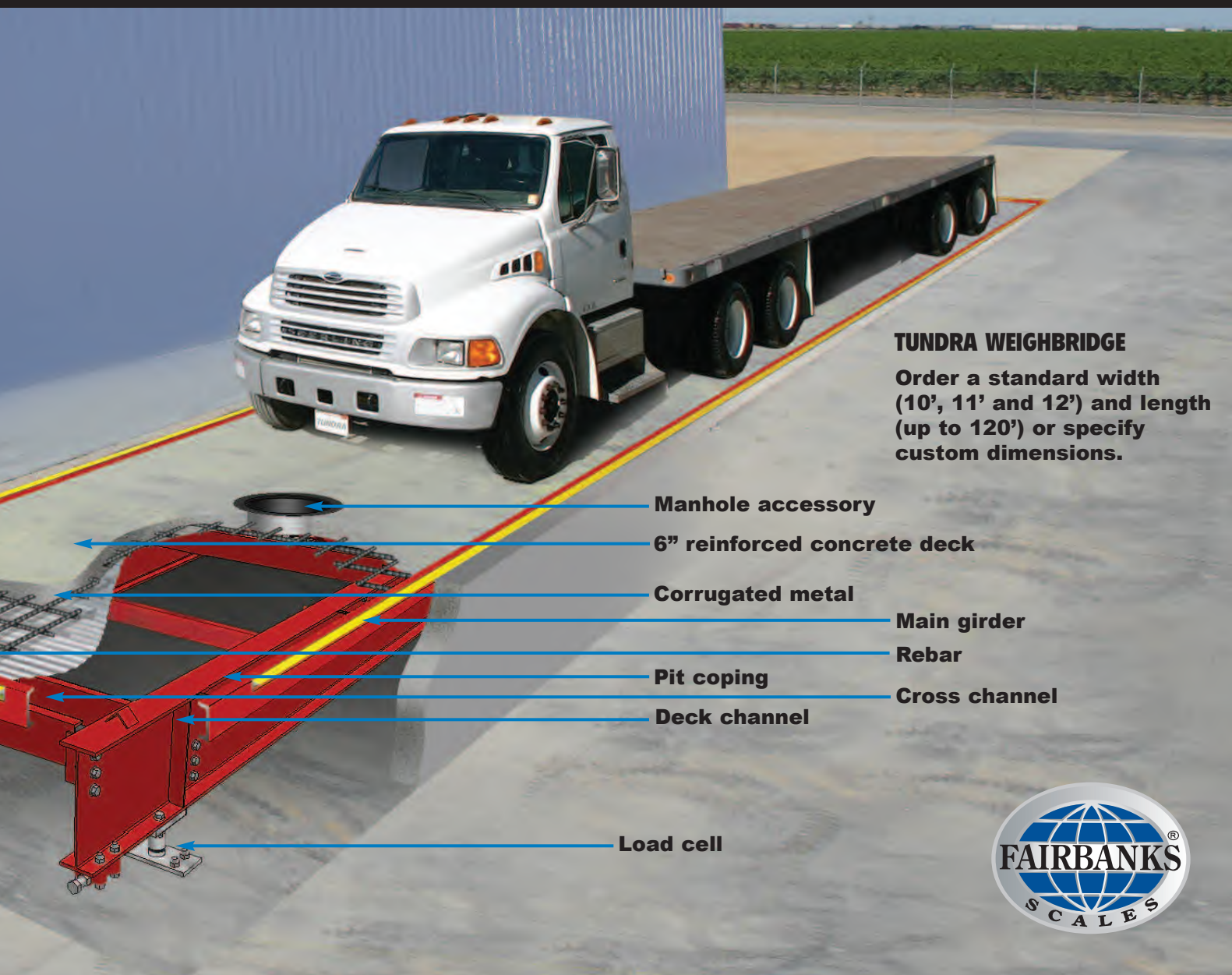
The **Tundra XL** features a 60 k CLC for typical highway vehicle weighing applications.

The **Tundra XLT** features a 100 k CLC for extreme applications.

• Exclusive Intalogix Technology

The Tundra Series utilizes Fairbanks' Intalogix Technology to achieve the industry's greatest lightning and surge protection, as well as superior load cell diagnostics.

**Contact your Fairbanks Representative for warranty details.*



TUNDRA WEIGHBRIDGE

Order a standard width (10', 11' and 12') and length (up to 120') or specify custom dimensions.

Manhole accessory

6" reinforced concrete deck

Corrugated metal

Main girder

Rebar

Pit coping

Cross channel

Deck channel

Load cell



TUNDRA XL AND XLT FEATURES

WEIGHBRIDGE

- Capacity range of 45 to 135 tons.
- Field pour concrete deck (optional factory poured deck or steel deck).
- Long-lasting, time proven dual main girder design.
- Easy manhole access to the scale pit for routine maintenance.
- Unique bumper checking system that solves side-to-side and end-to-end checking and allows for a free floating deck.
- Wear resistant, acrylic urethane industrial coating system.

ROCKER COLUMN LOAD CELLS

- 4.66" electrochemically polished stainless steel with the ultimate in load cell capacity (66K) and 300 percent overload protection.
- True hermetic seal ensures this cell is impervious to moisture.
- Stainless steel sheathing protects cables from rodents and fraying.



Tundra's end-dump option is the only NTEP certified end-dump available for replacement or new installations.

TUNDRA XL & XLT SERIES

PIT-TYPE TRUCK SCALES

Weighing Solutions for the World Since 1830

Fairbanks.com

SPECIFICATIONS

Capacities	45 ton to 135 ton (XL) 60 ton to 135 ton (XLT)
CLC	60 k (XL) 100 k (XLT)
Platform sizes	
Lengths	10' to 120' standard Custom lengths available
Widths	10', 11' and 12' standard
Minimum division size	10 lbs
Sections	2 to 7
Deck data:	
Design	Dual main girders
Construction	Field pour
Checking	Bumper
Approvals	NTEP CC# 94-101, MC# AM-4949
Load cell:	
Height	4.66"
Capacity	66,000 lbs
Type	Rocker column
Sealing	Welded, hermetically sealed, gas filled
Material	Element - 420 Can - 304
Rating	IP69K
Resistance	1,000 ohms
Output	2.4 mV/V
Excitation	4 to 24 VDC
Ultimate overload	300%
Cable length	15'
Cable protection	Stainless steel braid ArmourGuard
Approvals	NTEP CC# 14-024, Factory Mutual, CE, OIML R60/2000-DE-08.11

ACCESSORIES

Scale Instruments



Traffic Signals



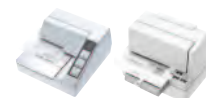
Custom software



Remote Displays



Ticket printers



Driver Assist Terminals



OPTIONS

Blow-down plates
Custom sizes
Dump through deck
Factory poured concrete deck
Galvanized weighbridge
Guide post kits
Intrinsically safe electronics
Load cell riser plates
Manholes (round)
NTEP approved end-dump
Rebar mat kits
Steel deck

Your Fairbanks Scales Authorized Representative is:

Call toll-free for the representative nearest you:

