

Facility Manual

for:

56th Street Transfer Station
540 56th Street, Niagara Falls, New York

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prepared for:

56th Street Transfer, LLC
661 Main Street
Niagara Falls, New York 14301

prepared by:



ENGINEERING +
ENVIRONMENTAL

EnSol, Inc.
3000 Alt. Blvd.,
Grand Island, NY 14072
716.285.3920

ensolinc.com

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1. Introduction

1.1 Site Description

As indicated on **Sheet 1**, 540 56th Street is an approximate 4.54-acre property which is currently owned by Simfall LLC. It should be noted that this property was formerly comprised of four individual sub-lots which were recently amalgamated into one property during the Site Plan application process with the City of Niagara Falls. For reference, the four individual former lots were:

- 4800 Charles Ave., 2.5 acres, SBL 160.10-1-1
- 4802 Charles Ave., 0.24 acres, SBL 160.10-1-2
- 4803 Simmons Ave., 1.38 acres, SBL 160.10-1-3
- 4829 Simmons Ave., 0.46 acres, SBL 160.10-1-4

The current property definition is:

- 540 56th Street, 4.54 acres, SBL 160.10-1-1.1

As indicated on **Sheet 2**, the property consists of an overgrown gravel/crushed concrete surface and is largely vacant with the only current features including a small vacant building, a concrete block divider wall, and a small pile of excess concrete divider blocks. All features will be removed prior to development. The property is zoned I2 Industrial, and per Chapter 1315.2 of the City of Niagara Falls Zoning Code a solid waste management facility is permitted in an I2 Industrial district requiring only Site Plan approval. The surrounding land use is industrial/commercial including active railroad lines/spurs adjacent to the west. A residential zoning district is present in the vicinity of the site approximately 500' southeast of the proposed Facility. The project location is shown on the Regional Map included on **Figure 1**. The Vicinity Map (**Figure 2**) identifies zoning and land use, residences, surface waters, and wetlands within one-half mile of the perimeter of the property boundary.

1.2 Facility Description

The Facility will operate as a Transfer Facility in accordance with Subpart 362-3. A transfer facility is defined in Title 6 of the New York Codes, Rules and Regulations (6 NYCRR) Part 360 in paragraph 360.2(b)(276) as "... a facility that receives solid waste for the purpose of subsequent transfer to another Facility for further processing, treatment, transfer, or disposal."

The 56th Street Transfer Station (Facility) will be comprised of one main process/transfer building, a covered outdoor trailer storage area, as well as scales and a scalehouse for operations support. Activities conducted within the Facility will consist of consolidation and transfer of municipal solid waste (MSW), Construction and Demolition debris (C&D), and Single Stream Recyclables (SSR) for disposal and/or further processing. The Site Plan and Floor Plan are included as **Sheet 3** and elevations of the proposed Facility are included as **Sheet 4**.

The operation intends to adapt to meet a variety of market conditions and future opportunities, with a proposed design capacity of 950 tons per day (tpd) based on weekly average comprised of an average of 829 tpd of solid waste (MSW and C&D) and 121 tpd of all combined recyclables. The Facility will not accept medical or hazardous wastes, friable asbestos, liquids or septage, or any other unauthorized materials as defined in the regulations and this application.

All material unloading, handling, and loading activities will occur within the transfer station building. Features of the transfer station building include a steel fiber reinforced (5,000 psi) concrete floor, floor drains that are connected to the sanitary sewer system, separate handling areas for MSW/C&D and SSR,

concrete push walls in each handling area, and recessed loadout bays for outbound trailers. The Facility yard will be surfaced with asphalt pavement suitable for heavy truck traffic.

1.3 Summary of Operations

Operation of the Facility is subject to the following NYSDEC solid waste regulations:

- 6 NYCRR 360 – Solid Waste Management Facilities General Requirements
- 6 NYCRR 362-3 – Transfer Facilities

The primary activities at the Facility will include the following:

- MSW & C&D Transfer: Transfer of MSW & C&D from smaller to larger hauling vehicles for disposal at a fully permitted and approved landfill or municipal waste combustor.
- Recyclables Transfer: Transfer of the following materials to hauling vehicles for further processing at fully permitted and approved recycling facilities based upon material type.
 - SSR
 - Tires

1.4 Service Area

Materials delivered to the Facility are expected to be collected in Niagara and Erie Counties. Market conditions, material availability, contracts and other economic factors will govern the actual limits of the service area.

2. Description of Operations

2.1 General

The Facility operation intends to adapt to meet a variety of market conditions and future opportunities. The proposed design capacity of the 56th Street Transfer Station is 950 tons per day (tpd) based on a weekly average. Based upon 306 operating days per year the annual maximum design capacity is approximately 290,700 tons per year (tpy) comprised of:

- MSW, including putrescible materials with a loose density estimated at 500 pounds per cubic yard (pcy)
- C&D with a loose density estimated at 1,500 pcy.
- SSR with a loose density estimated at 160 pcy.
- Tires with a loose density estimated at 200 pcy.

The Facility will not accept medical or hazardous wastes, friable asbestos, liquids or septage, or any other unauthorized materials. Unacceptable waste is discussed in Section 4, Waste Control Plan. Calculations determining the storage volumes and processing capabilities for each material are discussed in further detail in the Engineering Report.

2.2 Schedule of Operation

The proposed hours of operation for the Facility are from 7:00 am until 10:00 pm, Monday through Saturday. Inbound and outbound waste trucking, and on-site equipment operation will cease by 5pm each day with the remaining hours (5p-10p) available for maintenance activities such as tipping floor washing, litter pickup, inspections, etc. The Facility will be closed on Sundays and all major holidays including New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. During normal operating hours (7a-5p), the Facility will be open to receive and transfer waste. Staff will be onsite to perform any appropriate and necessary site or operational maintenance activities during non-peak operating hours and/or during the hours of 5p-10p. A sign indicating the hours of waste acceptance and transfer will be posted at the Facility entrance gate to the site. Facility start up and shutdown procedures are described in Section 3.1 of this Manual.

The Facility will be kept staffed, clean, neat and organized at all times. While normal operating hours are outlined above, staff will also be onsite, typically an hour before and after operational hours on any given day to perform regular opening or closing duties, and any appropriate maintenance activities. During holidays or inclement weather, collection routes may run at a delay which may push operating hours into a Saturday. Therefore, the Facility's operational hours will be subject to change under these circumstances which will affect the operational hours accordingly. Extended waste acceptance and transfer hours (for project-specific needs) will be with NYSDEC and City approval.

2.3 Process Equipment

The Facility will maintain sufficient process equipment to conduct material handling and transfer operations. This process equipment includes:

- Excavator with trash grapple (1);
- 22 Ton, 53-foot-long walking floor transfer trailers, (as needed);
- Wheel loader with 4-cubic yard bucket (1);

- Low-Profile Motor inbound and outbound truck scales (2); and,
- Yard Goat Semi-Tractor.

The Facility Operator will rent or lease equipment from local vendors where appropriate when onsite equipment is being serviced or is otherwise not available. Additionally, where a specific equipment need is identified, the Facility Operator may rent, lease or purchase the equipment from area vendors.

Equipment operators will be responsible for ensuring that equipment is routinely inspected and maintained in accordance with manufacturer's recommendations for safe operation. Equipment manuals will be provided to operators. All equipment will be equipped with mufflers where applicable. At minimum, the truck scales will be inspected and tested for accuracy on an annual basis. Re-calibrations will be performed as needed by contractual agreements with a calibration company.

2.4 Delivery, Measurement and Inspection of Waste

Materials will arrive at the Facility in roll-off trucks, front, rear and side loaders, dump trucks, pickup trucks, and trailers. Inbound vehicles will be weighed at the inbound scale. For the waste to be accepted, all transport vehicles entering or existing the Facility must be tarped or the waste containerized or otherwise adequately secured to contain waste and liquids within the vehicle.

Upon arrival at the Facility scales, each load will be visually inspected by Facility personnel either via an initial visual inspection at the scale or as a floor inspection immediately upon delivery to the tipping floor. Unauthorized loads will be rejected and removed from the site by the generator/transporter. Upon receiving authorization, loads will be directed to the tipping floor for unloading. Refer to Section 4, Waste Control Plan, for additional details of waste inspection procedures.

MSW/C&D and SSR handling will be segregated to prevent co-mingling of the materials. Outbound vehicles and containers will be weighed again at the outbound scale to establish material weights. The weights will be recorded in tons. The inbound and outbound scales shall be operated from within the scalehouse.

2.5 Daily Traffic Flow

The estimated maximum daily traffic flow to and from the Facility includes 260 vehicle trips per day. The vehicle trips consist of 90 inbound light trucks (35-foot-long roll-off container trucks, front and rear packers, pickup trucks and trailers) with an average capacity of 12 tons per load, and 40 outbound heavy trucks (transfer trailers) with an average capacity of 25 tons. In addition, 10 employee and visitor trips per day using personal vehicles are estimated for the Facility. There is enough space at the Facility to stage the entire expected peak hourly truck traffic. Trucks that cannot be accepted at the tipping floor or the loading bays will queue within the western portion of the site. Complete details of site traffic load calculations are included in the Engineering Report.

2.6 Material Handling and Storage

2.6.1 MSW/C&D

Four inbound overhead doors allow access to the tipping floor for unloading of inbound materials. All material unloading, handling and loading activities will be conducted within the enclosed building. Outbound transfer trailers will be loaded within the two recessed loadout bays on each side of the MSW/C&D Transfer Area.

Outbound material will be top loaded into the transfer trailers by the loader, and excavator with grapple for transport to the disposal or processing facility. The loaded transfer trailers shall be weighed at the outbound scales prior to final off-site transport.