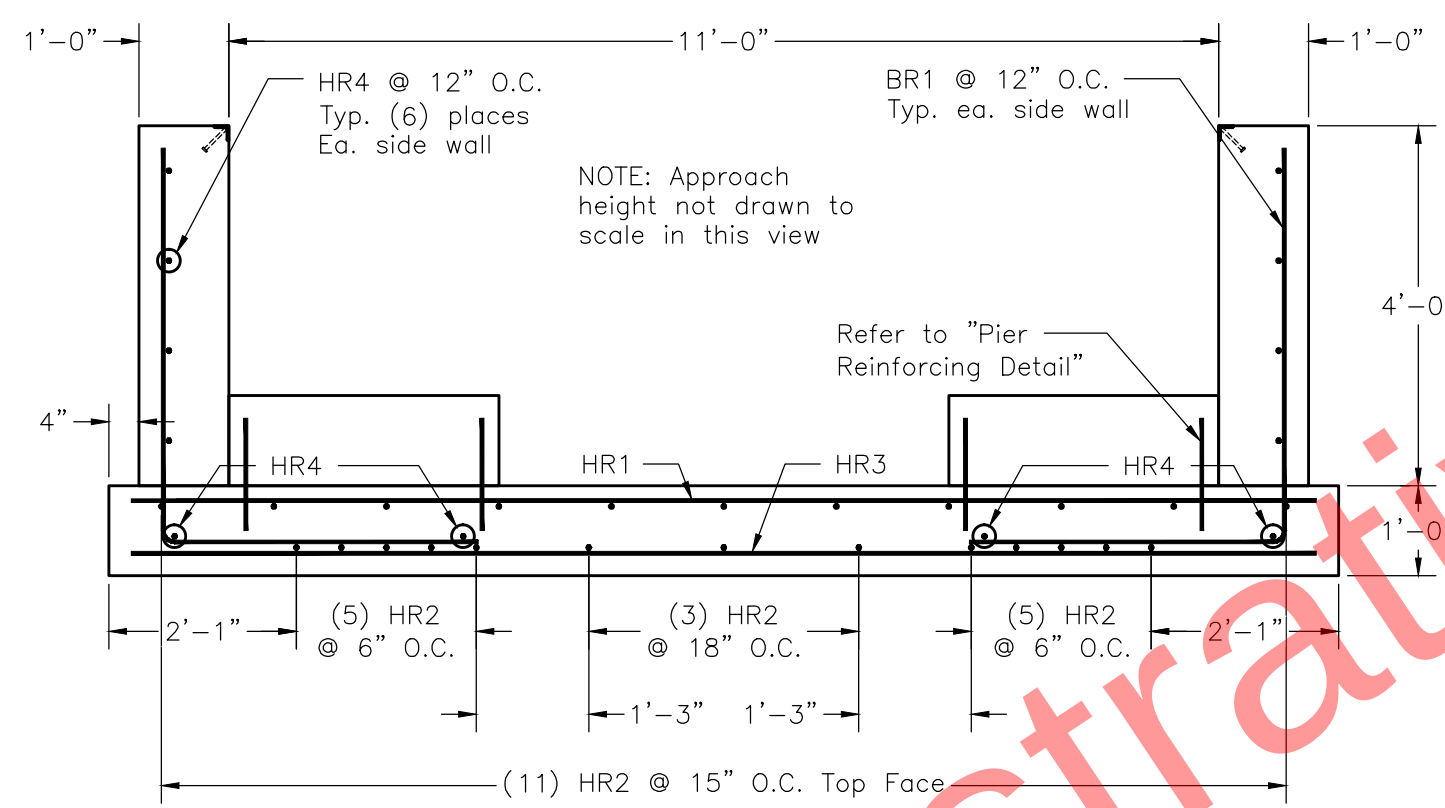
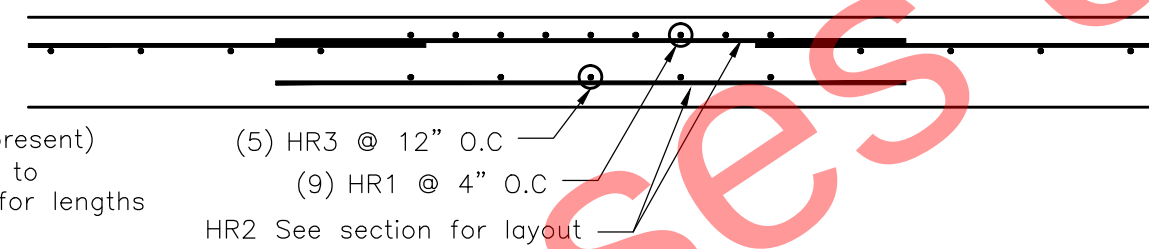
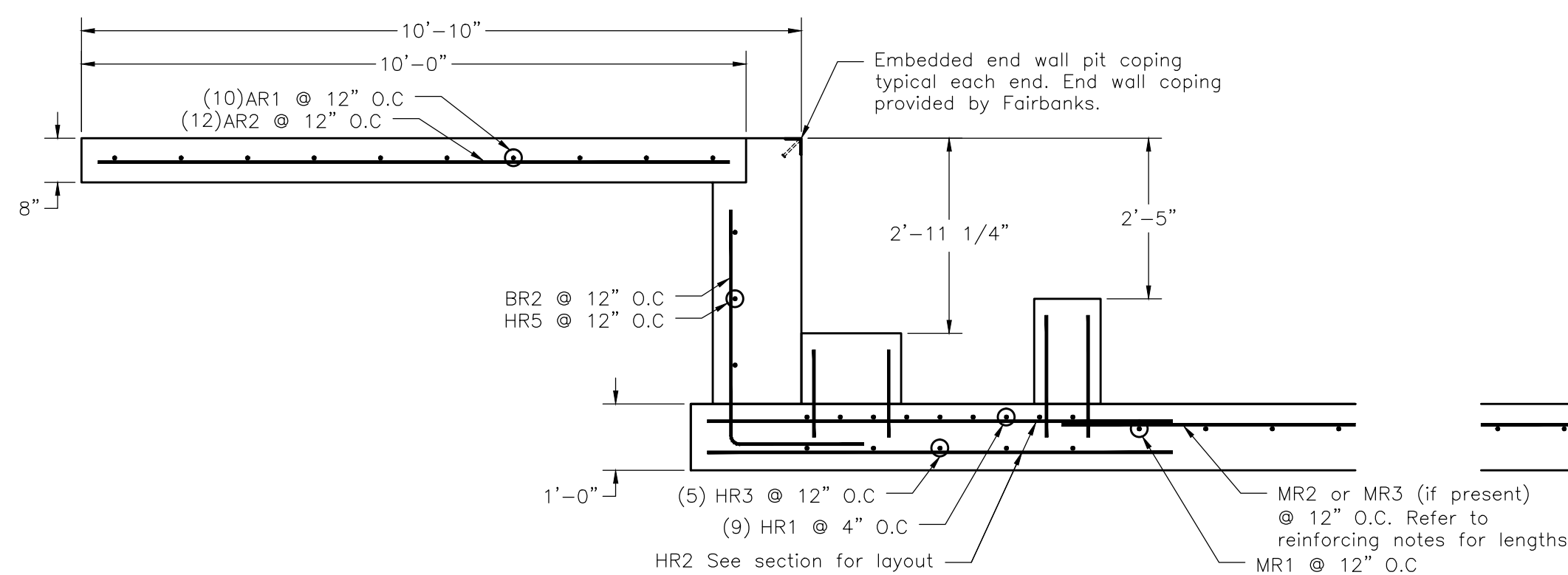
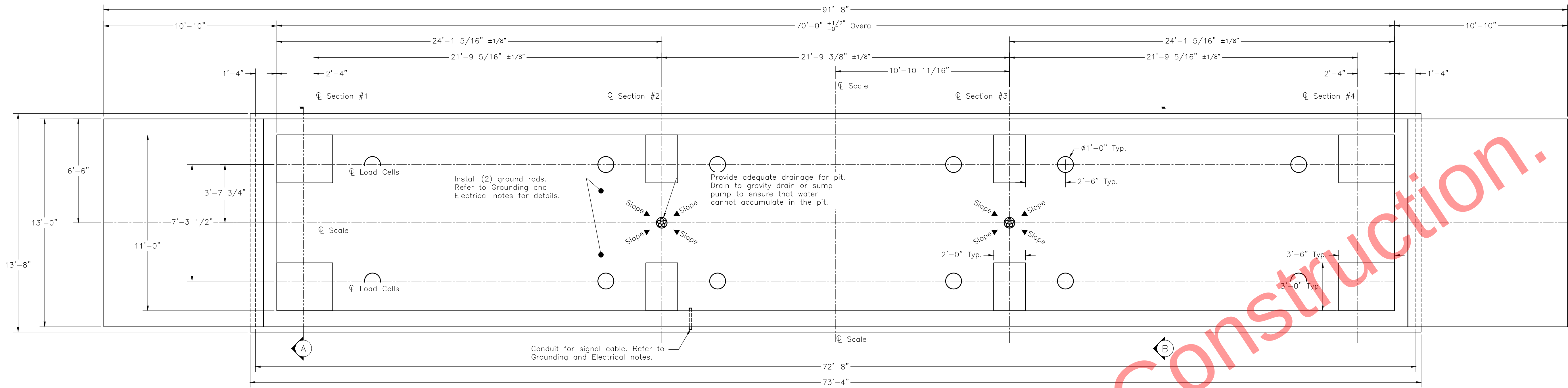
(800) 451-4107

Call between 8:00 a.m. – 5:00 p.m. Central Time

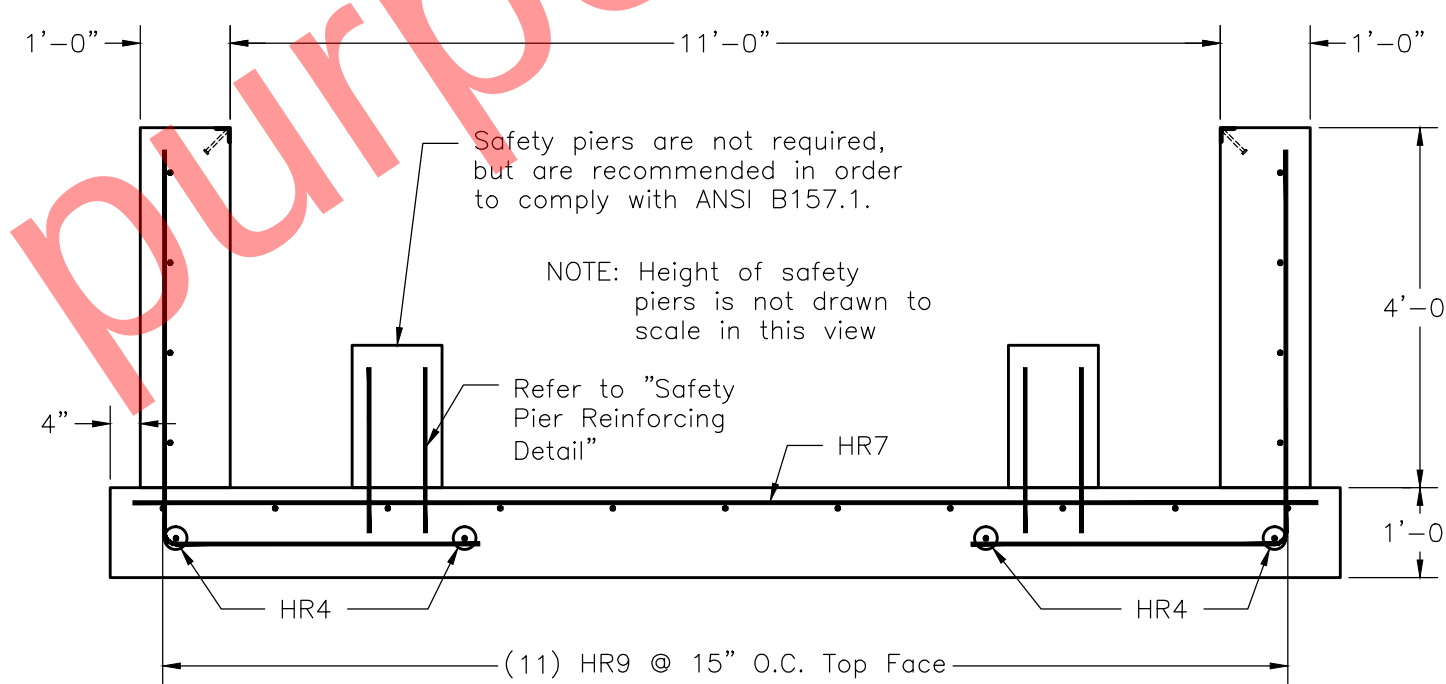
Corporate Offices: 821 Locust • Kansas City, MO 64106 • (816) 471-0231

Internet Address: <http://www.Fairbanks.com>





SECTION A-A



SECTION B-B

FOUNDATION REINFORCING SCHEDULE					
ASTM 615 - GRADE 60					
MARK	QTY	SIZE	LENGTH	BENDING	WEIGHT (LBS)
BR1	144	#4	8' - 0"	4'-6" 3'-6"	770
BR2	26	#6	5' - 10"	3'-10" 2'-0"	228
BR3	12	#4	4' - 0"	2'-0" 2'-0"	32
HR1	36	#6	13' - 2"	13' - 2"	712
HR2	92	#4	7' - 0"	7' - 0"	430
HR3	20	#4	13' - 2"	13' - 2"	176
HR4*	48	#4	19' - 6"	19' - 6"	625
HR5	6	#4	12' - 6"	12' - 6"	50
HR6	32	#4	1' - 3"	1' - 3"	27
HR7	48	#4	1' - 10"	1' - 10"	59
*Splice (4) HR4 to make 72'-10" in slab, 72'-2" in side walls.					
MIDSPAN REBAR BETWEEN LOAD CELL SECTION					
MR1	57	#4	13' - 2"	13' - 2"	501
MR2	33	#4	18' - 5"	18' - 5"	406
WWR 6x6 D10.0/D10.0 (Grade 60) can be used in place of midspan rebar. Approximately 720sq. ft. required.					
APPROACH REBAR					
AR1	20	4	12' - 6"	12' - 6"	167
AR2	26	4	9' - 6"	9' - 6"	165
Total Weight					4348

FOUNDATION CONCRETE	
3500 PSI MINIMUM	
LOCATION	QTY (CU. YDS)
SLAB	37.25
WALLS	26.00
PIERS	2.75
SAFETY PIERS	0.75
APPROACHES	6.50
TOTAL CONCRETE	
72.75	
MINIMUM EXCAVATION	
301.25	
CLEARANCE DIMENSION	
21"	

GENERAL NOTES

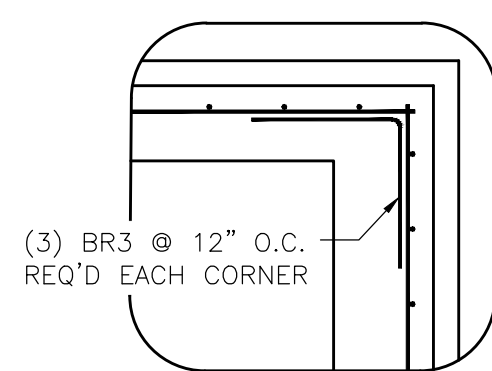
- Excavation, foundation forms, rebar, and concrete to be furnished by contractor or customer.
- Foundation shown is designed for soils with a minimum bearing capacity of 1500 psf and adequate drainage. If soil conditions do not meet these requirements, adjust foundation or soil as required. The design is adequate for a highway surcharge of 300psf.
- Work from centerlines when erecting forms and placing embedded items. Place anchor bolts within $\pm 1/8"$ of positions indicated in drawing.
- In areas of the country where there is severe freezing, increase the depth of the foundation so that the bottom extends below the frost line, or provide a minimum of 12" free draining granular material to prevent frost heave.
- N.I.S.T. H-44 requires that on the entrance and exit ends of a vehicle scale, there shall be a straight approach that is:
 - At least the width of the platform.
 - The length of at least one-half the length of the platform but not required to be more than 40ft, and
 - Any slope in the remaining portion of the approach shall ensure ease of vehicle access, ease for testing purposes, and drainage away from the scale.
- N.I.S.T. H-44 requirements and local weights and measures regulations may require installation parameters somewhat different than illustrated on this plan, particularly in regard to pit depth and approaches. In order to insure compliance, consult the local Fairbanks service office prior to installation.
- Refer to manual for all installation and operation instructions.
- Fairbanks does not recommend using foundation or ground installed guide rails along the sides of the truck scale platform. Damage may occur to the scale if the vehicle hits the guide rail, transferring damaging forces to the platform and the checking system. Usage of this style guide rail will void the product warranty. If guide rails are necessary, please use fairbanks accessory rub rails.
- A minimum of 24" of clearance is required on both sides of the scale in order to access load cells, electronics, and checking hardware.

CONCRETE AND REINFORCING STEEL NOTES

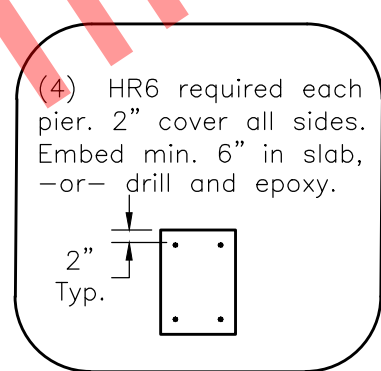
- All concrete material and workmanship to be in accordance with the current American Concrete Institute (ACI) code requirements.
- All concrete to be a minimum of 3000psi at 28 days.
- Reinforcing steel are to be ASTM 615, Grade 60 or equal. Bend bars cold to conform with required details. Rebar shall be free of all mud, debris, cement grout, loose rust, grease and oil that would impair bonding. Space bars properly and tie securely in position before pouring concrete. Tack welding of bars is prohibited.
- Rebar cover:
 - Concrete cast against earth: 3"
 - Formed concrete exposed to earth or weather: 2"
 - Cover at termination end of rebar: 3"
- The top of all load bearing piers must be smooth, flat, level, and in plane with one another in order for load cell plates to bear properly. Vertical rebar for piers may be optionally drilled-and-epoxied in place. Some states require that concrete piers be poured monolithic with the side walls (recommended method).

GROUNDING AND ELECTRICAL NOTES:

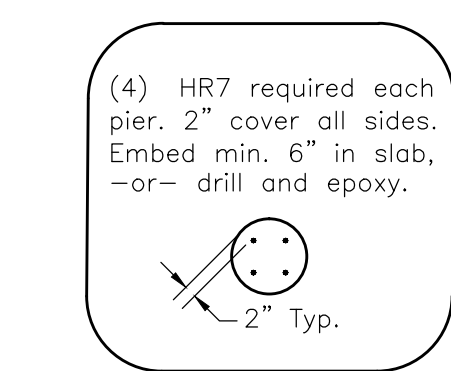
- Install (2) $3/4" \times 8'-0"$ long ground rods to project 4" Tie ground rods to slab rebar.
 - One for grounding Intalogix Power Supply. Position the ground rod to match the chosen location for the PPS. The PPS may be located at any section.
 - One for grounding scale weighbridge. Place within 3ft of a main beam, at any convenient location. The power supply ground must be separate from weighbridge ground, and should be at least 4'-0" from power supply ground.
- Install minimum $1/2"$ conduit for cable from junction box to scalehouse. Suitable conduit for low voltage conductor shielded cable must pass through the wall at any point above pier tops that is convenient. Conduit to extend a minimum of 2" beyond the surface. Conduit is not supplied from the factory.
- If alternating current (AC) is required near the scale, it shall not run closer than 36" in parallel with any load cell or other signal carrying cable.