The tipping floor shall be cleared and cleaned at the end of each operating day. All putrescible waste shall be removed from the Facility by the end of the next business day after the transfer container becomes full or within seven calendar days of receipt, whichever comes first. Unprocessed C&D waste shall not be stored for a period greater than 30 days. In the event it is too late for a filled trailer to deliver waste to a permitted solid waste disposal facility the trailer shall be parked in the outdoor covered trailer parking area.

Normal Facility operations are not anticipated to create any residue materials beyond the intended transfer of MSW/C&D, recyclables, and recovered C&D.

2.6.2 Recyclables

All recyclables processing will take place within the enclosed building. Recyclables shall be delivered to the tipping floor within an enclosed area separate from the MSW/C&D transfer operations (see Materials Storage section for additional details). Recyclables shall not be stored onsite for greater than 180 calendar days unless otherwise approved by the NYSDEC. SSR will be directly loaded to outbound trailers within the sunken loading bay once enough material is accumulated to fill a trailer. Loaded trailers of recyclables may be temporarily stored in the outdoor covered trailer parking area prior to final off-site shipment provided that the total onsite storage time does not exceed 180 days. Any incidental putrescible waste received within recyclables loads shall be brought to the MSW/C&D transfer operations daily.

2.6.3 Materials Storage

A moveable block-wall barrier will be placed on the tipping floor for separation of MSW/C&D and SSR materials. This wall may be moved to adjust the dedicated tipping floor space for each set of materials as-needed based on incoming volume. Normal operations are anticipated to consist of accepting MSW through two of the four inbound overhead doors and C&D and SSR will be accepted via one each of the remaining two inbound overhead doors. All inbound materials shall be loaded into outbound transfer trailers within the recessed loadout bays by a front wheel loader or excavator with grapple.

As presented in further detail within the Engineering Report the Facility has a maximum storage capacity of 4,273 cubic yards or 1,244 tons at the assigned incoming waste breakdown and material density values. The indoor tipping floor storage capacity subtotals are 3,373 cubic yards or 1,112.33 tons and the outdoor covered trailer parking area subtotals (for six full trailers) are 900 cubic yards or 132 tons.

2.6.4 Waste Transporting Vehicles

All outbound vehicles leaving the Facility containing waste will be equipped with tarping systems which provide a waterproof cover. All loaded trailers staged in the trailer parking area will be individually tarped while being stored overnight. All vehicles transporting solid waste shall not allow particulates, fluids, leachate, or other matter to escape. Vehicles transporting solid waste from the Facility shall include a leak resistant walking floor system. No vehicle transporting waste shall exceed 102 inches in width. All vehicles transporting solid waste shall have the following information on both sides and the back of the vehicle at a height, size and color to be fully visible:

- Owner of vehicle.
- Vehicle number.
- Phone number for citizen complaints.

2.6.5 Residential Drop-Off Area

For safety reasons, and per 360.19(c)(7), a separate “residential drop-off” area will be provided to isolate City of Niagara Falls residents from the regular waste vehicle traffic. This area will consist of two 30-yard roll-off containers: one for MSW, and one for C&D. Pickup trucks or other single axle trucks can pull up and relatively easily unload approved waste materials to the roll-offs. The containers shall include lockable UV protected polyethylene covers. The residential drop-off shall be opened at select times and dates with an attendant on duty for proper waste screening. When used, all containers shall be emptied daily by depositing materials on the MSW/C&D tipping floor for further consolidation into transfer trailers.

2.7 Unauthorized Materials

If unauthorized materials are identified in the material stream(s) after loads have been tipped, such unauthorized materials will be temporarily stored in the rejected or unauthorized material storage area as shown on the Floor Plan and handled separately.

Procedures for handling unauthorized material are discussed in the Waste Control plan (Section 4) and the Contingency Plan (Section 6).

2.8 Onsite Roads

Onsite roadways and parking areas are paved, which significantly reduces creation of dust. Surfaces will be maintained to minimize dust generation. A sweeper truck will be used on an as-needed basis to clean the pavement. Such activities will be performed after the facility is closed but before 10pm. The site is graded to help ensure that storage and vehicle access areas are free of standing water.

2.9 Water Supply/Sanitary Facilities

Water will be supplied to the Facility via a new connection to the existing water main along 56th Street. Water for fire control will be obtained from two existing hydrants on the western shoulder of 56th Street. Sanitary facilities will be available inside the building and the scalehouse. The sanitary facilities will be gravity drained to the existing combined sewer line along the western shoulder of 56th Street.

2.10 Leachate Management

The potential for generation of leachate is minimized as all unloading and processing operations are conducted inside the fully enclosed building and storage of materials with potential for leachate generation is either within the fully enclosed building or in loaded and covered trailers within the covered outdoor trailer storage area.

Leachate generated at the Facility is expected to primarily be derived from precipitation gathered on trailers, incidental liquid contained within materials received within the building, and floor wash water. Drainage inside the building is directed toward indoor floor drains on the tipping floor and catch basins within the loadout bays. Drainage underneath the covered outdoor trailer storage area is directed towards a catch basin. See **Sheet 3** Site Plan for a depiction of the drainage system. The combined drainage from the building and covered outdoor trailer storage area will convey collected liquids through an oil/water separator prior to final discharge to the City’s combined sewer system. Any oil collected by the oil/water separator will be removed via vac-truck for offsite disposal by a third-party service on an as-needed basis. This leachate collection and management system ensures that any leachate generated either within the building or from loaded trailers within the outdoor covered trailer storage area is adequately contained and properly treated for disposal.

2.11 Fire Protection

“No Smoking” signs are posted in several areas. Smoking is permitted only in designated areas. Burning of materials is not permitted at the Facility.

General purpose ABC fire extinguishers are inspected annually by a licensed vendor and serviced or recharged when necessary.

Site access routes are maintained to allow unrestricted movement of site vehicles and emergency response equipment. Procedures to follow in case of a fire are described in Section 6.0 Contingency Plan.

2.12 Control of Litter, Vectors, Insects, Noise and Odors

2.12.1 Litter

The primary means of litter control at the Facility will be to perform material handling and processing activities inside the building. All material transport vehicles entering or exiting the Facility must be tarped or otherwise adequately covered in order to contain material within the vehicle. A litter fence will be installed around key areas. The Facility grounds, perimeter and entrance/exit will be inspected daily for litter, which will be collected and disposed.

2.12.2 Vectors

Based upon feedback from the City of Niagara Falls regarding the previously existing rodent population in the vicinity of the Facility, a permanent pest control program consisting of poison and/or traps will be initiated immediately upon Facility opening. If needed, rodenticide shall be applied by a New York certified commercial pesticide applicator. Additionally, wastes will be handled in a manner that will reduce the attraction of vectors the Facility. Storage areas will be properly drained and swept weekly. At minimum, the tipping floor area will be swept on a daily basis at the end of the day. Putrescible wastes will be loaded into covered trailers prior to transport from the Facility. Signs of vector habitat will be checked during regular self-inspections.

2.12.3 Noise

Noise levels at the Facility will conform to the requirements of 6 NYCRR 360.19(j) as detailed in the Engineering Report. Most of the site equipment will be operated within the building. Internal combustion engine equipment used at the Facility will be equipped with mufflers. Waste Facility operations equipment will not be operated before 7:00 a.m. or after 10:00 p.m.

2.12.4 Odors and Dust

Material handling will take place inside the building, reducing the potential for dusty conditions at the site. Control of odors and dust will primarily take place inside the Facility building and includes cleaning indoor material handling areas on a regular basis. Odor neutralizers and deodorizers including barrel misters will be used if needed to control any short-term problems. Facility doors shall be kept closed except when vehicles are entering or exiting buildings. If odor issues continue to persist an air purification system shall be installed.

Dusty conditions in traffic areas are not anticipated due to limited onsite travel and low speeds. Exhaust odors from heavy equipment and trucks will be minimized by limiting idling engines in accordance with current regulatory idling restrictions. Burning of materials is not permitted at the Facility. Mechanical street sweeping equipment or misting equipment shall be used as a contingency if dusty conditions persist.

2.12.5 Complaints

Any complaints received by the Facility about its operation will be documented with a description of the action taken to alleviate the concern and the results of the action. A complaint and odor control phone number shall be posted on the Facility entrance sign, and on waste transport vehicles. The phone number will be monitored or have a recording during off hours. A log of phone calls and the actions taken in response to complaints will be maintained and available for review. Complaint documentation will be available for review by the NYSDEC and the City of Niagara Falls upon request.

2.13 Inspections

The Site Manager (or designee) will perform regular self-inspections of the Facility daily as required by subdivision 360.19(e). All stormwater management controls will be inspected and maintained to ensure that they function effectively. Signs of vector habitat will be checked. A Site Inspection Form is included as **Attachment 1**. The results of the inspections will be recorded and kept on file at the Facility.

The Site Manager is also responsible for ensuring that regular safety and equipment inspections are performed.

Inspection logs and forms will be retained for a period of seven years as required by subdivision 360.19(k).

Unannounced entry to the Facility by Department personnel or the City of Niagara Falls building inspector shall be allowed during normal business hours. Department personnel and the City building inspector shall have full authority to inspect the entire operation and Facility to determine compliance.

2.14 Maintenance and Best Management Practices

The roads and grounds of the Facility will be maintained in good condition to control litter and dust emissions. Onsite roads will be kept passable. During the winter months, snow and ice will be removed from roads, parking areas and ramps as needed. The removal of all waste passing through the Facility will comply with the timeframes specified in 6 NYCRR Part 360.

The tipping floor area shall be swept at the end of each operating day. Drainage features shall be routinely inspected and cleaned as necessary to ensure that there is no standing water. Maintenance activities shall be recorded in the Facility maintenance log. Maintenance for the Facility shall be performed on an as-needed basis.