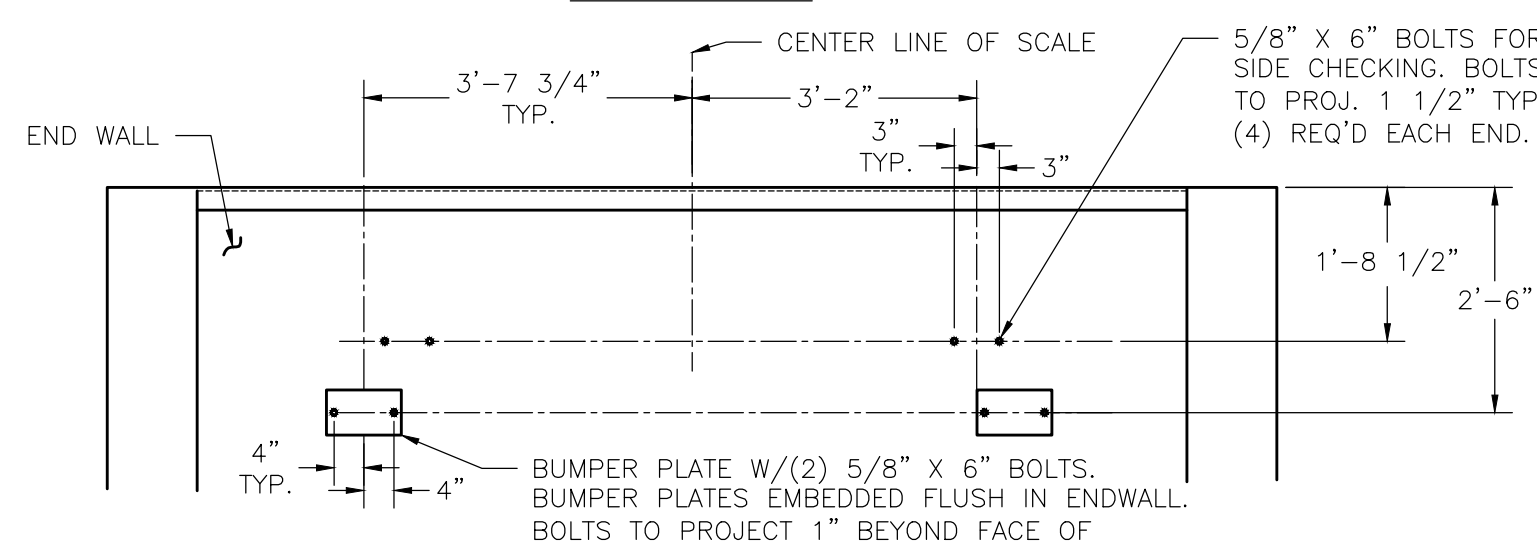
CORNER REINFORCING DETAIL



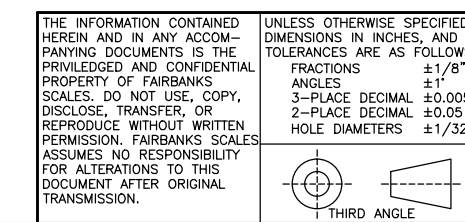
PIER REINFORCING



SAFETY PIER REINFORCING

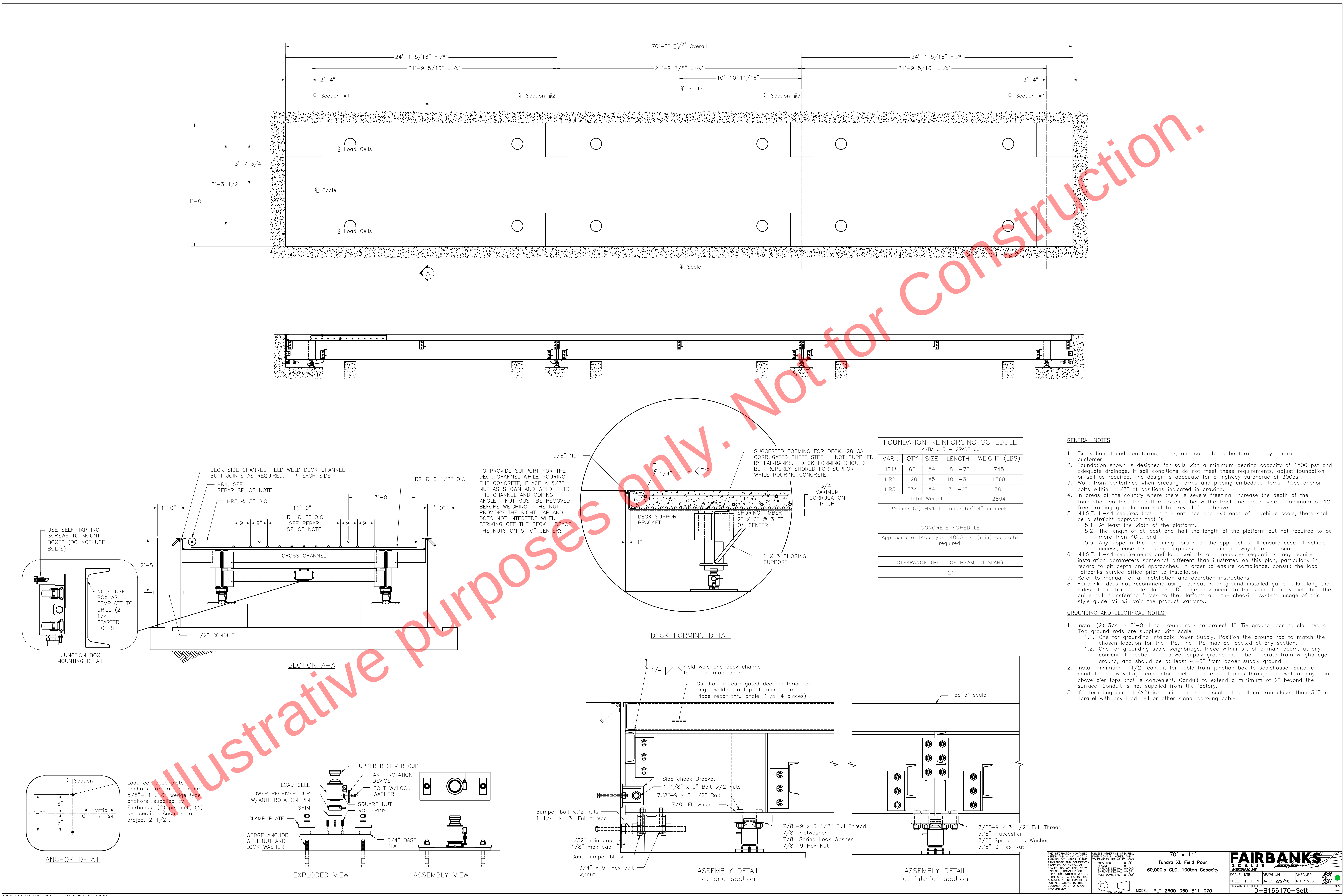


END WALL CHECKING DETAIL

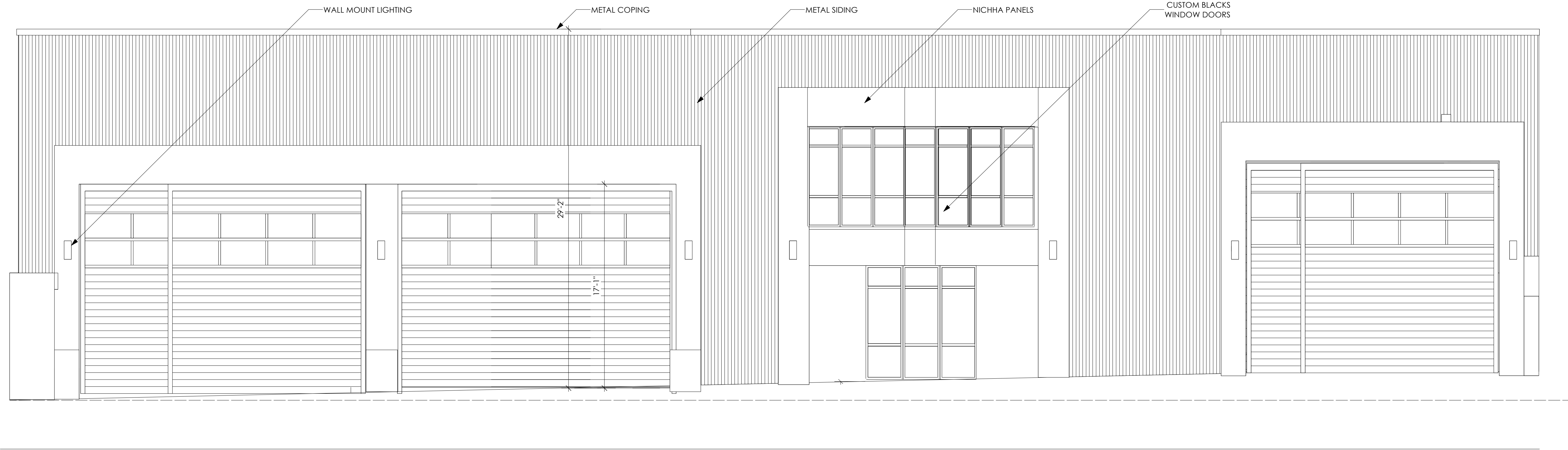


70' x 11'
Tundra XL Field Pour
60,000lb CLC, 100ton Capacity
MODEL: PLT-2600-060-B11-070

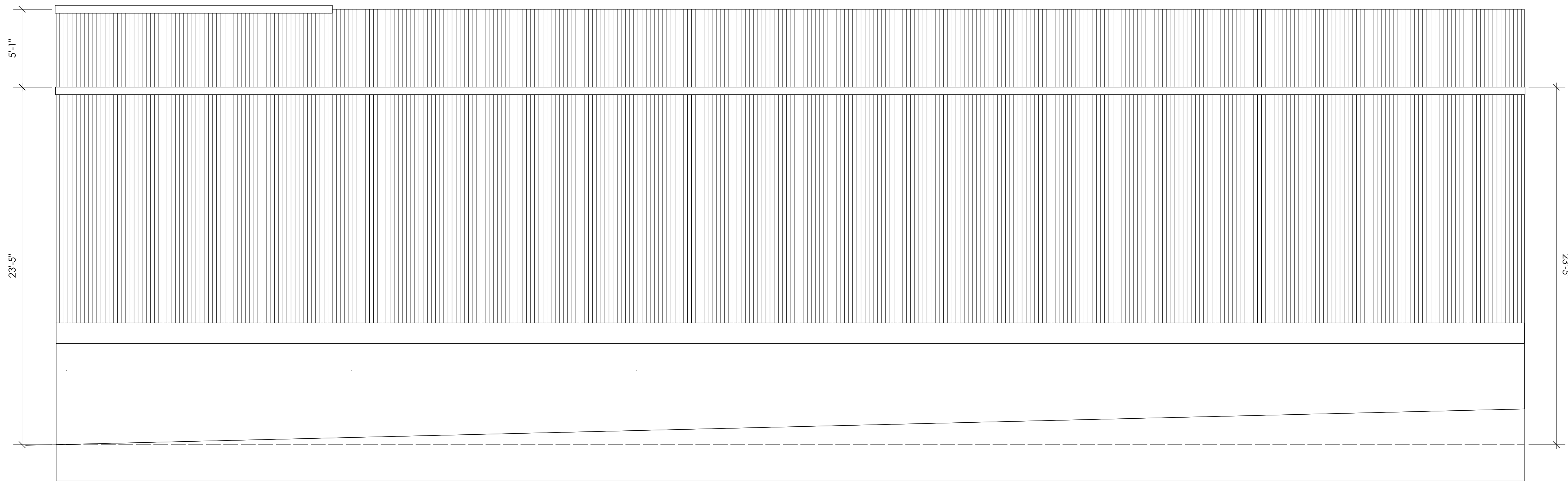
FAIRBANKS
SCALE: NTS
DRAWN: JH
CHECKED: JH
SHEET: 1 OF 1
DATE: 2/2/18
APPROVED: JH
DRAWING NUMBER: D-B166170-BP48
REV: 1



APPENDIX H
BUILDING ELEVATIONS



6 FRONT BUILDING ELEVATION
Scale: 1/4" = 1'-0"



1 ELEVATION
Scale: 1/4" = 1'-0"

ISSUE:		
#	DATE	DESCRIPTION

REVISIONS:		
#	DATE	DESCRIPTION

PROJECT TITLE:
NEW BUILDING:
130 MILLER PLACE
MOUNT VERNON, NY 10550
BLOCK: 4090 LOT: 19

DRAWING TITLE:
ELEVATIONS

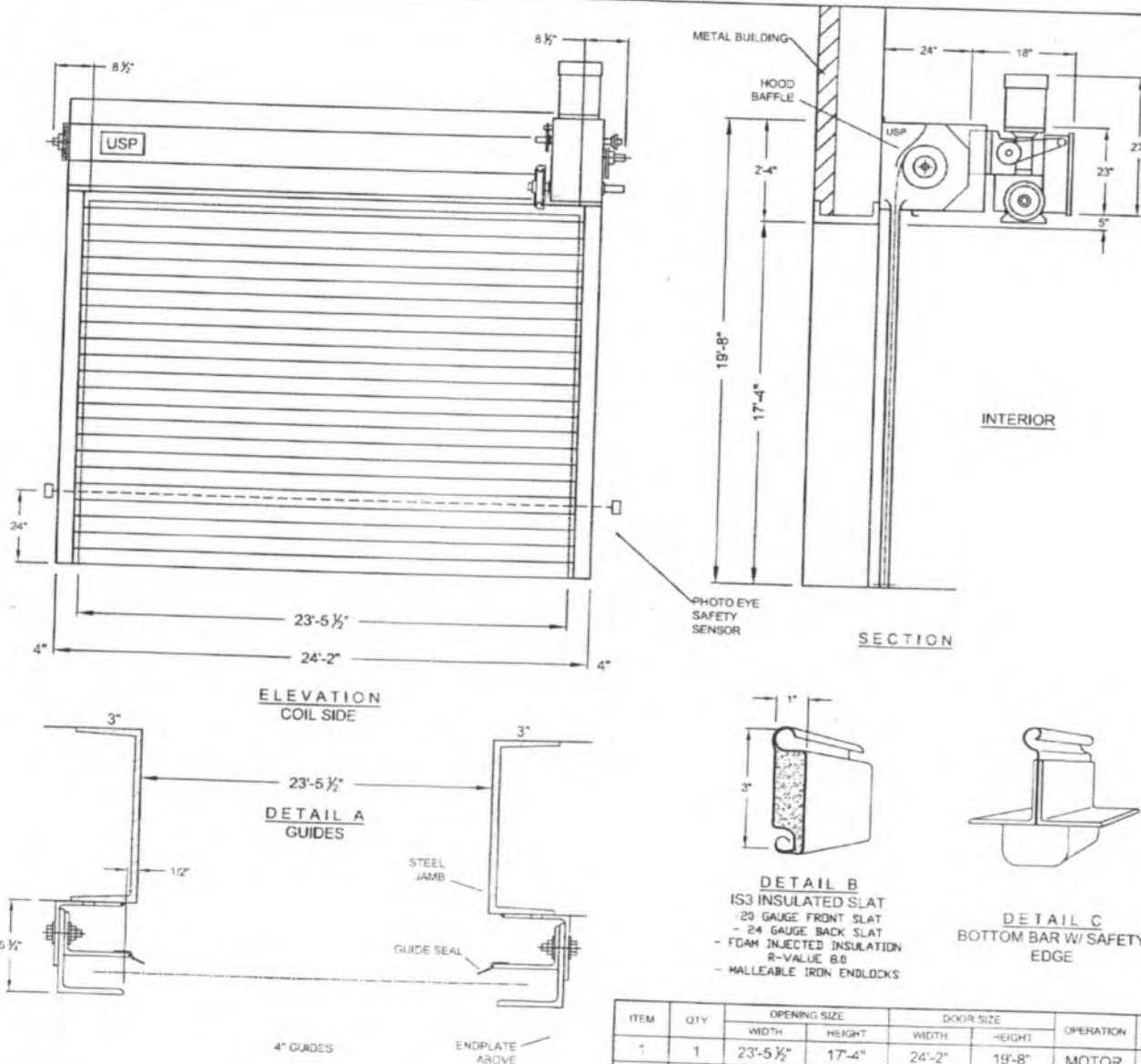
SCALE: AS NOTED	SEAL AND SIGNATURE: 
DATE: 06/25/2025	
JOB NO: 24312	
DRAWN BY: WP	
CHECKED BY: SB	

DRAWING NO.:
A-116.00
SHEET NO.:
11 OF 12

APPENDIX I

VEHICLE DOOR INSTALLATION DETAILS

SOUTH BAY



USP UNITED STEEL PRODUCTS, INC
 EST. 1975 33-40 127th Place
 Flushing NY 11368
 P: (718) 478-5330 F: (718) 779-8258
 www.UnitedSteelProducts.com

**INSULATED ROLL-UP DOOR
 MODEL 400-IS3-40-PS**

COMPONENT & FINISH
 EXT. FRNT SLAT: GALV. STEEL / GREY ENAMEL
 INT. BACK SLAT: GALV. STEEL / GREY ENAMEL
 HOOD: GALV. STEEL / PAINTED GREY
 GUIDES: STEEL / PAINTED GREY
 BBAR: STEEL / PAINTED GREY

EQUIPMENT & ACCESSORY		
NO.	DESCRIPTION	QTY
1	GH MOTOR 2HP 230V 3Ø WITH WORM REDUCER IN OIL BATH, SOLENOID BRAKE, LIMIT SWITCH, OVERLOAD PROTECTION, 24V CONTROL CIRCUIT, NEMA-1	1
2	3-BUTTON STATION	1
3	WPF WEATHERSEALS	1
4	SAFETY EDGE SENSOR	1
5	PHOTO EYE SAFETY SENSOR	1
6	TIMER TO CLOSE	1