2.15 Environmental Monitoring

Environmental monitoring at the Facility will focus on the potential for surface water impacts. Required stormwater sampling will be performed in accordance with the Facility's SWPPP. Environmental monitoring samples of any kind must only be analyzed by laboratories that are certified to perform the required tests or analyses by the New York State Department of Health Environmental Laboratory Approval Program (i.e. ELAP certified laboratories).

2.16 Salvaging

Salvaging (the incidental removal of solid waste for reuse under the control of the Facility owner or operator) by non-Facility staff is not permitted in any area of the Facility.

2.17 Fuel

The Facility will contract with a fuel-supplier to provide fuel for onsite vehicles and equipment. Fuel deliveries will be authorized and supervised by the Site Manager.

3. General Facility and Personnel Management

3.1 Facility Startup/Shutdown

The front entrance gate is kept locked during non-operating hours. At the beginning of each workday, the gate is unlocked. Employees are required to report to the Site Manager at the beginning of each shift to receive work instructions. Appropriate safety clothing/gear will be donned before work begins. Equipment will be checked for necessary maintenance before it is operated. Facility maintenance personnel will be contacted to perform needed maintenance or repairs.

At shutdown, equipment will be properly turned off and stored in a safe manner. Employees are required to notify the Site Manager before they leave at the end of the day.

3.2 Communication

Communication within the Facility will be by two-way radio/telephones and personal cell phones. Management personnel are equipped with two-way radio/telephones for onsite communication. Other communication is conducted through face-to-face interaction.

3.3 Staffing Plan

The Facility staff will consist of the following designated employees:

- Site Manager
- Assistant Manager
- Equipment Operator
- General Laborers/Mechanic

Additional staff will be hired as necessary. Only properly trained personnel will be used.

3.4 Personnel Responsibilities

Listed below are the general duties that personnel will perform at the Facility.

3.4.1 Site Manager

The Site Manager is responsible for ensuring that the Facility is operated in compliance with all permits and applicable federal, state and local rules and regulations. The Site Manager is the point of contact with NYSDEC. The Site Manager also performs or delegates the duties of Safety Director/Emergency Coordinator and SWPPP Manager.

3.4.2 Assistant Site Manager

The Assistant Site Manager shall aid the Site Manager in their duties and function as Site Manager when the Site Manager is not present.

3.4.3 Equipment Operator

Equipment Operators are responsible for operating all equipment used for transfer and processing of material at the Facility. Operators perform inspections of waste as it is unloaded to determine its acceptability. Equipment Operators are responsible for completing daily equipment inspections and ensuring that equipment is routinely maintained for safe operation.

3.4.4 Laborer/Mechanic

A Laborer will primarily help sort material into the appropriate storage area or container and assist the Equipment Operator in day-to-day operation of the Facility. Laborers perform housekeeping duties and help ensure the Facility is operated safely. A Laborer's duties include (but are not limited to) directing vehicles, paper-picking, grass cutting, sweeping, snow shoveling, and office cleanup.

A Mechanic will be responsible for general maintenance and repairs of fleet vehicles. Complex repairs requiring specialized equipment or knowledge may be subcontracted out to a third party.

3.5 Personnel Safety

Personal safety equipment provided by the Facility includes reflective vests, gloves, eye goggles, face shields, dust masks, hearing protection and hard hats. Safety shoes are to be worn by all personnel while within the Facility. First aid kits will be kept at multiple locations within the Facility for easy access. All safety equipment and protective gear is to be inspected and inventoried on a regular basis. All employees will be required to become familiar with the Facility's health and safety policy as part of their training. The health and safety policy shall be published in a language other than English for employees whose primary language is not English. A copy of the health and safety policy and Emergency Response Plan shall be provided to the City of Niagara Falls Fire Department.

3.6 Personnel Training Program

The Employee Training Program provides personnel with a structured and organized instruction program related to their assigned duties, relating to both routine and emergency operating conditions. This training program includes notifications of Facility operating requirements, instruction in waste management procedures, as well as inspection and maintenance procedures, emergency response procedures and the proper use of personal protective and emergency equipment. Employees will be required to affirm that they have received the Facility Manual and understand its contents. The Facility Manual and the health and safety policy will be available to employees at the office.

3.6.1 Introductory Training Outline

An Employee Training Program Outline is included in **Attachment 2**. When hired, personnel will be given a tour of the site and familiarized with Facility operations. Equipment operators will receive the training needed to safely operate equipment used at the site. A formal training and orientation program will be mandatory for new employees. The training program will include the following:

- Instruction regarding the applicable regulatory and reporting requirements for the Facility.
- An introduction to the layout of the Facility and its material handling and management methods.
- An overview of the contents of the Facility Manual.
- An overview of the safety concerns associated with the materials accepted and the equipment utilized onsite.
- Instruction in required inspection and maintenance procedures.
- Instruction on the use of safety and emergency response equipment.

- An overview of the emergency response procedures as presented in the Contingency Plan (Section 6.0), and the specific function of each employee during the implementation of Contingency Plan requirements.
- Training for the employee's specific work duties.
- A discussion on the importance placed on environmental responsibility, personal safety and protection by senior management.

In addition to individual training, Facility-wide training programs will be implemented in cases where specific needs are identified.

3.6.2 Training Strategy and Approach

All new employees hired to work at the Facility will be trained. As part of the introductory training efforts, each new employee will be provided with a Facility orientation. An explanation of the relationship between the employee's position and the operation of the Facility will be provided. This will include a discussion of the site operations and an overview of the nature of the overall site activities from environmental stewardship, solid waste handling, and safety perspectives.

The importance of preventive and routine inspections and maintenance will be stressed, with particular emphasis placed on those tasks and duties the employee will perform in the position or role to which they are assigned. The employee will be informed about and shown the location of the emergency and safety equipment available at the Facility. The employee will be scheduled for subsequent instruction in the use of any equipment requiring special training. Employees will also be informed about the procedures for responding to emergency situations, including a fire and/or explosion, spill incident or medical emergency. A personal copy of the Facility Manual and any other appropriate site related document will be made available to any employee on request.

All Facility employees shall, at minimum, complete the OSHA 10-hour General Industry training. The employee will be instructed on the proper use of any personal protective equipment (PPE) required for completing assigned tasks. The employee will be reminded of and shown the location of all emergency response equipment and will be instructed on its use. The employee will be introduced to the communication system for both internal and external emergency notification. The employee will be questioned on the information pertinent to them as contained in the Facility Manual. At the completion of this instruction session, the Site Manager and employee will complete an Employee Training Documentation Sheet, included in **Attachment 2**, which will be maintained in the employee's personnel file.

All employees will receive awareness training on confined space entry; specifically, the dangers of confined spaces and how to recognize a confined space. The Facility's policy shall be restrictive as to who may enter a confined space. Employees selected for confined space entry work will receive additional specialized confined space entry training as required by 29 CFR 1910.120(b)(4)(ii)(I).

3.6.3 Inspection and Maintenance Procedures

Each employee based at the Facility will be educated in the importance of both the preventive and routine maintenance inspections that are conducted. The training will stress that each employee be constantly aware of problems that could potentially occur with the equipment used and the activities performed. The employees will be trained to perform all inspections required for the equipment to be operated, with the objective that if any problems are encountered, the employee will be able to easily recognize the problem and take appropriate and timely action. Employees directly involved in the waste receiving and handling

aspects of the operation will be instructed on the proper handling of each type of waste, including the practical implementation of applicable regulatory guidelines. Emphasis will be placed on waste identification and safe and proper waste handling procedures.

Employees will also be educated in inspections procedures for proper fuel handling and equipment fueling procedures to help prevent spills or other incidents. The Site Manager and equipment operators will receive additional training regarding the identification of unacceptable wastes, especially including the appropriate actions to be taken in the event unauthorized waste is received. Safety and first aid equipment inspections will be given special attention during the employees' instruction, highlighting the importance of maintaining all site safety and first aid equipment in good working condition. Procedures will be outlined for reporting any equipment defects or deficiencies the employee may find, or when first aid supplies are low.

3.6.4 Emergency Response Procedures

Each employee will be trained in the proper and effective response procedures to potential emergency situations that may occur at the site, as outlined in the Contingency Plan. Individuals will be informed of the correct notification procedures in the event of a fire, explosion and/or release incident, including:

- Initiating the internal notification system.
- Notifying the Emergency Coordinators as identified in the Contingency Plan.
- Evacuating the area, if required.

Employees will be advised of the steps to be taken by the Emergency Coordinator to continue the notification process, including the notification of fire and police departments, medical assistance, and state and local emergency response teams. An explanation of the Evacuation Plan for the Facility as presented in the Contingency Plan will be provided. Specific conditions will be described under which any area should be evacuated.

Control measures for possible incident occurrences will be explained, detailing precautions to be taken and remedial techniques that can be used. This training will focus on how to effectively utilize readily available equipment and materials at the site to help control an incident. In conjunction with incident control measures, instructions for the proper use of all available firefighting, first aid and safety equipment and materials will be provided.

During group and individual instruction sessions, employees will be provided every opportunity to ask questions about the Facility emergency response procedures. This will focus on the use of available emergency and safety equipment, to help ensure each employee develops a clear understanding of the actions that should be taken in an emergency incident.

3.6.5 Management/Supervisor Training

At a minimum, employees responsible for managing or supervising Transfer Station activities are required to attend the 40-hour course in Personal Protection and Safety Training in compliance with OSHA Standard 29 CFR 1910 and SARA Section 12(d). Employees who have attended the 40-hour course also receive annual eight-hour refresher classes if it is appropriate with respect to their functional responsibilities.

3.6.6 Equipment Operator Training

Equipment operators shall receive specific training regarding the equipment they will operate. An outline of the equipment operation training program is listed below:

- The Operator's Manual for each equipment to be operated.
- Proper methods of fueling, maintenance, and lubrication as required by the manufacturer.
- Pre-start procedures, which include proper safety checks.

- Starting and warming up the machine.
- Proper operational procedures, which include use of all controls.
- Demonstration of travel maneuvers necessary for traveling the Facility.
- Proper hook-up of equipment and attachments that may be used with the machine.
- Operation of the equipment with various attachments.
- Proper shut-down procedures.
- Proper transportation and load securement procedures.
- Proper personal protective equipment.

3.6.7 Onsite Contractors

All Onsite Contractors shall be provided the applicable Facility Documents, health and safety plan, and Contingency Plan prior to working onsite, and shall sign-off on the orientation safety sheet(s) included in **Attachment 2**.

3.6.8 Annual Refresher Training

Refresher training will be held annually for all Facility staff. This training can be relatively informal. The main purpose of the training will be to discuss any problems, changes in the operation, or operations that are inconsistent with this manual. Records of attendance will be kept in the scalehouse.

3.6.9 Recordkeeping

Documentation of the training provided to each employee will be maintained in each employee's personnel file at the office, and this documentation will be periodically updated as the training efforts continue. The documentation will consist of the Employee Training Documentation Sheet (**Attachment 2**) which includes a description of the type of training or instruction, basic information regarding the employee receiving the instruction, the instructor and the dates of completion. This form also serves as a record that the instruction was given and successfully completed by the employee.

3.6.10 Training Program Evaluation

The Employee Training Program will be evaluated periodically to determine the need for improvements or revisions.

4. Waste Control Plan

The Waste Control Plan has been developed in accordance with subdivision 360.19(c) and subparagraph 360.16(c)(4)(i) to help ensure that only materials authorized by the NYSDEC permit are accepted and processed at the Facility. This program consists of monitoring incoming wastes destined for disposal, staff training, customer notification, and a planned response if unauthorized waste is delivered to the Facility. Process flow diagrams for each waste type are included in the Engineering Report.

4.1 Inspection

In order to detect and prevent the disposal of unauthorized wastes at the Facility, Facility personnel will inspect each incoming load. Personnel may refuse to accept a suspicious load of waste. The Site Manager will maintain a log of rejected waste loads.

4.2 Unauthorized Waste

The Site Manager, equipment operators and laborers will be primarily responsible to help ensure unauthorized waste is not accepted at the Facility. Employees will be taught about the types of waste that are acceptable and not acceptable for disposal. A sign listing materials prohibited at the Facility will be posted at the entrance gate.

Wastes unacceptable and/or prohibited from acceptance at the Facility include the following:

- Source separated yard trimmings and tree debris;
- Regulated hazardous waste as defined in 6 NYCRR Part 371;
- Regulated medical waste as defined in 6 NYCRR Part 364;
- Friable asbestos;
- Radioactive waste as defined in 6 NYCRR Part 382;
- Intact metal or plastic drums larger than 10 gallons that have not been crushed and at least one end removed, or have not been shredded;
- Any container that has held hazardous waste and is not empty according to 6 NYCRR 371.1(h);
- Mercury-added thermostats as defined in 6 NYCRR Part 360.16;
- Liquids;
- Appliances containing refrigerants;
- Any industrial or commercial liquids, sludges or slurries;
- Any industrial or commercial powders, dusts;
- C&D from a site being remediated pursuant to a program administered by the NYSDEC or the EPA unless approved by the NYSDEC or the EPA;
- Fill materials as defined by 6 NYCRR Part 360.13, and;
- Electronic waste.

In specific accordance with Part 360.19(c)(v)(a), regarding electronic waste, electronic waste is specifically listed as a prohibited item on the facility entrance sign and written information educating all potential users of the facility on the proper methods of recycling electronic waste will be maintained on site to be provided to users of the facility on an annual basis/upon request. This written information is provided as **Attachment 3**.

4.3 Authorized Materials for Disposal or Recycling

Materials that will be accepted at the Facility for transfer to either off-site disposal or processing facilities include only the following:

- Municipal Solid Waste (MSW)
- Construction and Demolition Debris (C&D) – {excluding specific C&D materials identified in Sect. 4.2}, including;
 - Unadulterated Wood
 - Metals
 - Concrete, Asphalt, Rock, Brick
- Single-Stream Recyclables (SSR)
- Tires

The proposed design capacity of the 56th Street Transfer Station is 950 tons per day based on a weekly average (tpd)/approximately 290,700 tons per year (tpy). The Engineering Report details the type and quantity of materials that are expected to be accepted at the Facility, including projected average daily and annual quantities for each type of material expected.

Recyclable transfer activities will be performed separately in the designated area of the Facility in accordance with the requirements for a Recyclables Handling and Recovery Facility. Calculations determining the storage volumes and processing capabilities for each material are discussed in further detail in the Engineering Report.

4.4 Material Suppliers and Destination Facilities

Prior to initial startup, the Facility will enter into contractual agreements with suppliers (not including residential and small contractor customers) to ensure that only the materials identified above will be accepted. Sample contractual agreement language requiring commitments to only deliver authorized materials is included as **Attachment 4**.

Materials transferred through the transfer station will be transported only to NYSDEC-permitted off-site destinations for disposal or further processing. Any appropriate NYSDEC-permitted off-site facility may be used but facilities currently identified for final disposal or further processing, by material type, are summarized as follows:

- MSW and C&D – WM Chaffee, Casella Hyland, or Chautauqua County landfills
- SSR – Casella Ontario, or Modern Buffalo Recycling sorting facilities.

4.5 Radioactive Waste Detection Plan

As MSW will not be transported out of New York State a fixed radiation detection system (in compliance with subdivision 362-3.5(e)) and related Radioactive Waste Detection Plan are not required.

4.6 Handling of Unauthorized Material

If unauthorized material is delivered to the Facility, it will be managed in accordance with applicable regulations and disposed of by an organization authorized to do so. Employees will be trained to identify, detect, and prevent the acceptance of unauthorized wastes. Facility, personnel will inspect all incoming loads, and may refuse to accept a suspicious load of waste without further inspection of the load.

Unauthorized material will be removed from the Facility within seven days after receipt. The following protocol is to be followed in the event unacceptable or unauthorized material is received:

- 1 The employee observing the incident will notify the Site Manager immediately. The employee will note the hauler of the suspect material and, if the material has not been unloaded, the load may be refused; otherwise, the material will be isolated to avoid contamination of acceptable materials. The designated unauthorized material staging area will be maintained in a manner that will prevent leakage and/or contamination of the environment. The Site Manager will contact the Regional NYSDEC Office immediately in case of unauthorized material requiring response or removal.
- 2 The Site Manager will record the incident in a logbook that is kept onsite. Pertinent facts regarding hauler identification and origin of the material will be recorded. An Unauthorized Material Tracking Form is included in **Attachment 5**.
- 3 The Site Manager will arrange for disposition of the material according to NYSDEC approved procedures. The NYSDEC will be notified of each incident in the Facility's annual report.
- 4 If regulated medical or hazardous waste is discovered at the Facility, the NYSDEC will be verbally notified within 24 hours of receipt of the waste and notified in writing within seven days. A final report closing out the incident will be sent to the NYSDEC Regional Office within seven days of the final action.

4.7 Training

Facility personnel will be trained to recognize, remove and report unauthorized wastes. Formal training for this situation is part of the ongoing employee training program, as required by subdivision 360.19(c)(3). Employees involved in the receipt, transfer and handling of waste will be trained in the procedures for controlling the flow of waste and the identification, handling and reporting of unauthorized waste.

4.8 Customer Notification

Notification will be sent to the Facility's commercial customers advising them of authorized wastes and waste preparation practices. When unauthorized wastes are received at the Facility the customer will be notified of the infraction.

5. Records, Recordkeeping, and Reporting

5.1 Facility Records

The maintenance of complete and accurate records is important for efficient and orderly Facility operation. The following types of records will be kept onsite to document the operation and management of the Facility:

- Records documenting the quantity, origin and type of material received at the Facility.
- Records documenting the quantity, destination, and type of material leaving the Facility.
- Records of handling of unauthorized waste.
- Self-inspection logs.
- Training records.
- Maintenance and equipment checklists, schedules, and performance records.
- Emergency incident reports.
- Safety and accident reports.
- Community complaints and,
- Records and data used to develop or support the Solid Waste Facility Permit Application, including any supplemental information required to comply with state or local regulations pertaining to the operation of the Facility, including all special conditions of the permit.

These records will be kept at the Facility office. Records pertaining to the operation of the Facility are required to be kept for seven years from the date they are made or required to be made, whichever is latest.

5.2 Waste Characterization Surveys

A survey will be performed each calendar quarter to assess the type and quantity of material that is being brought to the site.

Vehicles will be randomly selected, and samples will be collected from a randomly selected portion of each load. The samples will be approximately 200 to 300 pounds of waste which will then be separated into the following classes: Paper, Plastic, Glass, Metal, C & D, Organic, and Textiles.

Each material class will be hand sorted and weighed separately and recorded on the Waste Characterization Survey Form included in **Attachment 6**. A portable floor scale will be utilized to record the weights of the materials and the materials will be separated into designated buckets.

The intended purpose for obtaining these reports would be for planning and/or evaluating performance and efficiency of the Facility.

5.3 Annual Report

An Annual Report required by paragraph 360.19(k)(3) will be submitted to the Department by March 1st following each year of operation on forms provided by the NYSDEC. Annual reports shall be submitted to both of the following:

- NYSDEC Region 9
Attn: Regional Materials Management Engineer
700 Delaware Ave.
Buffalo, NY 14209

SWMFAnnualReportR9@dec.ny.gov

- NYSDEC Central Office
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway, 9th Floor
Albany, NY 12233
SWMFAnnualReport@dec.ny.gov

5.4 C&D Tracking

The Facility will not be receiving fill materials which would require tracking in accordance with 6 NYCRR Part 364-5.1.

6. Contingency Plan

The Facility Contingency Plan describes actions to be taken during an emergency. The following are examples of emergencies:

- Fire
- Explosion
- Spill
- Air release
- Power failure
- Adverse weather

Topics discussed include local arrangements for emergency response, designation of an emergency response coordinator, emergency equipment, emergency reporting and evacuation plan. Good housekeeping practices will also help ensure that contingency measures or corrective actions will not be required. However, this Plan has been developed to respond to non-normal operating conditions or situations that may be encountered during the life of the Facility. As part of the Employee Training Program, employees will be familiarized with this Plan. A copy of this Plan will be available in the office and scalehouse. Emergency phone numbers shall be conspicuously posted in the office and scalehouse. New employees will be advised of emergency procedures at the time of hire.

Unauthorized Material

Unauthorized material handling procedures are discussed in the Waste Control Plan, Section 4.0.

6.1 Fire Protection

Wall-mounted, general-purpose ABC fire extinguishers are placed at several locations in the building. Fire extinguishers are also located near the equipment in the outdoor storage area. Two hydrants are located along 56th Street in front of the Facility.

The Niagara Falls Fire Department provides fire protection for the Facility.

- Niagara Falls Fire Department: 911 or (716) 286-4720

The Facility will familiarize the fire department with the Facility and its operations. The fire department will be provided with the Facility layout, evacuation plan and the contact telephone numbers for the Safety Director/Site Manager.

6.2 Ambulance/Paramedics/Hospital/Police

All Police, Fire or Ambulance emergencies: 911

The closest hospital is **Niagara Fall Memorial Medical Center:**

[Phone:](#) (716)-278-4000

[Address:](#) 621 10th Street, Niagara Falls, NY 14302

Police protection is provided by the Niagara Falls Police Department. The Police Department will be provided with the names, phone numbers and addresses of individuals who can be contacted in the case of a police matter.

6.3 Facility Safety Director

The Facility Safety Director:

- **Safety Director:**
John B. Battaglia, P.E.
Cell Phone: 716-570-1295

The Safety Director is responsible for explanation of and compliance with company policy regarding emergency procedures to employees. The Safety Director can also perform the duties of Emergency Coordinator (EC).

6.4 Emergency Coordinator

The Emergency Coordinator's telephone numbers will be provided to the responding fire, ambulance and police services in the event of an off-hours emergency.

6.5 Emergency Equipment

Wall-mounted, general-purpose ABC fire extinguishers are placed at several locations in the site buildings. Scheduled fire extinguisher maintenance will be performed at regular intervals by a licensed vendor. Spill containment materials are located in the building. A loader is available to assist in emergency response efforts. Additional materials and equipment maintained onsite for emergency situations include water hoses, sand buckets, empty drums, brooms and shovels. First aid supplies are maintained in the office in the event of a personal injury.

6.6 Emergency Reporting

In the event of an emergency, including but not limited to fires, explosions or onsite spills, the NYSDEC Regional Materials Management Supervisor (716-851-7220) shall be notified verbally by phone of the emergency within 24 hours of discovery, or on the next business day. The details of the incident and the remediation or corrective action taken shall be fully described in writing to the RSME within five working days of the event.

The Safety Director will keep a record of incidents requiring emergency procedures and of injuries requiring first aid or further medical attention.

6.7 Evacuation Plan

The evacuation procedure will be explained to employees as part of the training plan.

Evacuation of the building during an emergency will be primarily through the overhead doors on the north side of the building. The doors are normally open during business hours and clearly visible and accessible from any location in the building.

The Emergency Coordinator will be responsible for verbal notification of all employees within the Facility that evacuation is necessary. All employees will meet at the front gate, which is marked with a sign that states "Evacuation Assembly Area." Roll call will then be taken by the Emergency Coordinator or Safety Director.

6.8 Unusual Traffic Conditions

Adverse weather conditions, vehicular accident or limited access may cause unusual traffic conditions. In the event that traffic becomes congested, Facility employees will direct traffic along 56th Street and into the site as

conditions permit. Several vehicles can queue in the western area of the site. In the event that a lengthy delay is expected, haulers will be notified by telephone regarding the cause for temporary Facility closure and the anticipated time or date for the resumption of normal operations.

6.9 Adverse Weather Conditions

Adverse weather conditions generally consist of high winds, heavy rains, freezing rain or heavy snowfall. In instances of heavy snowfall or freezing rain that may limit entry to the site, the Site Manager will make a decision as to whether material will be accepted at the Facility or if waste receipt should be cancelled for the day. Corrective action will be taken to help ensure safe access to the site during normal operating hours. In the event of adverse winter conditions, sand and salt may be applied to road surfaces in addition to snow and ice removal efforts. If a lengthy delay is expected, haulers will be notified by telephone regarding the cause for temporary Facility closure and the anticipated time or date for the resumption of normal operations.

6.10 Equipment Malfunction and Breakdown

If a piece of equipment breaks down or becomes unavailable for another reason (i.e., scheduled maintenance) it will be replaced by another of comparable capability obtained from available onsite equipment or from a rental company.

Facility equipment mechanics or employees will perform most repair work and routine maintenance. Major repair jobs will be contracted to local heavy-equipment repair garages.

In the event that an equipment breakdown occurs and the Facility is unable to replace the unit with onsite equipment, a local equipment rental or leasing firm will be contacted regarding availability and procurement information.

6.11 Emergency Shutdown

Adverse weather conditions, vehicular accident or unforeseen circumstances may necessitate the temporary shutdown of the Facility. If the Facility will be closed for more than one day, incoming waste will be re-routed to another recycling or disposal facility.

6.12 Landfill Closure

If a disposal facility is closed due to adverse weather conditions, or unforeseen circumstances, incoming waste will be re-routed to another recycling or disposal facility.

7. Closure Plan

In the event of permanent closure and/or sale of the Facility without transfer of the solid waste permit, the following Closure Plan will be implemented. This Closure Plan was prepared in accordance with 6 NYCRR 360.21, 360.16(c)(4)(vi), 361-5.4(g), and 362-3.5(j).

7.1 Timeframes

The owner or operator of any active or inactive solid waste management facility must, upon termination of use, properly close that facility. Termination of use includes those situations where a facility has not received solid waste for more than 90 days, unless otherwise provided by permit, or if the permit has expired. The Department will be notified in writing at least 30 days before the date the Facility anticipates receiving its final waste load. After the Facility ceases accepting waste, the following steps will be taken:

- (+) 30 days - a final annual report will be submitted to the NYSDEC
- (+) 60 days - all solid waste will be removed from the site
- (+) 90 days - closure activities will be completed.

The Facility will notify the NYSDEC in writing on the achievement of closure activities within seven days of completion.

7.2 Closure Activities

Closure activities will be completed in accordance with the Department-approved Closure Plan. Waste materials, including unprocessed and recovered materials not yet marketed, will be removed from the Facility, and properly disposed or transported to a permitted recycling facility. Equipment will be sold and/or relocated. The site will be policed and the building will be secured.

In a worst-case scenario, a third-party contractor may close the Facility. It is expected that the Facility would be closed in several days with a team of one supervisor and two laborers to manage the materials and perform general building and site cleanup, and two equipment operators and rental of an additional loader to load transfer trailers. Rental of tractors, trailers, and drivers may also be required.

The closed Facility will not pose any threat to human health or the environment. Post-closure environmental monitoring is therefore not required. The Facility will maintain the site in accordance with local laws and regulations until it is transferred to a new owner. Post-closure uses have yet to be determined, but may include light industry, warehousing, or vehicle storage and maintenance.

Upon completion of closure the Facility will submit to the Department a certification that the Facility has been closed in accordance with the approved Closure Plan.

7.3 Closure Cost Estimate

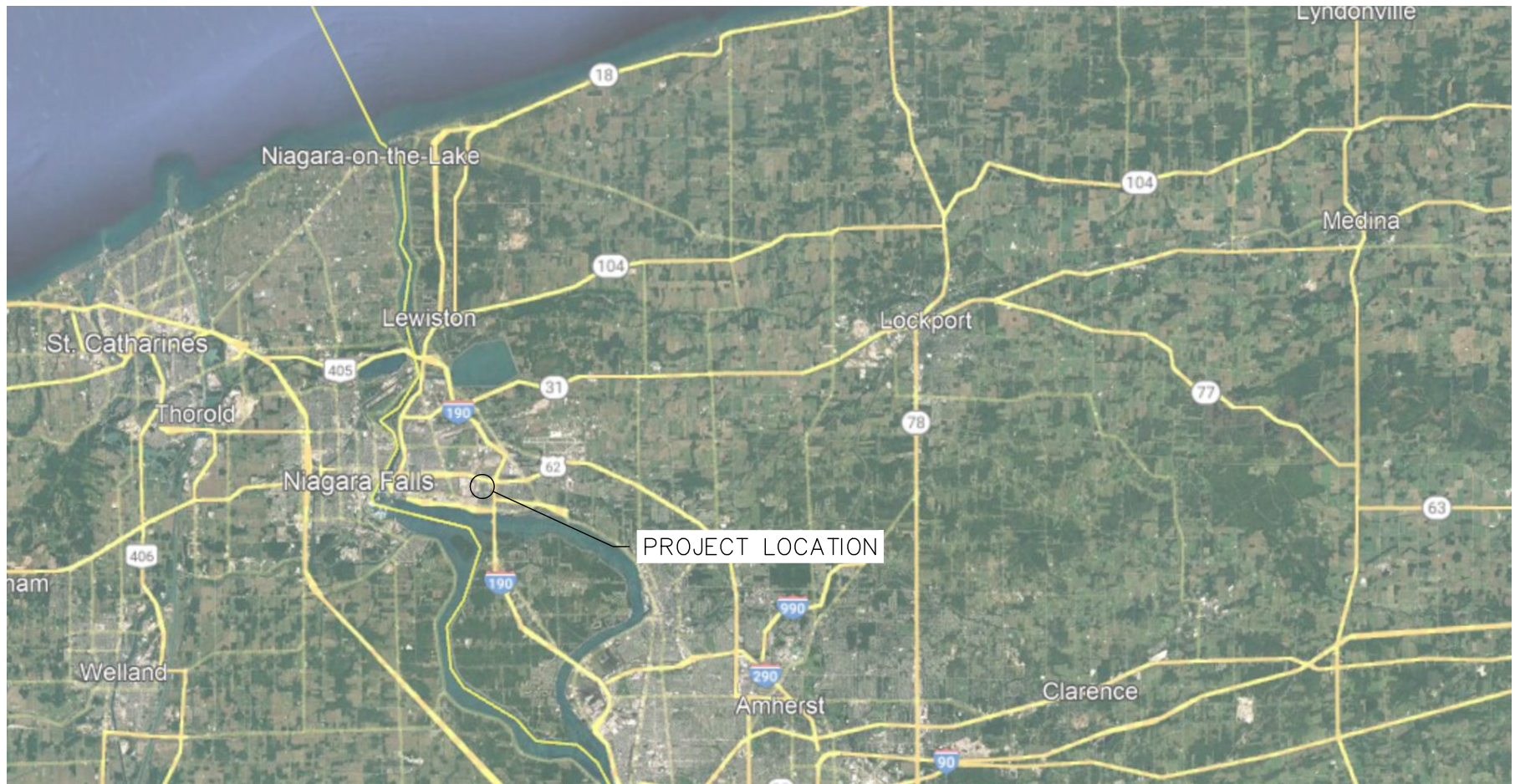
A closure cost estimate prepared in accordance with 6 NYCRR 360.22, is provided as **Attachment 7**.

Figures

EnSol, Inc.

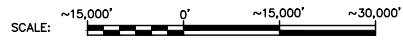
ENGINEERING + ENVIRONMENTAL


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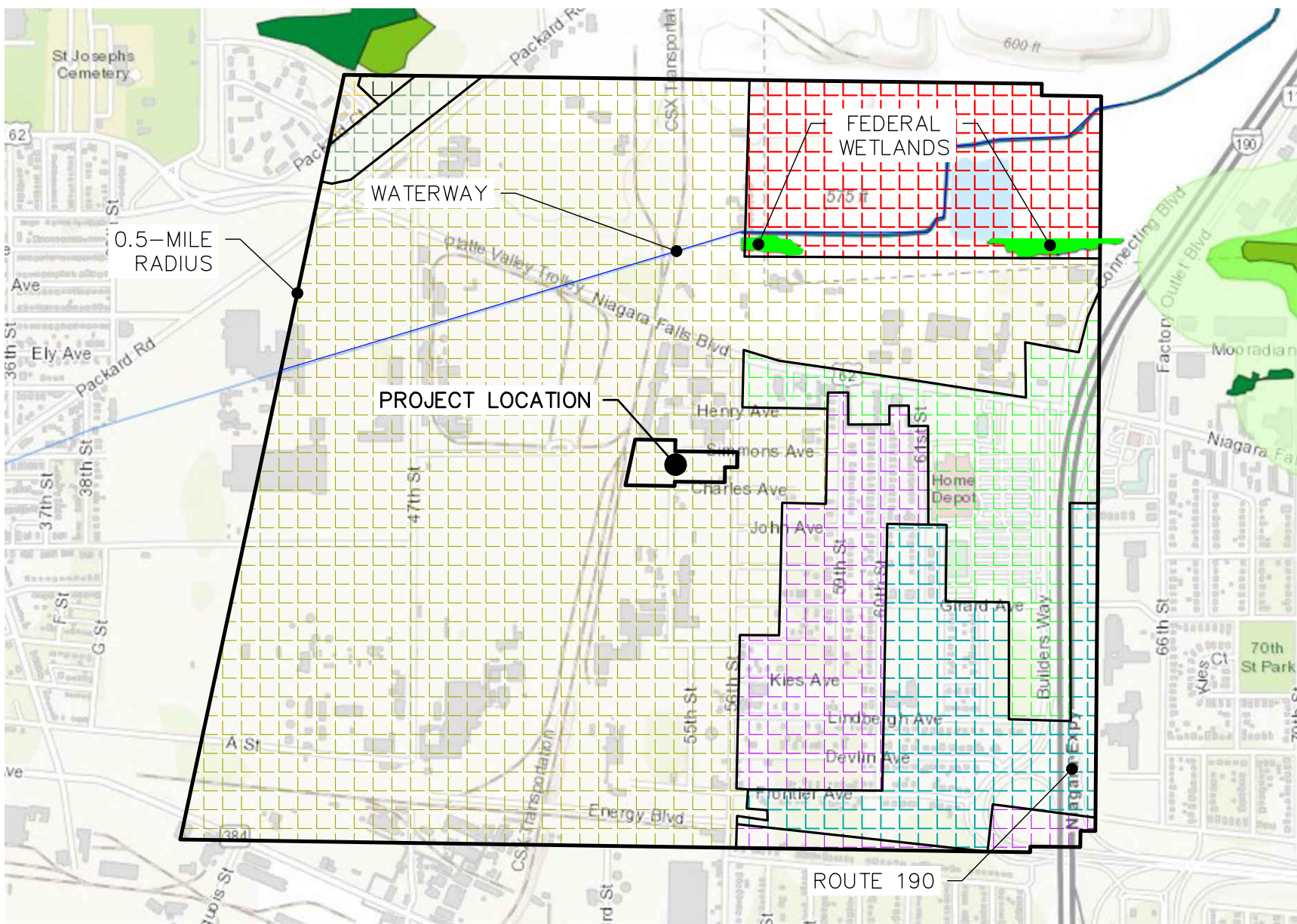


NOTES:

- 1. SOURCE: GOOGLE EARTH IMAGERY ACCESSED ON 9/13/23.











REGIONAL MAP		
56TH STREET TRANSFER STATION		
56TH STREET TRANSFER, LLC.		
 661 Main St. Niagara Falls, NY 14301 716.285.3920	CITY OF <u>NIAGARA FALLS</u>	FIGURE 1
	COUNTY OF <u>NIAGARA</u>	
	STATE OF <u>NEW YORK</u>	
	MAY 2024	
PN: 169-A0001		




NOTES:

1. BASEMAP OBTAINED FROM NYSDEC'S ENVIRONMENTAL RESOURCE MAPPER

ZONING DISTRICTS:

	R3A – RESIDENTIAL: MULTI-FAMILY (City of Niagara Falls)		SW – SOLID WASTE (Town of Niagara)
	OS – OTHER: OPEN SPACE (City of Niagara Falls)		C3 – COMMERCIAL: GENERAL (City of Niagara Falls)
	I1 – OTHER: BUSINESS PARK (City of Niagara Falls)		R1C – RESIDENTIAL: DETACHED SINGLE (City of Niagara Falls)
	I2 – OTHER: INDUSTRIAL (City of Niagara Falls)		R1A – RESIDENTIAL: DETACHED SINGLE (City of Niagara Falls)

VICINITY MAP		
56TH STREET TRANSFER STATION		
56TH STREET TRANSFER, LLC		
 661 Main St. Niagara Falls, NY 14301 716.285.3920	CITY OF <u>NIAGARA FALLS</u>	FIGURE 2
	COUNTY OF <u>NIAGARA</u>	
STATE OF <u>NEW YORK</u>		
MAY 2024		
PN: 169-A0001		

Drawings

EnSol, Inc.

ENGINEERING + ENVIRONMENTAL

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 SECTION 7209, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY.

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EnSol
 661 Main St.
 Niagara Falls, NY 14301
 716.285.3920



DAVID A. LENOX, P.E.
 NYSPE LICENSE NO. 093384

CLIENT:
56th STREET TRANSFER, LLC

SITE:
540 56th STREET

CITY OF NIAGARA FALLS
 COUNTY OF NIAGARA
 STATE OF NEW YORK

PROJECT:
**56th TRANSFER STATION
 SITE PLAN APPLICATION**

TITLE:
EXISTING CONDITIONS

ISSUE:
REVIEW

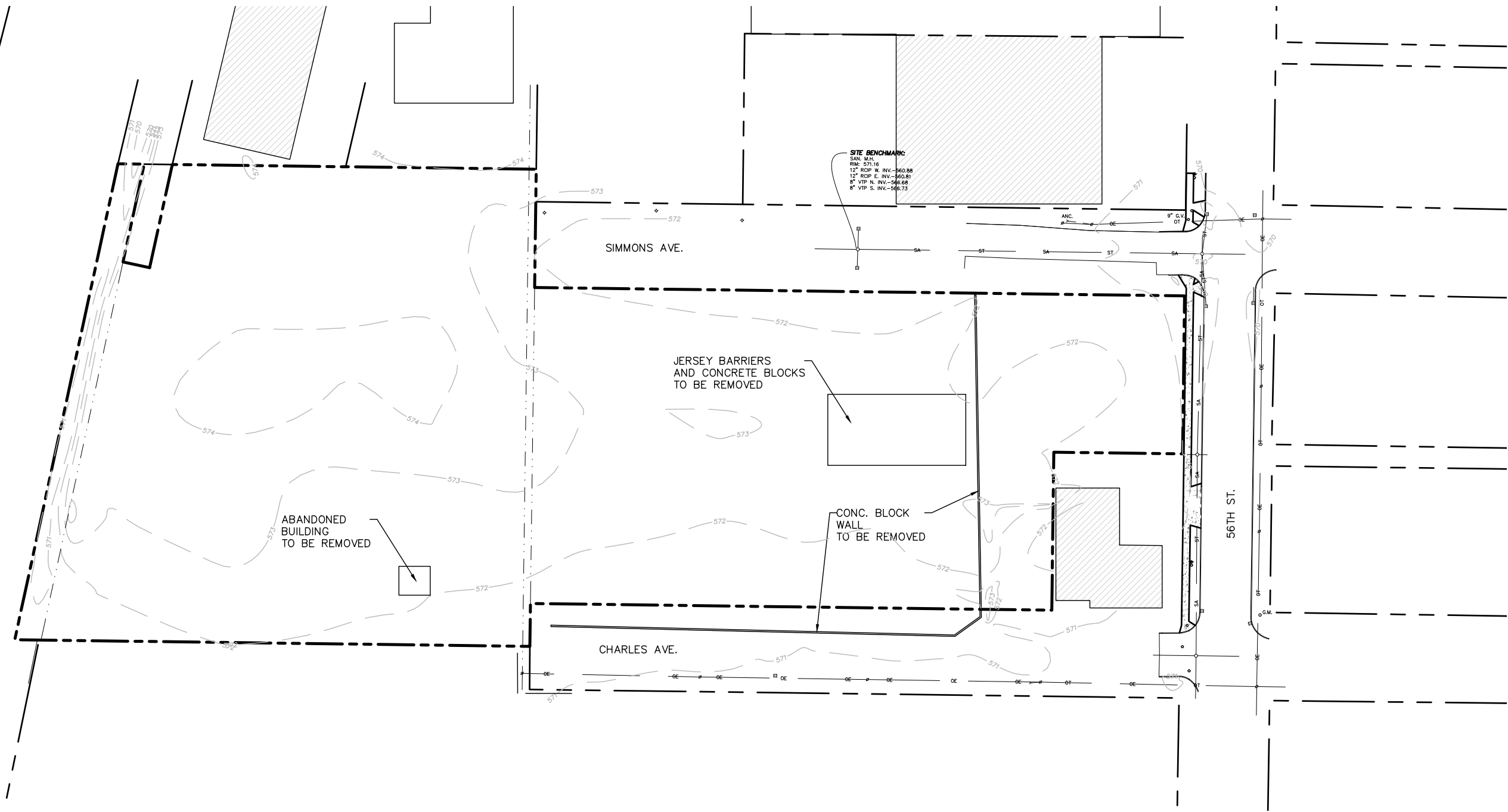
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PROJECT NO: 169-A0001 DATE: MAY 2024

GRAPHIC SCALE: (1:960)
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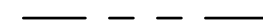


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 075-C0001 56th TS Application Dwg3 Rev3.dwg

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- NOTES:**
- SUBJECT PROPERTY LINES AS SURVEYED BY APEX CONSULTING SURVEY & ENGINEERING SERVICES, P.C. OF LOCKPORT, NY (APEX) IN A DRAWING DATED 9/15/23 AND TITLED 171221 SUB-MAP. (SEPARATELY PROVIDED WITH APPLICATION)
 - SUBJECT PROPERTY PREVIOUSLY CONSISTED OF FOUR SEPARATE PROPERTIES (SBLs 160.10-1-1 THROUGH 160.10-1-4 WITH ADDRESSES ON EITHER CHARLES OR SIMMONS). PROPERTY AMALGAMATION TO COMBINE THESE PARCELS INTO ONE LOT AND RE-ASSIGN A 56TH STREET ADDRESS WAS COMPLETED WITH THE CITY OF NIAGARA FALLS AND WITH THE NIAGARA COUNTY CLERK'S OFFICE ON 10/27/23 VIA INSTRUMENT #M2023-00031.
 - ADJACENT PROPERTY LINES AS APPROXIMATED FROM THE NIAGARA COUNTY GIS DIGITAL TAX MAPS WEB APPLICATION.
 - EXISTING EASEMENTS, TOPOGRAPHY, UTILITIES, PAVEMENT, AND CONCRETE AS SURVEYED BY APEX IN A DRAWING DATED 9/26/23 AND TITLED 171221 TOPT-MAP. (SEPARATELY PROVIDED WITH APPLICATION)
 - THERE IS NO FORMAL STORMWATER MANAGEMENT SYSTEM CURRENTLY ONSITE AND CURRENT STORMWATER MANAGEMENT GENERALLY CONSISTS OF SHEET FLOW OVER THE CURRENT GRAVEL SURFACE TOWARDS EXISTING DRAINAGE STRUCTURES WITHIN SIMMONS AND CHARLES AVE.

LEGEND:

	SUBJECT PROPERTY LINES
	ADJACENT PROPERTY LINES
	EXISTING TOPOGRAPHIC CONTOUR (1-FOOT INTERVAL)
	EASEMENT BOUNDARY



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IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 SECTION 2209, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY.

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EnSol
 661 Main St.
 Niagara Falls, NY 14301
 716.285.3920



DAVID A. LENOX, P.E.
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CLIENT:
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 CITY OF NIAGARA FALLS
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PROJECT:
 56th TRANSFER STATION
 SITE PLAN APPLICATION

TITLE:
 SITE PLAN 2

ISSUE:
 REVIEW

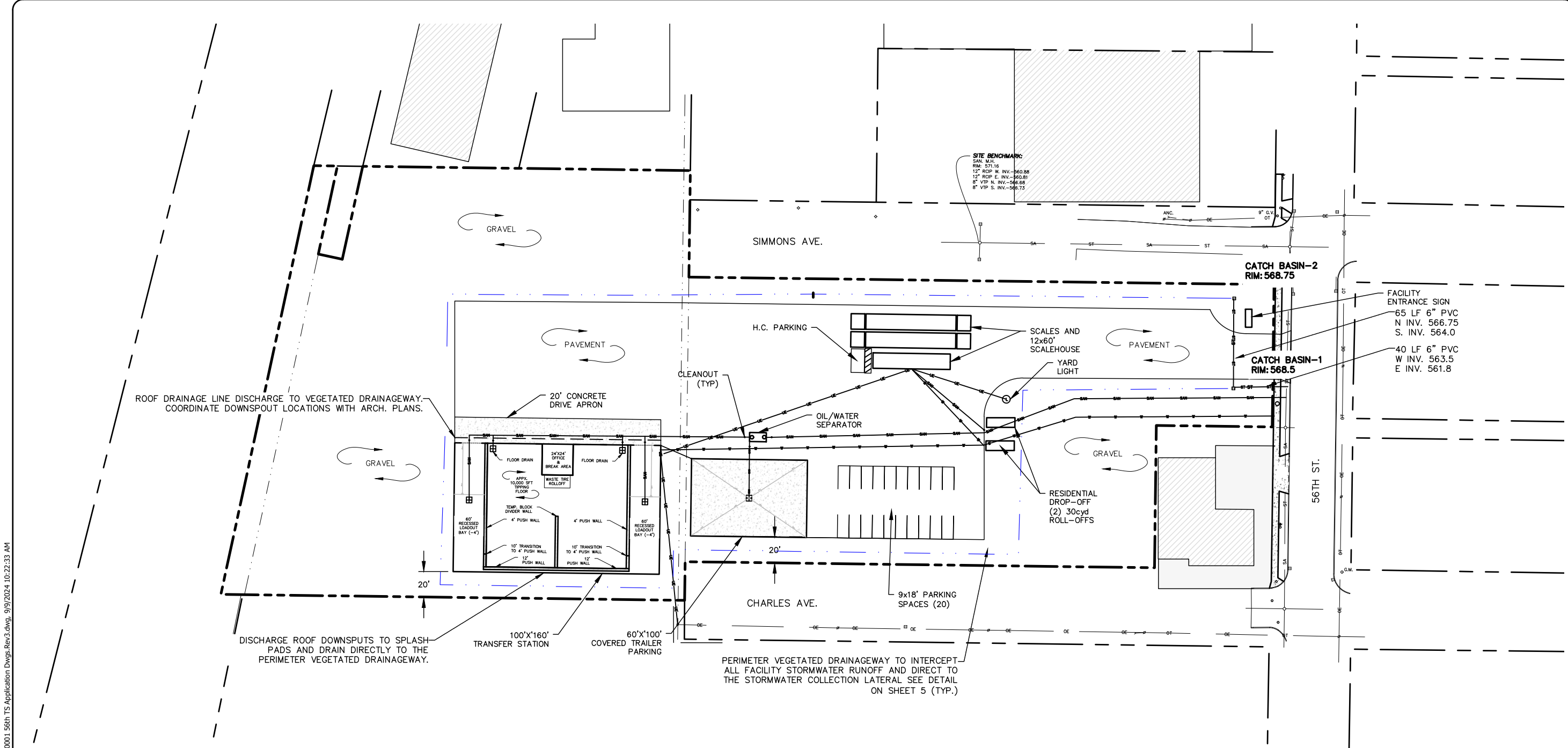
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PROJECT NO: 169-A0001 DATE: MAY 2024

GRAPHIC SCALE: (1:960)
 0' 40' 80'

FILE:
 075-C0001 56th St Application Dwg3 Rev3.dwg

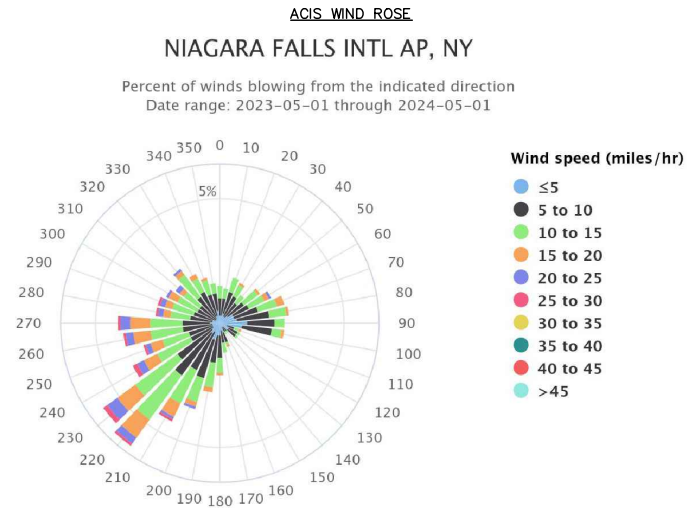
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 - ACIS WIND ROSE GATHERED FROM CORNELL.

LEGEND:

	SUBJECT PROPERTY LINES
	ADJACENT PROPERTY LINES
	EASEMENT BOUNDARY
	PROPOSED SANITARY SEWER
	PROPOSED WATER SERVICE
	PROPOSED ELECTRIC SERVICE
	VEGETATED SWALE
	STORMWATER COLLECTION LATERAL
	EXISTING COMBINED SEWER LINE



Y:\56th Street Transfer LLC\169-A0001 56th St Transfer Drawings\ACAD\NYSDEC App. Dwg3\075-C0001 56th St Application Dwg3 Rev3.dwg, 9/9/2024 10:22:33 AM

Attachment 1

EnSol, Inc.

ENGINEERING + ENVIRONMENTAL

Site Inspection Form

Daily Inspection Log

Week of:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Inspected by:							
Time:							
Weather:							

Mark form as follow: OK= condition met, NA= not applicable, CA= corrective action required (explain below)

1. Site security and signage in place? Signs of unlawful trespass or vehicle tracks?

OK	NA	CA	OK	NA	CA	OK	NA	CA	OK	NA	CA	OK	NA	CA	OK	NA	CA

2. Condition of entrance, roads and parking areas (surface, litter, mud, dust, snow)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

3. Condition of building: tipping floor, loading bays, storage areas (cleanliness, odors, vectors, damage)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

4. Condition of building drainage system (flows, ponding or unusual odors)

Drains																		
Oil Water separator																		

5. Condition of site stormwater control system

Surface drainage																		
Stormwater basin																		

6. Condition of outside storage areas (vectors, dust, odors, aisle space)

Roll-offs																		
-----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

7. Condition of equipment (function, maintenance)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

8. Condition of scales, scalehouse

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

9. Overall (indicate on/off-site): Are there signs of?

Litter?																		
Odors?																		
Dust?																		
Vectors?																		

10. Indication of any impacts that may be related to other operations or site activities

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

11. Fire extinguishers, spill control equipment, first aid kits (full, stocked)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

12. Explanation of corrective action required and additional comments on site condition:

13. Signature:

--	--	--	--	--	--	--	--

Attachment 2

EnSol, Inc.

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Training Outline and Forms

56th Street Transfer Station

Employee Training Program Outline

- It is the intention that all employees will be advised of the general terms and conditions of employment and of the basic safety standards within the business.
- All management and staff personnel are required to receive training in the following:
 - Site Tour and Indoctrination
 - Review Operating Procedures and Contingency Plan
 - General Safety and Basic First Aid
 - Equipment Operation
 - Instruction in Equipment Safety
 - Personal Protective Equipment
 - Emergency Procedures
 - Fire Safety and Emergency Response
 - Communications
 - Traffic Control
 - Load Inspections
 - Unauthorized Waste Procedures
 - Radioactive Waste Detection Procedures (only if transferring waste out of state for final disposal)
 - Equipment Maintenance and Cleaning
 - Clean Time
 - Facility Inspections
- Additional specific training will be provided as and when required depending on the duties of each individual.
- Employees will be required to document that the defined training has been provided.

EMPLOYEE TRAINING DOCUMENTATION SHEET

Date:

Job Title:

Instructor(s):

Individual Trained:

Description of Training:

Instructor's Signature(s):

Employee's Signature:

Signatures on this form serve to verify that the training described above has been given on the specified date and successfully completed by the employee.

Attachment 3

EnSol, Inc.

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Electronic Waste Information

ELECTRONIC WASTE INFORMATION:

As of January 1, 2015, all New York State consumers (including households, businesses, private or public corporations, not for profit corporations and government entities, etc.) may no longer dispose of, or place for collection intended for disposal, electronic waste at a solid or hazardous waste management facility, landfill, or waste-to-energy facility in the state.

New York State law requires manufacturers to take responsibility for recycling the many types of electronic equipment they have produced (e.g. computers, computer peripherals, televisions, and small electronic equipment, etc.), by providing free and convenient acceptance programs for NYS consumers to properly reuse or recycle their waste electronic equipment. Consumers should visit the NYS Department of Environmental Conservation's website, for a full list of the types of electronic equipment covered by this law at:

<http://www.dec.ny.gov/chemical/66845.html>

and to learn how they may properly manage their electronic waste in a legal and environmentally responsible manner.

Attachment 4

EnSol, Inc.

ENGINEERING + ENVIRONMENTAL

Waste Supplier Contractual Agreement Language

56th Street Transfer Station

Waste Supplier Contractual Agreement Language

All contractual agreements with customers of the Facility that will deliver waste materials will contain, at minimum, the following language defining what materials are authorized for receipt at the Facility and what materials are not authorized.

Wastes unacceptable and/or prohibited from acceptance at the Facility include the following:

- *Source separated yard trimmings and tree debris;*
- *Regulated hazardous waste as defined in 6 NYCRR Part 371;*
- *Regulated medical waste as defined in 6 NYCRR Part 364;*
- *Friable asbestos;*
- *Radioactive waste as defined in 6 NYCRR Part 382;*
- *Intact metal or plastic drums larger than 10 gallons that have not been crushed and at least one end removed, or have not been shredded;*
- *Any container that has held hazardous waste and is not empty according to 6 NYCRR 371.1(h);*
- *Mercury-added thermostats as defined in 6 NYCRR Part 360.16;*
- *Liquids;*
- *Appliances containing refrigerants;*
- *Any industrial or commercial liquids, sludges or slurries;*
- *Any industrial or commercial powders, dusts;*
- *C&D from a site being remediated pursuant to a program administered by the NYSDEC or the EPA unless approved by the NYSDEC or the EPA;*
- *Fill materials as defined by 6 NYCRR Part 360.13, and;*
- *Electronic waste.*

Materials that will be accepted at the Facility for transfer to either off-site disposal or processing facilities include only the following:

- *Municipal Solid Waste (MSW)*
- *Construction and Demolition Debris (C&D) – {excluding specific C&D materials identified in Sect. 4.2}, including;*
 - *Unadulterated Wood*
 - *Metals*
 - *Concrete, Asphalt, Rock, Brick*
- *Single-Stream Recyclables (SSR)*
- *Tires*

Attachment 5

EnSol, Inc.

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Unauthorized Material Tracking Form

**56th Street Transfer Station
Unauthorized Material Tracking Form**

DATE _____ TIME _____

INSPECTOR _____ TITLE _____

(signature)

HAULER _____ TRUCK # _____

PLATE # _____

DRIVER _____

(signature)

MATERIAL _____

GENERATOR _____

UNAUTHORIZED MATERIAL _____

Describe precautions/segregation _____

Laboratory sampling/analysis required? _____

What action was taken to properly dispose of the unauthorized material?

DISPOSAL METHOD _____

LOCATION _____

DATE _____

NAME OF REGULATORY AGENCY NOTIFIED _____

DATE NOTIFIED _____ CONTACT PERSON _____

COMMENTS _____

Attachment 6

EnSol, Inc.

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Waste Characterization Survey Form

Attachment 7

EnSol, Inc.

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Closure Cost Estimate

Closure Cost Estimate

56th Street Transfer Station

May 2024

Recyclables are a marketable commodity and therefore no cost for divesting these materials would be incurred. Removing marketable materials would be a step toward preparing the Facility for closure. The following estimated costs are a conservative scenario for closure of the Facility by a third party.

Item	Quantity	Units	Unit Cost	Total Cost
MSW & C&D Disposal ⁽¹⁾	1,244	Tons	\$41	\$51,004
MSW & C&D Transportation ⁽¹⁾	1,244	Tons	\$13	\$16,172
Waste Tire Hauling/Processing ⁽²⁾	4	Tons	\$335	\$1,340
Oil Water Separator: Cleaning of Vessel	1	Ea	\$1,500	\$1,500
Oil Water Separator: Oil/Water Mixture Disposal ⁽³⁾	2,000	Gallons	\$0.70	\$1,400
Unacceptable Hazardous Waste Collection & Disposal ⁽⁴⁾	1	Drum (55-gal)	\$500	\$500
Miscellaneous Labor & Clean Up ⁽⁵⁾				\$14,000
			Subtotal	\$85,916
			10% Contingency	\$8,592
			TOTAL (Estimate)	\$94,508

Notes:

- 1) MSW & C&D T&D costs are a current quote assuming disposal at Modern Landfill, located approximately 13 miles from the facility.
- 2) Tire disposal costs are a current quote assuming disposal at American Recyclers, located approximately 14 miles from the facility. Cost is inclusive of transportation and disposal at \$5/tire at an assumed average weight of 30lbs per tire.
- 3) Oil/Water Mixture disposal costs are a current quote assuming disposal at American Recyclers, located approximately 14 miles from the facility. Cost is inclusive of transportation and disposal at \$0.70/g.
- 4) Unacceptable Hazardous Waste drum disposal costs are a current quote assuming disposal at US Ecology, Belleville MI, located approximately 270 miles from the facility. Cost is inclusive of transportation and disposal at \$500 per drum.
- 5) This task assumes approximately 4 days of material loading and site cleanup activities by a 5-person crew (1 foreman and 2 each laborers and operators) and rental of 1 piece of loading equipment. All material will be loaded for offsite disposal, sweep and wash the building floor, clean trailers and equipment with power washer, collection and disposal of wash water, and litter and debris pick-up.