MOUNT: ☒ INSIDE () OUTSIDE
 SIGN OFF

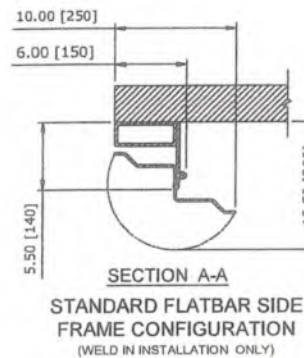
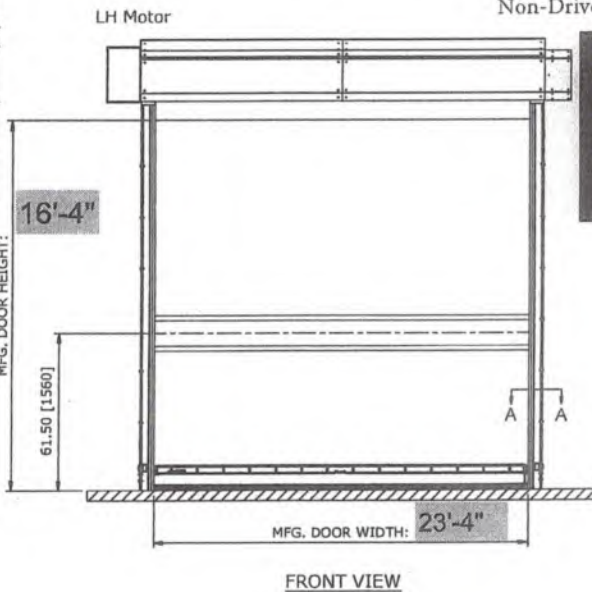
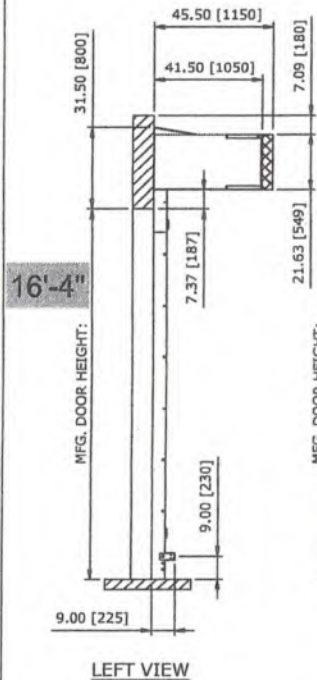
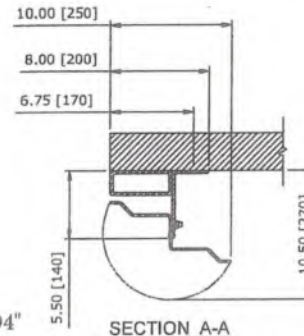
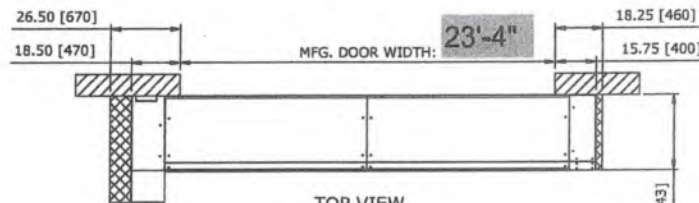
DATE

JOB NO: 218201
 CONTRACTOR: APPROVED MEDICAL WASTE
 PROJECT:
 LOCATION: 130 MILLER PLACE
 MOUNT VERNON, NY
 DRAWN BY: RN CHECKED BY: pv
 DATE: 10/20/2025

ITEM	QTY	OPENING SIZE		DOOR SIZE		OPERATION	HAND
		WIDTH	HEIGHT	WIDTH	HEIGHT		
1	1	23'-5 1/2"	17'-4"	24'-2"	19'-8"	MOTOR	RH

REMARKS

 RECOMMENDED FOR
MAINTENANCE.



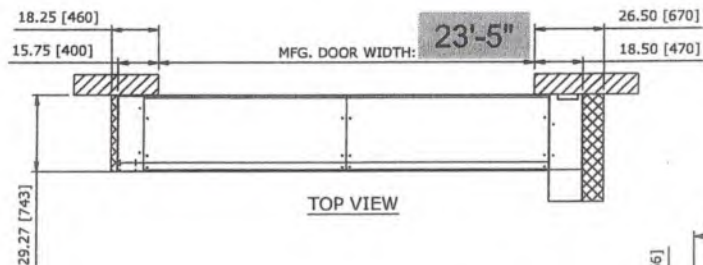
MECHANICAL OPTIONS	
DRIVE SIDE	☐ RIGHT ☒ LEFT
PANEL MATERIAL	☐ SBR BLACK ☐ MSHA BLACK ☒ EPDM GREY ☐ EPDM BLUE
PRESSURE OPTIONS	☐ NONE ☐ FRONT WINDBAR ☒ GUSSETS ☐ REAR WINDBAR
WINDOWS	☐ WINDOW (S) QTY. 0
SAFETY STRIPS	☐ NONE ☒ YELLOW STRIPES
DRIVE CONFIGURATION	☒ DIRECT DRIVE ☐ CHAIN DRIVE
HOODS	☐ NONE ☐ LOW DOOR HEIGHT ☒ FULL ROLL
SIDE FRAME	☐ FLAT BAR ☒ ANGLE
ELECTRICAL OPTIONS	
SUPPLY VOLTAGE (PHASE) CONTROL BOX	
☐ 208V ☒ 230V ☐ 480V ☐ 575V	
CONTROL BOX	
☒ ACS100 - STEEL ☐ ACS100 - STAINLESS STEEL	
SAFETY LIGHTS	
☒ PHOTO EYES ☐ LIGHT CURTAINS	
ACTUATOR	
☐ MOTION DETECTOR ☐ PULL CORD ☐ PUSH BUTTON ☐ FLOOR LOOP	
INDICATORS	
☐ HORN ☐ RED ☐ AMBER STROBE ☐ GREEN ☐ TRAFFIC LIGHT ☐ LED SET	

CUSTOMER:	Medical Waste	APPROVED BY:	
LOCATION:	NY	APPROVED WITH CHANGES BY:	ALBANY
SALESMAN / DEALER:	United Steel Products/Jan Wudyka	DATE:	SCALE = NTS
DESCRIPTION:		RR1500 APPROVAL DRAWING	
8	WINDOW QTY. CHANGE	3/1/2019	JDR
Rev	Change	Date	Name
DRAWING NO:		DESIGNER:	DATE:
8300T0104		T. LINDSEY	3/21/18

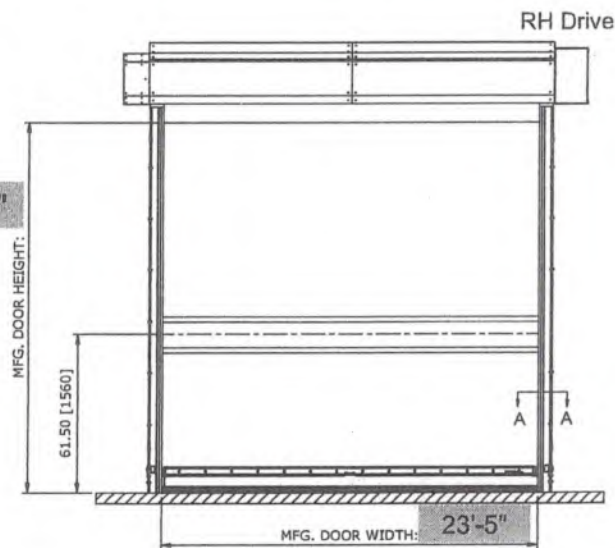
Per Quote QUO-05314-V5B3N4
Left Hand Drive
Gray Curtain
Side Guide Gussets
Roll Cover, NO motor Cover

MIDDLE BAY DOOR
RR1500 TOUGH, LH DRIVE, WITH COVERS
CONTROL PANEL:
ACS100 CONTROLS

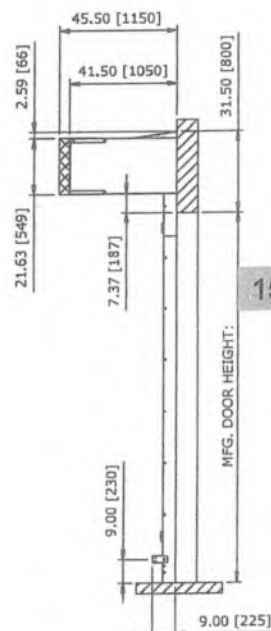
 RECOMMENDED FOR
MAINTENANCE.



TOP VIEW



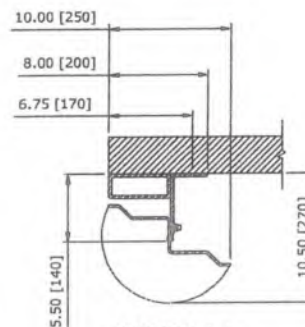
FRONT VIEW



RIGHT VIEW

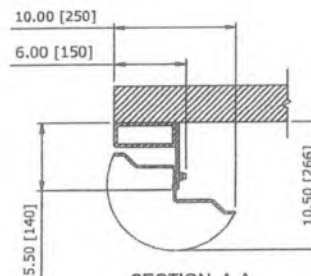
NORTH DOOR

RR1500 TOUGH, RH DRIVE, WITH COVERS
CONTROL PANEL: ACS 100 CONTROLS



SECTION A-A

OPTIONAL ANGLE SIDE
FRAME CONFIGURATION



SECTION A-A

STANDARD FLATBAR SIDE
FRAME CONFIGURATION
(WELD IN INSTALLATION ONLY)

MECHANICAL OPTIONS	
DRIVE SIDE	☒ RIGHT ☐ LEFT
PANEL MATERIAL	☐ SBR BLACK ☐ MSHA BLACK ☒ EPDM GREY ☐ EPDM BLUE
PRESSURE OPTIONS	☐ NONE ☐ FRONT WINDBAR ☒ GUSSETS ☐ REAR WINDBAR
WINDOWS	☐ WINDOW (S) QTY. 0
SAFETY STRIPS	☐ NONE ☒ YELLOW STRIPES
DRIVE CONFIGURATION	☒ DIRECT DRIVE ☐ CHAIN DRIVE
HOODS	☐ NONE ☐ LOW DOOR HEIGHT ☒ FULL ROLL
SIDE FRAME	☐ FLAT BAR ☒ ANGLE
ELECTRICAL OPTIONS	
SUPPLY VOLTAGE (208V 3 PHASE) CONTROL BOX	
☐ 208V ☒ 230V ☐ 460V ☐ 575V	
CONTROL BOX	
☒ ACS100 - STEEL ☐ ACS100 - STAINLESS STEEL	
SAFETY LIGHTS	
☒ PHOTO EYES ☐ LIGHT CURTAINS	
ACTUATOR	
☐ MOTION DETECTOR ☐ PULL CORD ☐ PUSH BUTTON ☐ FLOOR LOOP	
INDICATORS	
☐ HORN ☐ RED ☐ AMBER STROBE ☐ GREEN ☐ TRAFFIC LIGHT ☐ LED SET	
CUSTOMER: Medical Waste	
APPROVED BY: ALBANY	
LOCATION: NY	
APPROVED WITH CHANGES BY:	
SALESMAN / DEALER: United Steel Products/In Wydyka	
DATE: SCALE = NTS	
DESCRIPTION: RR1500 APPROVAL DRAWING	
DRAWING NO: 8300T0105	
DESIGNER: T. LINDSEY	
DATE: 3/21/18	

Per Quote QUO-05314-V5B3N4
Right Hand Drive
Gray Curtain
Side Guide Gussets
Roll Cover, NO motor Cover

APPENDIX J

PUSH WALL STRUCTURAL DESIGN PLANS

1. CONSTRUCTION SHALL CONFORM WITH THE PROVISIONS OF THE CURRENTLY ADOPTED IBC, OSHA, AND STATE BUILDING CODES AS WELL AS ALL RELEVANT LOCAL CODE REQUIREMENTS.
2. CONTRACTOR SHALL COORDINATE STRUCTURAL WORK WITH ALL RELEVANT VENDOR DRAWINGS AND DRAWINGS FROM OTHER DISCIPLINES.
3. CONTRACTOR SHALL CONTACT STATE EXCAVATION ONE-CALL SYSTEM AND ALL INVOLVED UTILITY COMPANIES AND LOCATE ALL UNDERGROUND UTILITIES IN THE VICINITY OF THE WORK BEFORE PROCEEDING WITH ANY EXCAVATION WORK. CONTRACTOR SHALL COMPLETE THE CONSTRUCTION IN A MANNER WHICH WILL PREVENT DAMAGE TO UTILITIES. SHOULD ANY DAMAGE TO SUCH UTILITIES OCCUR, THE CONTRACTOR SHALL REPAIR ANY DAMAGE AT ITS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER.
4. CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING. CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE.
5. LOCATIONS OF ALL EXISTING STRUCTURES SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR SURVEY PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL REPORT ANY DISCREPANCIES FROM THE CONTRACT DRAWINGS TO THE ENGINEER PRIOR TO COMMENCING WITH WORK. SCALING OF WORKING DIMENSIONS FROM THE STRUCTURAL DRAWINGS IS PROHIBITED.

1. FOUNDATIONS ARE DESIGNED FOR A MINIMUM BEARING PRESSURE OF 2500 PSF AND IT SHALL BE CONFIRMED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.
2. FOUNDATIONS BEARING ON EXISTING SUBGRADE SHALL BE PLACED ON 6" OF WELL-GRADED STRUCTURAL FILL. EXISTING SUB-GRADE SHALL BE COMPACTED TO 90% AND STRUCTURAL FILL SHALL BE COMPACTED TO 95% OF MAXIMUM MODIFIED PROCTOR DENSITY IN ACCORDANCE WITH ASTM D1557.
3. ALL BEARING SURFACES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE. CONCRETE SHALL NOT BE PLACED ON WATER OR FROZEN GROUND SURFACES. CONTRACTOR SHALL REMOVE ALL ORGANIC FILL & SOFT SOILS BELOW BEARING SURFACES.
4. CONTRACTOR SHALL CONFIRM FROST DEPTH WITH LOCAL BUILDING DEPARTMENT PRIOR TO CONSTRUCTION AND SHALL MAINTAIN SUFFICIENT SOIL COVER ABOVE FOUNDATION BEARING SURFACES DURING FINAL GRADING TO SATISFY THIS REQUIREMENT.
5. CONTRACTOR SHALL PROVIDE DEWATERING SYSTEM AS REQUIRED FOR DEEP EXCAVATIONS.
6. FOUNDATIONS BEARING ON CUT SHALE SHALL BE POURED WITHIN 12 HOURS OF EXCAVATION. DISTURBED, WET OR SOFTENED AREAS SHALL BE REMOVED PRIOR TO PLACING CONCRETE. LEAN CONCRETE SHALL BE USED BETWEEN SHALE AND BOTTOM OF FOUNDATIONS AS REQUIRED TO PROVIDE A LEVEL BEARING SURFACE.
7. CONTRACTOR SHALL VERIFY DEPTH TO SHALE BEDROCK FOR ALL FOUNDATIONS AND SHALL REPORT ELEVATIONS TO AAES FOR APPROVAL PRIOR TO REBAR FABRICATION.

1. CONCRETE SHALL COMPLY WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE", LATEST EDITIONS. DETAILING, FABRICATION AND ERECTION OF REBAR SHALL BE IN ACCORDANCE WITH ACI 315 "ACI DETAILING MANUAL", LATEST EDITION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, ENGINEERING, STRUCTURAL ADEQUACY, AND CONSTRUCTION OF ALL CONCRETE FORM WORK AND SHALL PROPERLY SECURE ALL CAST-IN-PLACE EMBEDMENTS PRIOR TO CONCRETE PLACEMENT TO ENSURE FINAL LOCATION OF EMBEDMENT MATCHES CONTRACT DRAWINGS.
3. CONCRETE SHALL BE AIR-ENTRAINED WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH $f'_c = 4500$ PSI CONFORMING TO ACI 318 REQUIREMENTS FOR EXPOSURE CLASS F2, UON. SLABS TO RECEIVE A TROWELED FINISH SHALL NOT BE AIR-ENTRAINED.
4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 (PLAIN BARS) AND A497 (DEFORMED BARS).
5. CONTRACTOR SHALL COORDINATE ALL CONCRETE WORK WITH THE PLACEMENT OF PIPING, INSERTS, FLOOR DRAINS, AND OTHER EMBEDDED ITEMS SHOWN ON THE CONTRACT DRAWINGS.
6. PROVIDE $\frac{1}{2}$ " CHAMFER ON ALL EDGES OF EXPOSED CONCRETE, UON.

7. CONTRACTOR SHALL PROVIDE THE FOLLOWING MINIMUM CONCRETE COVER:
 - a. CAST AGAINST AND EXPOSED TO EARTH: 3"
 - b. EXPOSED TO EARTH OR WEATHER:
#5 BAR AND SMALLER: 1 1/2"
#6 BAR AND LARGER: 2"
8. PLACEMENT OF CONCRETE IN HOT WEATHER CONCRETE SHALL CONFORM TO ACI 305. PLACEMENT OF CONCRETE IN COLD WEATHER SHALL CONFORM TO ACI 306.
9. ANCHOR RODS SHALL BE HOT-DIP GALVANIZED. ANCHOR ROD PROJECTION SHALL NOT BE LESS THAN 1 1/2" + BASE PLATE THICKNESS + 1.5x ANCHOR ROD DIAMETER, UON.
10. PROVIDE VOLCLAY WATER STOP RX IN ALL JOINTS BELOW GRADE UNLESS PVC WATERSTOPS ARE SHOWN ON THE CONTRACT DRAWINGS.
11. GROUT SHALL BE NON-SHRINK GROUT SUCH AS "W.R. MEADOWS CONSTRUCTION GROUT CG-86" OR APPROVED EQUAL CONFORMING TO ASTM C-1107 STANDARDS.
12. MASS CONCRETE FOUNDATIONS SHALL BE AS INDICATED ON THE DRAWINGS. PLEASE FOLLOW ACI 207 LATEST EDITION REGARDING MASS CONCRETE POURS.
13. REINFORCEMENT BARS SHALL BE DEFORMED AND SHALL MEET ASTM A615, GRADE 60.
14. CONTRACTORS SHALL PERFORM CONCRETE CYLINDER COMPRESSIVE STRENGTH TESTING, IN ACCORDANCE WITH ACI 301 SPECIFICATIONS AND SUBMIT TO ENGINEER FOR APPROVAL.
15. CONTROL JOINT IN SLABS SHALL BE MADE WITHIN SIX HOURS OF CONCRETE PLACEMENT. CONTROL JOINTS IN WALL SHALL BE MADE BY PROVIDING FORMING STRIPS IN THE FORM WORK.
16. FOUNDATION CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND SURFACE.
17. CONTRACTOR SHALL PROVIDE CONTROL OF SURFACE & SUBSURFACE WATER TO INSURE THAT ALL FOUNDATION WORK IS DONE DRY.
18. CONCRETE MUST BE MOIST CURED FOR A MINIMUM OF 7 DAYS BEFORE ANY EXTERNAL LOADS CAN BE APPLIED.
19. TOP OF FOUNDATION PADS SHALL BE LEVEL WITH LIGHT BROOM FINISH UON.
20. ALL CONSTRUCTION JOINT SURFACES SHALL BE ROUGHENED TO A MINIMUM AMPLITUDE OF 1/4", CLEANED AND FREE OF LAITANCE.

1. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE STEEL CONSTRUCTION MANUAL, AISC 303 AND AISC 360, LATEST EDITIONS.
2. STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS,

PLATES : ASTM-A36 OR ASTM 1011 GRADE 36
3. REMOVE ALL PAINT OR GALVANIZING BY POWER TOOL CLEANING (SSPC-SP-3 FINISH) PRIOR TO FIELD WELDING. SURFACE SHALL BE SUFFICIENTLY CLEAN TO AVOID WELD CONTAMINATION. COAT AREA WITH COLD-GALVANIZING COMPOUND AFTER COMPLETION OF FIELD WELDING.
4. WELDING SHALL CONFORM TO AISC SPECIFICATIONS. STRUCTURAL WELDING CODE AWS D1.1 AND ARE TO BE PRE-QUALIFIED UON. WELDING ELECTRODES SHALL BE CLASS E70XX UON. WELDING BETWEEN CARBON AND TYPE 304 STAINLESS STEELS SHALL ALSO CONFORM TO REQUIREMENTS OF AWS D1.6 USING ELECTRODE MATERIAL E309L.
5. WELDING SEQUENCE AND PROCEDURES SHALL MINIMIZE DISTORTION AND SHRINKAGE.

REINFORCING BAR SPLICES PER ACI 318			
f _c = 4,000 psi		f _y = 60,000 psi	
BAR SIZE	CLASS "B" SPLICE		COMPRESSION SPLICE
	TOP BARS	OTHER BARS	
#3 (10)	2'-1"	1'-7"	1'-0"
#4 (13)	2'-9"	2'-1"	1'-3"
#5 (16)	3'-5"	2'-7"	1'-7"
#6 (19)	4'-1"	3'-1"	1'-11"
#7 (22)	5'-11"	4'-6"	2'-3"
#8 (25)	6'-9"	5'-2"	2'-6"
#9 (29)	7'-7"	5'-10"	2'-10"
#10 (32)	8'-6"	6'-7"	3'-3"
#11 (36)	9'-6"	7'-3"	3'-7"

1. TABULATED VALUES ARE FOR UNCOATED BARS AND NORMAL WEIGHT CONCRETE. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12" OF CONCRETE IS PLACED BELOW THE BAR
2. TABULATED VALUES ARE FOR BARS WHICH HAVE AT LEAST ONE BAR DIAMETER OF CLEAR CONCRETE COVER AND ARE SPACED AT LEAST TWO BAR DIAMETERS; OR HAVE AT LEAST ONE BAR DIAMETER OF CLEAR CONCRETE COVER, ARE SPACED AT LEAST ONE BAR DIAMETER AND ARE ENCLOSED BY STIRRUPS OR TIES. SPLICE LENGTHS FOR BARS NOT CONFORMING TO EITHER OF THESE CONDITIONS SHALL BE INCREASED 50%.

AB	ANCHOR BOLT	LLBB	LONG LEG BACK TO BACK
ADD'L	ADDITIONAL	LLH	LONG LEG HORIZONTAL
ALT	ALTERNATE	LLV	LONG LEG VERTICAL
B.PLT	BASE PLATE	LP	LOW POINT
B/	BOTTOM OF	MAX	MAXIMUM
B/B.PLT	BOTTOM OF BASE PLATE	MC	MOMENT CONNECTION
BS	BOTH SIDES	MIN	MINIMUM
BCD	BOLT CIRCLE DIAMETER	NOM	NOMINAL
BCR	BOLT CIRCLE RADIUS	NS	NEAR SIDE
BC	BOLTED CONNECTION	NTS	NOT TO SCALE
BLDG	BUILDING	OPNG	OPENING
BM	BEAM	OPP	OPPOSITE
BOT	BOTTOM	PLCS	PLACES
BRCG	BRACING	PLT	PLATE
CHKD PLT	CHECKERED PLATE	PLTF	PLATFORM
CJ	CONTROL JOINT	PROJ	PROJECTION
CL	CENTER LINE	QTY	QUANTITY
CONC	CONCRETE	RAD	RADIUS
CO	CUTOUT	REF	REFERENCE
COL	COLUMN	REM	REMOVABLE
CONN	CONNECTION	REINF	REINFORCING
CONT	CONTINUOUS	REQD	REQUIRED
DIA	DIAMETER	SCH	SCHEDULE
DIAG	DIAGONAL	SIM	SIMILAR
DIM	DIMENSION	SLBB	SHORT LEG BACK TO BACK
DN	DOWN	SL	SHIP LOOSE
DWG	DRAWING	SPCG	SPACING
EF	EACH FACE	SQ	SQUARE
ES	EACH SIDE	SS	STAINLESS STEEL
EW/	EACH WAY	STD	STANDARD
EL	ELEVATION	SPT	SUPPORT
EQ	EQUAL	STIFF PLT	STIFFENER PLATE
EQUIP	EQUIPMENT	SYM	SYMMETRICAL
EXIST	EXISTING	THK	THICK
FS	FAR SIDE	T.PLT	TOE PLATE
FLG	FLANGE	T/	TOP OF
FTG	FOOTING	T/C	TOP OF CONCRETE
FDN	FOUNDATION	T/P	TOP OF PLATE
GA	GAGE	T/S	TOP OF STEEL
GALV	GALVANIZED	T/W	TOP OF WALL
GR	GUARDRAIL	T&B	TOP & BOTTOM
GRTG	GRATING	TYP	TYPICAL
HP	HIGH POINT	UON	UNLESS OTHERWISE NOTED
HR	HANDRAIL	UT	ULTRASONIC TESTING REQD
HORIZ	HORIZONTAL	VERT	VERTICAL
INFO	INFORMATION	VIF	VERIFY IN FIELD
INS	INSIDE	WMC	WELDED MOMENT
KB	KNEE BRACE		CONNECTION
		WP	WORK POINT

DRAWING LIST	
DWG #	TITLE
S100	GENERAL NOTES & DRAWING LIST
S101	PLAN, SECTION & DETAILS
S102	SECTION & DETAILS

[illegible]

STERLING ENVIRONMENTAL ENGINEERING, P.C.

TRANSFER STATION - PUSH WALL

130 MILLER PLACE, MOUNT VERNON, NY 10550

GENERAL NOTES & DRAWING LIST

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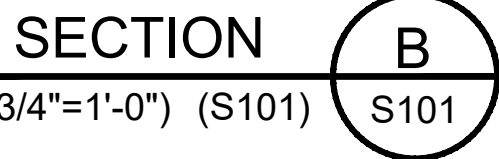
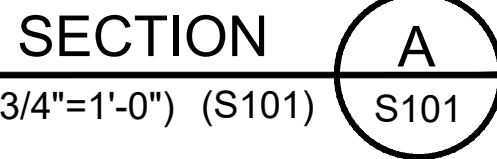


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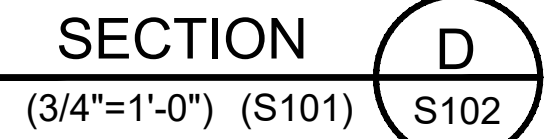
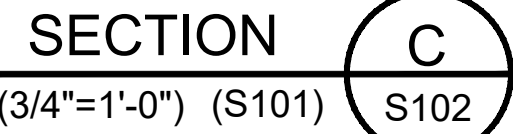
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- # NOTES:
1. FOR GENERAL NOTES SEE DWG S100
- ## LEGEND:
1. ——— EXISTING CONSTRUCTION
2. ——— NEW CONSTRUCTION
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0	ISSUED FOR CONSTRUCTION	SRK	JR	7/21/2026

**STERLING ENVIRONMENTAL ENGINEERING, P.C.
TRANSFER STATION - PUSH WALL**

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PROJECT DATA
Project No.: 3026100
Dwg No.: S102
SHT No.: