PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

December 3, 2021

Mr. Kevin D. Sullivan, P.E.
TRC
1090 Union Road, Suite 280
Seneca, New York 14224

RE: Incinerator Building Demolition and Debris Consolidation Work Plan
Former Katzman Recycling
NYSDEC Site No. 558035

Dear Mr. Sullivan:

Precision Environmental Services, Inc. (PES), has prepared this work plan to describe the means and methods for performing the work detailed in the ***Technical Scope of Work (SOW) Incinerator Building Demolition and Debris Sorting and Consolidation, Katzman Recycling, TRC 2021*** (Attachment A). The work described within this work plan was initiated pursuant to a directive from the New York State Department of Environmental Conservation (NYSDEC) in response to Callout No. 140354 for the *former* Katzman Recycling facility in the Town of Granville, Washington County, New York (the "Site"). The former Katzman Recycling property is designated as a Class 2 inactive hazardous waste disposal site and has been assigned NYSDEC Site No. 558035. PES will be implementing pre investigation activities including the:

- Improvement of the access road, and construction of a debris staging area
- Disconnect confirmation of all site utility services
- Establishment of a community air monitoring program (CAMP)
- Vegetative clearing/grubbing of the active work area (including chipping and stockpiling)
- Establishment of erosion control measures
- Securing areas of documented asbestos impacts (includes perimeter fencing and coverage)
- Sorting and consolidation of various metal and non-metal debris,
- Containerizing universal wastes
- Demolition of the former incinerator (including permitting and pre demolition inspection),
- Off-site transport of scrap metal,
- Site restoration.

All site work performed on behalf of the NYSDEC, will be performed in accordance with the terms of our Standby Contract No. C100614. The paragraphs below provide a

brief project background followed by a description of the work element activities.

PROJECT BACKGROUND:

The Katzman Recycling Site is located at 24 County Road 26 in the Town of Granville, Washington County, New York (Figure 1). The Site is in a mixed commercial and residential area. The Site encompasses approximately 20.3 acres and is bounded by County Route 26 to the west an auto body business to the north, and forested lands to the east and south. There is a wetland which has consistent standing water, located on the south end of the Site and a second delineated wetland which transects the Site near the center of the property, east of the main accumulation area. The Site is generally level except for the southwestern portion where the wetland is located which is approximately 30 feet lower in elevation from the developed portion of the Site (TRC 2018).

Between 1949 and 2007, the Site operated as a facility which accepted various metal products for recovery and recycling. The former incinerator building used during historical operations is centrally located on the Site. Associated incinerator waste was observed to be accumulated to the north, west, and south of the structure. Among the waste materials identified at the Site were used auto parts, carburetors, chain saws, automobiles, heavy equipment (TRC 2018). A pile located along the embankment near the wetland on the southwest part of the Site was found to be composed of incinerator waste generated during historic Site activity. The area east of the incinerator building appears to be the location where capacitors and transformers were dismantled. Additionally, to the east of the incinerator, several older model automobiles were discovered to be scattered throughout the wood areas. A pole barn used for storage and possible mechanical work is located along the northwestern Site boundary.

Previous investigations (performed by PES and others) have documented the occurrence of contaminants of concern at this spill site. Specifically, polychlorinated biphenyls (PCBs) and metals (arsenic, cadmium, chromium) have been documented at concentrations above commercial use site cleanup objectives (SCOs) established by the NYSDEC. Based on these findings, NYSDEC has recommended that a site cleanup be completed to remove the threat posed by the PCBs and metals in site soil. The work generally described in the following work plan is primarily focused on providing additional access to allow for further investigation and determination of adverse contaminant impacts.

.

CONSTRUCTION SCHEDULE:

In general, PES's work will focus on the clearing of large debris and vegetative cover from areas target for supplemental investigations. PES anticipates the following

general sequencing of the major activities associated with the required site support activities. The anticipated project schedule is outlined below.

- Week 1:
  - Begin the community air monitoring program
  - Cover asbestos containing areas and install perimeter fence
  - Access road Improvement
  - Install erosion controls
  - Begin tree and shrub clearing and chipping (if time permits)
- Week 2:
  - Continue tree and shrub clearing
- Week 3:
  - Continue tree and shrub clearing
  - Install the debris staging areas
  - Stage the scrap metal roll off containers
  - Place universal and electrical waste in drums, overpack, and cover
- Week 4:
  - Resize, sort, and ship offsite as scrap non-electrical metal debris
  - Stockpile and cover other debris (electrical, construction, tires)
- Week 5:
  - Demolition of the incinerator building
- Week 6:
  - Continue demolition of the incinerator building
  - Site restoration and demobilization
- Week 7
  - Site restoration and demobilization

CONSTRUCTION SUMMARY:

Pre-mobilization activities:

Prior to mobilization to the site the following tasks will be completed:

- Submit the building demolition permit to Washington County.
- Complete Asbestos Awareness Training
- Perform UFPO notification and contact all participating entities to confirm disconnect of all site services,
- Procure CAMP equipment and establish a data collection/presentation procedure/format,
- Complete baseline pre-demolition survey including all required permitting and municipal coordination,
- Procure required site equipment/materials and submit to TRC and NYSDEC for review.

Onsite staging and setup activities:

Once PES has mobilized to the site the following tasks will be completed prior to debris sorting and waste management activities on site, (see Figure 2):

- Setup work trailer
- Set up sanitary facilities/handwashing station
- Begin the community air monitoring program
- Establish perimeter erosion control measures
- Assess and improve the previously installed access road
- Assess the current decontamination pad and repair as needed
- Perform removal and grubbing of all trees and brush within the designated work area
- Isolate with temporary fencing and cover asbestos areas previously identified
- Identify and mark with flagging all existing monitoring wells

Debris and Waste Management Activities:

- Remove and drum all liquids from open containers within the area of interest
- Remove and containerize all small electrical items including but not limited to light ballasts, capacitors, transformers, etc.
- Establishment of temporary staging areas for various debris categories
- Identify, remove, and stage all transformer casings/carcasses,
- Sizing, Sorting, and Storage/Disposal of Ferrous Metal Debris
- Segregate and stage tires
- Perform demolition of former incinerator structure including sizing of ferrous metal material using mechanical shear

Site Restoration/Demobilization/Closeout:

- Request substantial completion inspection and submit the Completed Demolition Form LRCC#2 to Washington County
- Perform final photo documentation of work area,
- Inspect and repair the silt fences and socks to be left in place after the completion of work.
- Perform any required equipment decontamination and associated sampling,
- Inspect and repair decontamination pad and leave in place
- Remove all excess materials,
- Demobilize all equipment,
- Secure site.
- Conduct final site inspection

The remainder of this Work Plan describes the means and methods for completing the above-mentioned activities including a description of ancillary activities to be completed during the site activities (e.g., traffic control, site security, dust control, construction noise mitigation, etc.). Means and methods for other activities including

community air monitoring and health and safety requirements/monitoring, are presented in stand-alone documents prepared by PES and submitted under separate cover.

PRE-MOBILIZATION ACTIVITIES:

Permitting:

PES has contacted the Town of Granville Code Enforcement and the TRC Engineer to understand what, if any, permits would be required for completion of the remedial activities. Based on these discussions, it is PES' understanding that a Washington County Building Demolition Permit is the only permit required to complete this project.

The SOW provides for evaluation of a State Pollution Discharge Elimination System (SPDES) GP-0-20-001 General Permit for stormwater discharges from construction activity. This permit pertains to construction activities with soil disturbance of > 1acre or withing the NYC watershed east of the Hudson River (EOH). This site is not withing the NYCEOH watershed and is not anticipated that there will be soil disturbance of this size during this project and therefore it is PES understanding that this permit is not required.

The Washington County Building Demolition Permit is not complete at the time of this document. PES is waiting on an approval letter from the owner of the property via NYSDEC to be included with the permit submittal. PES assumes that submittal and approval of the building demolition will be complete by the time the building demolition portion of the work tasks are scheduled. The final permit will be included in an addendum to this work plan.

Health and Safety Plan:

A Site-Specific Health and Safety Plan (HASP) has been included as Attachment B. The site specific HASP has been prepared in accordance with applicable State and Federal regulations including 29 CFR Part 1910, 29 CFR 1926, Department of Labor Safety and Health Regulations for Construction [promulgated under the Occupational Safety and Health Act (OSHA) of 1970 (PS-19-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (PS-91-54)], and Standard Operating Safety Guides (United States Environmental Protection Agency (USEPA), Office of Emergency and Remedial Response). The HASP is consistent with the NYSDEC COVID- 19 Risk Management Specification presented in Appendix C of the SOW.

Asbestos Awareness Training:

All PES staff working physically on site will receive Asbestos Awareness Training in compliance with OSHA 29 CFR 1910.1001(j)(7)(iv). Certification of training for staff will be submitted to TRC and NYSDEC prior to working on site.

Pre-construction Site Services Disconnect:

PES has contacted the local municipality and received written notice that there are no municipal water or sewer lines on the site. PES has performed a UFPO notification for potential underground utilities in the area. The results of the UFPO query indicated that local buried utility lines owned by NYSEG and Charter Communications are not within the work area. Overhead utilities are solely from an electric line originating at a pole on route 26 connecting to a private utility pole on the site located 50 feet to the south of the pole barn. This service is disconnected at the pole and the meter has been removed. No work will be performed within the vicinity of the utility line. Certification of utility clearances are presented in Attachment C

CAMP Equipment Procurement and Data Collection/Presentation Protocol Establishment:

PES will complete a contract required solicitation to procure three CAMP stations for deployment at the Katzman Site. The vendor and exact make and model of equipment will be determined once the solicitation is completed The CAMP stations will consist of 8530 Dust Trak II Aerosol Monitor (or a similar device) and RAE Systems MiniRAE 3000 instrument equipment with 10.6 electrovolt (eV) lamp. PES's proposed data presentation format is included as Attachment D. This format has been successfully applied to a number of NYSDEC projects. CAMP monitoring will be performed for each day of intrusive site work with the exception of inclement weather.

Pre-Demolition Structure Assessment:

Bill Hennessy the PES engineer on retainer completed a pre-demolition assessment of the former incinerator structure on December 2, 2021. The results are reported in a letter which states that an unplanned collapse of any portion of the structure is unlikely due to the welded construction of the building. Demolition of the building will be completed in accordance with OSHA 29 CFR 1926 Subpart T (demolition) as indicated in the pre-demolition survey letter. The pre-demolition survey letter is included in Attachment E.

Procure required site equipment/materials:

PES has developed a tabular list of materials and equipment that were identified as needed to complete the work assignment. The list is included as Table 1. Table 1 also provides the name and contact information for the respective suppliers, if known at the time of this report submittal. Associated specification cut sheets are included as Attachment F. The presented list is dynamic and as the project progresses any changes or additional material needs will be identified and submitted as an addendum to Table 1.

ONSITE STAGING AND SETUP ACTIVITIES:

Work Trailer and Temporary Sanitary Facilities:

Mobilization/site preparation will initially involve the installation of a temporary construction trailer along with associated sanitary facilities. The construction trailer will house tools and materials required for the completion of the designated work tasks. The construction trailer will be staged immediately adjacent to the entrance road/gate area (see Figure 2). Temporary restroom and hand washing facilities will be established adjacent to the construction trailer. Stone Industries of Wilton, NY will provide the sanitary equipment. PES anticipates using portable generators for electricity. No temporary connection to public/municipal utilities is expected. See Table 1 for a description of the equipment to be used on site.

Community Air Monitoring Program (CAMP) Deployment:

Prior to any intrusive work at the site, PES will procure and deploy a minimum of three (3) CAMP stations. The purpose of the CAMP is to provide a measure of protection for the downwind community, more specifically off-site receptors including residents and workers, from potential airborne contaminant releases as a result of site support activities performed at the site. For CAMP program specifics refer to the stand-alone CAMP Plan (Attachment G). The monitoring effort will address both airborne particulate (dust) and volatile organic compounds (VOCs) and all monitoring will be performed by PES personnel.

On any given day when potential dust generating activities are planned, air monitoring stations will be set up and operational prior to commencing any potential dust generating activities. Particulate monitoring will be conducted with a TSI 8530 Dust Trak II particulate monitor (Dust Trak) or a similar device that is capable of measuring particulate matter less than 10 micrometers in size. Dust monitoring stations will be checked throughout the day and will not be turned off until all potential dust generating activities have ceased for the day. Dust monitoring will be conducted during all ground intrusive activities at the Site in accordance with the CAMP (Attachment G) and the ***Fugitive Dust and Particulate Monitoring DER-10 Technical Guidance for Site Investigation and Remediation*** (Attachment 2 of the CAMP).

Air monitoring for VOCs will be conducted in conjunction with the dust monitoring program and in accordance with the CAMP (Attachment G). VOC air monitoring will be conducted using a RAE Systems MiniRAE 3000 photoionization detector (PID) or a PID equipped with a 10.6 electrovolt (eV) lamp to provide real-time recordable air monitoring data

Noise Mitigation:

In accordance with the Town of Granville Public Nuisance Local Law section 2.3, loud or unusual noise will be kept to a minimum as best as practicable. Noise nuisance complaints are not anticipated considering the site is surrounded by forested lands on

three sides. All equipment will have proper exhaust muffler systems in place and properly operating, and any improperly operating equipment will be removed and replaced.

Establishment Perimeter Erosion Control Measures:

Prior to the implementation of intrusive work tasks, PES will establish perimeter erosion and sediment control measures. Employed measures for limiting soil erosion and off-site pollution by sedimentation shall be accomplished with the use of silt socks. The use of silt sock placement has been approved for use by TRC and NYDSEC as a green remediation alternative to silt fences specified in the SOW (Slide 3 of Drawing 7) as silt socks are biodegradable. The silt sock specifications and supplier are shown in Table 1.

Erosion controls shall be installed downgradient of any areas of potential surface water runoff including staging areas, work areas, debris piles to be investigated and consolidated, and demolition area. Control measures will be implemented as illustrated in the Erosion and Sediment Control Plan developed by William Hennessey, P.E. of Hennessey Engineering, Voorheesville, NY included as Attachment H

Assessment and Improvement of Access/Haul Road:

PES will assess the existing construction entrance and haul road to ascertain its condition and need for improvement/repair. The existing entrance and road were installed by PES in 2014 during implementation of emergency interim remedial measures (IRM). The improved road was constructed over an existing historic road base. Construction involved initial grading, placement of geotextile fabric and application of # 2 stone. The resulting improved road was machine compacted.

PES proposes to assess the current road condition and apply additional # 2 stone at the construction entrance and Item 4 (crusher run) on the entrance road as needed. Initial grading and Item 4 placement would be performed using a tracked dozer (contract E-040 or equivalent). The newly installed Item 4 would be compacted using a vibratory drum roller. The Item 4 material would be supplied by Larned and Sons of Rotterdam, NY. The gradation and specification sheets for the proposed material are included as Attachment F.

The utilization of the existing road will provide cost savings to the project and assist with green remediation goals by elimination the need to remove and replace the existing geo road fabric and associated stone base.

Repair and/or Replace Current Decontamination Pad:

PES technical staff will inspect the existing decontamination pad to determine viability. The existing pad was constructed during the 2014 emergency interim remedial measures. The pad construction consists of a 6” layer of select stone dust overlain by

a 30-mil poly liner. The poly liner extends upward and attaches to a wooden support framework providing overspray containment during decontamination procedures. A decontamination water collection sump is present to collect cleaning fluids. The 30 - millimeter poly liner is surfaced with a layer of geotextile road fabric. The road fabric is covered with clean crushed stone. Pictures related to the construction of the existing decontamination pad are presented below:

Based on a site visit in November 2021, the decontamination pad appears to be intact with some minor repairs to the frame needed. In the event it is determined that the existing pad requires replacement, PES will construct it to replicate the historic structure.

Grubbing of trees and brush within the designated work area:

Site grubbing will be performed in accordance with the limits shown on Figure 2. In general, PES will cut and remove trees, brush, shrubs and other vegetative material deemed necessary by the NYSDEC/Engineer. Caution will be taken to minimize surface disruptions during the clearing event. Stumps will be cut as close to the existing site grade as site conditions allow. Trees designated to remain will be flagged at the onset of the clearing process by the Engineer. Caution will be used to minimize damage to the flagged trees.

PES will utilize chain saws and brush/weed wackers to perform the requested clearing. One or more regular track mounted excavators (<1 cu yd bucket and up to 22 ft dig depth, contract item 037) equipped with hydraulic thumbs will be used to load the vegetative debris into a tracked site dump truck (morooka) for transport to a common NYSDEC/Engineer designated chipping/process area.

A commercial woodchipper will be used to process and debris. Any logs that are too large to be processed, will be staged immediately adjacent to the chip processing area.

Upon completion of clearing and grubbing, PES will request an inspection by the NYSDEC/Engineer. Upon approval, PES will install high-visibility fencing surrounding existing trees or groups of trees. Installation of fencing, posts, ties, and other appurtenances shall be in accordance with Panel 4 of Drawing 7 of the SOW (Attachment A).

Isolation of Asbestos Containing Areas:

Areas previously identified as having asbestos containing materials will be covered with plastic sheeting and isolated with fencing per the SOW Panels 6 and 4 of Drawing 7.

Monitoring Well Protection/Delineation:

Prior to the start of intrusive site work, PES technical staff will consult with the NYSDEC/Engineer regarding the identification of historic monitoring wells (MWs) within the limits of the target work area. High visibility spray paint will be applied to the ground surface at each well location. In addition, each location will be staked and flagged. High visibility traffic cones will be deployed at each respective well head as a final visual precaution.

Hazard Postings:

Appropriate posting reflecting the hazards at the site and indicating the restricted access will be posted on the entrance gate. Access to the site will be limited to those with the proper training and qualifications required for entrance. All subcontractors will be supervised to prevent any unauthorized access to the site. In general, the site will have a closed gate policy.

DEBRIS AND WASTE MANAGEMENT ACTIVITIES:

Remove and Containerize All Liquids from Open Containers:

Numerous open containers exist within the footprint of the target work area. The containers consist of open pails, buckets, aboveground storage tanks (ASTs) drums, etc. PES plans to evacuate and containerize any free fluids for later characterization and disposal. Target fluids will be bailed and/or pumped into DOT approved open top 55 -gallon drums. Power for processing pumps will be supplied by portable generators. Site dedicated pumps and hoses would be purchased to accomplish the task. Each primary drum would be overpacked to ensure proper containment. Each drum would be labeled and placed on a pallet for transport to the NYSDEC/Engineer designated staging area. Once in place at the drum staging area the drums will be covered by a polyethylene tarp cover and secured with concrete blocks as specified in the SOW. Drummed waste will be moved to the staging area using a tracked skid steer loader equipped with pallet forks.

The source of fluid contained in each drum will be photographed and the photos labeled to correspond with the unique ID marked on the labels for each drum. A numbering system will be used to correlate the drum contents, the waste source, and associated photographs. Samples will be collected and analyzed pursuant to direction received from the NYSDEC/Engineer.

Remove and containerize all small electrical items including but not limited to light ballasts, capacitors, transformers, etc.

Numerous small electrical components consisting of capacitors, ballast, etc. are scattered across the work area. PES staff will hand collect and containerized these items for characterization and subsequent disposal. PES staff will wear level C PPE when handling small electrical components. As with the free fluids, the drummed waste would be over packed, placed on pallets and staged in the pole barn area.

Establishment of Temporary Materials/Debris Staging Area(s):

PES technical staff will inspect the designated staging areas prior to implementing improvements and/or utilization. It is PES's understanding that the existing pole barn structure will be used to store drummed electrical components, transformer carcasses, and other identified universal waste.

Outside staging areas will be constructed in accordance with the SOW Panel 1 Drawing 7. Debris will be segregated into three staging areas as defined below:

1) Tire staging/storage area. PES will segregate tires into two categories – rimed and non-rimed. Segregation based on mounted and unmounted will expedite

future disposal. Tires will remain on site pending characterization and future disposal. Tires will be staged in the Tire staging area as shown on Figure 2.

2) Construction debris will be segregated and staged as shown on Figure 2. This material will remain on site pending characterization and future disposal.
3) Ferrous metal debris will be direct loaded for off-site recycling whenever possible with short term staging kept to a minimum. The metal staging and roll off areas are shown on Figure 2. The short-term staging area will be created in accordance with the SOW to allow for sorting and sizing of metal prior to loading into a roll off.

Segregate and stage tires:

Tires of variable sizes are located in multiple debris piles throughout the site as shown on Figure 3. PES staff will extract the tires using the excavator and load onto the tracked dump truck for transport to the tire staging area. Tires will be segregated with rimmed tires and non-rimmed tires stored separately at the staging area (Figure 2)

Sizing, Sorting, and Storage/Disposal of Ferrous Metal Debris:

Metal debris of variable sizes and types are located in multiple debris piles throughout the site as shown on Figure 3. PES staff will extract the metal using the excavator and load onto the tracked dump truck for transport to the metal staging area. Metal debris less than one foot in length will be loaded directly into one of three roll-offs based on metal type with white metal, unfinished steel, and mixed/tin steel seg and non-rimmed tires stored separately. Larger pieces of metal will be cut into smaller than 1-foot sections using a non-contract second excavator fitted with a sheer as shown in the example setup below. The specific make and model of the sheer excavator will be based on the specific equipment provided by the solicited vendors. PES will solicit a minimum of 3 bids with the final approved vendor determined by NYSDEC.

Identify, remove, and stage all transformer casings/carcasses:

As part of the IRM in 2014 PES stockpiled any visible transformer carcasses and stockpiled them in the "Transformer and Capacitor Carcass Stockpile Area" identified on Figure 3. The transformer carcasses will be relocated to the pole barn for storage in accordance with the SOW. Any transformers or capacitors discovered during this scope of work will also be relocated to the pole barn for storage.

Test Pits:

During the course of debris removal, there may be buried debris requiring removal per the direction of the Engineer. PES will test pit up to 4 feet in depth, with 4 – 6-inch lifts, using a mini excavator with a reach of at least 8 feet (specified in Table 1) to uncover potential buried waste below the debris piles in areas defined by the engineer. It is anticipated that all areas designated for test pits will be identified by the engineer in advance of PES ordering a min excavator on to arrive on site. Excavated material will be loaded onto poly and not placed within 2 feet of the excavation. Backfilling will be completed in reverse order of excavation in a last out first in sequence.

Demolition of Former Incinerator Structure:

The demolition of the incinerator building is scheduled to take place during week 5 of the project to allow for review of the Washington County Demolition Permit Application anticipated to be returned within two to four weeks after submittal.

The plan for demolition of the former incinerator building demolition will be submitted as an addendum to this work plan at a later date. The plan will be based on review of the *Pre-Demolition Building Demolition Assessment* and any comments provided by Washington County Code Enforcement upon review of the building demolition permit.

Equipment Decontamination:

All equipment used on site will be decontaminated on the site decontamination pad. Vehicles and equipment will be power washed with potable water and detergent and rinsed with potable water. All wastewater and sediment will be collected, containerized, labeled, and stored on pallets in USDOT-approved 55-gallon drums in the drum storage area identified by the Engineer. All drums will be covered completely with polyethylene tarps and anchored with concrete blocks as specified in Panel 2 of Drawing 7 of the SOW.

SITE RESTORATION AND DEMOBILIZATION

Upon completion of the building demolition and sorting and/or removal of the building debris PES will request from the Washington County Code Enforcement a substantial completion inspection and the completed demolition form LRCC#2.

Upon acceptance by the Engineer and NYSDEC of the completion of the work tasks defined in this work plan and the SOW PES will perform the following tasks:

- final photo documentation of work area
- inspect and repair the silt fences and socks to be left in place after the completion of work
- Perform final equipment decontamination
- Inspect and repair decontamination pad and leave in place
- Remove all excess materials
- Demobilize all equipment and materials

PROJECT PERSONNEL

PES anticipates that a number of employees will be involved with this project through the course of the remedial activities. To the extent possible, PES will try to maintain a consistent field team for continuity purposes; however, scheduling may require some shifting of personnel through the project to accommodate vacations, scheduling conflicts and/or other unforeseen circumstances. The following provides a list of PES personnel that will be assigned to the project along with their expected roles.

- Kevin Ballou: Project Manager
- Carl Graves: Project Foreman/Equipment Operator/Alternate SSO
- John Johnson, PG: Construction Manager/Alternate Equipment Operator
- Rick Earl: Alternate Equipment Operator/CAMP Monitor/Water Treatment Technician
- Mike Dudley: Technician
- Casey McManus: Geologist CAMP monitoring
- Lindsey Gulbrandsen: Geologist CAMP monitoring
- Casey McManus: Technician CAMP monitoring

Please feel free to contact the undersigned at 914-924-2176 or via email should you have any questions regarding this Work Plan.

Sincerely,
PES ENVIRONMENTAL SERVICES, INC.

PRECISION
ENVIRONMENTAL SERVICES, INC.

Kevin Ballou
Sr. Project Manager

Tables

Figures

Attachments

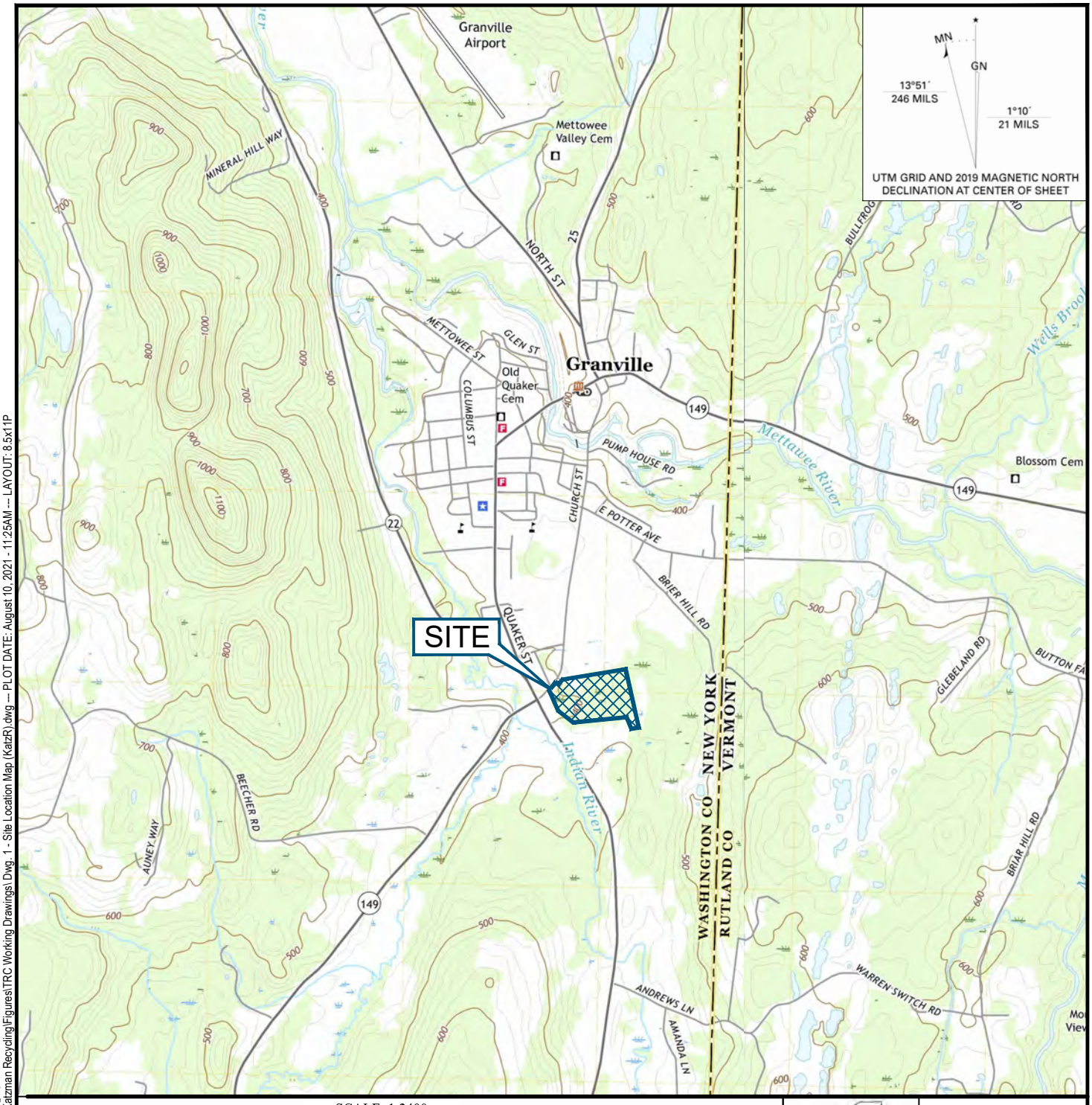
TABLES

Table 1
Materials and Equipment List

Equipment / Material Type	SOW specification	Description	Supplier	Manufacturer	Model Number
Silt Fence	4 foot stakes, 2.5 ft tall or greater silt fabric drawstring on top, nailed or staples to posts,	3ft x 100ft silt fence	JC Smith	JC Smith	3ft x 100ft silt fence
Silt Socks	--	8 inch photodegrabable polypropylene mesh filled with wood chips	JC Smith, White Cap	MKB Stormwater Innovation	Diamond Sock 8-icnh
Snow fence	5 foot steel posts, 4 foot orange fence	Orange Square Mesh Barrier Safety Fence 4 x 50ft Roll	JC Smith	JC Smith	SMSF
Concrete blocks (dimensions and weight)	NA	16 in. x 8 in. x 8 in. Normal Weight (38lbs) Concrete Block Regular	Home Depot	Home Depot	MBH08RN00000
Construction Entrance	NYSDOT 703-0201	#2 stone see Attachment F for gradation curve	WM Larned and Sons	WM Larned and Sons	NA
Access Road Base	NYSDOT 703-0201	NYSDOT item 4 see Attachment F for gradation curve	WM Larned and Sons	WM Larned and Sons	NA
Geotextile	Only needed if Decon pad requires replacement or new roads are created	--	JC Smith	Winfab 315W Slit Film Woven Fabric Roll	NA
Polyethylene Tarps	permalon x-210 cross-laminated polyethylene sheeting, Reef Industries 20 mil, 3900psi break strength, 45lb puncture strength	--	Reef Industries	Reef Industries	X-210
Hay Bails	500 linear feet		Call Agway		
Potable water source	NA	325 gallon tank	Tractor Supply	Norwesco	40217
Mid Sized Excavator with 1 yard bucket and thumb	--	--	Abele Tractor	Caterpillar	325 172hp Excavator
Bulldozer	--	--	Abele Tractor	TBD	D3K
Drum Roller	--	--	Abele Tractor	TBD	BW177
Tracked Dump Truck	--	--	Abele Tractor	Marooka	2200VD
Track Skid Steer	--	--	PES	Bobcat	T190
Excavator With Shear	--	--	Abele Tractor	TBD	TBD
Wood Chipper			Abele Tractor	MORBARK	BEEVER M15R
chain saw	--	--	PES	Stihl	MS311
weed wacker	--	--	PES	RYOBI	25cc 2-cycle string trimmer

*TBD to be determined based on availbility and solicitation decisions. Table 1 will be updated in an addendum to the work plan

FIGURES



SCALE: 1:2400

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

FEET

QUADRANGLE LOCATION

MAP INCLUDES INFORMATION FROM THE FOLLOWING MAP SHEET(S):
TP, GRANVILLE, NY, 7.5 MINUTE DATED 2019,
E, WELLS, VT, 7.5 MINUTE DATED 2019.

MAP OBTAINED THROUGH USE OF TOPOVIEW WITH THE INTERFACE CREATED BY THE NATIONAL GEOLOGIC MAP DATABASE PROJECT (NGMDB), IN SUPPORT OF THE TOPOGRAPHIC MAPPING PROGRAM, MANAGED BY THE USGS NATIONAL GEOSPATIAL PROGRAM (NGP).

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 558035
GRANVILLE, NY 12822

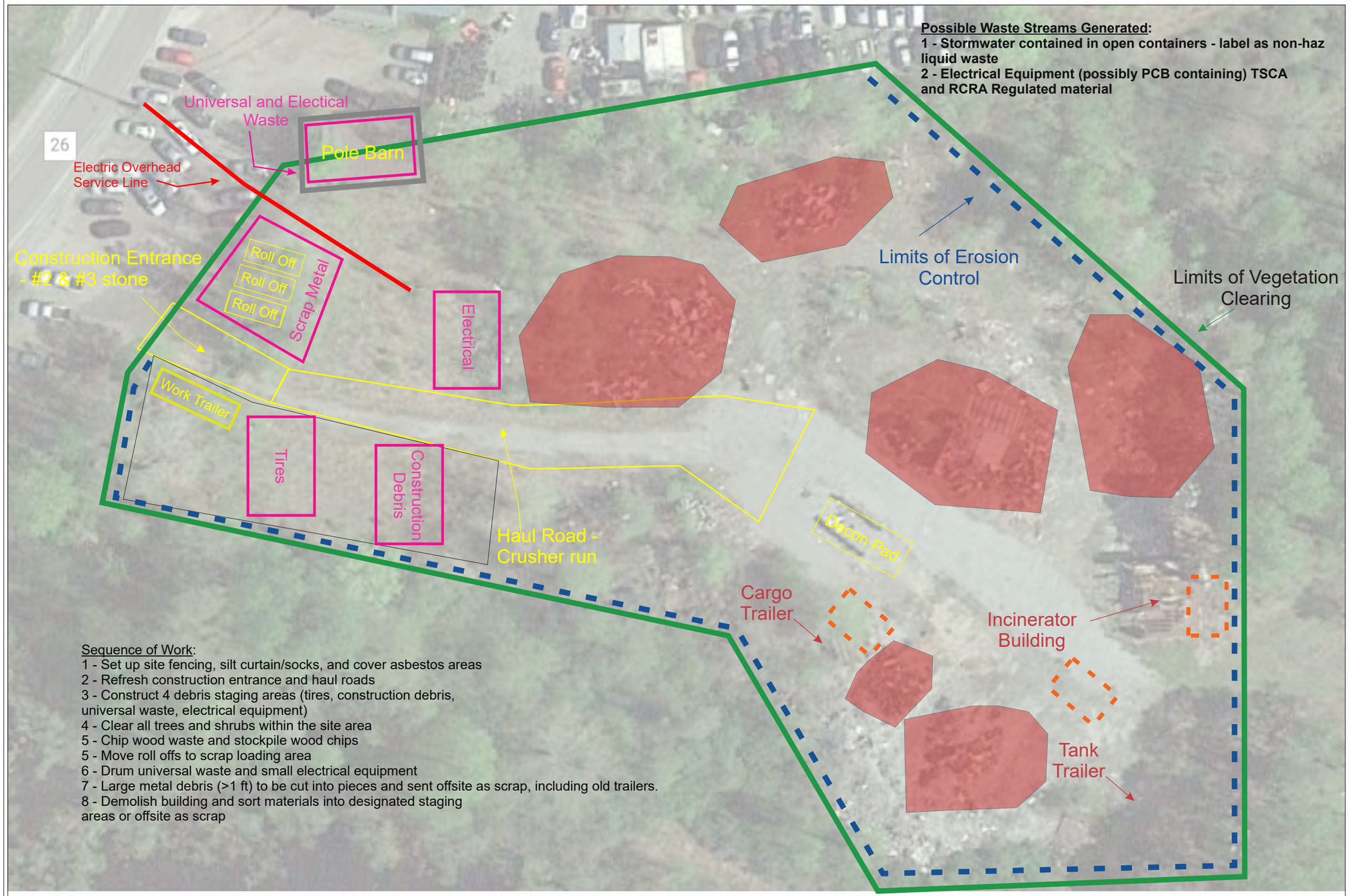
TITLE:

SITE LOCATION MAP

DRAWN BY:	H. DELGADO
CHECKED BY:	J. LAROCK
APPROVED BY:	K. SULLIVAN
DATE:	AUGUST 2021
PROJ. NO.:	432260.0000.0000
FILE:	Dwg. 1 - Site Location Map (KatzR).dwg

DRAWING 1

8.5x11 --- ATTACHED XREF'S: --- ATTACHED IMAGES: NY_Granville_20190920_TM; VT_Wells_20190702_TM;
DRAWING NAME: B:\NYSDEC\D0098\12\Work Assignments\D0098\12-16 Katzman Recycling\Figures\TRC Working Drawings\ Dwg. 1 - Site Location Map (KatzR).dwg --- PLOT DATE: August 10, 2021 - 11:25AM --- LAYOUT: 8.5x11P



Sequence of Work:
1 - Set up site fencing, silt curtain/socks, and cover asbestos areas
2 - Refresh construction entrance and haul roads
3 - Construct 4 debris staging areas (tires, construction debris, universal waste, electrical equipment)
4 - Clear all trees and shrubs within the site area
5 - Chip wood waste and stockpile wood chips
5 - Move roll offs to scrap loading area
6 - Drum universal waste and small electrical equipment
7 - Large metal debris (>1 ft) to be cut into pieces and sent offsite as scrap, including old trailers.
8 - Demolish building and sort materials into designated staging areas or offsite as scrap

PRECISION ENVIRONMENTAL SERVICES, INC.
831 RT. 67,LOT 38A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

Project Overview Map

PROJECT : Katzman Recycling Site	
LOCATION: Route 26, Granville NY	
DATE: 11/24/2021	**CREATED BY:** KMB
FIGURE 2	

LEGEND

- Debris Pile
- Lined Debris Staging Area
- Asbestos Exclusion Zone (Fence)

N

0 50 100 Feet

NOTES:

- ALL LOCATIONS ARE APPROXIMATE

Figure 3
2014 IRM Scrap Inventory

ATTACHMENT A

PRECISION
ENVIRONMENTAL SERVICES, INC.

TECHNICAL SCOPE OF WORK

INCINERATOR BUILDING DEMOLITION AND DEBRIS SORTING AND CONSOLIDATION

Katzman Recycling
Granville, New York

Site No. 558035

September 2021

Prepared For:

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared By:

TRC Engineers, Inc.

TECHNICAL SCOPE OF WORK
INCINERATOR BUILDING DEMOLITION AND DEBRIS
SORTING AND CONSOLIDATION
KATZMAN RECYCLING
GRANVILLE, NEW YORK
SITE No. 558035

PART 1 – GENERAL

1.01 BACKGROUND

A. This Technical Scope of Work (TSOW) includes **Drawings** and **Appendices** as follows:

Drawings

1. Drawing 1 - Site Location Map
2. Drawing 2 - Property Limits and Vicinity Map
3. Drawing 3 - Site Plan
4. Drawing 4 - Asbestos Sample Locations
5. Drawing 5 - PCB Wipe Sample Locations
6. Drawing 6A - Scope of Work – Overview
7. Drawing 6B - Scope of Work – Former Incinerator Building
8. Drawing 6C - Scope of Work – Debris Piles 5 and 6
9. Drawing 7 - Details

Appendices (*for Informational Purposes Only – Actual Conditions May Vary*)

1. Appendix A - Remedial Investigation Report
2. Appendix B - Limited Asbestos Survey Report
3. Appendix C - COVID-19 Risk Management Specification

B. The term "DEPARTMENT" shall mean the New York State Department of Environmental Conservation (NYSDEC or DEPARTMENT) or its authorized Representative (Representative). No work shall be performed without the authorization of the ENGINEER and the DEPARTMENT.

C. The term "ENGINEER" shall mean TRC Engineers, Inc. (ENGINEER). Unless notified otherwise, no Site work shall be performed unless a representative of ENGINEER or DEPARTMENT is on-Site.

D. CONTRACTOR shall comply with all applicable rules, codes, laws and regulations.

E. The CONTRACTOR shall not perform extra or additional work without written DEPARTMENT authorization.

F. At all times while work is being performed, the CONTRACTOR shall have on-Site a designated, qualified and competent Project Supervisor empowered to act on behalf of the CONTRACTOR in all matters pertaining to work progress and safety.

G. The CONTRACTOR shall conduct regular and frequent safety inspections and take corrective measures as warranted and directed by DEPARTMENT or ENGINEER.

H. The CONTRACTOR shall be solely responsible for any loss of or damage to property caused by the CONTRACTOR'S negligent act, error, or omission.

I. A Remedial Investigation (RI) was completed at the Site in 2018, the results of which are presented in the Remedial Investigation Report in **Appendix A**. The CONTRACTOR shall review the Remedial Investigation Report and become familiar with the investigations performed, the findings and the nature and extent of contamination, and the conclusions.

J. A Limited Asbestos Survey Report, describing inspections and sampling completed, is included in **Appendix B**. The results are summarized in the bullets below:

- The results of the survey indicate that 3 of the 49 samples analyzed contained greater than 1% asbestos: KTZ-008C and KTZ-008N, both samples of various debris from the Southern Debris Pile Area containing 7% Chrysotile and 1.9% Chrysotile, respectively; and KTZ-011A, a sample of various debris from the Eastern Debris Area (east of the Former Incinerator Building), containing 40% Chrysotile (refer to **Drawing 4**).

- Asbestos was identified at a concentration less than or equal to 1% in 1 of the 49 samples collected. Sample KTZ-009G, a sample comprised of various debris from the Northern Debris Area, was found to contain less than 1% Chrysotile.

- Sixteen of the 49 samples collected were of various building materials from the Former Incinerator Building. Asbestos was not found in any of the building materials.

K. The CONTRACTOR shall cover and secure the areas encompassing sample locations KTZ-008C, KTZ-008N, KTZ-009G and KTZ-011A, as well as any other areas where ACM or trace asbestos is identified during the work, as follows:

1. Furnish and install UV-resistant polyethylene tarps (20 mils minimum thickness) covering the sample locations and extending in each direction a minimum of 25 feet beyond each sample location. Secure the polyethylene tarps with concrete blocks or other ballast acceptable to ENGINEER. Adjacent pieces of tarp shall overlap one another by a minimum of 4 feet and shall be shingled to promote runoff away from the covered materials.

2. Furnish and install UV-resistant high-visibility fencing (i.e., snow fencing) surrounding each tarped/covered area. Install weather-resistant coated steel fence posts and secure fencing to posts in accordance with manufacturer's instructions. Refer to **Drawing 7** for fence installation details.

3. All areas of known ACM and trace asbestos shall be covered and secured with fencing at the start of the Work. The CONTRACTOR shall not enter or disturb any of the secured areas during the work.

L. The ENGINEER will provide full-time inspection services during performance of the work. If, based on visual inspections, suspected ACM is identified, the ENGINEER will direct the CONTRACTOR to stop work in the area of the suspect material and the suspect material will be evaluated by the ENGINEER. Until confirmation can be made through analytical testing, the suspect ACM area shall be delineated with fencing. The CONTRACTOR shall not enter any suspect ACM areas during the work.

M. Wipe samples were collected from the surfaces of various debris located around the Site (refer to **Drawing 5**). Samples were analyzed for polychlorinated biphenyls (PCBs). PCBs were detected in the wipe samples from locations KTZ-SW-106 (59 ug/100 cm^2), KTZ-SW-108 (0.51 ug/100 cm^2), KTZ-SW-109 (2.9 ug/100 cm^2), and KTZ-SW-110 (1.3 ug/100 cm^2). Based on these results, only KTZ-SW-106 would be considered "PCB Contaminated" (> 10 ug/100 cm^2, but < 100 ug/100 cm^2)

under 40 CFR 761.3. The debris represented by this sample will be identified by ENGINEER, and shall be segregated from all other debris in the Consolidated Debris Staging Area.

1.02 SCOPE OF WORK

A. The purpose of this TSOW is to identify the technical requirements for Site preparation. The Work includes, but is not limited to, Site clearing; demolition of a structure; sorting, size reduction, relocation, and consolidation of debris; and related work, to be performed by the CONTRACTOR at the Katzman Recycling Site located in Granville, New York (the "Site"). Refer to **Drawing 1 - Site Location Map.**

B. The Site is a 20.3-acre property located directly south of the Village of Granville near the intersection of CR 26 and US 22. The Site is listed on the New York State Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 Site. Refer to **Drawing 2 – Property Limits and Vicinity Map** and **Drawing 3 – Site Plan**.

C. The CONTRACTOR shall furnish all labor, materials, equipment, and incidentals required to complete the following scope of work (below is not a comprehensive list of all work required):

1. Pre-construction reconnaissance, planning and construction submittals, and permitting. DEPARTMENT approval of submittals is required prior to initiating the related work. CONTRACTOR shall secure all required permits prior to mobilizing to the Site.

2. All proposed Site workers of CONTRACTOR and all Subcontractors: Personnel shall have completed basic Occupational Safety and Health Administration (OSHA) Class IV asbestos awareness training, in accordance with 29 CFR 1910.1001(j)(7)(iv), as well as all other required training and medical monitoring prior to performing work at the Site, including but not limited to, training and medical monitoring in accordance with 29 CFR 1910.120.

3. Mobilization, Site preparation, furnishing of temporary power, and identifying, locating and disconnecting and capping/terminating utility lines (aboveground and underground) designated for removal or abandonment and identified by the individual Utilities (contacted during Demolition Permit process) and visually during the work. The work includes furnishing, installing and maintaining sediment and erosion control devices.

4. Implementation of a Health and Safety Plan and Community Air Monitoring Program (CAMP).

5. All locations of known ACM and trace asbestos shall be covered with polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent), anchored with concrete blocks, and surrounded with high-visibility fencing. Locations of known ACM and trace asbestos shall not be disturbed.

6. Clearing and grubbing to the limits shown on **Drawing 3**, including removal of all aboveground portions of vegetation, trees and shrubs, chipping and shredding, and stockpiling wood chips and vegetation at a location designated by ENGINEER. Underground portions of trees and shrubs (i.e., roots) shall remain in place unless otherwise specified or directed.

7. Supply and install aggregate base course and separation fabric for a Stabilized Construction Entrance and Consolidated Debris Staging Area. The location of the Stabilized Construction Entrance is partially owned by Warner's Auto Body, located at 24 County Route 26 (refer to **Figure 2**). Access to the Site and all work on this adjacent parcel (located between the paved

road surface and the Site main gate) shall be subject to access agreements between NYSDEC and the property owner, Warner's Auto Body, and shall be coordinated with ENGINEER and Warner's Auto Body.

8. Demolition of the Former Incinerator Building in its entirety, including size-reduction of demolition debris, and movement and placement/staging at the Consolidated Debris Staging Area.

9. Size reduction, sorting, relocation and consolidation of debris. Debris shall be consolidated in separate piles of each of the following waste types:

- **i.** Tires;
- **ii.** Metal, including, but not limited to, empty drums, vehicles and miscellaneous scrap;
- **iii.** Construction and Demolition Debris (CDD);
- **iv.** Universal Waste (if encountered, to be staged in the pole barn as shown on **Drawing 3**, with existing light ballasts and bulbs);
- **v.** Abandoned electrical equipment including, but not limited to, transformers and capacitors; and
- **vi.** Other material as directed.

10. Project closeout and demobilization.

1.03 REFERENCE STANDARDS

A. The CONTRACTOR shall comply with all applicable federal, state, and local laws, regulations, standards, and codes, including, but not limited to, those listed below. The following are potentially applicable references and regulations, incorporated herein by reference:

1. 29 CFR Parts 1910 and 1926, including, but not limited to, 29 CFR Part 1926 Subpart T – Demolition.
2. 6 NYCRR Part 360 – Solid Waste Management Facilities General Requirements.
3. 6 NYCRR Parts 370-376 – Hazardous Waste Regulations.
4. 6 NYCRR Parts 596-598 – Hazardous Substance Bulk Storage Facility Registration, Hazardous Substances Identification, Release Prohibition, and Release Reporting, and Handling and Storage of Hazardous Substances.
5. 6 NYCRR Parts 613 – Petroleum Bulk Storage Regulations.
6. ANSI A10.6-2016, Safety & Health Program for Demolition Operations – American National Standard for Construction and Demolition Operations.
7. NFPA 70E, Standard for Electrical Safety in the Workplace.
8. NFPA 241, Standard for Safeguarding Construction, Alteration, and Demolition Operations.
9. National Association of Demolition Contractors (NADC) - Demolition Safety Manual, latest edition.
10. New York State Building Code.
11. New York State Department of Environmental Conservation (NYSDEC) - Assessing and Mitigating Noise Impacts - Program Policy #DEP-00-1.
12. NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation (DER-10) – NYSDOH Generic Community Air Monitoring Plan.
13. New York State Department of Labor Industrial Code Rules, Part 23 - Protection in Construction, Demolition and Excavation Operations.
14. New York State Fire Code.
15. All applicable federal, state and local statutes, regulations, rules, and ordinances.
16. All applicable health and safety standards and requirements.

17. All applicable OSHA requirements and other federal, state, and local codes, laws, ordinances, regulations, and guidelines for asbestos training and safety, and demolition and related work.

1.04 APPLICATION FOR PERMITS

A. The CONTRACTOR shall identify all required permits and approvals and shall pay all fees, maintain all required insurance and obtain all permits and approvals required by local, state, and federal authorities to complete the work. A list of permits and approvals that may be required to complete the work is included below. The list does not include all required permits and approvals. Applications for permits and approvals shall be submitted to the ENGINEER prior to submission to the appropriate authority. ENGINEER's and/or DEPARTMENT's approval of applications is required prior to submittal to Authorities.

1. NYSDEC – SPDES General Permit for Stormwater Discharges from Construction Activity, Permit No. GP-0-20-001 (General Permit)
2. Village of Granville – Building Permit
3. Washington County – Demolition Permit

B. Apply for local permits in accordance with the Village of Granville, Washington County, New York Zoning Law - Article 1 - General Provisions.

1.05 SUBMITTALS

A. The CONTRACTOR shall prepare and provide all submittals listed in this TSOW and otherwise identified in these specifications. The CONTRACTOR shall ensure that the timing and scheduling of such submittals is appropriate to allow a minimum of 14 days for review by ENGINEER and DEPARTMENT.

B. Pre-Construction Submittals (all pre-construction submittals must be approved by the ENGINEER and/or DEPARTMENT prior to CONTRACTOR mobilization to the Site).

1. A Site-Specific Health and Safety Plan (HASP) that includes building demolition and material handling (size-reduction and consolidation) prepared in accordance with applicable State and Federal regulations including 29 CFR Part 1910, 29 CFR 1926, Department of Labor Safety and Health Regulations for Construction [promulgated under the Occupational Safety and Health Act (OSHA) of 1970 (PS-19-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (PS-91-54)], and Standard Operating Safety Guides (United States Environmental Protection Agency (USEPA), Office of Emergency and Remedial Response). The HASP shall be prepared consistent with the NYSDEC COVID-19 Risk Management Specification presented in **Appendix C** and include a COVID-19 Management Plan as an addendum.
2. In accordance with 29 CFR 1910.1001(j)(7)(iv), documentation of Asbestos Awareness Training for all personnel working on-Site.
    i. In accordance with 29 CFR 1910.120, documentation of OSHA training and medical monitoring for all personnel working on-Site.
3. Work Plan: Obtain the DEPARTMENT's approval a minimum of 10 business days prior to start of Site work. Work Plan shall indicate areas of demolition and removal locations, stockpile and laydown areas, proposed protections and controls, details with descriptions of the various equipment types and construction aids to be used for work, and methods for

size-reduction, consolidating and staging of debris. No claims of delay shall be permitted due to the CONTRACTOR's failure to obtain approval of the Work Plan by the DEPARTMENT. The Work Plan must specifically include at a minimum the following:

- **i.** Written description of proposed means and methods for demolition, demolition debris management and size-reduction, debris pile sorting and consolidation, transport of debris on-Site and related tasks.
- **ii.** A description of and results of the pre-demolition engineering survey conducted in conformance with OSHA 1926.850(a).
- **iii.** Project Schedule indicating proposed sequence and time frames for submittals (identify each submittal on the schedule), securing permits and regulatory approvals, mobilization, Site preparation (identify on the schedule each major Site preparation activity including, but not limited to, installation/implementation of: temporary facilities, sediment and erosion controls, clearing and grubbing, CAMP, fencing and covering asbestos locations, Stabilized Construction Entrance and Consolidated Debris Staging Area, etc.), structure demolition, debris sorting, size reduction, relocation and consolidation, securing of consolidated debris piles, submittal of close out documentation and demobilization.
- **iv.** Description of methods for dismantling structures, relocation, on-Site transport, and staging of demolition debris.
- **v.** Written description of the measures proposed for protecting individuals, property, and the environment, from dust, sediment, noise, and any other nuisances. Include, at a minimum:
  - **a.** Descriptions of proposed dust suppression methods for each individual work activity.
  - **b.** Description of proposed community air monitoring plan for particulate and dust.
  - **c.** Noise monitoring and control plan. Indicate proposed locations and construction of barriers, staging areas, etc.
  - **d.** Descriptions of proposed sediment controls to be deployed for each individual work area/activity.
- **vi.** Description of the equipment, methods, and materials (and sources) proposed for construction of the Stabilized Construction Entrance and the Consolidated Debris Staging Area.
- **vii.** List of all equipment proposed for use on-Site, including manufacturer and model number.

4. Stormwater Pollution Prevention Plan (SWPPP) including Erosion and Sediment Controls (ESCs) and Notice of Intent (NOI) for SPDES permit coverage: CONTRACTOR shall comply with the General Permit in completion of the NOI and SWPPP, as well as in performance of the work. Approval from the DEPARTMENT is required prior to submittal of the NOI, and authorization under the General Permit (or permit equivalent) is required prior to beginning any Site work.

5. Safety Data Sheets (SDS) for any products proposed for use on-Site. Approval from the DEPARTMENT is required prior to delivering any products to the Site.

6. Certifications from utility owners stating that utilities serving the structures to be demolished have been properly disconnected and abandoned.

C. Quality Assurance Submittals.

1. Qualifications.

i. Company specializing in performing the Work of this Section shall have a minimum of 3 years of experience demolishing structures of similar construction and size and shall have worked on 3 projects of similar scope and size.

ii. Erosion and Sediment Control Inspector Qualifications: Submit certifications or other evidence of accreditation of Certified Professional in Erosion and Sediment Control (CPESC), professional with a New York State Erosion and Sediment Control Certificate Program (NYSESCCP) certification, or other ENGINEER-approved professional with appropriate licensing to perform ESC inspections.

D. Quality Control Submittals.

1. Reports.

i. Existing Conditions Inspection Report: Submit existing conditions inspection report consisting of a photographic log and written descriptions of all notable existing conditions.

2. Certifications.

i. Water Supply: Certification by water utility stating utility has been properly capped off.

ii. Storm and Sanitary Sewers: Certification by municipality stating utility has been properly capped off.

iii. Gas Utility: Certification by gas utility stating utility has been properly capped off.

iv. Electric Utility: Certification by electric utility stating utility has been properly disconnected.

3. Product Submittals

i. Submit manufacturer's information, gradation and testing results, and all other information required, as evidence that the following materials proposed for the Work meet or exceed the intended requirements and specifications in **Part 2 - Products**:

a. Silt Fence and all other proposed erosion and sediment control products

b. Snow fence and posts

c. Concrete blocks (dimensions and weight) for securing tarps

d. Aggregate Base Course - name and address of source, description of material, 10 pound sample, and results of grain size analysis

e. Geotextile

f. Polyethylene Tarps

ii. Obtain ENGINEER's approval, prior to delivery to the Site, of all materials proposed for use.

4. Potable Water Source

i. Submit name and location of potable water source proposed for use in the Work.

E. Daily Construction Reports: prepare and submit daily construction reports, including descriptions of all noise and air monitoring conducted and results, a listing of all personnel and equipment in use or staged at the Site, a listing of all subcontractors employed each day and Site visitors, and a thorough description of the daily activities conducted with timeline. Submit the Daily Construction Report to ENGINEER by noon of the following work day.

F. Post-Construction Submittals:

1. Utility Certificates: Provide certificates or other documentation stating utilities have been properly cut and capped. As part of Substantial Completion, the CONTRACTOR shall furnish a report identifying locations of all utilities (active or abandoned) within the limits of the Work. The report shall identify, on a scaled drawing, utilities which are active and utilities that have been cut and capped by the CONTRACTOR. Also, the report shall show in detail how each utility was capped/sealed.

2. Village of Granville – Building Permit: Washington County Department of Code Enforcement – Local Regulation Compliance Certificate #2 (to be submitted after project completion).

1.06 CONDITION OF PREMISES

A. The CONTRACTOR shall accept the existing conditions of the premises. The DEPARTMENT assumes no responsibility for the condition or the contents of the buildings, structures and facilities on the premises covered by this TSOW, nor the continuance of the conditions existing at the time of CONTRACTOR procurement or thereafter. All damage or loss, whether by reason of fire, theft, or by other casualty or happening, to the Site, buildings, structures, and facilities covered by this TSOW shall be at the risk of the CONTRACTOR.

B. The DEPARTMENT accepts no responsibility for existing conditions at variance with information on the Drawings or specified.

C. No materials, waste, products or other items that exist at the Site at the start of the Work shall be removed from the Site.

1.07 HEALTH AND SAFETY

A. It is the responsibility of the CONTRACTOR to provide all facilities, equipment, materials, and personnel necessary to protect the CONTRACTOR's personnel from physical injury and potential adverse health effects due to exposure to biological, physical, chemical and other hazards. The CONTRACTOR shall implement health and safety practices sufficient to protect on-Site personnel, the public, and the environment from hazards particular to this project. The CONTRACTOR shall be responsible for the safety of its operation and for any damage that may result from the CONTRACTOR's work to improvements or utilities.

B. Erect and properly maintain, at all times, as required by the conditions and progress of the Work, proper safeguards (e.g., barricades, fencing, physical security, etc.) for the protection of workers and the public, and post danger warnings as required by law or otherwise required against hazards created by the CONTRACTOR's operation. Furnish, install, and remove, after completion of the work, all signs, lights, barricades, fencing and other equipment employed for the safe execution of the Work.

C. All CONTRACTOR's personnel shall wear personal protective equipment and protective clothing consistent with the levels of protection required for this work as specified by OSHA and the Site-specific HASP (refer to **Article 1.05.B.1**). Individuals working on the Site must have on-Site at all times current certifications documenting OSHA 40-hour and 8-hour refresher HAZWOPER training and medical monitoring.

D. The CONTRACTOR, in coordination with the ENGINEER, shall conduct daily Safety "Tailgate

Meetings" with all on-Site employees of the CONTRACTOR (and Subcontractors). Attendance shall be documented by sign-in sheets. The meetings shall focus on overall project activities, with emphasis on those activities anticipated to be performed each day.

E. The CONTRACTOR shall comply with the current Center for Disease Control guidance and the NYSDEC COVID-19 Risk Management Specification presented in the **Appendix C.**

1.08 PROJECT SCHEDULE

A. The CONTRACTOR shall submit a schedule and a description of means and methods proposed for each phase of the work for ENGINEER approval prior to start of the work (refer to **Article 1.05.B.4(iii)**). The work shall be completed within the approved schedule.

B. The CONTRACTOR shall perform the work during normal business hours, typically between 8:00 a.m. and 5:00 p.m., Monday through Friday unless otherwise stipulated by the local authorities/municipality. There shall be no work on state and federal holidays and weekends, without prior authorization of the DEPARTMENT and/or ENGINEER. No payment shall be made for equipment left on-Site by the CONTRACTOR during holidays and weekends and any other non-working days.

C. The CONTRACTOR shall perform each phase of the work continuously from start to finish without delay unless directed otherwise by the ENGINEER.

D. If, at any time, the ENGINEER notifies the CONTRACTOR that operations must cease in a specific area or altogether, the CONTRACTOR shall cease work until corrective actions acceptable to the ENGINEER are implemented.

E. The CONTRACTOR shall provide a minimum of two business days' notice prior to start of each phase of work.

F. The CONTRACTOR shall provide the ENGINEER at least two business days' notice if the CONTRACTOR will not be at the project Site on a day when work is scheduled to be performed.

1.09 PUBLIC OUTREACH

A. The DEPARTMENT will be responsible for all public outreach, resident notifications and communications with residents, neighboring businesses and visitors to the Site during the work. Questions from residents, visitors and government agency representatives shall be directed to the following individuals:

1. DEPARTMENT: Brianna Scharf, (518) 402-9819, brianna.scharf@dec.ny.gov,or
2. ENGINEER (TRC): Kevin Sullivan, (716) 713-8688, ksullivan@trccompanies.com.

1.10 UTILITIES

A. The CONTRACTOR shall be responsible for permitting and procurement of temporary utilities for use during the work including temporary power, temporary water source, and communications.

B. The CONTRACTOR shall provide, maintain throughout the Work, and remove following completion of the Work, temporary sanitary facilities appropriate for the number of workers planned for the project in addition to ENGINEER and DEPARTMENT representatives.

C. The CONTRACTOR shall perform all work in accordance with 16 NYCRR Part 753 "Protection of Underground Facilities." The CONTRACTOR shall be responsible for complying with all applicable "call before you dig" laws and regulations. The CONTRACTOR shall contact the appropriate call centers the required number of business days prior to the start of construction to mark out utility locations.

D. It is the responsibility of the CONTRACTOR to identify and locate all existing utilities and structures and protect same from damage, unless explicitly specified otherwise. The CONTRACTOR shall verify that all appropriate utilities are disconnected, locked out, and tagged prior to starting work on or near that utility.

E. The CONTRACTOR shall confirm the locations of all utilities have been marked prior to intrusive work. The CONTRACTOR shall preserve the utility markings (e.g., paint and flags) until no longer needed for safe excavation.

F. If overhead electrical lines must be removed for the work the CONTRACTOR shall temporarily remove the electrical lines and replace the lines as part of restoration work. The CONTRACTOR shall obtain all required permits and approvals from the appropriate authorities and utilities to perform such tasks.

G. If work is performed during periods of cold weather CONTRACTOR shall be responsible for heating of temporary facilities.

H. The CONTRACTOR shall stop work immediately and notify the ENGINEER immediately if any underground utility or structure is encountered and/or damaged.

1.11 MAINTENANCE OF TRAFFIC

A. The CONTRACTOR shall conduct operations in a manner to ensure minimum interference with roads, streets, walks, and other adjacent occupied and used facilities. Do not close, block, or otherwise obstruct streets, roadways, grass areas, walkways, and other occupied and used facilities without written permission from the authority having jurisdiction and the ENGINEER.

1.12 REGULATORY REQUIREMENTS

A. Work shall conform to all requirements of the Granville Building Code and all applicable regulations and guidelines of authorities having jurisdiction, including, but not limited to, safety, health, and anti-pollution regulations. Where more stringent requirements than those contained in the Building Code or other applicable regulations are given in this TSOW, the requirements of this TSOW shall govern.

B. Work within the street right-of-way lines, including loading and unloading of equipment and material transport, shall conform to the requirements of the governmental authorities or utilities having jurisdiction (i.e. DOT, DEP, etc.). Where more stringent requirements than of the applicable governmental authority are specified, the requirements specified shall govern.

PART 2 – PRODUCTS

(*Note: not all products required to complete the work are identified in the Technical Scope of Work.*)

2.01 MATERIALS

A. Silt Fence

1. Silt fence fabric. Furnish materials with a minimum average roll value (MARV) that meets or exceeds the criteria specified in the following table.

Mechanical Properties	Test Method	Unit	MARV
Grab Tensile Strength	ASTM D 4632	lbs	124
Grab Tensile Elongation	ASTM D 4632	%	15
Trapezoid Tear Strength	ASTM D 4533	lbs	65
Mullen Burst Strength	ASTM D 3786	psi	300
Puncture Strength	ASTM D 4833	lbs	60
Apparent Opening Size (AOS)	ASTM D 4751	U.S. Sieve	30
Permittivity	ASTM D 4491	sec^{-1}	0.10
Flow Rate	ASTM D 4491	$Gal/min/ft^2$	8
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70

2. Provide test results as part of the quality control submittal, as well as the manufacturer's certification that the material properties meet or exceed the specified values in the table.

3. WINfab 105SF-36-06-1.25, manufactured by Willacoochee Industrial Fabrics, P.O. Box 599, 769 W. Main St., Willacoochee, GA 31650, or

4. Mirafi® Envirofence - sedimentation filtering fabric (geotextile), or

5. Approved Equivalent.

B. Aggregate Base Course

1. Material for gravel ground cover shall be pit run, locally available crushed stone (NYSDOT 703-0201) or crushed gravel (NYSDOT 703-0202) in compliance with the requirements of NYSDOT Coarse Aggregate Specification 703-02. Provide naturally occurring materials only.

2. Unsuitable Material: Material unsuitable for use are clay, boulders, peat, contaminated material, construction debris, non-naturally occurring material, organics and any other material so designated by the DEPARTMENT. Unsuitable Material shall not be stockpiled and shall be promptly removed from the Site and disposed of by CONTRACTOR, at their own expense.

3. Excess Material: Any excess material not required for use in the project shall become the property of the CONTRACTOR and shall be removed by CONTRACTOR from the Site.

C. Geotextile

1. Geotextile (Separation Fabric) shall consist of woven or nonwoven polypropylene.

2. Furnish materials with a minimum average roll value (MARV) that meets or exceeds the

criteria specified in the following table. Provide test results as part of the quality control submittal, as well as manufacturer's certification that the material properties meet or exceed the specified values in the following table:

Property	Test Method	English
Tensile Strength	ASTM D4632	350 lbs
Elongation @ Break	ASTM D4632	15%
CBR Puncture	ASTM D6241	1000 lbs
Trapezoidal Tear	ASTM D4533	135 lbs
Apparent Opening Size(1)	ASTM D4751	40 US Sieve
Permittivity	ASTM D4491	0.08 Sec^{-1}
Water Flow Rate	ASTM D4491	6 $g/min/ft^2$
UV Resistance @ 500 Hours	ASTM D4355	70%

(1) *Minimum average roll value (MARV).*

3. MARV shall be based on manufacturer's data and shall be calculated as the mean value of the property of interest plus or minus two standard deviations, as appropriate. Where material properties vary among the machine and cross-machine directions, the MARV shall apply to the direction providing the lowest value when a minimum value is specified or the highest value when a maximum value is specified.
4. Acceptable Geotextiles include US Fabrics, US 2700, or Approved Equivalent.
5. Alternate Geotextile materials shall not be used unless submitted to ENGINEER and preapproved in writing by ENGINEER.

D. Polyethylene Tarps

1. Polyethylene Tarps shall be Permalon^R Ply X-210, manufactured by Reef Industries, Inc., or Approved Equivalent.
2. Polyethylene Tarps shall be UV stabilized for long-term exposure to sunlight.
3. Polyethylene Tarps shall meet or exceed the following specifications:

Property	Test Method	English
Weight	ASTM D751	81 lbs/1000 ft
Thickness	ASTM D5199	20 mil
Load @ Yield	ASTM D882	37 lbf
Load @ Break	ASTM D882	75 lbf / 3900 psi
Elongation @ Break	ASTM D882	550%
Tongue Tear	ASTM D2261	28 lbf
Trapezoidal Tear	ASTM D4533	44 lbf
PPT Resistance	ASTM D2582	50 lbf
Dart Impact Strength	ASTM D1709	3.5 lbs
Puncture Strength	ASTM D4833	45 lbs

PART 3 – EXECUTION

3.01 GENERAL

A. Prior to commencing demolition Work, complete the following:

1. Visually inspect and photograph the adjacent areas, and structures and appurtenances of the surrounding properties. Record the existing conditions in Existing Conditions Inspection Report; submit all information to the ENGINEER in accordance with **Section 1.05**.

2. The CONTRACTOR shall ensure that all electrical power supply to structures has been deactivated prior to any demolition or removal activities.

3. Verify that utilities have been disconnected and capped before starting demolition operations.

4. Verify that hazardous materials have been removed before proceeding with demolition operations.

5. Review the locations and conditions of all groundwater monitoring wells shown on **Drawing 3**. CONTRACTOR shall become familiar with locations of monitoring wells and shall protect monitoring wells from damage throughout the Work.

B. Unless directed otherwise, if, during demolition, decommissioning or removal, additional piping, utilities, etc. leading into or out of the structures is discovered, in the piping, utilities, etc., liquids shall be removed, and the piping, conduit, etc. shall be filled and sealed by the CONTRACTOR using a method acceptable to the ENGINEER. Notify the ENGINEER immediately upon discovery of such piping, utilities, etc. prior to proceeding.

C. The CONTRACTOR shall provide all labor, equipment, materials, power, and incidentals to perform the work including, but not limited to, construction of temporary facilities, clearing and grubbing, demolition of the Former Incinerator Building, size-reduction, relocation, and consolidation of debris (demolition debris and existing debris piles) in the Consolidated Debris Staging Area in support of the pre-design investigation soil sampling work to be performed by others. The CONTRACTOR shall comply with all applicable local, state, and federal rules and regulations pertaining to structure demolition, the movement of waste on-Site and all other work.

D. The CONTRACTOR shall identify and obtain all permits and approvals required in accordance with local, state and federal regulations. Submit copies of permits and approvals to the ENGINEER.

E. Mobilization includes all work necessary for access to and from work areas, including, but not limited to: submittals and training, identifying and locating buried utilities, protecting existing groundwater monitoring wells, clearing and grubbing, covering and fencing off asbestos-containing sample locations, establishment of a Stabilized Construction Entrance and Consolidated Debris Staging Area, and installation and maintenance of erosion and sediment controls.

F. Allow and coordinate for oversight from the ENGINEER during all field activities.

G. The CONTRACTOR shall establish and maintain designated on-Site Work Areas, including materials stockpile/staging areas, temporary facilities, entrance/exit zones and on-Site traffic lane areas at the locations approved by the ENGINEER. These areas shall be established and maintained so as to minimize any associated impacts to the neighborhood and local traffic. There shall be no staging or queuing of vehicles or equipment outside of the boundaries of the Site. The

CONTRACTOR shall furnish and maintain temporary sanitary facilities on-Site (a minimum of two shall be maintained on-Site at all times during work on-Site). Temporary sanitary facilities shall be placed in an inconspicuous location at least 50 feet from any public road and situated so that they do not open toward the road.

H. The CONTRACTOR shall protect the work area with warning tape and install visible barricades around the work area to assure unauthorized personnel do not enter the work zone. Protection shall be maintained throughout the work duration. Prior to the start of work on-Site the CONTRACTOR shall erect and properly maintain at all times, as required by the conditions and progress of the Work, proper safeguards for the protection of workers and the public and post danger warnings as required by law against hazards created by the CONTRACTOR's operation. The CONTRACTOR shall be responsible for furnishing and installing protection at locations where the work creates the need for such as dictated by and in accordance with OSHA regulations and/or other local, state and federal regulations as applicable. At the end of each day, place temporary barricades around the perimeter of all areas deemed hazardous by the ENGINEER.

I. Decontamination shall be performed in an area specifically set up by the CONTRACTOR (i.e., Decontamination Zone) for that purpose, curbed, and lined with an impermeable membrane, to contain the used cleaning solution, including any overspray, and any contaminated debris removed during the cleaning process.

J. All waste and wastewater resulting from decontamination shall be collected and containerized by the CONTRACTOR in 55-gallon drums that meet USDOT requirements for transportation of hazardous materials. Deliver only new, unused drums to the Site. Drums shall be labeled and stored with properly secured lids as specified and directed. Drums stored at the Site, unless empty, shall be stored in portable secondary containment structures manufactured specifically for the intended purpose.

K. The CONTRACTOR shall assume all responsibility for the security of materials, supplies and equipment owned or used by the CONTRACTOR.

L. The CONTRACTOR shall not close or obstruct streets, sidewalks, or other adjacent occupied or utilized facilities without permission from authorities having jurisdiction. Operations shall be conducted so as to prevent interference with and damage to roads, streets, sidewalks and other adjacent occupied and utilized facilities. The CONTRACTOR shall repair, to pre-existing condition, any public or private roads, driveways, parking areas, sidewalks, curbs or other areas damaged. Remove all materials and residues tracked onto public roadways on a daily basis, at a minimum.

M. The CONTRACTOR shall protect monitoring wells, benchmarks, survey control points, existing structures, fences, sidewalks, paving, and curbs from heavy equipment, tracked equipment, and vehicular construction traffic.

3.02 PREPARATION AND PROTECTION

A. Locate, identify, disconnect, and seal or cap off any existing utilities serving the Former Incinerator Building to be demolished:

1. Arrange to shut off and disconnect utilities with the utility companies.
2. Cut beyond the limits of the structure, cap and seal all identified utilities according to requirements of authorities having jurisdiction prior to start of demolition. Record location of cut and capping details and submit sketches to ENGINEER.

3. Do not start demolition work until utility disconnecting and sealing have been completed and verified in writing by utility owner. Provide necessary documentation to the ENGINEER.

4. Maintain utility services to remain and protect from damage during demolition.

B. Erect temporary protection, such as walks, fences, railings, and canopies where required and as indicated:

1. Protect adjacent property, buildings and facilities from damage due to demolition.

2. Protect existing Site improvements, utilities, appurtenances, and landscaping to remain.

3. Erect a plainly visible fence around drip line of individual trees or around perimeter drip line of groups of trees to remain. Provide protection to trunks of protected trees.

C. Protect structures, underground and aboveground utilities, groundwater monitoring wells and any other construction to remain from damage caused by demolition and other operations. If unmarked or unknown utilities are uncovered during work, notify the ENGINEER to receive further instructions prior to proceeding further. Should damage to adjacent construction or utilities occur due to the Work and by the CONTRACTOR'S negligent act, error, or omission, all costs in connection with the repair of such damage and the restoration of damaged construction to its original condition shall be borne by the CONTRACTOR.

D. The CONTRACTOR shall ensure that structural elements are not overloaded and shall be responsible for increasing structural supports and adding new supports as required as a result of any cutting, removal, or deconstruction work. If needed, such supports shall be designed by a Professional Engineer licensed in the State of New York. Repairs, reinforcement, and structural replacement must have the ENGINEER's approval.

E. Protect materials, surfaces, and structure, which are to remain, from damage; if damage occurs, repair or replacement shall be made by the CONTRACTOR, to the satisfaction of the DEPARTMENT, and at the expense of the CONTRACTOR.

F. Protection of Adjoining Property:

1. The Work of demolishing the Former Incinerator Building shall be carried out in a manner that will protect adjacent property against any damage that might occur from falling debris or other cause and so as not to interfere with the use of adjacent facilities or the free and safe passage to and from the adjacent properties, facilities and structures.

2. The CONTRACTOR shall be solely and entirely responsible for the safety and support of such buildings, structures, and facilities, and shall be solely liable for any such movement or settlement and any damage or injury caused as a result of the Work.

G. Precautions:

1. The work of demolition shall be carried out in every respect in a thorough and workmanlike manner. The CONTRACTOR shall provide all materials, labor and machinery necessary and shall place proper and sufficient lighting, guards, barricades, fences and warning signals by day and by night for the prevention of accidents.

2. The CONTRACTOR shall secure the Site to prevent any trespassing and potential accidents that could occur as a result. The main gate at the entrance shall be closed and locked at all

times when vehicles are not entering or exiting at the end of each work day. The CONTRACTOR shall not leave any partially demolished structures in an unstable condition.

3. All necessary and reasonable precautions shall be taken against fire throughout all the CONTRACTOR's operations. The amount of flammable material shall be reduced to a minimum consistent with the proper handling and storing of materials. Provisions shall be made for the extinguishing of fires, as required by the Fire DEPARTMENT, Fire Marshall and all authorities having jurisdiction. The CONTRACTOR shall not permit any fires.

H. Perform the removal and reinstallation of relocated items, or repair of items damaged by CONTRACTOR's work, with workmen skilled in the trades involved. Repair items to be relocated which are damaged or replace damaged items with new undamaged items.

I. The ENGINEER will identify areas of known surface contamination. CONTRACTOR shall either cover surface contamination as directed or be restricted from passing, driving, or tracking through these areas during the Work.

3.03 EROSION AND SEDIMENT CONTROL

A. Install silt fence and all other materials required by this TSOW and the General Permit prior to disturbance of the ground surface, clearing and grubbing, demolition, Consolidated Debris Staging Area construction, and other primary tasks.

B. At a minimum, erosion controls shall be installed around (or down gradient of, for sloped areas) all staging areas, work areas, debris piles to be investigated and consolidated, and demolition area. Comply with the SWPPP and General Permit for all ESC installations, inspections, maintenance, repairs, and removals.

C. Provide temporary ESC measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust. Public roads used during the work shall be maintained free of soil and debris at all times. The CONTRACTOR shall remove mud and soil tracked onto roads immediately and no less frequently than daily. Public roads include all roads, driveways and parking areas.

D. Measures employed for limiting soil erosion and off-Site pollution by sedimentation shall include, but not be limited to, vegetative cover and/or sediment control devices. The CONTRACTOR shall maintain erosion and sedimentation controls as required by field conditions and as directed. The CONTRACTOR shall inspect erosion and sedimentation controls daily and immediately after rainfall. Make repairs immediately. Inspections shall be performed by a Certified Professional in Erosion and Sediment Control (CPESC) or a professional with a New York State Erosion and Sediment Control Certificate Program (NYSESCCP) certification, or other appropriately licensed and ENGINEER-approved professional.

E. Silt fence shall be installed around all stockpiles and along the entire length of the downgradient side of the limits of clearing and grubbing, shown on **Drawing 3**. Silt fence shall comply with the specifications in the TSOW, and shall be designed to prevent sediment transport.

F. Existing trees, shrubs, and other ground cover outside of the work area are a buffer to soil erosion and shall be protected. During construction, the CONTRACTOR shall exercise care to prevent damage to existing vegetation not specified for removal. Construct barriers to surround trees and other vegetation. Perform all clearing and grubbing as specified in **Section 3.06**.

G. Workers at the construction Site shall be cognizant of ESCs and shall be involved in guarding against damage to vegetated areas not specified for removal.

H. The CONTRACTOR shall remove and stockpile excess sediment from ESC structures at an on-Site location as directed by ENGINEER.

I. Care shall be taken to prevent potential for impact to the nearby surface water body, storm drain inlets and catch basins. The CONTRACTOR shall keep silting of underground storm drainage piping from occurring and contain off-Site pollution caused by sediment laden run-off using a permeable barrier around drain inlets.

J. Inspect, repair, and maintain erosion and sedimentation control measures during construction until demobilization. Stockpile accumulated sediment at an on-Site location as directed by the ENGINEER.

K. Remove erosion and sedimentation controls when directed by the ENGINEER (and not before) and restore and stabilize areas disturbed during removal. Properly dispose of all CONTRACTOR-generated waste.

3.04 COMMUNITY AIR MONITORING AND NUISANCE CONTROL

A. The CONTRACTOR shall implement a Community Air Monitoring Plan (CAMP) consistent with the New York State Department of Health requirements for a Generic Community Air Monitoring Plan in Appendix 1A (and accompanying Appendix 1B) of NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation. Monitoring in accordance with the CAMP shall be performed during all times while work is being performed on the Site.

B. The CONTRACTOR shall control noise, dust, vapors, air pollution, erosion by wind, and odors in accordance with the CAMP and Fugitive Dust and Particulate Monitoring Program of NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation, so as to prevent a hazard or nuisance to traffic, neighbors and pedestrians. The CONTRACTOR shall control noise and other potential nuisances in accordance with all applicable ordinances.

C. The CONTRACTOR shall abide by all requests and instructions pertaining to conformance with the CAMP. If at any time, CAMP is not being properly implemented in the opinion of the ENGINEER or a CAMP action level is exceeded, work shall stop immediately and not resume until an ENGINEER-approved corrective action is implemented.

D. The CONTRACTOR shall cover consolidated debris piles and other staged materials such as drums, as well as areas of known ACM with polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent). Polyethylene tarps shall be secured with concrete blocks, to prevent movement. Polyethylene tarp bottom liners shall be deployed before stockpile construction and debris stockpiles shall be covered with tarps immediately after construction. Stockpiles shall remain completely secured unless material is being added or removed. Additionally, the perimeters of stockpiles shall be surrounded by silt fence as shown on **Drawing 7**.

E. The CONTRACTOR shall provide and install polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent) covering all areas of known ACM and trace asbestos material during mobilization, and all other areas identified as such during the work, immediately upon direction from the ENGINEER. Maintain on the site at all times during the work spare polyethylene tarps, a minimum of 5,000 square feet of the above-specified product.

F. Dust Suppression:

1. During demolition, debris consolidation, test pit excavation, and any other potential dust generating activities, thoroughly wet down the work with clean water to prevent any airborne dust and dirt. The CONTRACTOR shall provide water tanks, pumps, piping, hoses, etc. for this purpose and furnish all power and connections, at CONTRACTOR's own cost and expense. Do not use more water than necessary for dust control, and do not allow any water runoff to leave the immediate work area.

2. Equipment used for crushing concrete and masonry shall be equipped with an integral dust suppression system. If crushing equipment is not equipped with an integral dust suppression system an alternate dust suppression plan satisfactory to the ENGINEER shall be required.

3. Upon completion of the Work, all temporary water and temporary facilities installed by the CONTRACTOR shall be removed by the CONTRACTOR at CONTRACTOR's own cost and expense.

4. Do not create hazardous or objectionable conditions such as runoff, ice, flooding and pollution.

3.05 ASBESTOS AWARENESS TRAINING

A. The CONTRACTOR shall ensure that all workers at the Site have completed Asbestos Awareness Training from an accredited program in accordance with 29 CFR 1910.1001(j)(7)(iv). This training is intended for individuals involved in minor tasks where ACM may be accidentally disturbed.

3.06 CLEARING AND GRUBBING

A. The work of this Section consists of clearing, grubbing, removing, and chipping of vegetation from within the limits shown on **Drawing 3** and as required for the Work. Vegetation and trees designated to remain shall be preserved free from injury or defacement.

B. DEPARTMENT will designate trees, shrubs, plants, and other objects to remain. Any object that is designated to remain and is damaged shall be repaired or replaced as directed by DEPARTMENT, at CONTRACTOR's expense.

C. Burning of wood or other material is not permitted on the Site.

D. Avoid the removal of trees, shrubs, and woody vegetation from beyond the designated areas. If possible, construct access ways and staging areas away from trees and vegetation.

E. The CONTRACTOR shall indicate on their Work Plan, where clearing and grubbing is required beyond the designated areas. Clearing and grubbing beyond these areas shall only be allowed if it is proposed by the CONTRACTOR and accepted by the DEPARTMENT as part of the approved Work Plan.

F. Clearing and grubbing shall not start until approval by the ENGINEER.

G. The CONTRACTOR shall use means of clearing and grubbing that minimize disruption of the surrounding soil and sediment, and generation of potential sources of erosion. Limit the generation of soils and suspended solids during clearing and grubbing.

H. Cut and remove timber, trees, stumps, brush, shrubs, roots, grass, weeds, rubbish, and any

objectionable material resting on or protruding through the surface of the ground where it will impact the Work, and where shown, specified and directed.

I. Cut stumps off flush with ground surface or below, and if in the water, at water surface or below if needed for the Work.

J. Clearing and grubbing waste may be chipped and left on-Site. Burning of waste are not allowed. ENGINEER will designate a location on-Site for staging chipped materials.

K. Do not operate heavy equipment or stockpile materials within the branch spread of existing trees to be protected.

L. Upon completion of clearing and grubbing within the limits shown on **Drawing 3** and to the satisfaction of the ENGINEER, CONTRACTOR shall install high-visibility fencing delineating the edge of the work area (i.e., limit of clearing and grubbing). Installation of fencing, posts, ties, and other appurtenances shall be in accordance with **Drawing 7** and the manufacturer's instructions.

3.07 STABILIZED CONSTRUCTION ENTRANCE AND CONSOLIDATED DEBRIS STAGING AREA

A. Install a stabilized construction entrance (in addition to other applicable General Permit requirements) and a Consolidated Debris Staging Area. Construction of these areas shall consist of a uniform 6-inch thick compacted layer of aggregate base course underlain by the specified Geotextile.

B. Stabilized Construction Entrance shall extend from the edge of pavement (County Route 26) to the Consolidated Debris Staging Area, and shall be a minimum of 20 feet in width.

C. Install the Consolidated Debris Staging Area to the extents shown on **Drawing 3**.

D. Place Geotextile below aggregate base course in all areas to be covered with aggregate base course, including Stabilized Construction Entrance and Consolidated Debris Staging Area, shown on **Drawing 3**.

E. Prepare the ground surface to ensure that no potentially harmful foreign objects or debris are present. Remove sharp and pointed items and any other items that could potentially damage the Geotextile prior to placement of Geotextile, and stage these items until the consolidation area is constructed. After completion of construction of Consolidated Debris Staging Area add items to consolidated piles as directed.

F. Overlap adjacent Geotextile panels a minimum of 12 inches.

G. Install Geotextile in accordance with manufacturer's instructions, including securing and anchoring the Geotextile.

H. Wrinkles and folds in the Geotextile shall be removed by stretching and staking. Geotextile may be held in place prior to placement of cover by pins, staples, or piles of aggregate. On curves, the Geotextile may be folded to conform to the curve. The fold or overlap shall be in the direction of construction and held in place as prescribed above.

I. Take necessary precautions to prevent disturbance of prepared ground or damage to Geotextile during placement of the Geotextile. After placement, the Geotextile shall not be left exposed for a

period more than 24 hours.

J. Place Aggregate Base Course carefully on top of Geotextile. Ensure Geotextile and underlying ground surface is not disturbed or damaged, that Geotextile does not move, and that excess stresses at wrinkles are not produced in the Geotextile.

K. Place and spread aggregate base course in a single uniform minimum 6-inch thick loose lift. Compact Aggregate Base Course using smooth-drum vibratory roller to the degree that no further appreciable consolidation or movement of the base is evidenced under action of the compaction equipment. Compaction equipment shall be capable of a minimum effective compaction force of 200 pounds per inch of drum width, and a minimum effort of 6 passes at maximum speed of 4.5 feet per second shall be applied.

L. Trap all wrinkles that are generated during stone placement by "casting" stone onto the Geotextile rather than "pushing" the stone.

M. Place successive layers of loose aggregate and compact as specified to provide a full 6-inch compacted thickness of Aggregate Base Course. Minimum required extent of the Consolidated Debris Staging Area is shown on **Drawing 3**. Stabilized Construction Entrance shall be minimum 20 feet in width, extending from the pavement to the Consolidated Debris Staging Area.

N. Ensure that the surface elevation of the Aggregate Base Course for the completed Stabilized Construction Entrance meets the edge of pavement evenly, with no abrupt elevation changes.

O. Do not allow any material to be deposited on the pavement or public rights of way.

P. Field Quality Control

1. CONTRACTOR shall be fully responsible for continuous inspection and maintenance of the Stabilized Construction Entrance and Consolidated Debris Staging Area surface coverings.
2. Any settlement, pumping, or other indications that maintenance is needed, whether identified by CONTRACTOR, ENGINEER, or DEPARTMENT, shall be immediately corrected by CONTRACTOR.

Q. The Stabilized Construction Entrance and Consolidated Debris Staging Area shall be kept in good repair and shall remain in place following completion of the Work.

3.08 DEMOLITION OF FORMER INCINERATOR BUILDING

A. Numerous samples have been collected of the various building materials from the Former Incinerator Building. Although none of the samples collected contained asbestos or trace asbestos, continued visual inspections shall be performed by ENGINEER and CONTRACTOR during the demolition.

B. During the Work, CONTRACTOR shall notify the ENGINEER, and arrange for inspection by the ENGINEER, of suspected ACM, if any encountered during demolition. When directed by ENGINEER, CONTRACTOR shall halt work in the affected area, and obtain the ENGINEER's approval prior to resuming work. Without proper licensing, CONTRACTOR shall not disturb or remove any suspected or confirmed ACM or trace asbestos materials.

C. Demolition of the Former Incinerator Building (refer to **Drawing 6B**) shall be performed in a systematic manner.

1. Proceed with demolition of structural framing members systematically, from higher to lower level. Complete building demolition operations above each tier before disturbing supporting members on the next lower level.
2. Remove debris from elevated portions of the building in a controlled descent.
3. Do not place materials on any elevated portion during demolition, but lower at once to the ground.
4. Remove structural framing members by unbolting or torching, and lower to ground by method suitable to prevent ground impact and dust generation.
5. Do not drop structural framing members to the ground.
6. Demolish all components of the structure entirely. Demolish footings and foundation. Reduce all resulting debris to maximum of 4 feet in any dimension. Transport all resulting debris to the Consolidated Debris Staging Area. At completion of the Work all elements of former structure and contents of the structure shall have been reduced to no greater than 4 feet in any dimension and stockpiled in the Consolidated Debris Staging Area as specified and directed.
7. After demolition, cover entire footprint of former structure and surrounding disturbed areas with Geotextile and 6-inch thick layer of aggregate base course as specified above in **Section 3.07**. Additional filling of resulting voids is not required.

D. Do not bring explosives to Site or use explosives.

E. Removal and staging of hazardous, flammable, toxic, and corrosive substances, if any, shall be in strict compliance with governing laws and regulations.

F. After size reduction, transport all demolition debris to the Consolidated Debris Staging Area as shown in **Drawing 3**. Staging of demolition debris shall be consistent with the requirements in **Section 3.09**, below.

G. No demolition debris or existing on-site debris shall be transported off-Site.

H. All demolished material, including metal scrap, concrete and brick debris, and other miscellaneous materials shall be segregated by material type, and staged in the Consolidated Debris Staging Area for further handling under a future contract.

I. All materials shall be reduced in size to a maximum dimension of no greater than 4 feet.

J. Demolition and waste material management shall be performed using conventional machinery such as a backhoe, loader, excavator or other mechanical equipment. No blasting shall be allowed.

K. All staged debris and wastes shall be placed on 20-mil polyethylene tarps and shall be covered with polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent) specifically manufactured for this purpose and secured with concrete blocks.

L. Dust Control and Wetting Down:

1. CONTRACTOR shall provide a temporary potable water source or transport potable water to the Site for use in dust control. Water shall be transported in vehicles dedicated to transporting potable water.
2. During the demolition (as well as during the Debris Consolidation and Staging, **Section 3.09**),

thoroughly wet down the Work to prevent any dust and dirt from rising. The CONTRACTOR shall provide tanks, water pumps, piping, hoses, etc. for this purpose and furnish all power and connections, at CONTRACTOR's own cost and expense. Do not use more water than necessary for dust control, and do not allow runoff to leave the immediate area. Excess water shall be collected and managed by CONTRACTOR.

3. The CONTRACTOR shall implement all elements of the CAMP (refer to **Section 3.04**) during demolition as well as during all other Site tasks. No visible dust shall be allowed.

4. Corrective action shall be implemented by the CONTRACTOR based on monitoring results and as directed by the ENGINEER.

5. Upon completion of the Work, all temporary water and other temporary facilities installed by the CONTRACTOR shall be removed by the CONTRACTOR at CONTRACTOR's own cost and expense. Do not create hazardous or objectionable conditions such as ice, flooding and pollution.

M. Utility Lines:

1. CONTRACTOR shall completely remove aboveground portion of abandoned utilities and utilities to be isolated and abandoned by the CONTRACTOR and cap/seal below final specified ground surface coverings.

2. The CONTRACTOR shall disconnect, cut, cap and/or seal in place, all utilities identified at the Site.

3. The CONTRACTOR shall identify the location and condition of any existing utilities and manholes found at the Site. Locations shall be marked on one of more of the drawings included in this scope of work, and submitted to ENGINEER. Submit sketches showing utility capping/sealing details, identify each specific utility type and location.

N. Routine Cleaning: Clean adjacent structures and improvements of dust, dirt, and debris related to building demolition operations. Return adjacent areas to condition existing before demolition work began or as specified.

3.09 DEBRIS CONSOLIDATION AND STAGING

A. All aboveground, large debris (i.e., metal debris, drums, tires, building materials, etc.) shall be moved, transported to, and consolidated at the Debris Consolidation and Staging Area. Large debris is any debris greater than one foot in any dimension. Any separable large debris that is visible in the soil/ash piles shall be removed, but the soil/ash piles shall remain in place. Materials designated as ACM or trace asbestos shall remain in place. Refer to **Drawing 6A** for illustration of the primary debris piles and **Drawing 6C** for details related to Debris Piles 5 and 6.

B. Large debris shall be size-reduced by cutting, shearing, or other means, to no greater than 4 feet maximum dimensions.

C. Refer to **Section 3.08.L** for dust control and wetting requirements.

D. Consolidation shall be performed by the CONTRACTOR such that separate piles of each of the five following waste types are created:

1. Tires;

2. Metal, including, but not limited to, empty drums, vehicles and miscellaneous scrap;

3. Construction and Demolition Debris (CDD);

4. Universal Waste (if encountered, to be staged in the pole barn as shown on **Drawing 3**, with existing light ballasts and bulbs);

5. Abandoned electrical equipment including, but not limited to, transformers and capacitors; and

6. Other material as directed.

E. Consolidated debris/waste piles shall be placed on polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent) and shall be securely covered with the same material and anchored with concrete blocks as shown on **Drawing 7**.

F. Consolidated debris/waste piles shall not exceed 8 feet in height, and shall be constructed in a safe and stable manner. Potentially unstable conditions identified by ENGINEER shall be immediately corrected by CONTRACTOR

G. Empty drums, transformer hulls, and other metal debris that may be holding liquids shall be evaluated by ENGINEER and CONTRACTOR prior to movement or disturbance.

H. Debris that is confirmed to be empty shall be moved directly to the Consolidated Debris Staging Area, and staged in accordance with this section.

I. Debris that is suspected of containing free liquids shall be handled according to the following procedure, unless otherwise directed by ENGINEER:

1. Procure and prepare an appropriately sized spill pallet or plastic tub in a location designated by ENGINEER in the Consolidated Debris Staging Area. The capacity of the containment device shall be sufficient to contain the entire volume of the item in addition to a 10-percent contingency to allow for potential precipitation.
2. Steel or plastic drums that are found to contain liquids or solids shall be immediately overpacked prior to any other movement.
3. Move the overpack drum or debris/equipment with extreme caution, taking care not to allow any spillage of residual liquids, and without rotating the debris from the position in which it was found.
4. Carefully place the piece of debris in the containment device and install an appropriately sized polyethylene tarp cover (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent) and concrete block anchoring.
5. Stage overpack drums in a separate location identified by ENGINEER, on appropriately sized spill pallets. All overpacks shall be covered using appropriately sized polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent) secured with concrete blocks.
6. Polyethylene tarps shall be sized to cover the equipment or drums and containment devices/tubs/pallets completely, and shall be secured with concrete blocks or other ENGINEER-approved ballast. Install covers to shed precipitation.

J. Potentially hazardous liquids or petroleum that is released during movement shall be reported to ENGINEER. ENGINEER will be responsible for reporting of the spill in accordance with applicable local, state, and federal rules and regulations. In addition, for all spills, CONTRACTOR shall:

1. Immediately stop the flow of liquid by uprighting the debris or container,
2. Block the migration of the flow using earthen berms or other means,
3. Excavate all visibly impacted soil and place excavated material in clean 55-gallon steel drums,
4. Delineate the spill area using fencing, maintaining the excavation open to facilitate potential confirmation sampling by ENGINEER, and
5. Move the filled or partially filled drums to the Consolidated Debris Staging Area as described above.

K. Upon completion of the Debris Consolidation and Staging activity, notify ENGINEER and accompany ENGINEER on a detailed examination of the Site to ensure all debris has been addressed.

3.10 DEBRIS RELOCATION AND CONSOLIDATION

A. Debris piles identified in **Drawings 6A and 6C** shall be relocated, the debris shall be size-reduced as directed, and transported to, and consolidated at the Consolidated Debris Staging Area. Where debris piles are in contact with a soil/ash pile (i.e., Debris Pile 6, refer to **Drawing 6C**), CONTRACTOR shall exercise care to limit disturbance of the soil/ash pile while removing debris.

B. Under no circumstances shall CONTRATOR perform any excavation without ENGINEER or DEPARTMENT present.

C. General

1. Debris relocation, size reduction, consolidation, and staging shall be performed only at the direction of the ENGINEER.

2. Debris handling shall be performed using an excavator with an appropriate reach.

3. The ENGINEER will record descriptions of the consolidated debris.

4. Grossly contaminated soil, if encountered, shall be managed as directed by the ENGINEER.

D. Preparation

1. CONTRACTOR shall designate a representative to accompany ENGINEER at each test pit location. All intended hand signals to be used during the excavation should be reviewed and understood between the representative of CONTRACTOR directing the operation and the equipment operator(s). Directions given from ENGINEER to CONTRACTOR's representative shall be verbal.

2. During debris related work, ENGINEER will direct the CONTRACTOR and be responsible for record-keeping, photography, and, if necessary, sample collection, storage and related-documentation.

E. Description of Work

1. All aboveground debris piles that are within the targeted area, excluding locations of confirmed ACM or trace asbestos material, shall be moved to the Consolidated Debris Staging Area for placement in accordance with **Section 3.09**.

2. Debris removal and loading shall be conducted in a controlled manner, and using appropriate equipment (e.g., bucket thumbs, grapple, multi-processor, or shear), so that debris can be easily separated from surround soil and/or ash material as directed by ENGINEER.

CONTRACTOR shall minimize the amount of soil/ash material that is removed with the debris.

3. CONTRACTOR shall take care to not exceed the capacity of the excavation equipment . Excavated debris shall not be allowed to heap above the rim of the bucket, increasing the potential for dropping waste materials during loading.
4. Excavated debris shall be placed, not dropped, directly into the transport vehicle (e.g., dump truck, flat bed truck, etc.), and when full, the debris shall be appropriately secured to prevent movement during transport.
5. Each load of debris shall then be transported to, and staged for consolidation at the Consolidated Debris Staging Area.
6. Upon completion of each Debris Pile removal, if directed by the ENGINEER, CONTRACTOR shall investigate the subsurface for the presence of waste materials using the below procedure.

3.11 TEST PIT EXCAVATION

A. General

1. Below grade excavation and test pit excavation shall be performed only at the direction of the ENGINEER.
2. Test pits shall be excavated using a backhoe or excavator with an appropriate reach such that an excavation depth of 4 feet and an excavation length of 8 feet can be achieved.
3. Limits of waste, any grossly contaminated soil encountered, and other observations will be recorded by the ENGINEER.

B. Preparation

1. CONTRACTOR shall designate a representative to accompany ENGINEER at each test pit location. All intended hand signals to be used during the excavation should be reviewed and understood between the representative of CONTRACTOR directing the operation and the equipment operator(s). Directions given from ENGINEER to CONTRACTOR's representative shall be verbal.
2. Prior to penetrating the ground surface, CONTRACTOR shall ensure that proper utility clearances have been performed. No work shall commence if the proper utility clearance has not been completed.
3. During test pit excavation, ENGINEER will direct the CONTRACTOR and be responsible for record-keeping, photography, and, if necessary, sample collection, storage and related-documentation.

C. Description of Work

1. Maximum depth of test pits shall be 4 feet.
2. If subsurface utility line locations were identified at or nearby the location prior to test pit excavation, CONTRACTOR shall advise the ENGINEER.
3. Initiate the excavation in lifts of 4 to 6 inches as directed by ENGINEER. ENGINEER will record observations as the test pit is advanced. Test pits shall be up to 8 feet in length and no more than 2 feet in width.

4. Excavated soil/material shall be placed no closer than 2 feet from the edge of the test pit.
5. Excavated material shall be placed on polyethylene tarps (minimum 20 mils thick). Excavated materials from separate test pits shall not be combined.
6. Excavation activities and observations will be recorded by ENGINEER.
7. CONTRACTOR shall maintain test pits open until directed by ENGINEER to close the test pit.

D. Closure of Test Pits

1. At each location material excavated will be returned to the excavation using a "last out – first in" sequence.
2. CONTRACTOR shall compact the backfilled soil in lifts and not leave surface depressions, voids, surface debris or trip hazards at completion.
3. Return the surface conditions to pre-excavation conditions.

3.12 EQUIPMENT DECONTAMINATION

A. The CONTRACTOR shall evaluate the existing decontamination pad, and if practicable, perform any needed maintenance and/or repairs to return the decontamination pad to a sound operable condition. If the CONTRACTOR determines, and ENGINEER agrees, that use of the existing decontamination pad is not practical or feasible, CONTRACTOR shall construct a temporary decontamination pad for use at the Site.

B. All equipment shall be provided to the work Site free of contamination. The ENGINEER may prohibit from the Site any equipment that in its opinion has not been thoroughly decontaminated prior to arrival.

C. The CONTRACTOR is prohibited from decontaminating equipment on the project Site that is not thoroughly decontaminated prior to arrival.

D. The CONTRACTOR shall furnish labor, materials, tools and equipment for decontamination. Decontamination shall be conducted within the Waste Accumulation Area designated on the drawings, and at a dedicated location approved by the ENGINEER. All equipment and supplies that contact debris, demolition material, groundwater, the ground surface and/or subsurface, and other contaminated materials shall be decontaminated. Full decontamination shall be required at completion of the Work, prior to removal of material and equipment from the Site. Partial decontamination may be required by the ENGINEER as the CONTRACTOR moves affected equipment between different areas of the Site. All decontamination materials shall be collected, containerized, labeled, and placed for storage at the Consolidated Debris Staging Area.

E. Contact with potentially contaminated materials shall be kept to a minimum. Personal protective equipment shall be properly disposed of or decontaminated.

F. The CONTRACTOR shall furnish, operate and maintain at the Site during work a truck and equipment decontamination pad to remove material on the tires, tracks, undercarriage and other parts of vehicle exteriors and equipment. Vehicles and equipment shall be washed with potable water and a detergent and rinsed with potable water. All wastewater and sediment shall be collected, containerized, labeled, and stored on pallets in USDOT-approved 55-gallon drums in the Consolidated Debris Staging Area. All drums placed in storage shall be covered completely with polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc.) anchored with concrete blocks.

G. The CONTRACTOR shall perform routine maintenance on the decontamination pad prior to final demobilization, and leave the decontamination pad in place. If the existing decontamination pad is used, the CONTRACTOR shall perform routine maintenance on the decontamination pad prior to final demobilization, and leave the decontamination pad in place. If a temporary decontamination pad is used, the CONTRACTOR, the decontamination pad and all related materials and equipment shall be removed from the Site.

PART 4 – SITE RESTORATION

A. Upon completion of the Work under this Contract, the CONTRACTOR shall remove all tools and materials, plant, apparatus, CONTRACTOR-generated waste, rubbish and debris, and shall leave the premises clean, neat and orderly.

B. All ESCs shall be fully cleaned and maintained prior to demobilization. All ESCs shall be left in place at the completion of the Work. The stabilized construction entrance shall be cleaned and restored, and the consolidated debris and stockpiles shall be securely covered with polyethylene tarps (i.e., Permalon^{R} Ply X-210, manufactured by Reef Industries, Inc. or Approved Equivalent). All polyethylene tarps shall be anchored with concrete blocks.

C. The CONTRACTOR shall restore to pre-construction or specified conditions, as directed by the ENGINEER, all areas disturbed during the work. Any damage outside of the limits of clearing and grubbing caused by the CONTRACTOR's operations shall be restored at the CONTRACTOR's expense.

D. The Site shall be thoroughly cleaned by the CONTRACTOR and the work must be approved by the ENGINEER prior to demobilization.

PART 5 – CLOSE-OUT

5.01 GENERAL

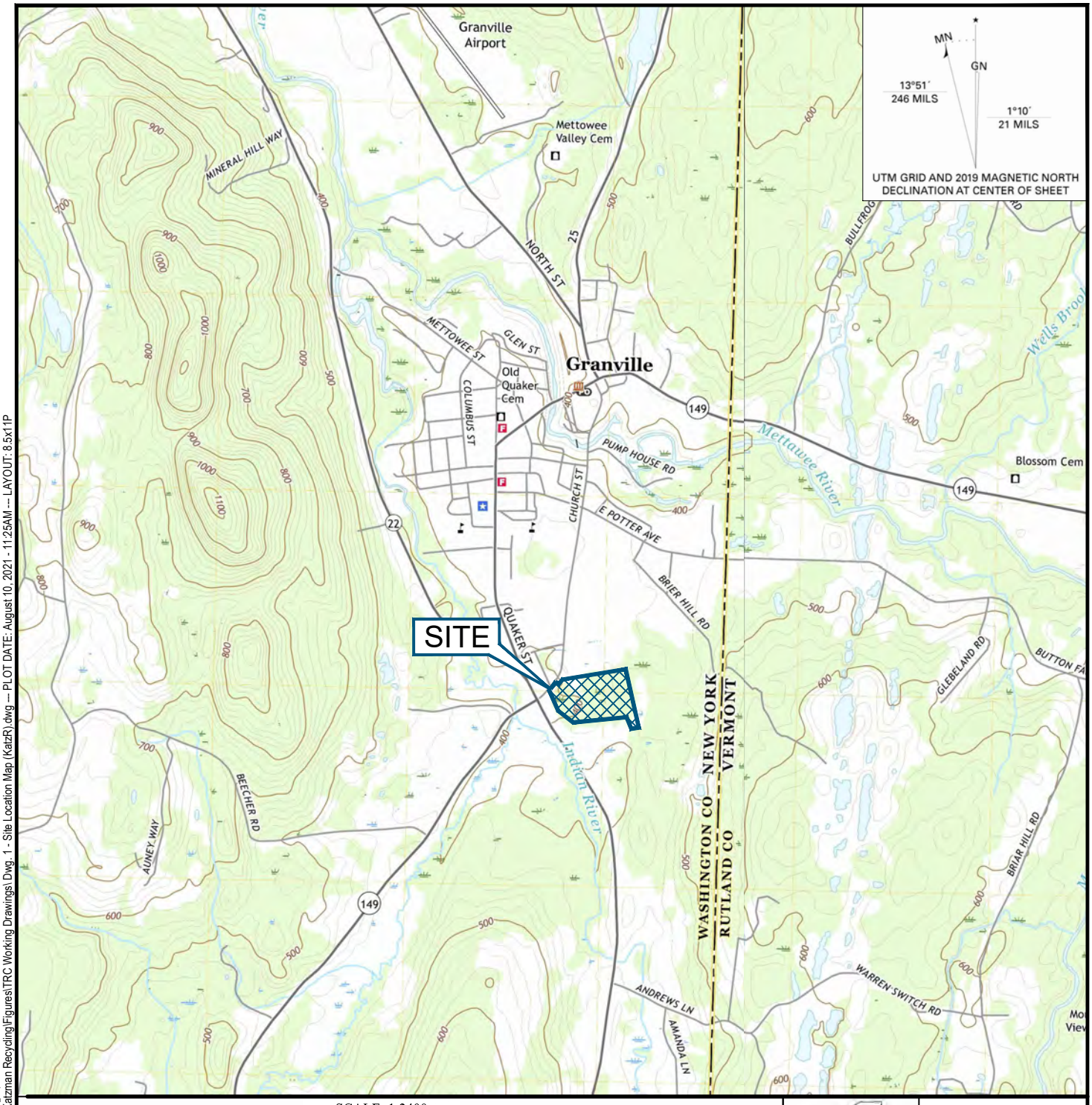
A. The ENGINEER will inspect Site conditions prior to CONTRACTOR demobilization. The CONTRACTOR shall obtain DEPARTMENT approval prior to demobilizing.

B. Upon completion of all work, the CONTRACTOR shall provide to the ENGINEER all documentation collected and generated during the project. The documentation, provided by the CONTRACTOR, shall include, but not be limited to:

1. Copies of imported materials scale tickets
2. Daily logs
3. Photographs
4. Copies of any submittals to regulatory agencies
5. Marked up drawings and sketches produced as record drawings
6. Other specified submittals

C. The close-out documentation shall be submitted to the ENGINEER no later than 14 calendar days after completion of demobilization.

DRAWINGS



SCALE: 1:2400

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

FEET

QUADRANGLE LOCATION

MAP INCLUDES INFORMATION FROM THE FOLLOWING MAP SHEET(S):
TP, GRANVILLE, NY, 7.5 MINUTE DATED 2019,
E, WELLS, VT, 7.5 MINUTE DATED 2019.

MAP OBTAINED THROUGH USE OF TOPOVIEW WITH THE INTERFACE CREATED BY THE NATIONAL GEOLOGIC MAP DATABASE PROJECT (NGMDB), IN SUPPORT OF THE TOPOGRAPHIC MAPPING PROGRAM, MANAGED BY THE USGS NATIONAL GEOSPATIAL PROGRAM (NGP).

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 558035
GRANVILLE, NY 12822

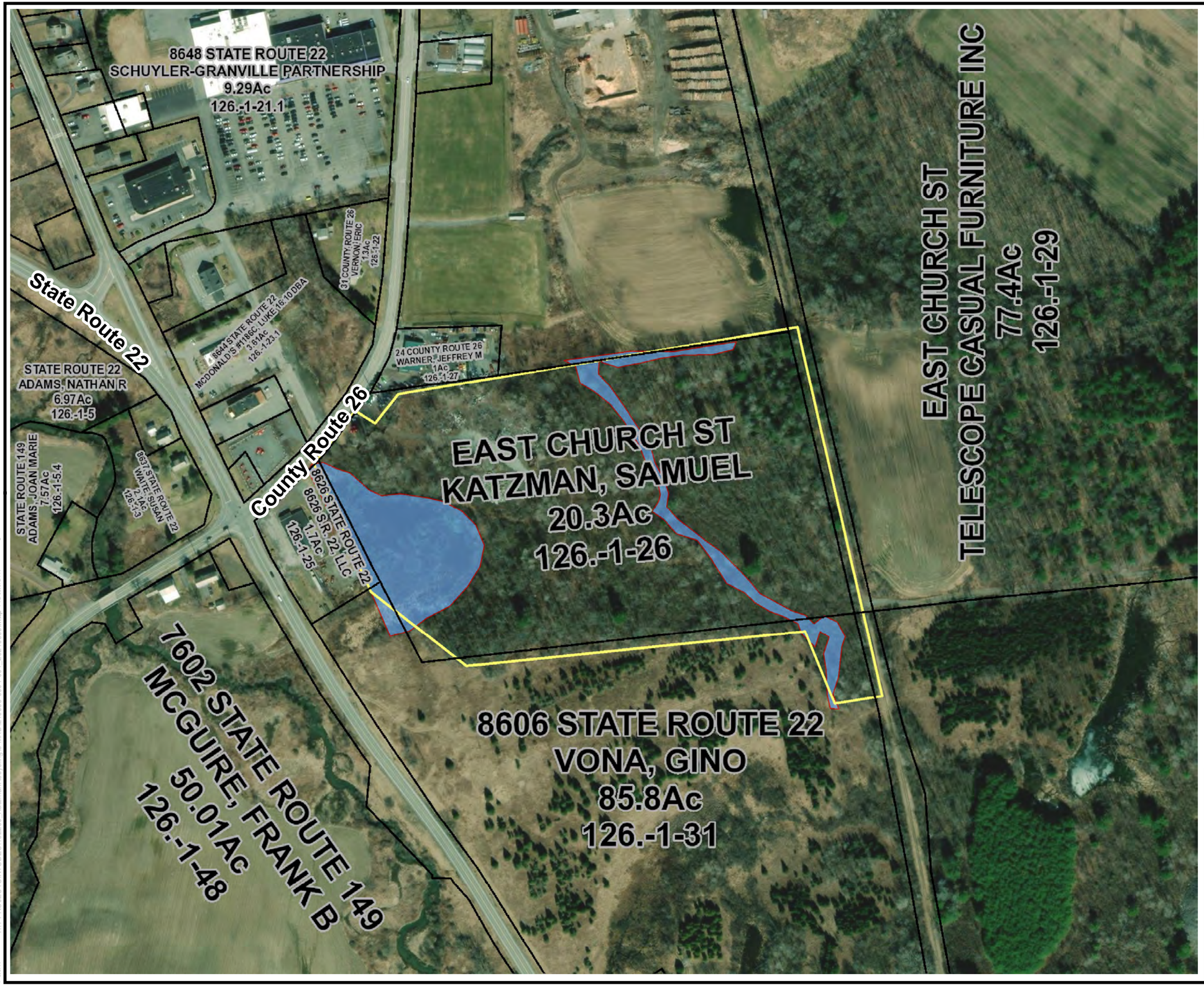
TITLE:

SITE LOCATION MAP

DRAWN BY:	H. DELGADO
CHECKED BY:	J. LAROCK
APPROVED BY:	K. SULLIVAN
DATE:	AUGUST 2021
PROJ. NO.:	432260.0000.0000
FILE:	Dwg. 1 - Site Location Map (KatzR).dwg

DRAWING 1

8.5x11 --- ATTACHED XREF'S: --- ATTACHED IMAGES: NY_Granville_20190920_TM; VT_Wells_20190702_TM;
DRAWING NAME: B:\NYSDEC\D0098\12\Work Assignments\D0098\12-16 Katzman Recycling\Figures\TRC Working Drawings\ Dwg. 1 - Site Location Map (KatzR).dwg --- PLOT DATE: August 10, 2021 - 11:25AM --- LAYOUT: 8.5x11P



LEGEND

- APPROXIMATE LIMITS OF DELINEATED WETLAND
- KATZMAN SITE PROPERTY LIMITS (APPROXIMATE)
- PARCEL BOUNDARY (APPROXIMATE)

Data Sources: USGS, ESRI, Washington County NY
Basemap: ESRI World Imagery, March 15, 2020

N

0 250 500 Feet

1 " = 250 '
1:3,000

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO: 558035
GRANVILLE, NY 12832

TITLE:
PROPERTY LIMITS AND VICINITY MAP

DRAWN BY:	R. BARBER	PROJ. NO.:	432260
CHECKED BY:	A. HORRIE		
APPROVED BY:	K. SULLIVAN		**DRAWING 2**
DATE:	AUGUST 2021		

TRC
10 Maxwell Drive,
Clifton Park, NY 12065
Phone: 518.348.1190
www.TRCcompanies.com

FILE NO.: 240658-0004-001_20210803.mxd

Plot Date: 8/11/2021 09:09:46 AM by RBARBER -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\NYSDEC\432260_KatzmanRecycling\MXD\240658-0004-001_20210803.mxd
Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0
TRC - GIS

LEGEND (SYMBOLS NOT TO SCALE)

- EXISTING GROUNDWATER MONITORING WELL TO BE PROTECTED
- EXISTING ACCESS ROAD
- EROSION AND SEDIMENT CONTROLS - SILT FENCE
- APPROXIMATE LIMITS OF DELINEATED WETLAND
- CONSOLIDATED DEBRIS STAGING AREA
- EXISTING DEBRIS PILE TO BE MOVED AND CONSOLIDATED (LIMITS APPROXIMATE)
- LIMITS OF REQUIRED CLEARING AND GRUBBING
- STABILIZED CONSTRUCTION ENTRANCE
- SITE PROPERTY BOUNDARY (APPROXIMATE)

NOTES:
1. REFER TO DRAWINGS 6A, 6B, AND 6C FOR DETAILED SCOPE OF WORK RELATED TO INCINERATOR BUILDING AND EXISTING DEBRIS PILES.

2. CONTRACTOR SHALL NOT DISTURB LOCATIONS OF CONFIRMED ASBESTOS CONTAINING MATERIALS SHOWN ON DRAWING 4.

3. CONTRACTOR SHALL NOT DISTURB ANY LAND BEYOND THE LIMITS OF REQUIRED CLEARING AND GRUBBING.

Data Sources: USGS, ESRI, Washington County NY
Basemap: ESRI World Imagery, March 15, 2020

N

0 50 100 Feet

1 " = 50 '
1:600

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO: 558035
GRANVILLE, NY 12832

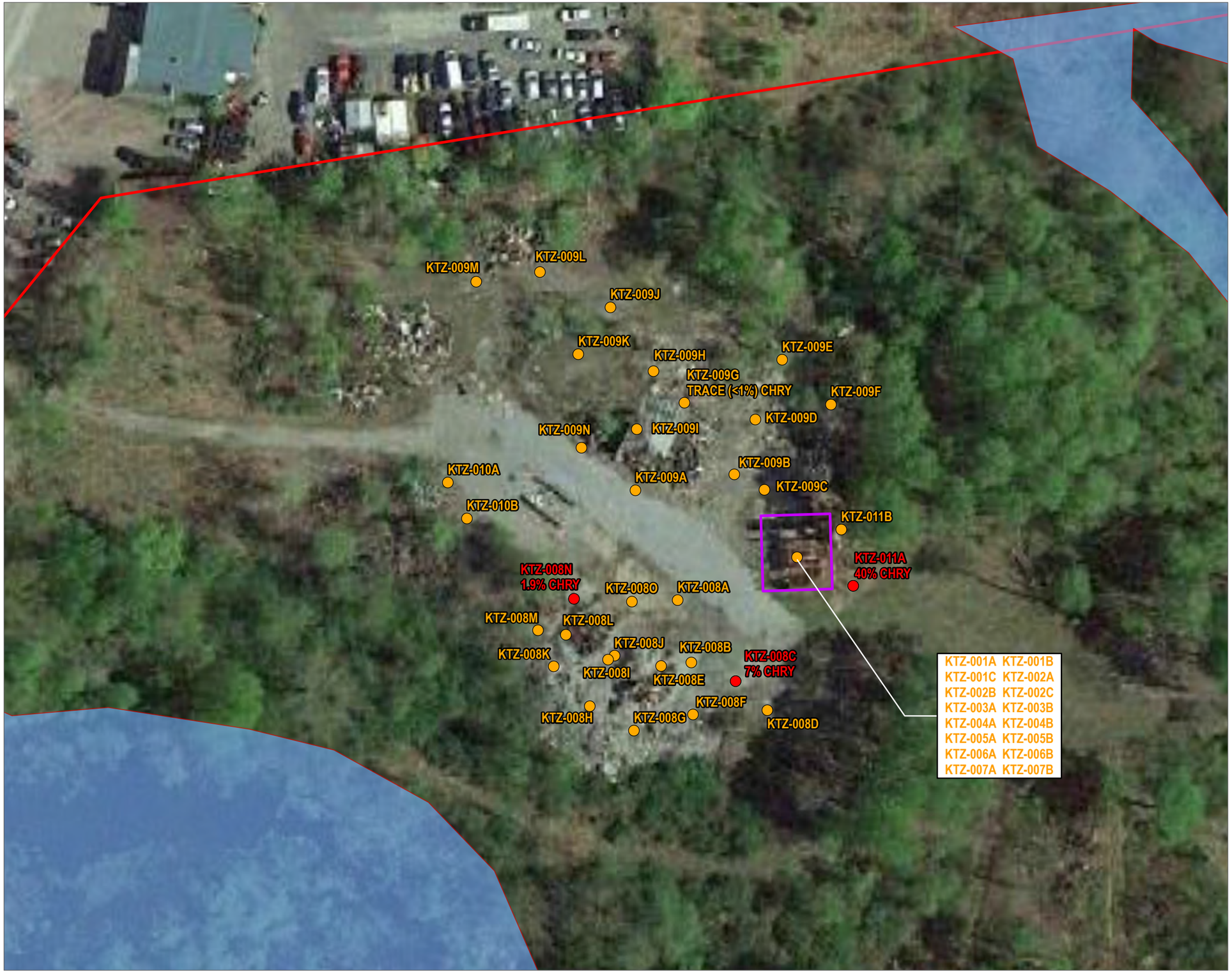
TITLE:
SITE PLAN

DRAWN BY:	R. BARBER	PROJ. NO.:	432260
CHECKED BY:	A. HORRIE		
APPROVED BY:	K. SULLIVAN		**DRAWING 3**
DATE:	AUGUST 2021		

TRC
10 Maxwell Drive,
Clifton Park, NY 12065
Phone: 518.348.1190
www.TRCcompanies.com

FILE NO.: 240658-0004-002_20210804.mxd

TRC - GIS
Plot Date: 8/13/2021, 16:00:17 PM by RBARBER -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\NYSDEC\432260_KatzmanRecycling\8-MXD\240658-0004-002_20210804.mxd
Coordinate System: NAD 1983 UTM Zone 18N (Meter)
Map Rotation: 0



LEGEND (SYMBOLS NOT TO SCALE)

- ASBESTOS SAMPLE LOCATION (GREATER THAN 1% ASBESTOS)
- ASBESTOS SAMPLE LOCATION (NAD OR TRACE)
- APPROXIMATE LIMITS OF DELINEATED WETLANDS
- FORMER INCINERATOR BUILDING
- SITE BOUNDARY (APPROXIMATE)

NOTES:

1. ORANGE ASBESTOS SAMPLE LOCATIONS ARE EITHER NAD (NO ASBESTOS DETECTED) OR TRACE (<1%).
2. ASBESTOS SAMPLES KTZ-001 THROUGH KTZ-007 ARE FROM THE INCINERATOR BUILDING.
3. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND SAMPLE LOCATIONS ARE APPROXIMATE.
4. CHRY = CHRYSOTILE

BASE MAP: GOOGLE IMAGERY
DATA SOURCES: USGS, ESRI, TRC

N

1:600
1" = 50'

0 50 100 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 558035
24 COUNTY ROAD 26
GRANVILLE, NEW YORK 12832

TITLE:
ASBESTOS SAMPLE LOCATIONS

DRAWN BY:	R. BARBER	PROJ. NO.:	432260.0000.0000
CHECKED BY:	A. HORRIE		DRAWING 4
APPROVED BY:	K. SULLIVAN		
DATE:	AUGUST 2021		

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Phone: 518-348-1190

FILE: asbestos_samples.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
Saved By: RBARBER on 8/11/2021 10:21:38 AM; File Path: T:\1-PROJECTS\VOSEC\432260_KatzmanRecycling\2-APRX\asbestos_samples\asbestos_samples.aprx; Layout Name: Figure 4 - Katzman Recycling Asbestos Samples Location Map

LEGEND (SYMBOLS NOT TO SCALE)

- WIPE SAMPLE LOCATION WITH PCBS >10 UG/100 CM² AND <100 UG/100 CM² (PCB-CONTAMINATED DEBRIS)
- WIPE SAMPLE LOCATION WITH PCBS ≤10 UG/100 CM² (NON-PCB-CONTAMINATED DEBRIS)
- APPROXIMATE LIMITS OF DELINEATED WETLANDS
- FORMER INCINERATOR BUILDING
- SITE BOUNDARY (APPROXIMATE)

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND SAMPLES LOCATIONS ARE APPROXIMATE.

N

1:600
1" = 50'

BASE MAP: GOOGLE IMAGERY
DATA SOURCES: USGS, ESRI, TRC

0 50 100 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 336063
24 COUNTY ROAD 26
GRANVILLE, NEW YORK 12832

TITLE:
PCB WIPE SAMPLE LOCATIONS

DRAWN BY:	R. BARBER	PROJ. NO.:	432260.0000.0000
CHECKED BY:	A. HORRIE	DRAWING 5	
APPROVED BY:	K. SULLIVAN		
DATE:	AUGUST 2021		

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Phone: 518-348-1190

FILE: wipesamplelocs.aprx

LOCATION OF KNOWN PCB CONTAMINATED DEBRIS

LOCATION OF KNOWN ACM OR TRACE ASBESTOS

DEBRIS PILE (LIMITS APPROXIMATE)

NOTES:

1. DEBRIS PILES 1 - 6 ARE HIGHLIGHTED TO DEPICT THE MAJORITY OF THE DEBRIS TO BE MOVED. HOWEVER, MISCELLANEOUS DEBRIS AROUND THE SITE WITHIN THE LIMITS OF REQUIRED CLEARING SHALL ALSO BE MOVED TO THE CONSOLIDATED DEBRIS STAGING AREA.

2. CONTRACTOR SHALL INSTALL HIGH VISIBILITY FENCING AROUND THE AREAS OF KNOWN ACM, AS SHOWN. CONTRACTOR SHALL AVOID THESE AREAS DURING THE WORK.

3. REDUCE SIZE OF DEBRIS AS SPECIFIED.

4. LARGE DEBRIS TO BE REMOVED FROM SOIL/ASH PILES SHALL BE ANY DEBRIS GREATER THAN ONE FOOT IN ANY DIMENSION.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 558035
24 COUNTY ROAD 26
GRANVILLE, NEW YORK 12832

TITLE:
SCOPE OF WORK - OVERVIEW

DRAWN BY:	R. BARBER	PROJ. NO.:	432260.0000.0000
CHECKED BY:	A. HORRIE	DRAWING 6A	
APPROVED BY:	K. SULLIVAN		
DATE:	AUGUST 2021		

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065
PHONE: 518-348-1190

FILE: Katzman_Various_Figures.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
-- Saved By: RBARBER on 8/11/2021, 09:41:36 AM; File Path: T:\1-PROJECTS\NYSDEC\432260_KatzmanRecycling\2-APRX\Katzman_Various_Figures\Katzman_Various_Figures.aprx; Layout Name: Figure 6A Scope of Work - Overall

DEBRIS PILE (LIMITS APPROXIMATE)

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 558035
24 COUNTY ROAD 26
GRANVILLE, NEW YORK 12832

TITLE:
SCOPE OF WORK - FORMER INCINERATOR BUILDING

DRAWN BY:	R. BARBER	PROJ. NO.:	432260.0000.0000
CHECKED BY:	A. HORRIE	**DRAWING 6B**	
APPROVED BY:	K. SULLIVAN		
DATE:	AUGUST 2021		

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065
PHONE: 518-348-1190

FILE: Katzman_Various_Figures.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
-- Saved By: RBARBER on 8/11/2021, 12:55:33 PM; File Path: T:\1-PROJECTS\NYSDEC\432260_KatzmanRecycling\2-APRX\Katzman_Various_Figures\Katzman_Various_Figures.aprx; Layout Name: Figure 6B Scope of Work - Former Incinerator Building

DEBRIS PILE (LIMITS APPROXIMATE)

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 558035
24 COUNTY ROAD 26
GRANVILLE, NEW YORK 12832

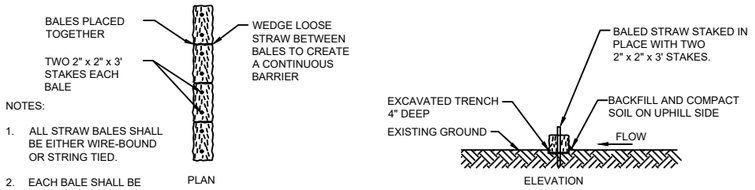
TITLE:
SCOPE OF WORK - DEBRIS PILES 5 AND 6

DRAWN BY:	R. BARBER	PROJ. NO.:	432260.0000.0000
CHECKED BY:	A. HORRIE		**DRAWING 6C**
APPROVED BY:	K. SULLIVAN		
DATE:	AUGUST 2021		

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065
PHONE: 518-348-1190

FILE: Katzman_Various_Figures.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet Map Rotation: 0
Saved By: RBARBER on 8/17/2021 - 09:41:36 AM - File Path: T:\PROJECTS\VOSEC\432260_KatzmanRecycling\2-APRX\Katzman_Various_Figures\Katzman_Various_Figures.aprx - Layout Name: Figure 6C Scope of Work - Debris Piles 5 and 6

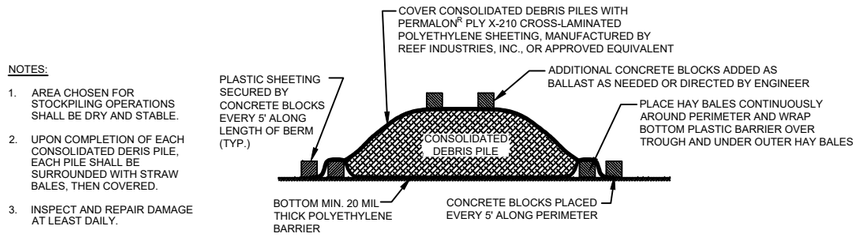


NOTES:

1. ALL STRAW BALES SHALL BE EITHER WIRE-BOUND OR STRING TIED.
2. EACH BALE SHALL BE STAKED.

1 DWG. 7 TEMPORARY SEDIMENT AND EROSION CONTROL BARRIER - STARW BALES

NOT TO SCALE

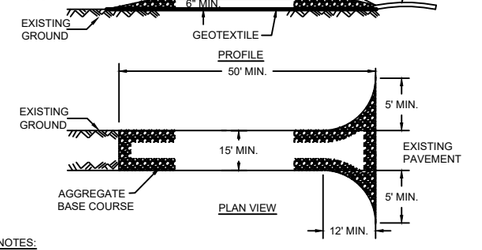


NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. UPON COMPLETION OF EACH CONSOLIDATED DERIS PILE, EACH PILE SHALL BE SURROUNDED WITH STRAW BALES, THEN COVERED.
3. INSPECT AND REPAIR DAMAGE AT LEAST DAILY.

2 DWG. 7 TYPICAL CONSOLIDATED DEBRIS PILE DETAIL

NOT TO SCALE

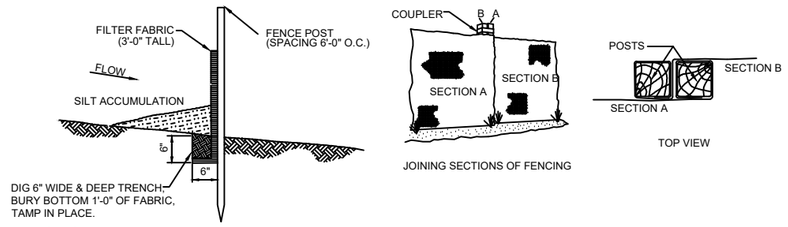


NOTES:

1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN THE LOCATION SHOWN ON DRAWING 3.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET, AND EXTENDING UP TO THE CONSOLIDATED DEBRIS STAGING AREA.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES AFTER COMPACTION.
4. WIDTH - 25 FOOT AT THE INTERSECTION WITH PAVEMENT. NARROWER ROADWAY (15 FOOT MINIMUM) WILL BE ACCEPTABLE BETWEEN THE CONSTRUCTION ENTRANCE AND THE CONSOLIDATED DEBRIS STAGING AREA.
5. GEOTEXTILE - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO THE PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, THE STABILIZED CONSTRUCTION ENTRANCE SHALL UNDERGO ROUTINE MAINTENANCE, AS NEEDED, AND BE LEFT IN PLACE FOR FUTURE USE.

5 DWG. 7 TYPICAL STABALIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

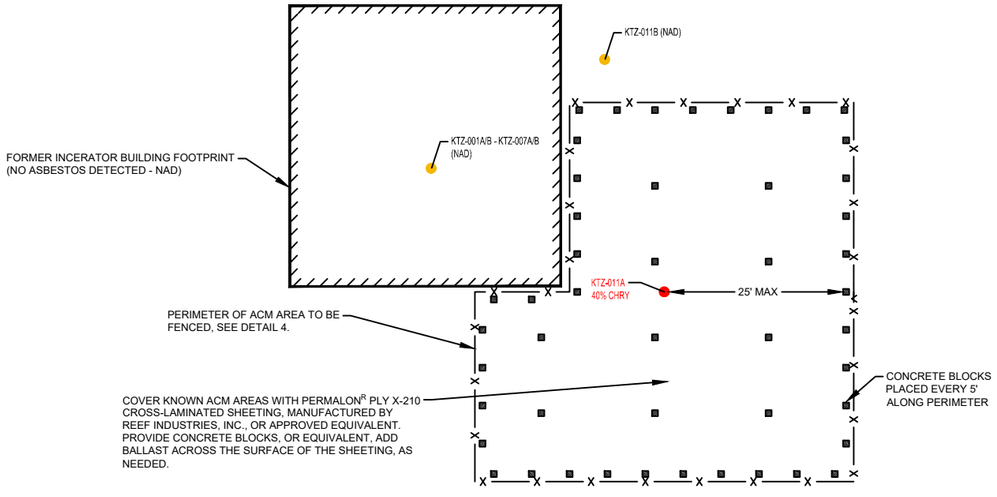


NOTES:

1. FENCE POSTS SHALL BE PLACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE THE GROUND. POSTS SHALL BE CONSTRUCTED OF HARD WOOD WITH A MINIMUM DIAMETER THICKNESS OF 1 1/2 INCHES.
2. A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
3. A GEOTEXTILE FABRIC RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS, ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL BE RESISTANT TO TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.
4. INSTALL SILT FENCE AT LOCATIONS SHOWN ON DRAWING 3, AS REQUIRED BY GENERAL PERMIT, AND AS DIRECTED BY ENGINEER.
5. INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
6. IF FENCE FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY IS DAMAGED, REPLACE THE AFFECTED PORTION IMMEDIATELY.
7. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES 33% HEIGHT POINT OR IS CAUSING THE FABRIC TO BULGE. DEPOSIT ON-SITE IN ENGINEER APPROVED LOCATION.
8. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEAN OUT.
9. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, THE SILT FENCE SHALL UNDERGO ROUTINE MAINTENANCE, AS NEEDED, AND BE LEFT IN PLACE FOR CONTINUED EROSION AND SEDIMENT CONTROL.

3 DWG. 7 TEMPORARY SEDIMENT AND EROSION CONTROL BARRIER - SILT FENCE

NOT TO SCALE

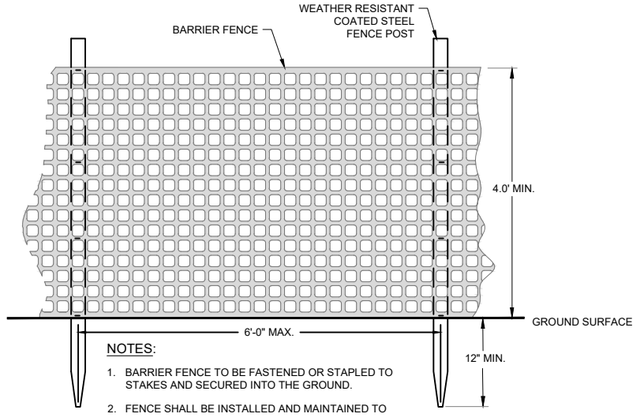


NOTES:

1. ACM SAMPLE LOCATIONS (3) TO BE COVERED WITH POLYETHYLENE TARPS AND SECURED WITH CONCRETE BLOCKS AT 5-FOOT INTERVALS. REFER TO DRAWING 6A FOR LOCATION DETAILS.
2. EXTEND TARP 25 FEET IN ALL DIRECTIONS BEYOND SAMPLE LOCATION OR TO NEAREST NAD (NO ASBESTOS DETECTED) SAMPLE LOCATION, WHICHEVER IS LESS.

6 DWG. 7 TYPICAL ACM AREA COVER AND FENCING DETAILS

NOT TO SCALE



NOTES:

1. BARRIER FENCE TO BE FASTENED OR STAPLED TO STAKES AND SECURED INTO THE GROUND.
2. FENCE SHALL BE INSTALLED AND MAINTAINED TO RESTRICT ACCESS TO ACTIVE WORK AREAS AND AREAS OF KNOWN ACM.
3. FENCE FABRIC SHALL BE ULTRAVIOLET-RESISTANT POLYETHYLENE SNOW FENCE OF A HIGHLY VISIBLE COLOR.

4 DWG. 7 TYPICAL BARRIER FENCE DETAIL

NOT TO SCALE

PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING - SITE NO. 558035
GRANVILLE, NY 12822

TITLE:

DETAILS

DRAWN BY:	H. DELGADO	PROJ NO.:	432260
CHECKED BY:	J. LAROCK		
APPROVED BY:	K. SULLIVAN		**DRAWING 7**
DATE:	AUGUST 2021		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Dwg. 7 - Details (KatzR).dwg

ATTACHMENT B

PRECISION
ENVIRONMENTAL SERVICES, INC.

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS 1991 - 2021

SITE SPECIFIC HEALTH AND SAFETY PLAN - EXECUTIVE SUMMARY

Project Name:	Katzman Recycling	HASP Prepared by:	Precision Environmental Services, Inc.
Site Location:	24 County Route 26, Granville, New York 12832 NYSDEC Site No.: 558035	Approvals:	S. Bryant K. Score K. Ballou
Plan Preparation Date:	December 1, 2021	Revision Date:	

Site Description: The former Katzman Recycling facility is an Inactive Hazardous Waste Disposal Site (Site No. 558035), located at 24 County Route 26, Town of Granville, Washington County, New York (the "Site"). For nearly 60 years, the Site accepted various metal products for recovery and recycling and some of these materials remain present onsite. Soil samples have reportedly confirmed the presence of polychlorinated biphenyls (PCBs) above 50 parts per million (ppm), which classifies the soil as a hazardous waste. In addition, oily wastes and general refuse have also been identified at the Site.

Site History: Between 1949 and 2007, the Site accepted various metal products for recovery and recycling. The former incinerator building used during historical operations is centrally located in the former operational portion of the Site and associated incinerator waste was reportedly present to the north, west, and south of the structure. Among the waste materials identified at the Site were used auto parts, carburetors, chain saws, automobiles, heavy equipment, white goods, transformer carcasses, capacitors, and other electrical equipment. A pile located along the embankment near the wetland on the southwestern part of the Site was found to be composed of incinerator waste generated during historic onsite activities. The area east of the incinerator building appears to be the location where capacitors and transformers were dismantled. Additionally, to the east of the incinerator, several older model automobiles were discovered to be scattered throughout the wooded areas. A pole barn used for storage and possible mechanical work is located along the northwestern property boundary.

Project Description: PES will be performing limited building demolition and waste debris consolidation activities at the Site on behalf of the NYSDEC in accordance with the terms of our Standby Contract No. C100614. To this end, numerous interrelated activities including but not limited to site preparation, management of onsite utilities, clearing/grubbing onsite vegetation, erosion control, sorting/consolidating onsite materials, building demolition, managing asbestos containing materials, off-site disposal of scrap metal, site restoration and other activities will be completed. A more specific description of the activities to be performed is provided in the *Incinerator Building Demolition and Debris Consolidation Work Plan,* prepared by PES and dated December 3, 2021.

PRIMARY PHYSICAL HAZARDS					
X	Potential Underground Utilities	X	Slips, Trips/Walking Surface		
X	Excavator/Backhoe Operations	X	Manual Lifting		
X	Onsite Traffic Control				

CHEMCIAL HAZARDS, MONITORING, ACTION LEVELS		
Constituents of Concern (COCs)	**MONITORING**	**ACTION LEVELS**
Polychlorinated Biphenyls (PCBs) aerosol	Dust Trak II Aerosol Monitor (general field screening during onsite activities).	Employ dust suppression techniques if readings are 100 micrograms per cubic meter (µg/m3) greater than background

Polychlorinated Biphenyls (PCBs) liquid	visual	Level C when handling potential PCB containing small electrical equipment (capacitors).
Asbestos Containing Materials (ACM)	There will be no physical removal of ACM. ACM materials will be covered with polyethylene tarps.	
Heavy Metals/Particulates	Dust Trak II Aerosol Monitor (general field screening during onsite activities).	Employ dust suppression techniques if readings are 100 micrograms per cubic meter (µg/m3) greater than background.
Volatile Organic Compounds (VOCs)	PID with 10.6eV (general field screening during onsite activities).	Upgrade to Level C at 5 ppm sustained in the work area within breathing zone.

In addition to the above listed COCs, this HASP also addresses concerns related to COVID-19. Specifically, the New York State Department of Health (NYSDOH) Interim Guidance for Construction Activities and Construction Guidelines for Employers and Employees to help prevent the spread of COVID-19 during this Public Health Emergency will be followed and are included in this HASP.

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS 1991 - 2021

TABLE OF CONTENTS

1.0 INTRODUCTION

This Health and Safety Plan (HASP) provides a general description of the levels of personal protection and safe operating guidelines expected of each employee associated with the remedial activities associated with the former Katzman Recycling facility located at 24 County Route 26, Granville, New York (the "Site"). Between 1949 and 2007, the Site accepted various metal products for recovery and recycling and a former incinerator building was also used during historical operations. Among the waste materials identified at the Site were used auto parts, carburetors, chain saws, automobiles, heavy equipment, white goods, transformer carcasses, capacitors, and other electrical equipment. Soil samples reportedly showed the presence of PCBs in excess of 50 ppm and potential asbestos containing materials were also reported onsite. This HASP also identifies chemical and physical hazards known to be associated with the planned remedial activities based on previous investigation activities, onsite observations and analytical results.

1.1 GENERAL

The provisions of this HASP are mandatory for all PES personnel engaged in fieldwork associated with the remedial activities being conducted at the Site. A copy of this HASP and any applicable HASP Supplements shall be accessible onsite, and available for review at all times. In the event of a conflict between this HASP and federal, provincial, state, and local regulations, workers shall follow the most stringent/protective requirements. Concurrence with the provisions of this HASP are mandatory for all personnel at the Site covered by this HASP and must be signed on the acknowledgement page.

1.2 PROJECT POLICY STATEMENT

PES is committed to protecting the safety and health of our employees, properties and infrastructure that are affected by our activities and protecting and preserving the natural environment in which we operate. The safety of persons and property is of vital importance to the success of this project and accident prevention measures shall be taken toward the avoidance of needless waste and loss. PES personnel will maintain a safe and healthy working environment. At a minimum, all subcontractors shall comply with the requirements of this HASP, provisions contained within the contract document and all applicable rules, requirements and health, safety, and environmental regulations. All practical measures shall be taken to promote safety and maintain a safe place to work.

1.3 REFERENCES

This HASP conforms to the regulatory requirements and guidelines established in the following documents:

- Title 29, Part 1910 of the Code of Federal Regulations (29 CFR 1910), *Occupational Safety and Health Standards* (with special attention to Section 120, *Hazardous Waste Operations and Emergency Response*).

- Title 29, Part 1926 of the Code of Federal Regulations (29 CFR 1926), *Safety and Health Regulations for Construction*.

2.0 SITE INFORMATION AND SCOPE OF WORK

PES will conduct numerous interrelated remedial including but not limited to site preparation, management of onsite utilities, clearing/grubbing onsite vegetation, erosion control, sorting/consolidating onsite materials, building demolition, managing asbestos containing materials, off-site disposal of scrap metal, site restoration and other activities. A more specific description of the activities to be performed is provided in the *Incinerator Building Demolition and Debris Consolidation Work Plan,* prepared by PES and dated December 3, 2021, and related documents. Deviations from the Work Plan may require that changes be made to this HASP, to ensure adequate protection of personnel and other property.

2.1 SITE INFORMATION

This section provides a general description and historical information associated with the Site.

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

2.1.1 General Description

The Site is located at 24 County Road 26, Town of Granville, Washington County, New York. The Site is currently owned by Mr. Samuel Katzman and consists of approximately 20 acres of primarily undeveloped wooded land. The former recycling operations were concentrated in the northwestern portion of the Site, which consists of open fields, remnants of buildings/structures and surficial debris piles along with some wooded areas. Access to the Site is provided via an unimproved driveway off of County Route 26 in the northwestern corner of the property. Adjacent land use consists of a mix of residential and commercial properties along with undeveloped wooded land and fields.

2.1.2 Site Background/History

Between 1949 and 2007, the Site accepted various metal products for recovery and recycling. The former incinerator building used during historical operations is centrally located in the former operational portion of the Site and associated incinerator waste was reportedly present to the north, west, and south of the structure. Among the waste materials identified at the Site were used auto parts, carburetors, chain saws, automobiles, heavy equipment, white goods, transformer carcasses, capacitors, and other electrical equipment. A pile located along the embankment near the wetland on the southwestern part of the Site was found to be composed of incinerator waste generated during historic onsite activities. The area east of the incinerator building appears to be the location where capacitors and transformers were dismantled. Additionally, to the east of the incinerator, several older model automobiles were discovered to be scattered throughout the wooded areas. A pole barn used for storage and possible mechanical work is located along the northwestern property boundary. Based on the results of previous investigation activities, the NYSDEC determined that remedial activities were required as documented in the Record of Decision – Katzman Recycling, dated February 2020. Specifically, the selected remedy includes demolition of the existing structures and sorting of various onsite waste streams for proper disposal.

2.1.3 Previous Investigations

Table 2-1 presents historical available data and potential exposure concentrations.

Table 2-1: Previous Investigation Data

Contaminant	Reported Low Soil Concentration (ug/kg)	Reported High Soil Concentration (ug/kg)
Polychlorinated Biphenyls (PCBs)	0.14	6,600
Arsenic	2,100	48,000
Cadmium	63	159,000
Chromium	9,000	998,000
Lead	10,900	7,340,000

2.2 SCOPE OF WORK

The purpose of the work is to demolish the remains of any existing buildings/structures and sort/consolidate various waste materials for recycling/reuse or proper disposal. To this end, numerous interrelated remedial including but not limited to site preparation, management of onsite utilities, clearing/grubbing onsite vegetation, erosion control, sorting/consolidating onsite materials, building demolition, managing asbestos containing materials, off-site disposal of scrap metal, site restoration and other activities. These activities are summarized in the paragraphs below and are described in further detail in the *Incinerator Building Demolition and Debris Consolidation Work Plan*.

2.2.1 Mobilization/Site Preparation

Mobilization/site preparation will involve the installation of temporary sanitary facilities including restroom facilities and a hand-wash station. Temporary, free-standing, six-foot high galvanized chain link fencing and/or orange snow fencing will be brought to the Site to secure the work areas, as necessary. PES also anticipates mobilizing a storage trailer to the Site for various tools/materials expected to be used during the course of the project. In addition, any required site signage will be installed, and all onsite monitoring wells will be identified and flagged as appropriate. No intrusive remedial activities are anticipated during this stage.

2.2.2 Pre-Remediation Activities

Pre-remediation activities will commence with vegetative clearing/grubbing of the active work area (including chipping and stockpiling), establishment of erosion control measures and securing areas of documented asbestos impacts (including perimeter fencing and coverage). During this period, the existing access road and onsite decontamination pad will be evaluated and improved/repaired, as appropriate, and any utilities identified at the Site will be disconnected/secured.

2.2.3 Remedial Activities

The remedial activities to be conducted at the Site involve the establishment of various waste/debris staging areas to stockpile debris for recycling or proper disposal. All liquids found in open containers will be placed in drums for proper characterizations/disposal. Small electrical components, light ballasts and other debris will be containerized, transformer casings/carcasses will be segregated, and all tires and other debris will also be segregated and staged separately, as appropriate. Metal debris identified onsite will be sorted and consolidated into separate piles, staged in roll off dumpsters or live loaded. as appropriate. Lastly, the remains of the incinerator building will be demolished, and the materials sized/sorted and staged for recycling/disposal.

2.2.4 Site Restoration/Demobilization Activities

Site restoration/demobilization will involve a number of tasks including removal of all equipment and materials, inspection/ repair of the onsite decontamination pad and inspection/repair of any erosion control measures that were installed and are to remain in place following completion of these activities. All equipment brought to the Site will be decontaminated, as necessary, and all equipment/materials, sanitary facilities, and other items will be removed from the Site.

2.2.5 Ancillary Activities

A number of ancillary activities will be completed during the course of the remediation project including dust suppression/control, noise monitoring/mitigation and both onsite and community air monitoring.

3.0 HEALTH AND SAFETY HAZARD ASSESSMENT

The potential exists for personnel coming into contact with hazardous materials as well as physical hazards during the performance of the work. All potential hazards will be addressed prior to the start of operations. Observation of activities and air monitoring during the operation will be continuous.

3.1 PHYSICAL HAZARDS

The following physical hazards are anticipated to be present onsite.

3.1.1 Slips, Trips, Falls, and Protruding Objects

A variety of conditions may exist that may result in injury from slips, trips, falls, and protruding objects. Slips and trips may occur as a result of wet, slippery, or uneven walking surfaces. To prevent injuries from slips and trips, always keep work areas clean; keep walkways free of objects and debris; and report/clean up liquid spills. Protruding objects are any object that extends into the path of travel or working area that may cause injury when contacted by personnel. Always be aware of protruding objects and when feasible remove or label the protruding object with an appropriate warning.

Slippery, uneven footing and tripping hazards may be present at the Site. Be vigilant, avoid puddles, and wear footwear with slip resistant soles.

Walk around, not over or on top of debris or trash piles. When carrying equipment, identify a path that is clear of any obstructions. It might be necessary to remove obstacles to create a smooth, unobstructed access point to the work areas onsite.

Maintaining a work environment that is free from accumulated debris is the key to preventing slip, trip and fall hazards at construction sites. Essential elements of good housekeeping include the following:

- Orderly placement of materials, tools, and equipment out of walkways;
- Placing trash receptacles at appropriate locations for the disposal of miscellaneous rubbish; and,
- Prompt removal and secure storage of items that are not needed to perform the immediate task at hand.

3.1.2 Housekeeping

In order to permit safe and efficient work conditions, all work areas shall be kept clean and free of debris to the greatest extent possible. Work will be planned to progress in an orderly manner with debris being cleared across the working area to create clear walking areas as debris is removed. All hand tools will be kept in storage until they will be needed for use. Trash containers will be leak proof, clean and maintained in a sanitary condition. If vermin are encountered, an approved extermination method will be initiated.

- Potable water will be used for first aid, drinking, and personal hygiene purposes. Community drinking cups/containers will not be permitted.
- Portable toilets will be provided onsite, a minimum of one toilet for each 15 employees, separate and designated by gender. In addition, a hand wash station will also be provided. The toilets and hand wash station will be maintained on a weekly basis.

During site activities, work areas will be continuously policed for identification of excess trash and unnecessary debris. Excess debris and trash will be collected and stored in an appropriate container (e.g., plastic trash bags, garbage can, roll-off bin) prior to disposal. At no time will debris or trash be intermingled with waste PPE or contaminated materials.

3.1.3 Manual Lifting

Most materials associated with investigation and remedial activities are moved by hand. The human body is subject to severe damage in the forms of back injury, muscle strains, and hernia if caution is not observed in the handling process. Whenever possible, use mechanical assistance to lift or move materials and at a minimum, use at least two people to lift, or roll/lift with your arms as close to the body as possible.

3.1.4 Utilities

Various forms of underground/overhead utility lines or pipes may be encountered during site activities. Prior to the start of intrusive operations, utility clearance is mandated, as well as obtaining authorization from all concerned public utility department offices. Prior to commencing any onsite activities, Dig Safely New York will be contacted to clear public utilities, as required. Should intrusive operations cause equipment to come into contact with utility lines, the SSO and PES management will be notified immediately. Work will be suspended until the applicable utility agency is contacted and the appropriate actions for the particular situations can be taken. The phone number for the applicable state agency is provided in the Emergency Contacts list found in Section 8.1.

Ensure excavator operators, truck drivers and signal personnel are aware of overhead power lines when working around power lines. Overhead power and utility lines may be present on, or adjacent to, the Site and represent a potential hazard during the mobe/demobe of equipment and supplies. Maintain a minimum of ten feet between overhead power lines and construction equipment. Any deviation must be approved by the SSO and PES management.

3.1.5 Heavy Equipment Operations

Heavy equipment is necessary for clearing/grubbing of vegetation, materials sorting and building demolition as well as for transport of materials to and from the Site. Associated hazards include poor operator visibility and inability to be fully aware of surroundings at all times (i.e., people, mobile and stationary objects). There will be heavy equipment such as an excavator, dump trucks and dump trailers, skid steer loader onsite through the course of the remedial activities. Control measures that may be utilized include use of high visible clothing, back-up alarms on vehicles, marking of heavy equipment travel and swing zones and the use of spotters to direct equipment/vehicle operators.

3.1.6 Dust and Odor Control

There is a possibility that dust may be generated during clearing/grubbing, materials sorting, building demolition, and other tasks to be completed as part of site activities. If dust is observed in the work area or reaching or approaching the site boundary, activities causing the dust will be immediately stopped. Dust control measures (e.g., wet cutting, water spray, soil covers, slower work pace, or change in work activities) will be deployed prior to resuming work.

As a precautionary measure, continuous air monitoring will be conducted in the work area and pursuant to the CAMP to evaluate the presence of odors and/or elevated VOC concentrations during remedial activities. In the event that elevated readings are encountered, the SSO will immediately assess site conditions and determine the probable cause or causes and appropriate mitigation measures will be deployed.

3.1.7 Other Physical Hazards

In addition to the above, other physical hazards may include the following:

- **Falling Objects -** Operation of trucks and excavating equipment onsite can create hazards from falling objects. Hard hats, safety glasses, and steeled-toed footwear will be required for personnel onsite.
- **Lighting Levels -** For work activities scheduled after dusk, poor lighting conditions may increase risk of injury. Low light levels may exist in confined spaces as well. Although not anticipated, if work is to be performed after dusk or before dawn, supplemental site and vehicle lighting will be used. No operations will be performed during these periods of the day without both supplemental and vehicle lighting systems.
- **Heat Stress -** Heavy construction work in the summer months can create heat stress conditions for employees. The use of respiratory protective equipment and protective (non-breathable) clothing, boots, and gloves can greatly increase the potential for heat stress. Heat stress is not anticipated on this project based on the anticipated schedule.
- **Sun Exposure -** Sun exposure is greatly increased during the summer months. Extra precaution should be taken while working outdoors. The use of sunscreen is highly recommended to all exposed skin areas as well keeping those areas covered when possible.
- **Cold Stress -** Cold-related problems are the result of low ambient temperatures and/or wind velocity. Wind chill is the term used to describe the effect of moving air on human flesh. Frostbite and hypothermia are the two cold-related problems of concern.
- **Electrical** - Electrical hazards may exist during maintenance, operation, and mobilization activities. Employees will be trained in and shall use Lockout/Tagout procedures as required. GFCI will be provided on outdoor temporary power, where applicable.
- **Traffic Safety** - During certain work tasks, the establishment of traffic control to adequately protect workers and the public may be required. Site specific requirements will be determined by the SSO on a case-by-case basis. When using cones or other devices to modify traffic flow, ensure use of the proper taper length and device spacing to provide adequate warning distance to on-coming motor vehicles. In addition, proper PPE is to be worn during traffic operations, to include hardhat and high-visibility vests.

- **Unleveled Surfaces -** Unleveled surfaces result from excavation activities and the natural terrain in some areas. These areas will be flagged or roped off to eliminate traffic.
- **Noise -** High noise levels (in excess of 85 dBA for extended periods) can result in temporary and permanent loss of hearing. Areas where noise levels exceed 85 dBA will be posted and hearing protection will be provided and worn. Noise dosimetry will be performed where required by OSHA regulation.
- **Fire -** Many ignition sources exist onsite, which may cause a fire. Fuel sources may exist in the form of flammable liquids, combustible materials, and flammable gases. Accumulation of debris can contribute fuel to fires and improper storage and use of flammable materials may result in a fire. Fuels (e.g., gasoline, diesel, kerosene, etc.) brought to the Site will be stored in safety cans out of direct sunlight.

3.2 CHEMICAL HAZARDS

Employees can be exposed by inhalation to the chemicals of concern during intrusive activities. Another route of potential exposure is via direct dermal contact with soils and groundwater during sampling. Although highly unlikely, exposure to all of the chemicals of concern can occur via ingestion (hand-to-mouth transfer). The decontamination procedures described in Section 6.0 addresses personal hygiene issues that will limit the potential for contaminant ingestion.

The chemical hazards associated with site activities can be controlled in several ways, including the following:

- Maintaining an upwind position;
- Use of personal protective equipment;
- Avoiding direct contact with contaminated media;
- Slow equipment down to prevent dusting;
- Use of water to prevent or minimize the generation of dust;
- Following decontamination procedures; and
- Washing hands prior to eating or using tobacco products.

A summary of the assessment of chemical hazards and monitoring of chemical hazards for the Site is presented in Table 3-2.1 and Table 3-2.2, respectively.

TABLE 3-2.1: Assessment of Chemical Hazards

Contaminant	*Unrestricted Use mg/kg (ppm)*	*Protection of Groundwater mg/kg (ppm)*	*OSHA PEL-TWA*	*OSHA PEL-STEL (ppm)*	*OSHA PEL-C (ppm)*	*IDLH (ppm)*	*Acute Health Effects*	*Chronic Health Effects*
PCBs	1.3	1.3	0.05 mg/m3	none	none	150	Irritation to eyes, skin, nose,	NIOSH listed carcinogen
Trichloroethene (TCE)	0.47	0.47	100 ppm	200	300	1000	Irritation to eyes and skin. Headache. Visual disturbance. Lassitude. Dizziness. Tremor. Drowsiness. Nausea. Vomiting.	Dermatitis. Cardiac arrhythmia. Paresthesia. Liver injury. Carcinogen.
cis-1,2-Dichloroethene (cis-1,2-DCE)	0.25	0.25	200 ppm (790 mg/m^3)	none	none	1000	Irritation to eyes and respiratory system.	Central nervous system depression.

TABLE 3-2.2: Monitoring of Chemical Hazards

Contaminant	Monitoring Equipment	Monitoring Protocol	Monitored Level for Mandatory Respirator Use	Monitored Level for Mandatory Stop Work
Tetrachloroethene (PCE)	PID	Initial and Continuous Through Shift	>5 ppm in Breathing Zone	>25 ppm
Trichloroethene (TCE)	PID	Initial and Continuous Through Shift	>5 ppm in Breathing Zone	>25 ppm
cis-1,2-Dichloroethene (cis-1,2-DCE)	PID	Initial and Continuous Through Shift	>5 ppm in Breathing Zone	>25 ppm

3.3 WEATHER HAZARDS

The SSO will be attentive to daily weather forecasts for the project area each morning. Predicted weather conditions of potential field impact are to be included in safety briefings for that day. Weather-related hazards will directly correlate to the type of weather involved. Hot, dry weather may cause greater dust emissions, particularly during intrusive activities. Rain and snow may increase slip/trip hazards, particularly for ground workers.

Severe weather can occur with little warning. Employees will be vigilant for the potentials for storms, lightning, high winds, and flash flood events. Additionally, lightning strikes during electrical storms could also be a potential hazard. The following procedures will be implemented once thunder is heard or lightning spotted:

1. If thunder is heard, all site personnel are to be alert of any visible lightning flashes. The SSO will observe the storm front and track the direction it is moving. The SSO will continue to observe the storm front until it passes or until the prevailing direction is determined to be away from the Site.

2. If lightning is observed, the SSO is to be notified. When the next lightning flash is observed, a "second" count shall be initiated from the time the lightning is observed until the thunder from the strike is heard.

3. The following action guidelines shall be implemented once the "second" count is </= 30 seconds:

a) "second" count > 30, the SSO will continually observe the storm front. If the front is moving away, work will continue. If the front is moving towards the Site, the SSO will initially place workers on alert for potential evacuation.
b) "second" count </= 30, the SSO will issue the evacuation command and all workers are to vacate the work area and equipment. Work can be re-initiated once the front has passed by and thunder has not been heard for 30 minutes.

4. If lightning is observed and the storm front is moving away from or around the Site and is > 20 miles away, work will be permitted to continue. The location of the storm can be confirmed via internet access to a local weather website that has a Doppler radar tracking system.

3.4 BIOLOGICAL HAZARDS

Given the nature of the Site and surrounding areas and anticipated schedule, potential biological hazards including plants, snakes, ants and other biological hazards are not expected to present a concern; however, it is possible that various stinging insects and animals (e.g., rats/rodents, etc.) could present a potential health hazard. Some of the most common biological hazards can be prevented or the effects reduced by over the counter medications. These medications, as recommended by local pharmacists, will be kept in supply in the office first aid kit. Workers who know they are sensitized to any biological hazard should not perform any task that would increase their risk for anaphylactic shock.

In addition to the above biological hazards, hazards related to COVID-19 may also present a health concern onsite. NYSDOH guidelines related to COVID-19 are included in Appendix A and are hereby incorporate into this HASP.

3.5 OTHER HAZARDS

A task specific hazard assessment has been completed for all tasks identified in the Excavation Work Plan as presented in Table 3-3. These task categories include:

1. Mobilization/Site Preparation;
2. Pre-Remedial Activities;
3. Remedial Activities; and
4. Site Restoration/Demobilization

TABLE 3-3: Assessment of Non-Chemical Hazards

Non-Chemical Hazard	*Applicable?*	*Task No.(s)*
Electrical (overhead lines)	Yes	1,2,3
Electrical (underground lines)	No	
Gas/Water Lines	No	
Drilling Equipment	No	
Excavation Equipment	Yes	1,2,3,4
Machinery	Yes	1,2,3,4
Heat Exposure	No	
Cold Exposure	Yes	1,2,3,4
Oxygen Deficiency	No	
Confined Spaces	No	
Noise	Yes	1,2,3,4
Ionizing Radiation	No	
Non-ionizing Radiation	No	
Fire	No	

As a result of unanticipated work activities or changing conditions, additional hazard assessments may be required. All additional assessments will be reviewed and approved by the SSO and PES management.

Community air monitoring will be conducted during all work activities that have the potential to generate dust or vapors as further discussed in the CAMP prepared by PES and presented under separate cover.

4.0 PROJECT PERSONNEL RESPONSIBILITIES

4.1 PROJECT MANAGER

This person will be responsible for the overall management of the remedial activities with respect to the Site. The Project Manager has the authority to direct response operations and assumes total control over all site activities. Mr. Kevin Ballou is the Project Manager and can be reached at 518-885-4399 (office) or at 914-924-2176 (cell phone).

4.2 PROJECT FOREMAN

This person will act in a supervisory capacity over all employees and onsite activities through the course of the project. He will be responsible for day to day coordination/completion of onsite activities, subcontractors, communication with TRC personnel, scheduling activities and other onsite activities. The Project Foreman has the authority to manage all onsite activities and will be in direct communication with the Project Manager to ensure that the remedial activities are completed efficiently and in

accordance with the *Incinerator Building Demolition and Debris Consolidation Work Plan*.. Carl Graves is the Project Foreman and can be reached at 518-885-4399 (office) or at 518-365-1105 (cell phone).

4.3 SITE SAFETY OFFICER (SSO)

This individual advises the Project Manager/Project Foreman on all aspects of health and safety onsite including the Community Air Monitoring Program. This individual also has the authority to stop work if any operation threatens workers or public safety and health. Depending on circumstances, the Project Foreman may act as the SSO. The SSO will be assigned at the start of the project.

4.4 EMPLOYEES

Responsibilities of employees associated with this project include, but are not limited to:

- Understanding and abiding by the policies and procedures specified in the HASP and other applicable safety policies, and clarifying those areas where understanding is incomplete.
- Providing feedback to health and safety management relating to omissions and modifications in the HASP or other safety policies.
- Notifying the SSO immediately and then in writing, of unsafe conditions and acts.

4.5 SUBCONTRACTORS

If applicable, each PES subcontractor will be responsible for assigning specific work tasks to their employees. Each subcontractor's management will provide qualified employees and allocate sufficient time, materials, and equipment to safely complete assigned tasks. In particular, each subcontractor is responsible for equipping its personnel with any required personnel protective equipment (PPE and all required training).

PES considers each subcontractor to be an expert in all aspects of the work operations for which they are tasked to provide, and each subcontractor is responsible for compliance with the regulatory requirements that pertain to those services. Each subcontractor is expected to perform its operations in accordance with its own unique safety policies and procedures, in order to ensure that hazards associated with the performance of the work activities are properly controlled. Copies of any required safety documentation for a subcontractor's work activities will be provided to PES for review prior to the start of onsite activities, if required.

Hazards not listed in this HASP but known to any subcontractor, or known to be associated with a subcontractor's services, must be identified, and addressed to the PES PM or the SSO prior to beginning work operations. The SSO or authorized representative has the authority to halt any subcontractor operations, and to remove any subcontractor or subcontractor employee from the Site for failure to comply with established health and safety procedures or for operating in an unsafe manner.

4.6 VISITORS

Authorized visitors (e.g., NYSDEC personnel, TRC personnel, PES management staff, etc.) requiring entry to any work location on the Site will be briefed by SSO on the hazards present at that location. Visitors will be escorted at all times at the work location and will be responsible for compliance with their employer's health and safety policies. In addition, this HASP specifies the minimum acceptable qualifications, training and personal protective equipment which are required for entry to any controlled work area; visitors must comply with these requirements at all times.

Visitors to any HAZWOPER controlled-work area must comply with the health and safety requirements of this HASP and demonstrate an acceptable need for entry into the work area. All visitors desiring to enter any controlled work area must observe the following procedures:

1. A written confirmation must be received by PES documenting that each of the visitors has received the proper training required by this HASP. Verbal confirmation can be considered acceptable provided such confirmation is made by an officer or other authorized representative of the visitor's organization.

2. Each visitor will be briefed on the hazards associated with the site activities being performed and acknowledge receipt of this briefing by signing the appropriate tailgate safety briefing form.

3. All visitors must be escorted by a PES employee.

5.0 PERSONAL PROTECTIVE EQUIPMENT

5.1 PERSONAL PROTECTIVE EQUIPMENT

The purpose of personal protective equipment (PPE) is to provide a barrier, which will shield or isolate individuals from the chemical and/or physical hazards that may be encountered during work activities. Table 5-1 lists the minimum PPE required during site operations and additional PPE that may be necessary. All personnel will be provided with appropriate personal safety equipment and protective clothing. Each individual will be properly trained in the use of this safety equipment before the start of field activities. Safety equipment and protective clothing shall be used as directed by the SSO. All such equipment and clothing will be cleaned and maintained in proper condition by the personnel. The SSO will monitor the maintenance of personal protective equipment to ensure proper procedures are followed.

By signing this HASP, the employee agrees having been trained in the use, limitations, care, and maintenance of the protective equipment to be used by the employee at this project. If training has not been provided, request same of the PM/SSO for the proper training before signing.

The personal protective equipment levels designated below are in conformance with EPA criteria for Level A, B, C, and D protection. All respiratory protective equipment used will be approved by NIOSH/MSHA.

TABLE 5-1: Personal Protective Equipment

TYPE	MATERIAL	ADDITIONAL INFORMATION	TASK CATEGORY (Section 3.5)
Minimum PPE			
Safety Vest	ANSI Type II high-visibility	Must have reflective tape/be visible from all sides	1,2,3,4
Boots	Leather	ANSI approved safety toe	1,2,3,4
Safety Glasses		ANSI Approved	1,2,3,4
Hard Hat		ANSI Approved	1,2,3,4
Work Uniform		No shorts/cutoff jeans or sleeveless shirts	1,2,3,4
Additional PPE:			
Hearing Protection	Ear plugs and/ or muffs	In hazardous noise areas	2,3
Leather Gloves		If working with sharp objects or powered equipment.	1,2,3,4
Protective Chemical Gloves	Nitrile	During handling of all potential chemically impacted media.	2,3

Protective Chemical Coveralls	Tyvek	For use where contact potential with chemically impacted media exists.	2,3 (as needed)
Protective Chemical Boots	Rubber overbooties or dedicated rubber boots	For use where contact potential with chemically impacted media exists.	2,3 (as needed)
Level C Respiratory Protection	MSA (Full Face or equivalent) equipped with GME/P100	Upgrade based on air monitoring requirements established in Table 3-2.2	3 (as needed)
Sunscreen	SPF 30 or higher	If necessary	1,2,3,4
Cold Weather Gear	Hard hat liner, hand warmers, insulated gloves	If necessary	1,2,3,4

In the event onsite conditions warrant Level C respiratory protection, mitigation methods (e.g., stopping work to allow ventilation, etc.) will be implemented to reduce VOCs in the work area such that work can continue without the use of respirators. In the event these mitigation methods prove ineffective, work will continue with Level C respiratory protection. Only those individuals that have undergone the proper HAZWOPER medical surveillance, are deemed fit to wear a respirator by medical personnel and have been properly fit tested will be allowed to continue work in Level C.

5.2 PPE DOFFING AND DONNING INFORMATION

The following information is to provide field personnel with helpful hints that, when applied, make donning and doffing of PPE a safer and more manageable task:

- Never cut disposable booties from your feet with basic utility knives. This has resulted in workers cutting through the booty and the underlying sturdy leather work boot, resulting in significant cuts to the legs/ankles. Recommend using a pair of scissors or a package/letter opener (cut above and parallel with the work boot) to start a cut in the edge of the booty, then proceed by manually tearing the material down to the sole of the booty for easy removal.
- When applying duct tape to PPE interfaces (wrist, lower leg, around respirator, etc.) and zippers, leave approximately one inch at the end of the tape to fold over onto itself. This will make it much easier to remove the tape by providing a small handle to grab while still wearing gloves. Without this fold, trying to pull up the tape end with multiple gloves on may be difficult and result in premature tearing of the PPE.
- Have a "buddy" check your ensemble to ensure proper donning before entering controlled work areas. Without mirrors, the most obvious discrepancies can go unnoticed and may result in a potential exposure situation.
- Never perform personal decontamination with a pressure washer.

6.0 DECONTAMINATION

6.1 GENERAL REQUIREMENTS

All possible and necessary steps shall be taken to reduce or minimize contact with chemicals and contaminated/impacted materials while performing field activities (e.g., avoid sitting or leaning on, walking through, dragging equipment through or over, tracking, or splashing potential or known contaminated/impacted materials, etc.).

All personal decontamination activities shall be performed with an attendant (buddy) to provide assistance to personnel that are performing decontamination activities. Depending on specific site hazards, attendants may be required to wear a level of protection that is equal to the required level in the Exclusion Zone (EZ).

All persons and equipment entering the EZ shall be considered contaminated, and thus, must be properly decontaminated prior to entering the contaminant reduction zone (CRZ).

Decontamination procedures may vary based onsite conditions and nature of the contaminant(s). If chemicals or decontamination solutions are used, care should be taken to minimize reactions between the solutions and

contaminated materials. In addition, personnel must assess the potential exposures created by the decontamination chemical(s) or solutions. The applicable Safety Data Sheet (SDS) must be reviewed, implemented, and filed by personnel contacting the chemicals/solutions.

All contaminated PPE and decontamination materials shall be contained, stored, and disposed of in accordance with site-specific requirements determined by site management.

6.2 DECONTAMINATION EQUIPMENT

The equipment required to perform decontamination may vary based onsite-specific conditions and the nature of the contaminant(s). The following equipment is commonly used for decontamination purposes:

- Soft-bristle scrub brushes or long-handled brushes to remove contaminants;
- Hoses, buckets of water or garden sprayers for rinsing;
- Large plastic/galvanized wash tubs or children's wading pools for washing and rinsing solutions;
- Large plastic garbage cans or similar containers lined with plastic bags for the storage of contaminated clothing and equipment;
- Metal or plastic cans or drums for the temporary storage of contaminated liquids; and
- Paper or cloth towels for drying protective clothing and equipment.

6.3 PERSONAL/EQUIPMENT DECONTAMINATION

All equipment leaving the EZ shall be considered contaminated and must be properly decontaminated to minimize the potential for exposure and off-site migration of impacted materials. Such equipment may include, but is not limited to sampling tools, heavy equipment, vehicles, PPE, support devices (e.g., hoses, cylinders, etc.), and various handheld tools.

All employees performing equipment decontamination shall wear the appropriate PPE to protect against exposure to contaminated materials. The level of PPE may be equivalent to the level of PPE required in the EZ. Other PPE may include splash protection, such as face-shields and splash suits, and knee protectors. Following equipment decontamination, employees may be required to follow the proper personal decontamination procedures above.

Personnel decontamination should consist of the following procedure:

1. For Overbootie Removal

   - Grasp top of overbootie and roll downward (inside out)
   - Using gloved hands, place booties in receptacle

2. For Suit Removal

   - Unzip suit and remove arms, turning inside-out
   - Slide suit down, over waist
   - Slide suit downward over legs, and step out
   - Using gloved hands, grasp inside of suit, and place in receptacle.

3. For Glove removal:

   - Grasp the cuff of the dominant hand and pull glove over the bulk of the hand, leaving the fingers inside the glove.
   - Use the dominant hand to grasp the cuff of the non-dominant hand and pull the glove completely off (inside-out) and place inside of the dominant hand glove.
   - Once removed, employee should only touch the inside material of the dominant hand glove.
   - Thoroughly wash hands.

4. For APR Removal

- Remove cartridges and place in receptacle
- Loosen straps, grasp back strap and face piece, and doff mask
- Decon mask and hang to dry

All employees who are expected to don respiratory protection must have successfully passed a qualitative or quantitative fit-test within the past year for the brand, model, and size respirator they plan to don. If worn, respirators will be cleaned after each use with respirator wipe pads and will be stored in plastic bags after cleaning. Respirators will be thoroughly cleaned using disinfectant material within one week following any respirator use. Refer to the cleaning instructions provided with the respirator or specified in the OSHA regulations at 29 CFR 1910.134.

For larger equipment, a high-pressure washer may need to be used. Some contaminants require the use of a detergent or chemical solution and scrub brushes to ensure proper decontamination. Before heavy equipment and trucks are taken offsite, the SSO will visually inspect them for signs of contamination. If contamination is present, the equipment must be decontaminated.

For smaller equipment, use the following steps for decontamination:

1. Remove majority of visible gross contamination in EZ.
2. Wash equipment in decontamination solution with a scrub brush and/or power wash heavy equipment.
3. Rinse equipment.
4. Visually inspect for remaining contamination.
5. Follow appropriate personal decontamination steps outlined above.

All decontaminated equipment shall be visually inspected for contamination prior to leaving the Contaminant Reduction Zone (CRZ). Signs of visible contamination may include an oily sheen, residue or contaminated soils left on the equipment. All equipment with visible signs of contamination shall be discarded or re- decontaminated until clean. Depending on the nature of the contaminant, equipment may have to be analyzed using a wipe method or other means.

7.0 RESPONSE/WORK AREAS

7.1 GENERAL

The purpose of site control is to minimize potential contamination of workers, protect the public from site hazards, and prevent vandalism. The degree of site control necessary depends on the site characteristics, site size, and the surrounding community.

Controlled work areas will be established at each work location, and if required, will be established directly prior to the work being conducted. Diagrams designating specific controlled work areas will be drawn onsite maps, posted in the support vehicle or trailer, and discussed during the daily safety meetings. If the site layout changes, the new areas and their potential hazards will be discussed immediately after the changes are made.

7.2 CONTROLLED WORK AREAS

Each HAZWOPER controlled work area will consist of the following three zones:

- Exclusion Zone (EZ): Contaminated work area.
- Contamination Reduction Zone (CRZ): Decontamination area.
- Support Zone (SZ): Uncontaminated or "clean area" where personnel should not be exposed to hazardous conditions.

In addition, in the event of an emergency, a muster zone will also be established. Each zone will be periodically monitored in accordance with the air monitoring requirements established in this HASP and the CAMP. The EZ and the CRZ are

considered work areas. The EZ and CRZ will be adjusted throughout the project to isolate the immediate work area from the support area, an example of the controlled work areas is shown in Figure 1. The SZ will be located immediate inside the entrance gate and is accessible to the public (e.g., property owner, inspectors, etc.)

7.2.1 Exclusion Zone

The EZ is the area where primary activities occur, such as clearing/grubbing, waste material sorting/consolidating, building demolition, site restoration and other activities associated with the scope of work. This area must be clearly marked with hazard tape, barricades, or cones, or enclosed by fences or ropes. Only personnel involved in work activities, and meeting the requirements specified in this HASP will be allowed in the EZ.

The extent of each area will be sufficient to ensure that personnel located at/beyond its boundaries will not be affected in any substantial way by hazards associated with remedial/construction activities.

- **Remedial Activities**: To the extent possible, a minimum distance of 20 to 30 feet in all directions will be cleared from the proposed work area. The cleared area will be sufficient to accommodate movement of necessary excavation equipment/machinery, dump trucks/trailers used to manage sorted waste materials, etc. Vehicles and other hard barriers should be used where applicable to protect employees and other onsite personnel.

All personnel should be alert to prevent unauthorized, accidental entrance into controlled-access areas (the EZ and CRZ). If such an entry should occur, the trespasser should be immediately escorted outside the area, or all HAZWOPER-related work must cease. All personnel, equipment, and supplies that enter controlled-access areas must be decontaminated or containerized as waste prior to leaving (through the CRZ only).

7.2.2 Contamination Reduction Zone

The CRZ is the area on site dedicated to decontamination of equipment and materials. The decontamination of workers and equipment limits the physical transfer of hazardous substances into the clean area. This area must also be clearly marked with hazard tape and access limited to personnel involved in decontamination.

7.2.3 Support Zone

The SZ is an uncontaminated zone where administrative and other support functions, such as first aid, equipment supply, emergency information, etc., are located. The SZ shall have minimal potential for significant exposure to contaminants (i.e., background levels).

Employees will establish a SZ (if necessary) at the Site before the commencement of site activities. The SZ would also serve as the entry point for controlling site access.

8.0 EMERGENCY PROCEDURES

Although the potential for an emergency to occur is remote, an emergency action plan has been prepared for this project should such critical situations arise. In the event of a site emergency, fire, medical, spill, site personnel will immediately notify onsite or outside emergency personnel. If not onsite, the Project Manager will also be immediately notified. Table 8-1 provides a list of emergency contacts.

TABLE 8-1: Emergency Contacts

Nearest Hospital: Granville Medical Center, 79 North Street, Granville, NY (Map and Directions provided in Appendix B)		518-642-0612
Ambulance		911
Fire Department		911
Emergency Control		911
Police Department		911
Poison Control Center	Upstate Medical Center	800-222-1222
US Government Chemical Toxin Spills, Oil Spills, and Pollutant Discharges		800-424-8802
National Response Center (for all emergencies)		800-424-8800
NYSDEC Oil & Chemical Spills 24-hour Hotline		800-457-7362
PES Project Foreman Carl Graves		518-365-1105
PES Project Manager Kevin Ballou		914 924-2176
PES Management John Johnson		518-885-4399/ 518-365-0977
NYSDEC Project Manager Brianna Scharf		518-402-5987
Dig Safely NY - Call Before You Dig		800-962-7962

8.1 SAFETY ACCIDENT/INCIDENT REPORTING

All accidents and incidents that occur onsite during any field activity will be promptly reported to the SSO and the Project Foreman.

If any PES employee is injured and requires medical treatment, the Project Foreman will report the incident in accordance with PES's incident reporting procedures. A copy of the final Report of Incident will be provided to PES Management before the end of the following shift.

If any employee of a subcontractor is injured, documentation of the incident will be accomplished in accordance with the subcontractor's procedures; however, copies of all documentation (which at a minimum must include the OSHA Form 301 or equivalent) must be provided to the SSO within 24 hours after the accident has occurred.

All accidents/incidents will be investigated.

8.2 ENVIRONMENTAL SPILL/RELEASE REPORTING

All environmental spills or releases of hazardous materials (e.g., fuels, solvents, etc.), whether in excess of the reportable quantity or not, will be reported to the Project Foreman, Project Manager and PES management. In determining whether a spill or release must be reported to a regulatory agency, the Project Foreman will assess the quantity of the spill or release and evaluate the reporting criteria against the state-specific reporting requirements, applicable regulatory permit, and/or client-specific reporting procedures.

9.0 MISCELLANEOUS HEALTH AND SAFETY ITEMS

9.1 HEAT STRESS

Pervious clothing: when the ambient air temperature has exceeded 80º F for more than one hour the SSO will begin to monitor employees for signs of heat stress. Monitoring will take the form of measuring oral temperatures. The air temperature will be measured after every shift at a minimum or as determined by the SSO.

Impervious clothing: when the ambient air temperature has exceeded 70ºF for one hour, the SSO will begin to monitor employees for signs of heat stress. Monitoring will take the form of measuring oral temperatures. As the air temperature exceeds 85ºF, oral temperatures will be measured after every shift at a minimum or as determined by the SSO.

In the event that the oral temperature at the beginning of the rest period exceeds 100ºF, the employee will be decontaminated and be advised to proceed to an air conditioned room or to apply wet cloths to his/her head and neck areas and to drink some fluids. At the end of the rest period, the oral temperature will be taken again to ensure that the employee's temperature is below 100ºF. If the oral temperature has remained above 100ºF, the employee will be sent to consult a physician.

9.2 COLD WORK ENVIRONMENTS

Planning for work in cold weather is the most important defense. Wearing the appropriate clothing and being aware of how your body is reacting to the cold are important to preventing cold stress. Avoiding alcohol, certain medications and smoking can also help minimize the risk. Given the anticipated project schedule, a cold work environment is not expected; however, in the event of a change in schedule that results in a cold work environment, the following precautions will be taken.

Protective clothing: Wearing the right clothing is the most important way to avoid cold stress. The type of fabric also makes a difference. Cotton loses its insulation value when it becomes wet. Wool, on the other hand, retains its insulation even when wet. The following are recommendations for working in cold environments:

Wear at least three layers of clothing:

- An outer layer to break the wind and allow some ventilation (Gore-Tex® or nylon);
- A middle layer of down or wool to absorb sweat and provide insulation even when wet; and
- An inner layer of cotton or synthetic weave to allow ventilation.

Wear a hat. Up to 40% of body heat can be lost when the head is left exposed.

Wear insulated boots or footwear.

Have a change of dry clothes available.

Work Practices

- Drink lots of fluids. Avoid caffeine and alcohol.
- If possible, heavy work should be scheduled during the warmer parts of the day.
- Take breaks.

Signs and Symptoms:

Mild Hypothermia
- Shivering
- Lack of coordination, stumbling
- Fumbling hands
- Slurred speech
- Memory Loss
- Pale, cold skin

Moderate Hypothermia
- Shivering stops
- Unable to walk or stand
- Confused and irrational

Severe Hypothermia
- Severe muscle stiffness
- Very sleepy or unconscious
- Ice cold skin
- Death

What To Do: Move to warm area, stay active, remove wet clothes and replace with dry clothes or blankets, cover the head, drink warm (not hot) sugary drink. Moderate to severe hypothermia all of the above plus call 911, cover all extremities completely, place hot packs or water bottles on the victim's neck, head, chest, and groin. Severe hypothermia do not re-warm the body.

Frostbite

- Cold, tingling, or aching feeling in frostbitten area, followed by numbness.
- Skin color turns red, then purple, then white or very pale. Cold to the touch.
- Blisters in severe cases.

What to Do: Call 911. Don't rub the area. Wrap in soft cloth. Run under warm water not hot water if help is delayed.

10.0 SAFETY MEETINGS/COMMUNICATION

10.1 TAILGATE MEETINGS

Prior to the commencement of daily project activities, a tailgate meeting will be conducted by the SSO to review the specific requirements of this HASP. Attendance at the daily tailgate meeting is mandatory for all employees at the Site covered by this HASP and must be documented on the tailgate safety meeting attendance form included in Appendix C. All safety training documentation is to be maintained in the project file by the SSO.

Additional safety meetings will be held on an as required basis.

10.2 HAZARD COMMUNICATION

Hazardous materials that may be encountered as existing onsite environmental or physical/health contaminants during the work activities are addressed in this HASP and their properties, hazards and associated required controls will be communicated to all affected staff and subcontractors.

All personnel shall be briefed on the hazards of any chemical product they use and shall be aware of and have access to all SDS.

All containers onsite shall be properly labeled to indicate their contents. Labeling on any containers not intended for single-day, individual use shall contain additional information indicating potential health and safety hazards (flammability, reactivity, etc.).

10.3 BUDDY SYSTEM

All field personnel will use the buddy system when working within any controlled work area. Personnel belonging to another organization onsite can serve as "buddies" for PES personnel. Under no circumstances will any employee be present alone in a controlled work area.

11.0 TRAINING

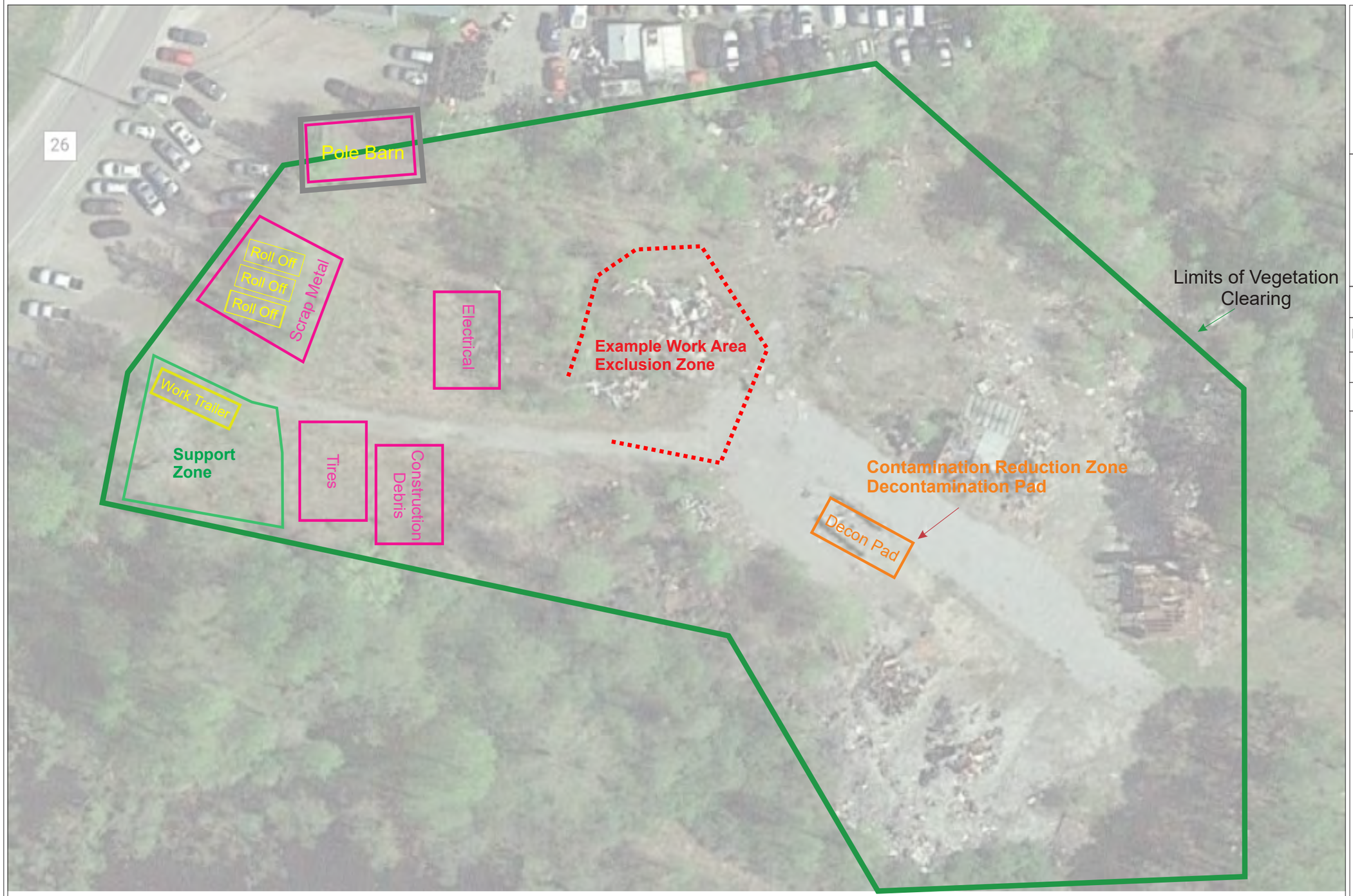
All PES personnel at the Site will have HAZWOPER training relative to their job responsibilities or role at the Site. Such training will be provided prior to their being allowed to engage in site activities that could expose personnel to health and safety hazards. The Project Manager or designated alternate has the responsibility to ensure this training is provided, reflective of site conditions, and is updated as needed.

All personnel who will work on the Site will be required to read this HASP. Prior to work on the Site, each individual must read and sign the site health and safety plan acknowledgement form, presented in Appendix D indicating they have read and understand the requirements set forth in this HASP. Before the start of each day, a toolbox talk will be conducted to address safety issues and concerns.

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

FIGURE



PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67,LOT 38A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

Figure 1
Controlled Work Areas

PROJECT : Katzman Recycling Site	
LOCATION: Route 26, Granville NY	
DATE: 12/3/2021	**CREATED BY:** KMB
FIGURE 2	

LEGEND

- Example Exclusion Zone
- Contamination Reduction Zone
- Support Zone

N

0 50 100 Feet

NOTES:

- ALL LOCATIONS ARE APPROXIMATE

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

APPENDIX A

NYSDOH GUIDELINES FOR COVID-19

SECTION 01 35 33 – COVID-19 RISK MANAGEMENT

PART 1 – GENERAL

1.1 SUMMARY

A. This Section includes requirements for managing and minimizing the potential for transmission of the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) virus, which causes the Novel Coronavirus Disease 2019 (COVID-19). COVID-19 typically causes respiratory illness in people.

B. Transmission: SARS-CoV-2 is currently known to spread via respiratory droplets produced when a person infected with the virus coughs or sneezes, the same way flu and other respiratory illnesses spread. SARS-CoV-2 can also be transmitted if people touch surfaces and objects with the virus on it.

C. Symptoms: COVID-19 can cause mild to severe respiratory illness with symptoms of fever, cough, and difficulty breathing. Preliminary information suggests older adults and people with underlying health conditions or compromised immune systems may be at higher risk of severe illness from this virus. Center for Disease Control (CDC) believes that symptoms of COVID-19 begin between 2 and 14 days after exposure.

D. Best Practices to Prevent Infection: Currently the best way identified to prevent infection is to minimize the potential of exposure to SARS-CoV-2. CDC recommends everyday actions to help prevent the spread of any respiratory viruses

- Wash your hands often with soap and water for at least 20 seconds. If soap and water are not available, use an alcohol-based hand sanitizer, containing at least 60% alcohol.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Avoid close contact with people who are sick.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash can and wash hands or use hand sanitizer.
- Clean and disinfect frequently touched objects and surfaces.
- Wear face masks
- Safe social distancing (e.g., maintain a distance of 6 feet between people, limited group meetings)

1.2 OBJECTIVE

A. The objective of this specification is to minimize transmission and subsequent infections of COVID-19 in project staff that may arise as a result of exposure to SARS-CoV-2 released into the environment during construction and renovation activities. Controlling the dispersal of airborne infectious agents is critical to achieving this objective.

1.3 PERFORMANCE REQUIREMENTS AND RESPONSIBILITIES

A. The intent of this Section is to document and formalize the Contractor's requirements for minimizing the risk of transmission of COVID-19 among site workers, project staff, and

the surrounding community during construction per the latest recommendations of federal, state and local health agencies. This includes developing a COVID-19 Management Plan, establishing procedures for conducting onsite work activities to prevent virus transmission, monitoring staff health, and reporting requirements.

B. The Contractor is expected to communicate the requirements described in this section to all site workers, subcontractors, and visitors to the site daily, during daily Health and Safety meetings as well as through site postings (see attachment).

C. Contractors and their subcontractors are required at all times to guard the safety and health of all persons on and in the vicinity of the work site.

D. Contractors and their subcontractors are required to comply with all applicable rules, regulations, codes, and bulletins of the New York State Department of Labor and the standards imposed under the Federal Occupational Safety and Health Act of 1970, as amended ("OSHA").

E. Contractors and their subcontractors must comply with all City or State of New York safety requirements for projects within the City or State of New York constructed in accordance with the applicable building code.

F. Contractors and their subcontractors shall stay current and immediately implement the most up-to-date government issued practices to protect the safety and health of your employees, clients, and the general public.

1.4 RELATED SECTIONS (Not Used).

1.5 REFERENCES

A. Occupational Safety and Health Administration (OSHA) Guidance on Preparing Workplaces for COVID-19

B. New York State Department of Health

C. Centers for Disease Control and Prevention (CDC)

D. National Institute for Occupational Safety and Health (NIOSH)

E. Health Insurance Portability and Accountability Act (HIPAA)

1.6 SUBMITTALS

A. The Contractor shall prepare a COVID-19 Management Plan which can be a Supplement, or Addendum, to the Contractor' Health and Safety Plan

B. The CONTRACTOR shall develop a one-page summary of site-specific practices for COVID-19 management and clearly display on site. Operating hours, delivery times, and extra considerations for works involving a high volume of personnel or potential for interaction with community members could also be included in the summary.

C. The Contractor's Daily Field Report shall include a Daily Health Checklist, with the following questions at a minimum:

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☐	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐
Are remote/call-in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☐	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☐	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☐
Comments:		

1.7 COVID-19 MANAGEMENT PLAN

A. At a minimum, the COVID-19 Management Plan shall include:
   1. Identification of potential exposure pathways and exposure risks associated with work tasks, e.g. activity hazard analysis (AHA).
   2. Identification of local health department contact information and COVID-19 testing sites and procedures.
   3. Detailed written description of the onsite personnel protection measures that will be utilized and a detailed explanation of how they will be implemented, monitored, and communicated.
   4. Detailed written description of measures that will be taken to prevent transmission to or from the surrounding community and how they will be implemented and communicated.
   5. Procedures to be followed in the event a site worker is diagnosed with or is suspected of having COVID-19, including identification of all personnel potentially exposed and isolation requirements.
   6. Daily cleaning schedules and disinfection procedures per the most recent CDC guidelines.
   7. Cleaning and disinfection procedures in the event there is/are suspected COVID-19 case(s) among site personnel.
   8. Site access controls and entry/exit procedures.
   9. Plan view of points of egress and delivery locations.

B. The COVID-19 Management Plan must be updated following any issued change(s) in federal, state, or local health agency guidance.

1.8 PRECONSTRUCTION CONFERENCE

A. Pre-Construction Conference shall include a review of methods and procedures related to COVID-19 risk management including, but not limited to the following:
   1. Review of COVID-19 Management Plan
   2. Review infection control procedures
   3. Review staff monitoring and reporting requirements.

PART 2 - PRODUCTS - Not Used

PART 3 - EXECUTION

3.1 RISK IDENTIFICATION

A. COVID-19 is a new disease; scientists and health agencies are continuously learning about how it spreads. The Contractor shall adjust site policies based on the most up to date government issued guidance regarding transmission.

B. Contractor shall confirm staff that have worked in locations where quarantine orders are in place, have met the minimum quarantine guidance and do not have symptoms prior to mobilizing to site.

C. Contractor shall monitor staff daily, including checking, and documenting, temperature with no contact infrared thermometer, to confirm onsite staff do not exhibit COVID-19 symptoms. Contractor shall provide daily reports of those tests upon NYSDEC's request.

3.2 RISK MINIMIZATION

A. Engineering Controls
   1. Increasing ventilation rates of interior workspaces.
   2. Access controls, including fences and locking gates.
   3. Maintain 6 feet distances, using distance markers where appropriate in the field.

B. Administrative Controls
   1. Continuous and effective communication of administrative controls/requirements to all site personnel and visitors, through the posting of site signage, preparation and distribution of site plans, presented during site meetings, and verbal warnings if necessary.
   2. Require that all employees exhibiting any COVID-19 symptom do not enter the site and provide sick leave policies to support this requirement.
   3. To minimize face-to-face interaction, the Site's Health & Safety Officer's (or other designated employee) phone number shall be prominently posted and disseminated to project staff to be called for the purpose of site sign in and sign out by all visitors to the site upon arrival and exit. The designated employee will receive entry and exit calls each day and will fill out the site entry/exit log for each site visitor to reduce traffic in site trailer and/or the number of individuals contacting the site access tracking log.
   4. Staffing: only those employees necessary to complete critical path task(s) shall be present on-site at any given time. Work shall be scheduled to minimize the density of personnel in any given area at any given time.
   5. Working Remotely; employees shall be encouraged to complete work remotely if possible.
   6. Face-to-face meetings shall be replaced with video or phone conferences when practicable.
   7. Social distancing shall be exercised for face-to-face meetings e.g. daily Health and Safety tailgate meeting. In addition, the Contractor shall plan to have multiple meetings (if necessary) to keep the number of participants to a threshold that allows for the practice of social distancing protocol. The Health and Safety

officer will keep a record of all present for each meeting on the Health and Safety log.

8. Quarantine staff that have been in contact with a anyone that tested positive and notify NYSDEC immediately.

C. Safe Work Practices

1. The Contractor shall employ social distancing protocol for all onsite activities when able.
2. The Contractor provide PPE and adequate hand washing stations and hand sanitizer (containing a minimum of 60% alcohol) to allow site personnel and visitors to practice good personal hygiene.
3. The Contractor shall provide tissues, paper towels, no-touch trash cans, and disinfectants to maintain site cleanliness.
4. Sharing of tools and heavy equipment shall be limited to the extent practicable; handles of shared tools and equipment shall be sanitized regularly.

D. Personal Protective Equipment

1. Employees shall be provided disposable personal protective equipment (PPE), including gloves, goggles, face shields, face masks, and respiratory protection, as appropriate based on work environment and current recommendations by OSHA and CDC.
2. All PPE must be selected based on hazard to the worker, properly fitted and periodically refitted, consistently and properly worn when required, regularly inspected, maintained, and replaced, as necessary, and properly removed, cleaned, and stored or disposed of, to avoid contamination of self, others, or the environment.
3. PPE worn to prevent transmission of COVID-19 is not to be confused with PPE for protection against site contaminants.
4. PPE must be worn, removed, and disposed of correctly in order to remain effective.
    a. Face masks should fit snugly but comfortable against the side of the face and over the nose and be secured with ties or ear loops; cloth masks must include multiple layers of fabric, allow for breathing without restriction, and be able to be laundered and machine dried without damage.
    b. Face masks should be worn consistently and removed without touching eyes, nose, and mouth. An individual should wash their hands after handling a used face mask.
    c. Cloth face coverings should be sterilized by machine washing between use; disposable face masks shall be disposed of properly after using.
    d. Gloves are only effective if changed and disposed of frequently, to avoid cross-contamination.

3.3 NOTIFICATION OF POTENTIAL OR CONFIRMED INFECTION

A. The Contractor shall notify the Department immediately upon identification of a suspected or confirmed infection of COVID-19. This notification shall comply with HIPAA regulations.

B. The Contractor shall remove an individual suspected to have COVID-19 from the site immediately (to the individuals' hotel or local place of residence if transport home is not

immediately feasible), as well as those who have worked in close contact with that individual for extended periods of time (an hour at a time or more) over the previous week. The individual with suspected infection shall contact their health care provider and/or follow local health department testing procedures and protocol.

C. While in the process of removing an employee exhibiting symptoms, steps should be taken to isolate the individual, place a surgical mask on the individual and inform the local health department and the NYSDEC.

D. In the event the individual with suspected infection cannot get home right away, they shall isolate in their hotel room (notifying hotel management of their symptoms), contact their health care provider, and/or follow local health department testing procedures and protocol.

E. In the absence of local health department information, the individual may call the New York State Hotline at 1-888-364-3065.

F. The Contractor shall maintain communication with potentially infected individual(s) and notify the Engineer upon receipt of COVID-19 test results.

G. Positively infected individuals may return to work at the site after 72 hours of being symptom-free and 7 days of isolation after the first symptoms appeared, or in accordance with the current federal, state, and local guidelines

H. OSHA recordkeeping requirements at 29 CFR Part 1904 mandate covered employers record certain work-related injuries and illnesses on their OSHA 300 log. COVID-19 can be a recordable illness if a worker is infected as a result of performing their work-related duties. However, employers are only responsible for recording cases of COVID-19 if all the following are met:

1. The case is a confirmed case of COVID-19 (see CDC information on persons under investigation and presumptive positive and laboratory-confirmed cases of COVID-19).

2. The case is work-related, as defined by 29 CFR 1904.5; and

3. The case involves one or more of the general recording criteria set forth in 29 CFR 1904.7 (e.g. medical treatment beyond first-aid, days away from work).

END OF SECTION

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Entry/Exit Log with COVID-19 Acknowledgement

Project Name: _____

Project #: _____

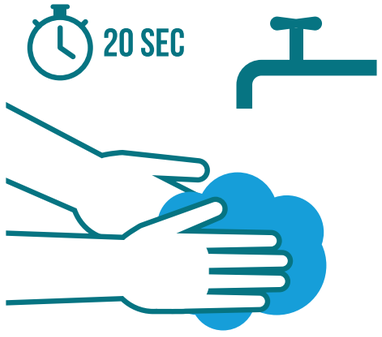
New York State Department of Environmental Conservation's (DEC) objective is to provide a safe and healthy workplace. In response to COVID-19, DEC is prohibiting access to our work areas by those who pose an elevated risk of spreading COVID-19. By completing this site Entry/Exit log, you acknowledge your understanding of this policy and confirm that your health and travel history is NOT in one of the prohibited access groups listed below, and to the best of your knowledge, you do not pose an elevated risk of transmitting COVID-19 to others. Please leave the site immediately and follow recommendations from public health agencies and your healthcare provider if you fall into one of the prohibited access groups listed below:

- You are experiencing flu-like symptoms including but not limited to fever, chills, cough, sore throat, diarrhea, vomiting, runny/stuffy nose, muscle or body aches, headaches, fatigue.
- You have traveled to CDC-restricted destinations in the last 2 weeks including China, South Korea, Iran, United Kingdom & Ireland, all European Union countries, Switzerland and regions within the U.S. for which public health agencies have prohibited travel.
- You had direct contact with a person diagnosed with COVID-19 or suspected of having COVID-19 during the last 2 weeks.

Name	Initials	Affiliation	Date	Time In	Time Out

This page left intentionally blank

PREVENT INFECTION



Wash your hands and use hand sanitizer

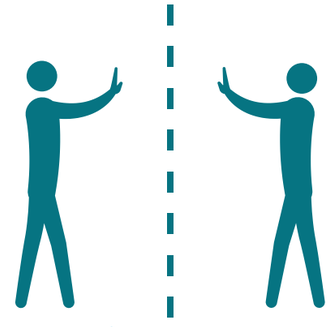
Wash your hands frequently and thoroughly, for a minimum of 20 seconds.

Use hand sanitizer, containing at least 60% alcohol when you are unable to wash you hands with soap and water.

Cover your cough or sneeze

Cover your mouth and nose when coughing or sneezing. Turn your head away from others, if possible, when sneezing.

Use a paper tissue or your sleeve and not your hand. Dispose of used tissues immediately.



Limit physical contact

Avoid handshakes, kisses and hugs.

Maintain at least 6 feet from all others persons when possible.

Keep clean

Regularly sanitize frequently touched and shared surfaces at home as well as at work.

Be considerate

Stay home whenever possible especially if you are experiencing symptoms.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

SITE ACCESS RESTRICTIONS

SITE ACCESS IS PROHIBITED FOR THE FOLLOWING PERSONS DUE TO COVID-19 RISK

- **You are experiencing flu-like symptoms including but not limited to:**

  Fever or feeling feverish/chills, cough, sore throat, diarrhea, vomiting, runny or stuffy nose, muscle or body aches, headaches, fatigue (tiredness)

- **You have traveled to CDC-restricted destinations during the last 2 weeks:**

  China, South Korea, Iran, United Kingdom & Ireland, all European Union countries, Switzerland and regions within the U.S. for which public health agencies have prohibited travel

- **You had direct contact with a person diagnosed with COVID-19 or suspected of having COVID-19 during the last 2 weeks**

  Immediately notify NYSDEC site management.

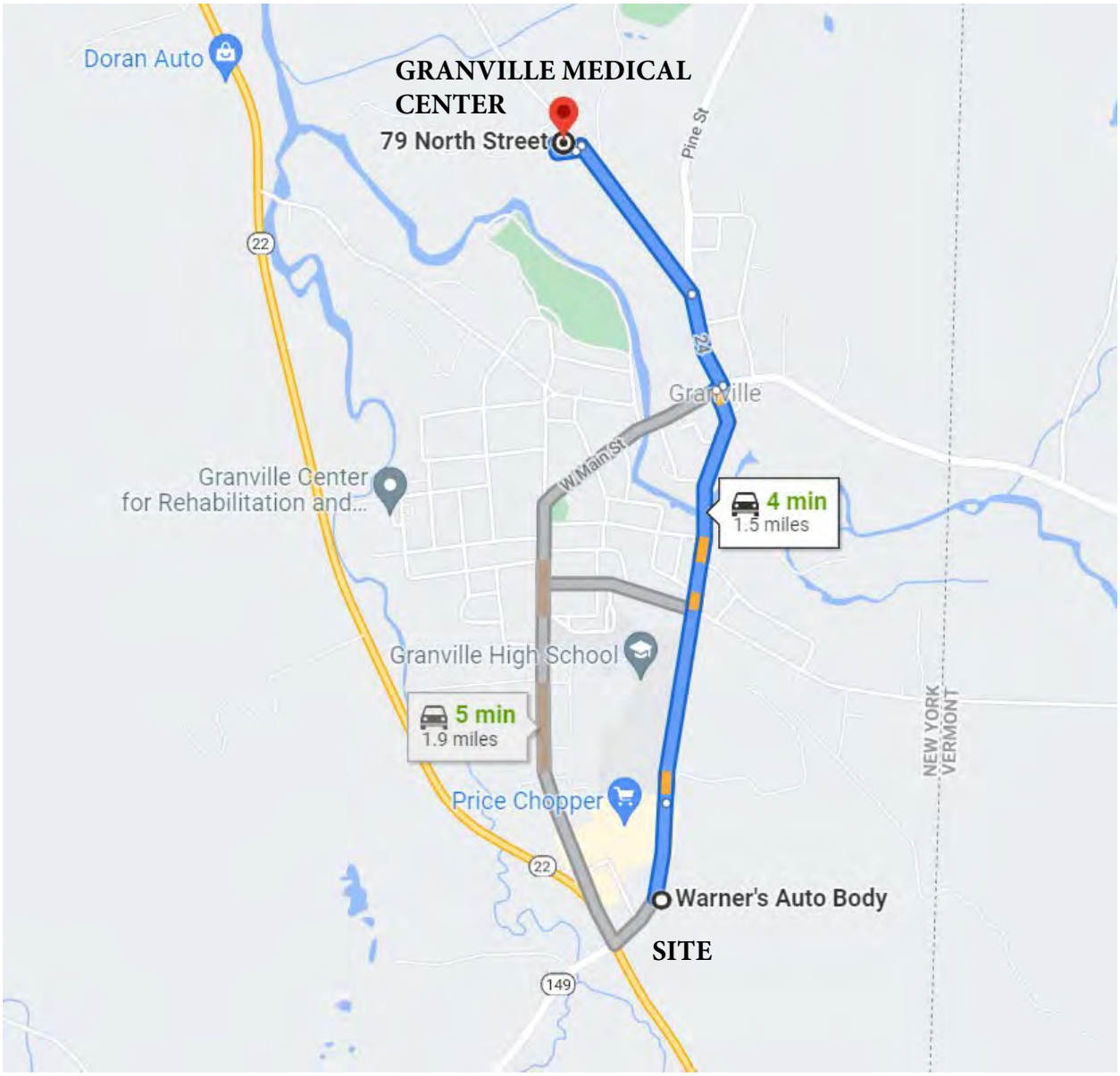
NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

APPENDIX B

MAP/DIRECTIONS TO HOSPITAL



Directions to Granville Medical Center (79 North Street, Granville, NY):

- Start out heading north on County Route 26 (~0.2 miles);
- County Route 26 becomes Church Street - continue north on Church Street (0.8 miles);
- Right turn onto Main Street (<0.1 miles);
- Left turn onto Route 24/North Street (~0.2 miles);
- Slight left turn onto North Street (~0.3 miles);
- Granville Medical Center is on the left side.

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

APPENDIX C

TAILGATE SAFETY MEETING ATTENDANCE FORM

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS 1991 - 2021

TAILGATE SAFETY MEETING ATTENDANCE FORM

SITE: Former Katzman Recycling
LOCATION: 24 County Road 26, Granville, NY
SUPERVISOR/FOREMAN:
DESCRIPTION OF WORK:

ATTENDEES

DATE	COMPANY	NAME	SIGNATURE

TOPICS COVERED

SUBJECT	YES	NO
PPE – HEAD PROTECTION, EYE, EAR, DERMAL, RESPIRATORY	☐	☐
ELECTRICAL – LOCK OUT/TAG OUT	☐	☐
CONFINED SPACE (SEPARATE PERMIT REQ'D)	☐	☐
SLIP, TRIP, FALL – UNEVEN TERRAIN	☐	☐
HEAVY EQUIPMENT	☐	☐
EXCAVATION, TRENCHES, EARTHWORK	☐	☐
FALL PROTECTION	☐	☐
FIRE PREVENTION & PROTECTION	☐	☐
FLAMMABLE & COMBUSTABLE LIQUIDS	☐	☐
FIRST AID	☐	☐
HAZARDOUS COMMUNICATION PROGRAM (HAZ COM)	☐	☐

SUBJECT	YES	NO
HEAT STRESS	☐	☐
COLD WEATHER WORK	☐	☐
LADDER SAFETY	☐	☐
SILICA DUST/DUST CONTROL	☐	☐
POWER TOOLS AND EQUIPMENT	☐	☐
TRAFFIC CONTROL	☐	☐
HOT WORK	☐	☐
SPECIALIZED TRAINING	☐	☐
BIOLOGICAL HAZARDS	☐	☐
OTHER:	☐	☐
OTHER:	☐	☐

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

APPENDIX D

SITE HEALTH AND SAFETY PLAN ACKNOWLEDGEMENT FORM

PRECISION
ENVIRONMENTAL SERVICES, INC
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

25 YEARS
1991 - 2016

SITE HEALTH AND SAFETY PLAN ACKNOWLEDGEMENT FORM

I hereby acknowledge that I have been informed and understand and will abide by the programs and procedures set forth in the Site Health & Safety Plan.

PRINTED NAME	SIGNATURE	REPRESENTING/CO.	DATE

ATTACHMENT C

PRECISION
ENVIRONMENTAL SERVICES, INC.

Ticket: 11151-001-820-00 Type: Regular Previous Ticket:

State: NY County: WASHINGTON Place: GRANVILLE
Addr: From: 33 To: Name: CO RT 26
Cross: From: To: Name:
Offset:

Locate: ENTIRE PROPERTY
NearSt: NY RT 22
Means of Excavation: EXCAVATOR Blasting: N
Site marked with white: N
Boring/Directional Drilling: N
Within 25ft of Edge of Road: N

Work Type: DEMOLITION
Estimated Work Complete Date: 11/18/2021
Depth of excavation: 4 FEET
Site dimensions: Length 750 FEET Width 750 FEET
Start Date and Time: 11/18/2021 07:00
Must Start By: 12/03/2021

Contact Name: KEVIN BALLOU
Company: PRECISION ENVIRONMENTAL
Addr1: CURTIS INDUSTRIAL PARK Addr2: 831 NY RT 67 LOT 38A
City: BALLSTON SPA State: NY Zip: 12020
Phone: 518-885-4399 Fax:
Email: kballou@pesnyinc.com
Field Contact: KEVIN BALLOU
Alt Phone: 518-885-4399 Email: kballou@pesnyinc.com
Working for: NYSDEC

Comments: DEMOLITION WORK TO TAKE PLACE AT THE FORMER KATZMAN RECYCLING ALONG
: ROUTE 26 BETWEEN MORES CORNERS INC AND WARNERS AUTO BODY
: Lookup Type: MANUAL

Members:

CHARTER COMMUNICATIONS GLEN FALLS	800-262-8600
NYSEG MECHANICVILLE ELECTRIC	800-262-8600

* Responses are current as of 11/22/2021 10:23 AM

Service Area	Utility Type(s)	Contact	Alternate Contact	Emergency Contact	Positive Response
CHARTER COMMUNICATIONS GLEN FALLS CHARTER COM GLEN FALLS	CATV, FIBER	USIC LOCATING (800) 262-8600	USIC LOCATING	USIC LOCATING	CLEAR, NO FACILITIES WITHIN 15 FT OF THE E XCAVATOR DEFINED W ORK AREA
NYSEG MECHANICVILLE ELECTRIC NYSEG / MECHANICVIL ELEC	ELECTRIC	USIC LOCATING (800) 262-8600	USIC LOCATING	USIC LOCATING	CLEAR, NO FACILITIES WITHIN 15 FT OF THE E XCAVATOR DEFINED W ORK AREA

Kevin Ballou

From: Curtis Pedone <dcop8256@gmail.com>
Sent: Tuesday, November 16, 2021 10:05 AM
To: Kevin Ballou
Subject: Katzman's

Kevin,

Per our phone conversation, the Village of Granville does not have any water or sewer lines running to the Katzman's property located on County Route 26 in the Town of Granville, N.Y. 12832. For further information, the Town of Granville does not support water in that area and does not supply sewer within the town.

Curtis B. Pedone
Local Ordinance Officer
Village of Granville
518-642-2640 (office)
518-361-1069 (cell)

Sent from Mail for Windows

ATTACHMENT D

PRECISION
ENVIRONMENTAL SERVICES, INC.

Monday, December 6, 2021

Weather: 44 degrees, cloudy
Wind: 10-15 mph SW-NE w/ 50 mph gusts
Work: Building demolition, debris sizing and soritng.
Notes: Acceptable limits for aerosol and VOC content not exceeded

Station 1 (North) Downwind			Station 2 (Central)			Station 3 (South) Upwind		
Time	Aerosols, mg/m3	VOCs, ppm	Time	Aerosols, mg/m3	VOCs, ppm	Time	Aerosols, mg/m3	VOCs, ppm
12:28	0.007	0	12:28	0.021	0	12:28	0.019	0
12:29	0.007	0	12:29	0.021	0	12:29	0.019	0
12:30	0.007	0	12:30	0.025	0	12:30	0.018	0
12:31	0.012	0	12:31	0.048	0	12:31	0.018	0
12:32	0.007	0	12:32	0.022	0	12:32	0.019	0
12:33	0.007	0	12:33	0.034	0	12:33	0.02	0
12:34	0.008	0	12:34	0.024	0	12:34	0.019	0
12:35	0.007	0	12:35	0.023	0	12:35	0.019	0
12:36	0.007	0	12:36	0.023	0	12:36	0.02	0
12:37	0.007	0	12:37	0.023	0	12:37	0.019	0
12:38	0.007	0	12:38	0.024	0	12:38	0.02	0
12:39	0.008	0	12:39	0.024	0	12:39	0.021	0
12:40	0.009	0	12:40	0.025	0	12:40	0.02	0
12:41	0.008	0	12:41	0.025	0	12:41	0.021	0
12:42	0.007	0	12:42	0.024	0	12:42	0.021	0
12:43	0.008	0	12:43	0.026	0	12:43	0.022	0
12:44	0.008	0	12:44	0.026	0	12:44	0.021	0
12:45	0.007	0	12:45	0.025	0	12:45	0.022	0
12:46	0.007	0	12:46	0.025	0	12:46	0.022	0
12:47	0.008	0	12:47	0.025	0	12:47	0.021	0
12:48	0.008	0	12:48	0.026	0	12:48	0.022	0
12:49	0.008	0	12:49	0.029	0	12:49	0.022	0
12:50	0.008	0	12:50	0.026	0	12:50	0.022	0
12:51	0.008	0	12:51	0.026	0	12:51	0.023	0
12:52	0.008	0	12:52	0.027	0	12:52	0.023	0
12:53	0.008	0	12:53	0.028	0	12:53	0.024	0
12:54	0.008	0	12:54	0.028	0	12:54	0.024	0
12:55	0.009	0	12:55	0.03	0	12:55	0.024	0
12:56	0.009	0	12:56	0.031	0	12:56	0.025	0
12:57	0.009	0	12:57	0.03	0	12:57	0.025	0
12:58	0.009	0	12:58	0.03	0	12:58	0.026	0
12:59	0.009	0	12:59	0.03	0	12:59	0.026	0
13:00	0.01	0	13:00	0.031	0	13:00	0.026	0
13:01	0.009	0	13:01	0.031	0	13:01	0.026	0
13:02	0.009	0	13:02	0.031	0	13:02	0.027	0
13:03	0.009	0	13:03	0.031	0	13:03	0.026	0
13:04	0.009	0	13:04	0.031	0	13:04	0.027	0
13:05	0.011	0	13:05	0.031	0	13:05	0.027	0
13:06	0.01	0	13:06	0.032	0	13:06	0.027	0
13:07	0.01	0	13:07	0.031	0	13:07	0.027	0
13:08	0.01	0	13:08	0.033	0	13:08	0.028	0
13:09	0.01	0	13:09	0.033	0	13:09	0.028	0
13:10	0.01	0	13:10	0.033	0	13:10	0.028	0
13:11	0.01	0	13:11	0.034	0	13:11	0.029	0
13:12	0.01	0	13:12	0.034	0	13:12	0.029	0
13:13	0.01	0	13:13	0.034	0	13:13	0.029	0
13:14	0.01	0	13:14	0.035	0	13:14	0.03	0
13:15	0.011	0	13:15	0.035	0	13:15	0.03	0
13:16	0.01	0	13:16	0.035	0	13:16	0.03	0
13:17	0.011	0	13:17	0.04	0	13:17	0.031	0
13:18	0.011	0	13:18	0.037	0	13:18	0.031	0
13:19	0.011	0	13:19	0.037	0	13:19	0.033	0

ATTACHMENT E

PRECISION
ENVIRONMENTAL SERVICES, INC.

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

25 YEARS
1991 - 2016

December 15, 2021

Kevin Ballou
Senior Project Manager
Precision Environmental Services, Inc.
831 Route 67, Lot 38A
Ballston Spa, NY 12020

Re: Katzman Recycling
OSHA 1926.850A Survey
NYSDEC #558035
Granville, NY

Dear Mr. Ballou:

On December 2, 2021, myself and Mark Taylor visited the site for the purposes of reviewing the proposed demolition of the Former Incinerator Building. Our work is in accordance with OSHA 1926.850a requirements for review by competent persons to determine the condition of the framing, floors, and walls, and possibility of unplanned collapse of any portion of the structure .

Regarding qualifications, Mr. Taylor is a certified welder and general contractor with 35 years experience in steel construction and building demolition. I am a consulting engineer with 30 years of experience in building design and environmental consulting.

The building is rusted and dilapidated, steel framed with welded connections. Corrugated metal panels previously partially exist for exterior walls. The structure is approximately 25x30 with a partial second floor. Additionally, an approximate 30' high x 3' diameter stack exists for incinerator exhaust.

Due to the nature of the structure, care must be exercised during demolition operations. If adherence to OSHA 29 CFR 1926 and, more specifically, the rules and regulations of Subpart "T" Demolition are employed, the unplanned collapse of any portion of the structure is unlikely.

Sincerely,

William C. Hennessy, Jr. P.E.

ATTACHMENT F

PRECISION
ENVIRONMENTAL SERVICES, INC.

2020 Specifications

DIAMOND SOCK®

Pre-filled Compost Filter Sock

Diameter	8-inch			12-inch		18-inch		24-inch
Linear Feet	190-ft	180-ft	180-ft	110-ft	100-ft	55-ft	50-ft	40-ft
Configuration	1 piece	18 10-ft pieces	9 20-ft pieces	1 piece	10 10-ft pieces	1 piece	5 10-ft pieces	1 piece
Part Number	DP8-190-1	DP8-18-10	DP8-9-20	DP12-110-1	DP12-10-10	DP18-55-1	DP18-5-10	DP24-40-1
Stakes (per pallet)	19	none	none	12	none	6	none	5
Hardwood Stake Length	24"	none	none	24"	none	36"	none	42"
Shipping Weight	~1600 lbs.			~1700 lbs.	~1650 lbs.	~1750 lbs.	~1650 lbs.	~1800 lbs.
Shipping Dimendions	40L x 48W x 66H							
Fabric Color	Blue							
Fabric Material	Heavy Duty Multi-Filament Polypropylene (HDMFPP)							
Fabric Name	Diamond Sock® Pallet Netting - Meets all Federal, State, and Local Specifications							
Degradation Type	Photodegradable							
Tensile Strength	250 PSI							
Filler Material	Locally Sourced Composted Hardwood Materials							
Filler Material Testing	Tests Results Available Upon Request							
Field Functional Longevity	1 year							
Packaging	40 x 48 Pallet with Blue Plastic Stretch-Wrap or Super Sack							
Package Storage Life	Under Roof - 6 months / Outdoors - 3 months							
Edging Media	**Edging Media Bags Available**							

MKB Stormwater Innovation

888-578-0777
mkbcompany.com

Made in U.S.A.

CAUTRAC

TRACKS | CONSTRUCTION MACHINERY | PARTS

MOROOKA MST 2200VD

MADE IN JAPAN

11,000kg

PAYLOAD

CUMMINS DIESEL

750mm

TRACK WIDTH

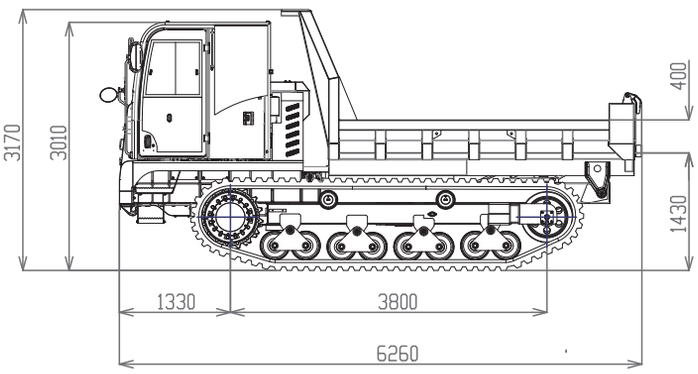
Specifications

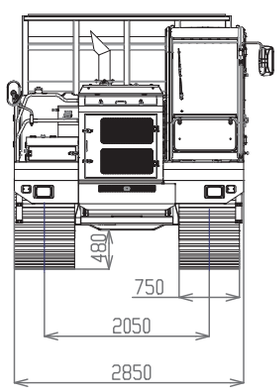
Make	Morooka
Model	MST 2200VD
Payload	11000kg
Unladen Weight	14100kg
Maximum Speed	10 KPH / 6.2 MPH
Engine Make & Model	Cummins QSB 6.7
Engine Type	6 cylinder liquid cooled diesel
Engine Power @ 2000rpm	186 KW / 249 HP
Ground Pressure Empty	33.2 KPA / 4.81 PSI
Ground Clearance	480 mm
Fuel Type	Diesel

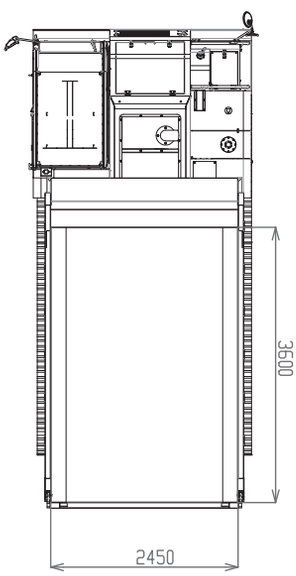
Dimensions

Overall Length	6260 mm
Overall Width	2850 mm
Overall Height	3170 mm
Track Centres	2050 mm
Track Width	750 mm
Dump Body Length Internal	3600 mm
Dump Body Width Internal	2450 mm

MOROOKA
MST 2200VD







CAUTRAC
TRACKS | CONSTRUCTION MACHINERY | PARTS

cautrac.com

The Causeway, Great Horkesley, Colchester, Essex
CO6 4EJ United Kingdom

T 44 (0) 1206 273111 **F** 44 (0)1206 273281

Moss Road, Kearsley, Bolton, Lancashire
BL4 8NE United Kingdom

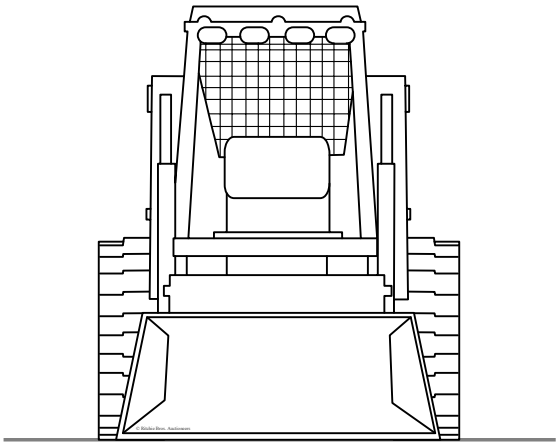
T 44 (0) 1204 791122 **F** 44 (0)1204 862453

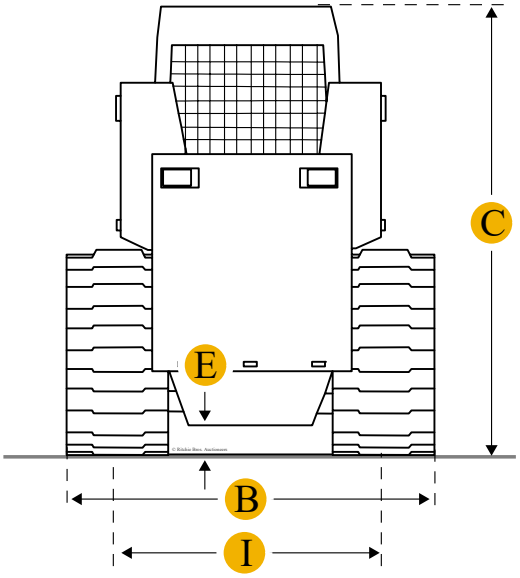
RITCHIESpecs

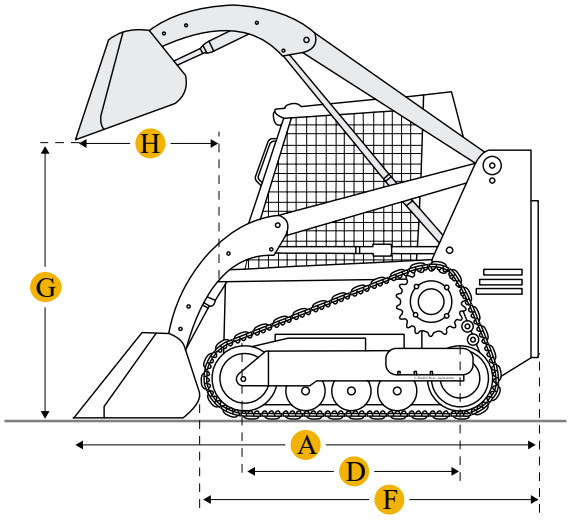
Search over 15900 equipment specs

Home Multi Terrain Loader Bobcat T190

Bobcat T190 Multi Terrain Loader







Units Imperial Metric

Dimensions

Dimensions Top

B	**Width Over Tracks**	5.5 ft in
C	**Height To Top Of Cab**	6.36 ft in
G	**Clearance At Max Lift And Dump**	7.58 ft in
H	**Reach At Max Lift And Dump**	2.58 ft in
	Length With Bucket	10.86 ft in
	Length With Out Bucket	8.48 ft in
	Turning Radius From Center - Inc Bucket	78.78 in

Undercarriage

D	**Length Of Track On Ground**	4.6 ft in
I	**Track Gauge**	4.45 ft in
	Number Of Track Rollers Per Side	4
	Width Of Track	12.6 in
	Ground Pressure	4.91 psi

Specifications

Engine

Number Of Cylinders	4
Engine Make	2334
Engine Model	V2003T
Gross Power	61 hp
Power Measured @	2800 rpm
Displacement	122.1 cu in
Aspiration	turbocharged

Operational

Operating Weight	7612 lb
Fuel Capacity	28 gal
Max Speed - High Range	7.1 mph

Top

Loader

Operating Load	1900 lb
Tipping Angle	6851 degrees
Bucket Capacity	0.6 yd3

Hydraulic

Pump Flow	16.3 gal/min
Relief Valve Pressure	3300 psi

Compare similar models

Bobcat T550

Operating Load	1995 lb
Operating Weight	7557 lb

Bobcat T180

Operating Load	1800 lb
Operating Weight	7367 lb

JCB 180T

Operating Load	1807.8 lb
Operating Weight	8002.8 lb

Compare

Find Bobcat T190 Multi Terrain Loader for Sale

Top

2001 Bobcat T190 Compact Track Loader, Compact Track Loader

--

PENNSYLVANIA, USA

See Bobcat Multi Terrain Loader for sale rbauction.com

See Bobcat Multi Terrain Loader for sale ironplanet.com

See Bobcat Multi Terrain Loader for sale mascus.com

`

Need help? Contact Us

English

Company +

Popular Searches +

Looking for equipment or trucks?

Ritchie Bros. sells more new and used industrial equipment and trucks than any other company in the world.

Equipment for sale on rbauction.com

Equipment for sale on ironplanet.com

Equipment for sale on mascus.com

Sell your equipment

Top

PRODUCT SPECIFICATIONS FOR 325

US Metric

Net Power - ISO 9249	172 HP
Engine Model	Cat C4.4
Engine Power - ISO 14396	174 HP
Bore	4 in
Stroke	5 in
Displacement	269 in³

Main System - Maximum Flow - Implement	429 L/min (× 2 pumps)/113 gal/min (× 2 pumps)
Maximum Pressure - Equipment - Normal	5075 psi
Maximum Pressure - Equipment - Lift Mode	5510 psi
Maximum Pressure - Travel	4930 psi
Maximum Pressure - Swing	3988 psi

Swing Speed	11.12 r/min
Maximum Swing Torque	60300 ft·lbf

Operating Weight	49604 lb

Operating Weight - 600 mm (24”) Triple Grouser Shoes	49604 lb
Note (1)	Standard undercarriage Reach boom R2.9 m (9'6") stick HD 0.90 m³ (1.18 yd³) bucket 600 mm (24") triple grouser shoes and 4900 kg (10800 lb) counterweight.
Operating Weight - 790 mm (31") Triple Grouser Shoes	62611 lb
Note (2)	Long undercarriage Reach boom R2.9 m (9'6") stick GD 1.19 m³ (1.56 yd³) bucket 790 mm (31") triple grouser shoes and 8300 kg (18300 lb) counterweight.

Fuel Tank Capacity	82.7 gal (US)
Cooling System	3.1 gal (US)
Engine Oil	4 gal (US)
Swing Drive	3.2 gal (US)
Final Drive - Each	1.1 gal (US)
Hydraulic System - Including Tank	60.8 gal (US)
Hydraulic Tank	29.4 gal (US)
DEF Tank	6.9 gal (US)

Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")
Bucket	GD 1.19 m³ (1.56 yd³)

Shipping Height - Top of Cab	10.1 ft
Handrail Height	10.5 ft
Shipping Length	29.2 ft
Tail Swing Radius	6 ft
Track Length	14.6 ft
Length to Center of Rollers	12 ft
Ground Clearance	1.5 ft
Track Gauge	7.8 ft
Transport Width - 600 mm (24”) Shoes	9.8 ft
Transport Width - 700 mm (28") Shoes	10.1 ft
Transport Width - 790 mm (31 in) Shoes	10.4 ft
Counterweight Clearance	3.3 ft

Maximum Digging Depth	22 ft
Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")
Bucket	GD 1.19 m³ (1.56 yd³)
Maximum Reach at Ground Level	32.1 ft
Maximum Cutting Height	36 ft
Maximum Loading Height	25.9 ft

Maximum Loading Height	25.9 ft
Minimum Loading Height	9.8 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	21.4 ft
Maximum Vertical Wall Digging Depth	16 ft
Bucket Digging Force - ISO	33811 lbf
Stick Digging Force - ISO	23911 lbf

325 STANDARD EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

CAB

High-resolution 203 mm (8 in) LCD touchscreen monitor

CAT TECHNOLOGIES

CAT TECHNOLOGIES

Cat Product Link™
Cat GRADE with 2D
Cat GRADE with Assist
Lift Assist
Auto Dig Boost
Cat PAYLOAD
2D E-Fence

ENGINE

Three selectable modes: Power, Smart, Eco
One-touch low idle with auto engine speed control
Auto engine idle shutdown

50° C (122° F) high-ambient cooling capacity without de-rate
–18° C (0° F) cold start capability
Double element air filter with integrated precleaner
Reversing electric cooling fans
Biodiesel capability up to B20

HYDRAULIC SYSTEM

Boom and stick regeneration circuits
Auto hydraulic warm up
Auto two-speed travel
Boom and stick drift reduction valve

BOOMS AND STICKS

5.7 m (18'8") standard reach boom, 2.9 m (9'6") standard reach stick (North America and Australia/New Zealand only)

UNDERCARRIAGE AND STRUCTURES

Long undercarriage (optional in Japan)
Tie-down points on base frame
4900 kg (10,800 lb) counterweight

ELECTRICAL SYSTEM

Two 1,000 CCA maintenance free batteries
Programmable time-delay LED working lights
LED chassis light, left-hand/right-hand boom lights, cab lights

SERVICE AND MAINTENANCE

Sampling ports for Scheduled Oil Sampling (S·O·S)
Ground-level and platform-level engine oil dipsticks

SAFETY AND SECURITY

Rearview camera
Right-side-view camera (not available in Korea)
Ground-level engine shutoff switch
Right-hand handrail and hand hold
Signaling/warning horn

325 OPTIONAL EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

CAB

Comfort cab: ROPS, mechanical seat suspension
Deluxe cab: ROPS, standard sound suppression, air-adjustable seat with heat
Premium cab: ROPS, advanced sound suppression, auto-adjustable seat with heat and air ventilation
High-resolution 254 mm (10 in) LCD touchscreen monitor
Cat Stick Steer

CAT TECHNOLOGIES

Cat GRADE with Advanced 2D
Cat GRADE with 3D

ENGINE

–32° C (–25° F) cold start capability

HYDRAULIC SYSTEM

Boom and stick lowering check valves
Hammer return filter circuit
Combined Tool Control (two pump, one/two way high-pressure flow)
Medium-pressure circuit
Quick coupler circuit
Auto Heavy Lift

BOOMS AND STICKS

5.7 m (18'8") HD reach boom, 2.9 m (9'6") HD reach stick (Europe and Japan only)
2.8 m + 3.3 m (9'2" + 10'10") VA boom, 2.9 m (9'6") reach stick (Europe only)

UNDERCARRIAGE AND STRUCTURES

Standard undercarriage (available only in Japan)
600 mm (24") triple grouser shoes
700 mm (28") triple grouser shoes
790 mm (31") triple grouser shoes
8300 kg (18,300 lb) counterweight
6700 kg (14,771 lb) counterweight - optional Europe only
Blade with float function (not compatible with 8300 kg (18,300 lb) counterweight)

ELECTRICAL SYSTEM

360° lighting
Premium surround lighting package

SERVICE AND MAINTENANCE

Electric refueling pump with auto shut off

SAFETY AND SECURITY

360° visibility (requires 254 mm [10 in] monitor)

Falling object guard system

276

16 in. x 8 in. x 8 in. Normal Weight Concrete Block Regular

(180) Questions & Answers (62)

D3K

Track-Type Tractor

CATERPILLAR®

Cat® Cat C4.4 ACERT Diesel Engine		
Net power (SAE J1349)	55.2 kW	74 hp
Weights		
Operating weight – XL	7795 kg	17,185 lb
Operating weight – LGP	8093 kg	17,842 lb

D3K Features

Comfortable Cab

Spacious cab and air suspension seat keep you comfortable all day.

Seat-Mounted Controls

Intuitive seat-mounted controls improve operator performance and reduce fatigue.

SystemOne™ Undercarriage

See a dramatic reduction in tractor owning and operating costs with the state-of-the-art SystemOne undercarriage.

AccuGrade™ Systems

Revolutionary grade control systems improve accuracy and increase productivity – with less effort.

Contents

The Cat® D3K Track-Type Tractor delivers superior performance and comfort while reducing your operating costs. The large spacious cab provides a comfortable work area. Intuitive seat-mounted controls are easy to use for greater job accuracy and efficiency. The innovative SystemOne undercarriage reduces maintenance time and costs – significantly impacting your bottom line. The AccuGrade Laser and GPS Systems help you get to grade faster, with fewer passes and less manpower. From the first cut to finish grade, the D3K sets the standard.

Operator Station

Superior comfort keeps you productive, all day long.

The operator station is designed to keep operators comfortable, relaxed and productive throughout the long work shift. The D3K features:

- Standard air conditioning with cab option.
- Spacious cab with generous leg room.
- Fully adjustable air suspension seat with a heated seat option for cold climates.
- Wide door openings for getting in and out of the cab easily.
- Clear view to the blade corners and bottom cutting edge, especially important in fine grading, working against foundations and curbing.
- Operator sound level has been lowered inside the cab 4 dB(A) to an industry leading 80 dB(A) –ANSI/SAE J1166 OCT 98. This provides a quiet, comfortable working environment reducing operator fatigue and increasing their productivity.

Seat-Mounted Joystick Controls

For optimum comfort and precise control, the D3K features ergonomically designed seat-mounted controls. Seat-mounted controls isolate vibrations from the operator, and provide independent seat and controls adjustment. Individual wrist pads and armrests can be adjusted independently for optimum comfort.

Monitoring Package

Easy to read display provides vital system information. Buttons below the display allow the operator to select parameters for forward/reverse speed, blade response, steering response and decel pedal operation modes.

Dozer Blade Control

Ergonomic joystick is easy to use and reduces operator fatigue. The intuitive control makes operating the tractor easy for both new and experienced operators. The new handle shape conforms to your hand for precise blade raise and tilt control with less operator fatigue. A thumb roller controls the blade angle and requires less effort than other competitive machines. A blade shake button on top of the handle provides momentary quick tilt movement to easily remove material from the blade.

Combined Decel/Brake Pedal

Decel pedal serves combined function as engine speed control and brake. Depressing pedal through bottom of travel detent applies brake. Pedal mode can also be changed to control transmission speed with selection buttons on the display panel.

Hydrostatic Transmission Control

Seat-mounted controls improve productivity.

Speed and Direction Control

Speed, direction and steering are all controlled with a single, easy to use joystick for less effort and lower fatigue so you can get more done. The joystick controls direction and has three simple detented positions for travel – forward, reverse and neutral. With the machine in motion, simply move the joystick in the direction you wish to move the machine. The more the joystick is moved to the right or left, the tighter the turn. Regardless of ground conditions, steering is consistent and predictable.

Infinitely Variable Speed Control

The speed control thumb wheel mounted on the joystick is used to infinitely increase and decrease speed, letting the operator select the optimum speed for ground and job conditions. It also eliminates power interruption when changing speeds. A speed recall button on the joystick is used to select pre-determined speed settings.

Maneuverability

The power turn feature lets you handle large loads around corners or through hard spots. Power turn capability improves mobility in soft underfoot conditions and is very effective on side slopes. Counter-rotation provides easy, quick maneuvering in tight areas or congested job sites.

Engine

ACERT™ technology reduces emissions, increases performance.

The Cat® C4.4 is a 4.4 L (269 in^3) displacement, four cylinder, inline configured engine equipped with a Caterpillar common rail fuel system. It uses ACERT™ Technology, a series of Caterpillar engineered innovations that provide advanced electronic control, precision fuel delivery and refined air management, resulting in outstanding performance and lower emissions. It meets the U.S. EPA Tier 3, EU Stage IIIA and Japan MOC Step 3 emissions standards.

The C4.4 delivers increased horsepower, outstanding durability, reliability and improved response to change in loads, delivering power when you need it. The engine is more compact, allowing the cab to sit more forward – this improves machine balance and provides greater operator comfort. The engine and transmission control systems are integrated to optimize performance and fuel efficiency.

Undercarriage

Lower owning and operating costs.

Undercarriage is a significant portion of a tractor's owning and operating costs. Caterpillar offers two different undercarriage choices for lowest owning and operating costs for your application needs. A sealed and lubricated track (SALT) undercarriage is standard; SystemOne™ undercarriage is available as an option. Full length guarding on top of the track roller frame prevents abrasive material from falling down on moving parts.

Machine balance is the key to good grading performance. Greater track length and a stable platform lead to optimum balance, allowing you to complete jobs easier and quicker with the D3K than with competitive machines.

SystemOne Undercarriage

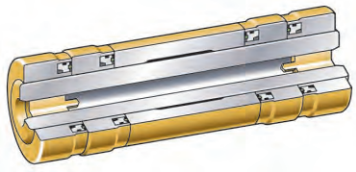
With the revolutionary SystemOne undercarriage option, undercarriage maintenance time and costs are greatly reduced, lowering your costs and helping your bottom line. This innovative system uses a rotating bushing design which increases bushing life and eliminates the need for bushing turns. The rotating bushing combined with long wear life sprockets and center tread idler, increases the life and dependability of the entire system. Ideal for virtually any application or underfoot condition, the SystemOne undercarriage also features significantly less vibration for a better, more comfortable ride.

Sealed and Lubricated Track (SALT) Undercarriage

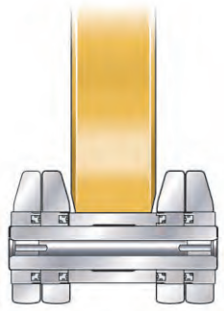
The standard sealed and lubricated track (SALT) undercarriage is built for long life in rugged conditions. Segmented sprockets are easy to replace and less expensive than replacing the complete sprocket hub.

Choice of Track Frame Configurations

Track frames are available in extra long (XL) or low ground pressure (LGP) configurations. XL undercarriage provides increased ground contact area and flotation, superior balance and excellent finish grading. In addition, the LGP version also features a wider track shoe, increasing ground contact area for optimum flotation and stability on sloping and finish grading jobs. As an additional choice, the LGP undercarriage on the D3K is available with 762 mm (30 in) shoes.



SystemOne Cartridge



SystemOne Center Tread Idler

AccuGrade™ Systems

Grade with increased accuracy.

Caterpillar is revolutionizing the way to move material with new technology solutions for earthmoving machines – solutions that provide greater accuracy, higher productivity, lower operating costs and greater profits. The AccuGrade System is designed and integrated into the machine and hydraulic systems to create an automated blade control system that allows operators to grade with increased accuracy. The system uses machine-mounted sensors to calculate precise blade slope and elevation information.

AccuGrade Laser

AccuGrade Laser uses a laser transmitter and receiver for precise grade control. A laser transmitter on the worksite creates a constant grade reference over the work area. A digital laser receiver mounted on the machine captures the laser signal. The system calculates the blade adjustments necessary to achieve grade, makes automatic elevation adjustments typically performed by the operator and provides automatic blade control. The operator simply steers the machine. Automated blade control lets you achieve grade faster and in fewer passes, reducing the need for traditional survey stakes or grade checkers. The system also calculates cut/fill requirements for manual blade control. Work is completed faster, more accurately and with less manpower. AccuGrade Laser is well suited for flat work such as concrete pads and driveways.

AccuGrade GPS

AccuGrade GPS computes the machine positioning information and compares the position of the blade relative to the design plan. Information is provided to the operator via an in-cab display showing blade elevation, necessary cut/fill to achieve grade, blade position on the design surface and a graphical view of the design plan with machine location. AccuGrade GPS puts all the information the operator needs to complete the job in the cab for a greater level of control. Vertical and horizontal guidance tools visually guide the operator to the desired grade. Automated features allow the hydraulic system to automatically control blade adjustments to move the blade to grade. The operator simply uses the light bars to guide the machine for consistent, accurate grades and slopes, increasing productivity with less fatigue. AccuGrade GPS is best used for cut and contour jobs.

AccuGrade Monitor

Caterpillar is the first to integrate this system and its monitor into the machine's dash for easy viewing during operation. The AccuGrade monitor is conveniently located, allowing the operator to view system information while keeping a straight line of sight to the blade corners.

AccuGrade Laser Display

AccuGrade GPS Display

Blade and Attachments

Cat work tools can handle tough dozing applications.

VPAT Blade

The VPAT blade is specifically designed for finish grading, backfilling ditches, cutting V ditches, windrowing, fill spreading, medium land clearing and heavy dozing. Built for rugged strength and durability, this 6-way blade allows for adjustable angle, tilt and pitch. Visibility to the blade corners and cutting edge is improved. This is especially critical when working near curbs and foundation structures.

Parallelogram Ripper

The aggressive parallelogram ripper lets you do more productive ripper work. The parallel linkage design provides better penetration and maneuverability in tight working areas.

Forestry Options

An easier way to work in the woods. The D3K is available with the following features to aid in forestry applications:

- Forestry blade, featuring additional guarding to protect the tractor from debris and to provide increased productivity.
- Cat hydrostatic winch, featuring excellent line pull at any speed and infinitely variable drum speed.
- 360 degree guarding, for added protection of the cab.
- Heavy-duty rear tank guard.

Hydrostatic Winch

Infinitely variable speed control.

The Cat hydrostatic winch offers outstanding control of the load with infinitely variable modulation of speed and pull. Mechanical winches force the operator to choose the gear ratio of the winch. The Cat hydrostatic winch eliminates this compromise by providing the speed of a standard winch and the pull of a low speed winch, all in one package.
The result is:

- Excellent line pull at any speed
- Infinitely variable drum speed
- Lower operator effort
- Unmatched load control

Serviceability

Easy access and minimal maintenance requirements keep your machine on the job.

Easy Access

Long service intervals and easy maintenance keep the machine up and running and lower your owning and operating costs. A large, hinged door on the left side of the engine compartment provides easy access to all regular engine maintenance points, including engine fuel filters and water separator, the engine oil filter, the engine oil dipstick and filler, the fuel priming pump and the engine air pre-cleaner and filters. Grouped pressure taps allow for quick testing and troubleshooting of the hydraulic system. The hydraulic filters are all located in the left rear service compartment and are accessible from ground level.

Product Link

The optional Product Link system simplifies equipment fleet tracking. Using satellite or cellular technology, the system automatically reports information such as location, machine hours, active and logged service codes and security alarms.

Machine Security System

An optional Machine Security System (MSS) that utilizes a programmable key system that deters theft, vandalism and unauthorized usage. MSS uses electronically coded keys selected by the customer to limit usage by individuals or time parameters.

Customer Support

Unmatched support makes the difference.

Your Cat dealer is ready to assist you with your purchase decision and everything after.

- Make comparisons of machines, with estimates of component life, preventative maintenance and cost of production.
- Financing packages are flexible to meet your needs.
- Your Cat dealer can evaluate the cost to repair, rebuild and replace your machine, so you can make the right choice.
- For more information on Cat products, dealer services and industry solutions, visit us at www.cat.com.

Engine

Engine model	CAT C4.4 ACERT	
Power – Gross	60.5 kW	81 hp
Power – Net	55.2 kW	74 hp
Displacement	4400 cm^3	269 in^3
Caterpillar	55.2 kW	74 hp
ISO 9249	55.2 kW	74 hp
EEC 80/1269	55.2 kW	74 hp
SAE J1349	55.2 kW	74 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in

- Ratings at 1,900 rpm.
- Net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator.
- No derating required up to 3000 m (9,843 ft) altitude.

Weights

Operating weight – XL	7795 kg	17,185 lb
Operating weight – LGP	8093 kg	17,842 lb

- Operating with dozer blade, canopy ROPS, back-up alarm, operator, coolant, lubricants and full fuel tank.

Transmission

Drive pumps	2	
Track motors	2	
Relief valve settings	47 650 kPa	6,911 psi
Maximum travel speed – forward	9 km/h	5.6 mph
Maximum travel speed – reverse	10 km/h	6.2 mph

- Dual-path, closed loop hydrostatic drive provides infinitely variable speeds from 0-9 km/h (0-5.6 mph) forward and 0-10 km/h (0-6.2 mph) reverse.
- Full-flow filtering of hydrostatic charge system oil.
- Drive pumps: two variable-displacement, slipper-axial piston pumps mounted tandem-style to engine flywheel housing.
- Track motors: two variable-displacement, link-type piston motors.

Service Refill Capacities

Fuel tank	195 L	51.5 gal
Crankcase and filter	11 L	2.91 gal
Final drives, XL (each side)	10 L	2.6 gal
Final drives, LGP (each side)	10 L	2.6 gal
Cooling system	22.4 L	5.92 gal
Transmission/ hydraulic tank	59.5 L	15.7 gal

Hydraulic Controls

Pump output	73.5 L/min	19.4 gal/min
Relief valve setting	20 600 kPa	2,988 psi

- Pump output ratings at 2,150 rpm and 6895 kPa (1,000 psi).
- Control positions:
  - – Lift cylinders – raise, hold, lower, float.
  - – Tilt cylinders – left, hold, right.
  - – Angle cylinders – left, hold, right.
  - – Ripper cylinders – raise, hold, lower.

Final Drive

Features:

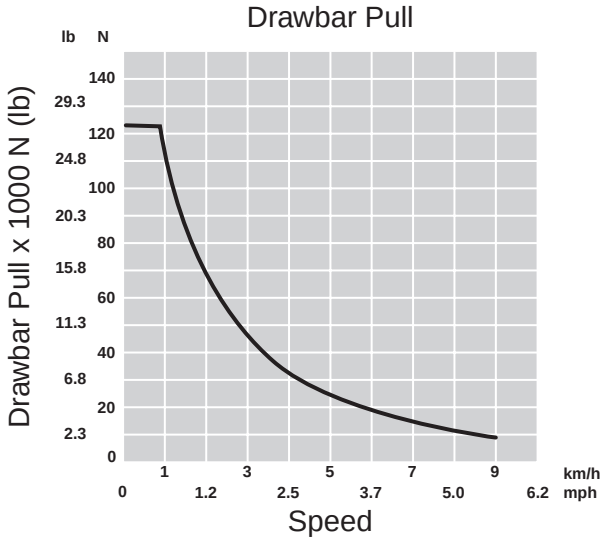
- Double-reduction planetary gear set.
- Mounted independently of track frames to isolate them from machine weight and ground-induced shock loads.

Steering and Braking

Features:

- Full powerturn.
- Counterrotation.
- Single lever steering, speed and direction control.
- Hydrostatic (dynamic) braking through machine drive system using transmission control lever, center brake pedal or decel pedal.

Drawbar



D3K Track-Type Tractor Specifications

Undercarriage

Number of rollers (each side)	6	
Number of shoes (each side) – SALT (Sealed and Lubricated Track) Undercarriage	41	
Number of shoes (each side) – SystemOne Undercarriage	36	
Shoe width – XL	406 mm	16 in
Shoe width – LGP	635 mm	25 in
Length of track on ground – XL	2095 mm	83 in
Length of track on ground – LGP	2095 mm	83 in
Track gauge – XL	1495 mm	59 in
Track gauge – LGP	1725 mm	68 in
Ground contact area – XL	17 011 cm^2	2,637 in^2
Ground contact area – LGP	26 607 cm^2	4,124 in^2
Ground pressure – XL	44.8 kPa	6.5 psi
Ground pressure – LGP	29.7 kPa	4.3 psi

- Hydraulic track adjusters.
- Box section track roller frames.
- Bolt-on rear track guiding guards.
- Full length recoil guarding with sprocket guards and wipers.
- Serrated, two-piece split master link (SALT).
- Single-grouser shoes.
- Segmented sprocket (SALT).
- Sealed and lubricated rollers and idlers.

Standards

ROPS	SAE J397-OCT95, SAE J1040-MAY94, ISO 3471-94, ISO 3164-95
FOPS	SAE J231-JAN81, ISO 3449-92

Ripper

Type	Parallelogram	
Number of shanks	3	
Maximum digging depth	337.5 mm	13.3 in
Maximum reach at ground line	766 mm	30.2 in
Maximum ground clearance under tip	448 mm	17.6 in
Overall width	1710 mm	67.3 in
Height	165 mm	6.5 in
Weight	554 kg	1,222 lb

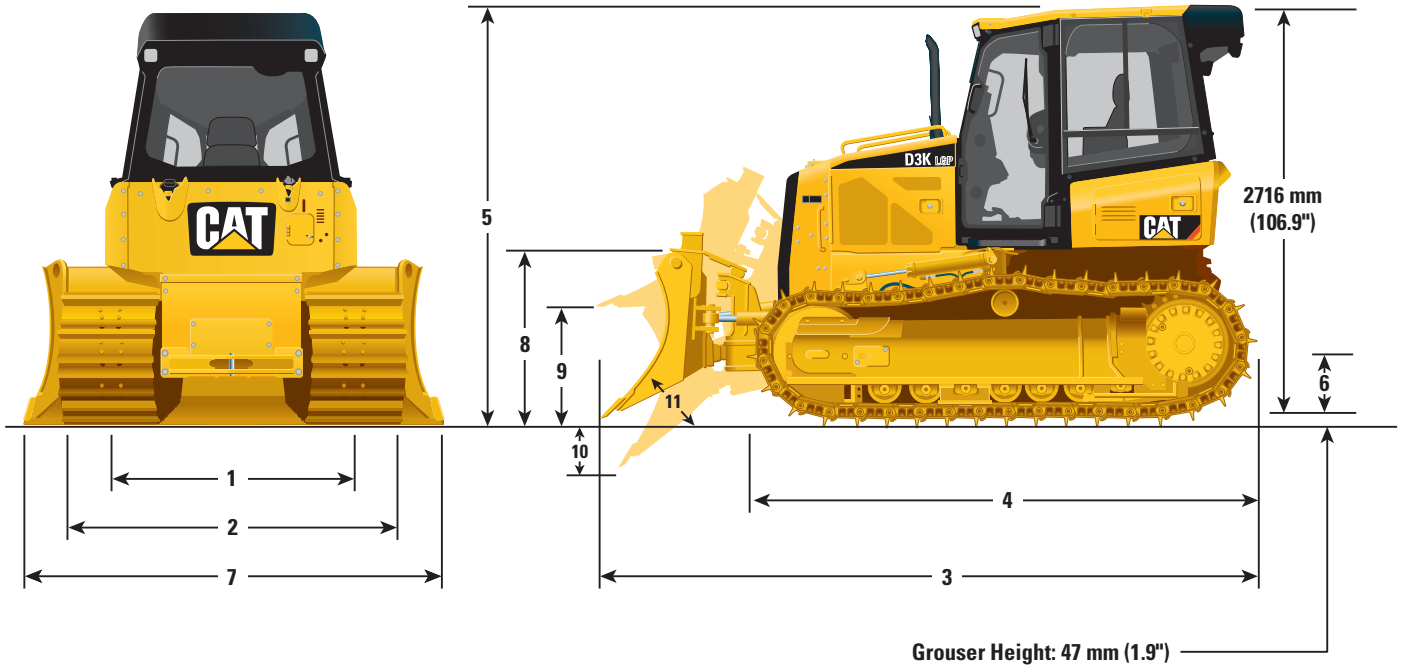
Winch

Weight	610 kg	1,345 lb
Winch drive	Hydrostatic	
Control	Hydraulic	
Speed	Variable	
Winch length	705 mm	27.76 in
Overall width	741 mm	29.2 in
Drum diameter	254 mm	10 in
Drum width	274 mm	10.8 in
Throat clearance	171.5 mm	6.75 in
Rope diameter – recommended	16 mm	0.63 in
Rope diameter – optional	19 mm	0.75 in
Drum capacity – recommended cable	113 m	371 ft
Drum capacity – optional cable	78 m	256 ft
Maximum line pull – bare drum	18 144 kg	40,000 lb
Maximum line pull – full drum	11 340 kg	25,000 lb
Maximum line speed – bare drum	40 m/min	131 ft/min
Maximum line speed – full drum	63 m/min	207 ft/min

- Infinitely variable line speed and line pull from 0 to maximum.
- Power in/power out, brake off, free spool (standard equipment).
- Single lever, low effort hydraulic control.
- Precise load control and speed modulation.
- Integral mounted drawbar.
- 3 roller fairlead available. Kit available to add a 4th roller.

Dimensions

All dimensions are approximate.



		XL	LGP
1	Track gauge	1495 mm (58.9")	1725 mm (67.9")
2	Width of tractor (std shoes, no blade)	1901 mm (74.8")	2360 mm (92.9")
3	Overall length (w/blade)	4266 mm (168")	4255 mm (167.6")
4	Length of basic tractor (w/o blade)	3275 mm (128.9")	3275 mm (128.9")
5	Tractor height	2763 mm (108.8")	2763 mm (108.8")
6	Ground clearance	332 mm (13")	332 mm (13")

	BLADE	**XL**	**Intermediate**	**LGP**
7	Blade width	2646 mm (104.2")	2921 mm (115")	3149 mm (124")
8	Blade height	910 mm (35.8")	860 mm (33.9")	860 mm (33.8")
9	Blade lift height	730 mm (28.7")	743 mm (29.3")	730 mm (28.7")
10	Digging depth	573 mm (22.5")	573 mm (22.5")	573 mm (22.5")
11	Blade cutting edge angle, adjustable	52° to 58°	52° to 58°	52° to 58°
	Maximum tilt	368 mm (14.5")	448 mm (17.7")	438 mm (17.2")
	Maximum angle (either side)	25°	25°	25°
	Blade width at maximum angle	2417 mm (95.2")	2669 mm (105.1")	2874 mm (113.1")
	Blade capacity (SAE)	1.52 m^3 (1.99 yd^3)	1.50 m^3 (1.96 yd^3)	1.66 m^3 (2.17 yd^3)

D3K Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details.

ELECTRICAL

Horn

Backup alarm

Diagnostic connector

Heavy duty 750 CCA batteries

Alternator, 12V, 120 Amp, heavy duty brushless

12V Starter

OPERATOR ENVIRONMENT

ROPS/FOPS cab with sliding side windows and air conditioning

Cat C500 comfort cloth air suspended seat with adjustable armrests

76 mm (3 inch) retractable seat belt

Adjustable seat-mounted, electro-hydraulic controls

Foot rests

Compact Instrument Cluster including:

- Gauges for engine coolant temperature, hydraulic oil temperature and fuel level
- 12 indicators
- Digital display (ground speed, engine RPM, hour meter)

Rotary throttle switch

Travel speed limiter

Independent forward/reverse speed settings

Single pedal combining deceleration and braking functions

Rearview mirror

12V power port

Coat hook

Storage compartment

Cup holder

Heavy duty rubber floor mat

Windshield washers and wipers, front and rear

POWER TRAIN

Caterpillar C4.4 ACERT diesel engine, turbocharged

Aluminum bar plate cooling system (radiator, power train)

Blower fan

Air cleaner with precleaner, automatic dust ejection and under-hood intake

Fuel priming pump with integrated fuel/water separator

Dual path, closed-loop hydrostatic transmission

Under-hood muffler

HYDRAULICS

Hydraulics, 3 valve

UNDERCARRIAGE

SALT Undercarriage

Lifetime lubricated track rollers (6) and idlers

Carrier rollers

Tracks, 41 sections:

- XL configuration 406 mm (16 in)
- LGP configuration 635 mm (25 in)

Hydraulic track adjusters

OTHER STANDARD EQUIPMENT

C-Frame, VPAT, hydraulic cylinders and lines

Fuel tank

Heavy duty crankcase guard

Lockable engine enclosures

Idler guards

Radiator guard and grill

Front pull device

Rigid drawbar

S•O•S℠ ports (engine, power train and hydraulics)

ANTIFREEZE

Extended life coolant, –37° C (–35° F)

D3K Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for details.

ELECTRICAL

Integrated two front halogen lights, one rear halogen light

Integrated four front halogen lights, two rear halogen lights

POWER TRAIN

Drive auxiliary

Installation, winch

UNDERCARRIAGE

TRACK PAIRS, XL

- Track, 406 mm (16 in) MS SystemOne™
- Track, 356 mm (14 in) TG SALT

TRACK PAIRS, LGP

- Track, 635 mm (25 in) MS SystemOne™
- Track, 635 mm (25 in) Self cleaning SALT
- Track, 635 mm (25 in) Self cleaning SystemOne™

OPERATOR ENVIRONMENT

Cab

Cab, polycarbonate windows, 360 degree guarding protection

Seat, cloth, air suspension, heated

Radio, AM/FM, CD player

HYDRAULICS

Hydraulics, 4 valve for use with ripper

Hydraulics, 4 valve for use with winch

GUARDS

Guard, rear, heavy duty

Grill, radiator, heavy duty

Guard, track guiding, center

Guard, track guiding, full length

Screen, rear, cab

Screen, side, cab

Screen, rear, canopy

Screen, front and sides, canopy

Sweeps, front

Sweeps, rear

BLADES

VPAT XL blade

VPAT LGP blade

VPAT Intermediate blade

REAR ATTACHMENTS

Drawbar, towing

Mounting, winch

Ripper, parallelogram, includes three shanks and teeth

REAR ATTACHMENT CONTROL

Control, ripper

Control, winch

Control, ripper and winch

MACHINE CONTROL AND GUIDANCE

Installation, AccuGrade ready

STARTING AIDS

Heater, engine, coolant, 120V

Starting aid, ether

OTHER ATTACHMENTS

Enclosure, sound suppression

Machine Security System

Caterpillar Product Link 321

Caterpillar Product Link 121

ANTIFREEZE

Coolant, ext. life, –50° C (–58° F)

FIELD INSTALLED ATTACHMENT

Winch, hydrostatic

Notes

D3K Track-Type Tractor

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

Printed in the U.S.A.

AEHQ5888 (09-2007)
Replaces AEHQ5555

Materials and specifications are subject to change without notice. Featured machines may include additional equipment. See your Caterpillar dealer for available options.

CATERPILLAR®

MORBARK® BEEVER™ M15R

BENEFITS

- Ideal for residential tree services, utility line clearing, vegetation management, maintenance contractors and municipalities, this high-capacity, high-production chipper includes more standard features than any other chipper in its class.
- The powerful TorqMax™ dual feed wheel compression system generates more than 6,600 lb./ft. of material pulling force.
- Unit is pre-plumbed and outfitted for the easy installation of most aftermarket components.
- Ergonomic infeed design provides consistent feed control bar activation.
- Like all Morbark equipment, the M15R is a long-lasting, durable machine backed by a world-class parts and service support team.

Drum

30" diameter four-knife staggered-knife-pocket drum with patented removable knife holders provides maximum chipping efficiency.

Channel Frame

The 8.2 lb., 6" channel frame rails with 2" x 6" tubular steel frame with cross bracing increases structural strength while maintaining low unit weight.

Reversing Auto-feed

The reversing auto-feed system automatically stops forward feed and briefly backs material away from the drum for optimum engine performance while chipping.

Hydraulic Down Pressure

The Variable Force™ Hydraulic Down Pressure System eliminates the use of springs and creates up to 4,500 lbs. of perpetual down pressure.

SPECIFICATIONS

SPECIFICATIONS MAY VARY WITH EQUIPMENT OPTIONS 10/25/16

General

Chipping capacity . . . . . 15"
Height . . . . . 8'11"
Width . . . . . 7'3"
Length . . . . . 18'1"
Gross weight (approximate) . . . . . 8,900 lbs.
Suspension . . . . . 9,000 lb. Torflex
Infeed opening . . . . . 56" wide x 37" high
Throat opening . . . . . 20 ½" wide x 18" high
Drum . . . . . 23 ¾" wide x 30" diameter
Engines . . . . . CAT, GM, or Perkins
Horsepower . . . . . 130–174 HP
Fuel capacity . . . . . 32 gallons
Hydraulic capacity . . . . . 12 gallons
Frame . . . . . 8.2 lb., 6" channel
Tires . . . . . (2) 215/75Rx17 ½"
Hitch . . . . . 2 ½" Pintle Ring

Equipment Highlights

Dual horizontal feed wheels with TorqMax top feed wheel compression system, hydraulic lift assist, Variable Force constant hydraulic down pressure system with additional manually applied hydraulic down pressure at the valve handle and direct-drive bottom feed wheel with torque arm coupler

Live hydraulic system including: ball valve, pump, motor, and valve bank with additional pre-plumbed valve section for installation of an aftermarket winch package

3" x 5" tubular steel telescoping drawbar with two 12" extensions

Morthane Paint System: A chemically cured, electrostatically applied urethane coating with high-gloss finish, built-in UV protection, chip and chemical resistance and corrosion protection

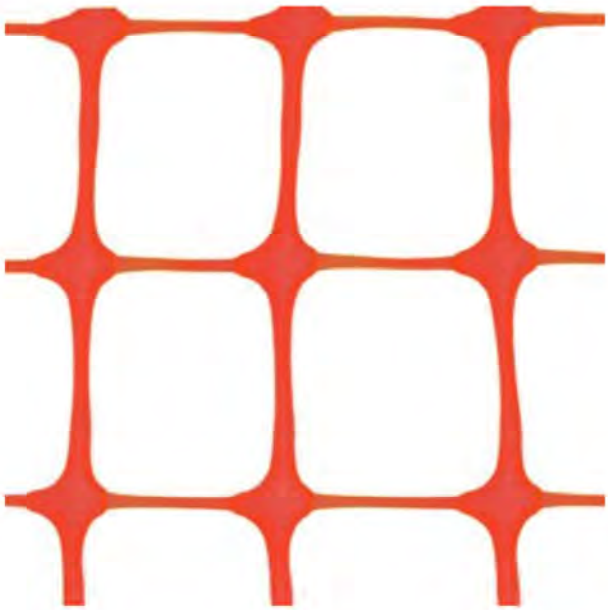
Options Include

ChipSafe® Operator Safety Shield
Winch package: heavy-duty, 5,000 lb. pull capacity with rope and 10' chafe guard
Bottom Bump Bar
Hydraulic Swivel Discharge
Cone Holder
Spare Tire/Mount
Folding Infeed Tray
Flow Control
Axle Options Available
Fender Options Available
Battery Box Options Available

MORBARK®
BUILDING EQUIPMENT THAT CREATES OPPORTUNITIES

800.831.0042
989.866.2381
www.morbark.com

PO Box 1000
8507 S. Winn Rd.
Winn, MI 48896



Safety Fence

Orange Square Mesh Barrier Safety Fence 50" Roll

Availability: **In-Store Purchase Only**

Brands: Misc.

Wishlist

Description Reviews

- Lightweight Easy to carry UV stabilized – long lasting
- Affordable Won't rust, rot or corrode.

REGISTER YOUR TOOLS
http://register.ryobitools.com
1-800-860-4050

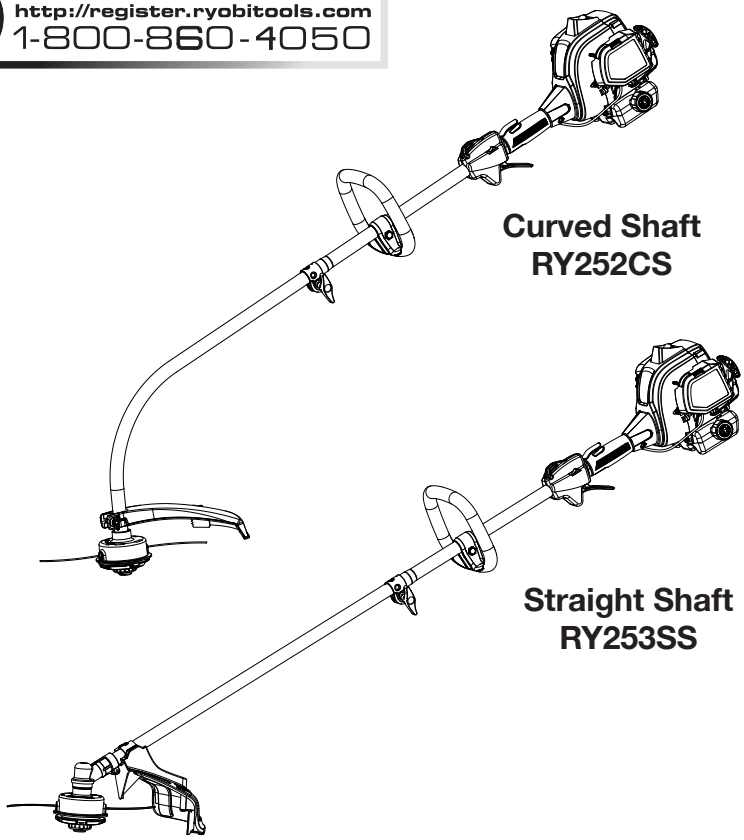
OPERATOR'S MANUAL

MANUEL D'UTILISATION
MANUAL DEL OPERADOR

25cc 2-CYCLE STRING TRIMMERS

TAILLE-BORDURES À LIGNE 2 TEMPS DE 25 cc

RECORTADORAS DE HILO DE DOS TIMPOS 25 cc



Curved Shaft
RY252CS

Straight Shaft
RY253SS

NOTICE AVIS AVISO

Do not use E15 or E85 fuel in this product. It is a violation of federal law and will damage the unit and void your warranty. Only use unleaded gasoline containing up to 10% ethanol.

Ne pas utiliser d'essence E15 ou E85 dans ce produit. Une telle utilisation représente une violation de la loi fédérale et endommagera l'appareil et annulera la garantie. Utiliser seulement de l'essence sans plomb ne contenant pas plus de 10 % d'éthanol.

No utilice combustibles E15 o E85 con este producto. Esto constituye una violación a la ley federal, dañará la unidad y anulará la garantía. Use únicamente gasolina sin plomo con un contenido de hasta 10 % de etanol.

Your string trimmer has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Le taille-bordures à ligne a été conçue et fabriquée conformément à nos strictes normes de fiabilité, simplicité d'emploi et sécurité d'utilisation. Correctement entretenue, elle vous donnera des années de fonctionnement robuste et sans problème.

AVERTISSEMENT : Pour réduire les risques de blessures, l'utilisateur doit lire et veiller à bien comprendre le manuel d'utilisation avant d'employer ce produit.

CONSERVER CE MANUEL POUR FUTURE RÉFÉRENCE

Su recortadoras de hilo ha sido diseñada y fabricada de conformidad con las estrictas normas para brindar fiabilidad, facilidad de uso y seguridad para el operador. Con el debido cuidado, le brindará muchos años de sólido y eficiente funcionamiento.

ADVERTENCIA: Para reducir el riesgo de lesiones, el usuario debe leer y comprender el manual del operador antes de usar este producto.

GUARDE ESTE MANUAL PARA FUTURAS CONSULTAS

Erosion Control

Silt Fence 3′ x 100′ Roll

Availability: **Sold in Store Only**

Brands: Misc.

Wishlist

Description Reviews

- Silt Fence Helps prevent soil loss from landscaping and construction sites.
- Fencing is attached to posts for easy installation.
- 3′ x 100′ roll.

SKU: 1000N / **Category:** Erosion Control

Related products

Erosion Control

Double Net Straw Blanket 12 Month 8′ x 112′ Roll

$59.10

Erosion Control

Jute Mesh 4′ x 225′ Roll

$61.30

Customer Care

Information

Extras

JC SMITH Est. 1976 INC.
RENTAL ★ SALES ★ SIGNS ★ SERVICE

Got Questions ? Call us
1-315-428-9903

WINFAB INDUSTRIAL FABRICS

PRODUCT DATA SHEET

WINFAB 315W

WINFAB 315W is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position.
WINFAB 315W resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV English	MARV Metric
Tensile Strength (Grab)	ASTM D-4632	315 x 315 lbs	1402 x 1402 N
Elongation	ASTM D-4632	12%	12%
CBR Puncture	ASTM D-6241	900 lbs	4005 N
Trapezoidal Tear	ASTM D-4533	120 x 120 lbs	533 x 533 N
UV Resistance (500 hrs)	ASTM D-4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D-4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D-4491	0.05 sec^{-1}	0.05 sec^{-1}
Water Flow Rate	ASTM D-4491	4 gpm/ft^2	163 lpm/m^2

***Maximum Average Roll Valve**

Notes:
- Mullen Burst ASTM D-3786 has been removed. It is not recognized by ASTM D-35 on Geosynthetics.
- Puncture ASTM D-4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D-6241

PROPERTY	Typical English	Typical Metric
Roll Dimensions	12.5 x 360 ft 15 x 300 ft 17.5 x 258 ft	3.81 x 109.8 m 4.6 x 91.5 m 5.3 x 78.7 m
Roll Area	500 yd^2	418 m^2

Willacoochee Industrial Fabrics, Inc.
PO Box 599 • 769 West Main Street • Willacoochee, GA 31650
Ph: (912) 534-5757 • Fax: (912) 534-5533

GMA Geosynthetic Materials Association

CONSTRUCTION TECHNOLOGY

INSPECTION & TESTING DIVISION, P.D.& T.S., INC.
4 William Street, Ballston Lake, New York 12019
Phone: (518) 399-1848 Email: constructiontech@live.com

CLIENT: **Wm. LARNED & SONS, INC.**
544 BURDECK STREET
SCHENECTADY, NEW YORK 12306

REPORT DATE: 06/29/21
SAMPLE NUMBER: 21262
OUR FILE NO: 331.018

Robert Behan

ATT'N: MS. SUZANNE YOUNG
REVIEWED BY: ROBERT BEHAN, NICET

PROJECT: **2021 LABORATORY MATERIALS EVALUATION**

ASTM C136 / C117 / D422: SIZE DISTRIBUTION OF SOIL & AGGREGATES: SIEVE ANALYSIS

MATERIAL SOURCE: **CLIENT ID: #2 STONE**
MATERIAL DESCRIPTION: CRUSHED STONE sized as: GRAVEL, fine; trace Silt/Clay
MATERIAL PROJECT USE: COARSE AGGREGATE
EVALUATION SPECIFICATION: NYSDoT STANDARD SPECIFICATION SECTION 703-02, TABLE 703-4, SIZE 2

COARSE SIEVE SERIES: US STANDARD						MEDIUM SIEVE SERIES: US STANDARD						FINE SIEVE SERIES: US STANDARD					
SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE			SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE			SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE		
4"						1/4"						#50					
3"						#4						#60					
2 1/2"						1/8"						#80					
2"						#8						#100					
1 1/2"		**100.0**	**100**	**-**	**100**	#10						#140					
1"	12.1	**87.9**	**90**	**-**	**100**	#16						**#200**	99.8	**0.2**	**0**	**-**	**1**
3/4"						#20						SILT					
1/2"	98.0	**2.0**	**0**	**-**	**15**	#30						CLAY					
3/8"						#40						COLLOID					

CONSTRUCTION TECHNOLOGY

INSPECTION & TESTING DIVISION, P.D.& T.S., INC.
4 William Street, Ballston Lake, New York 12019
Phone: (518) 399-1848 Email: constructiontech@live.com

CLIENT: **Wm. LARNED & SONS, INC.**
544 BURDECK STREET
SCHENECTADY, NEW YORK 12306

REPORT DATE: 09/14/21
SAMPLE NUMBER: 21430
OUR FILE NO: 331.018

Robert Behan

ATT'N: MS. SUZANNE YOUNG
REVIEWED BY: ROBERT BEHAN, NICET

PROJECT: **2021 LABORATORY MATERIALS EVALUATION**

ASTM C136 / C117 / D422: SIZE DISTRIBUTION OF SOIL & AGGREGATES: SIEVE ANALYSIS

MATERIAL SOURCE: **CLIENT ID: ITEM 304.14: SUBBASE COURSE TYPE 4**
MATERIAL DESCRIPTION: GRAVEL, fine; and medium/coarse Sand; trace Silt/Clay
MATERIAL PROJECT USE: FILLS / BACKFILLS
EVALUATION SPECIFICATION: NYSDoT STANDARD SPECIFICATION SECTION 304-2.02 ITEM "A", TYPE 4

COARSE SIEVE SERIES: US STANDARD						MEDIUM SIEVE SERIES: US STANDARD						FINE SIEVE SERIES: US STANDARD					
SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE			SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE			SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE		
4"						**1/4"**	52.4	**47.6**	**30**	-	**65**	#50	95.1	4.9			
3"						#4	56.5	43.5				#60					
2 1/2"						1/8"						#80					
2"		**100.0**	**100**	-	**100**	#8	65.8	34.2				#100	96.1	3.9			
1 1/2"	10.1	89.9				#10						#140					
1"	26.8	73.2				#16	80.1	19.9				**#200**	96.3	**3.7**	**0**	-	**10**
3/4"	34.5	65.5				#20						SILT					
1/2"	42.1	57.9				#30	90.9	9.1				CLAY					
3/8"	46.8	53.2				**#40**	93.8	**6.2**	**5**	-	**40**	COLLOID					

ATTACHMENT G

PRECISION
ENVIRONMENTAL SERVICES, INC.

PRECISION
ENVIRONMENTAL SERVICES, INC
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS 1991 - 2021

November 30, 2021

Ms. Brianna Scharf
NYSDEC Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7014

RE: Community Air Monitoring Program (CAMP)
Katzman Recycling
24 County Route 26, Granville, New York
NYSDEC Site No.: 558035

Dear Ms Scharf:

This Community Air Monitoring Program (CAMP) has been prepared by Precision Environmental Services, Inc. (PES), in response to Callout No. 140354 issued by the New York State Department of Environmental Conservation (NYSDEC) for remedial activities associated with the former Katzman Recycling facility located at 24 County Route 26, Town of Granville, Washington County, New York (the "Site"). Between 1949 and 2007, the Site accepted various metal products for recovery and recycling. The former incinerator building used during historical operations is centrally located in the former operational portion of the Site and associated incinerator waste was reportedly present to the north, west, and south of the structure. Among the waste materials identified at the Site were used auto parts, carburetors, chain saws, automobiles, heavy equipment, white goods, transformer carcasses, capacitors, and other electrical equipment. A pile located along the embankment near the wetland on the southwestern part of the Site was found to be composed of incinerator waste generated during historic onsite activities. The area east of the incinerator building appears to be the location where capacitors and transformers were dismantled. Additionally, to the east of the incinerator, several older model automobiles were discovered to be scattered throughout the wooded areas. A pole barn used for storage and possible mechanical work is located along the northwestern property boundary. PES will be performing limited building demolition and waste debris consolidation activities at the Site on behalf of the NYSDEC in accordance with the terms of our Standby Contract No. C100614. A more specific description of the activities to be performed is provided in the *Incinerator Building Demolition and Debris Consolidation Work Plan,* prepared by PES and dated December 2, 2021. The following CAMP has been prepared in accordance with the New York State Department of Health (NYSDOH) Generic CAMP (Attachment 1).

This CAMP is a stand-alone document to be implemented in conjunction with the *Incinerator Building Demolition and Debris Consolidation Work Plan* for the Site as well as the site-specific Health and Safety Plan (HASP). Details of the proposed CAMP are further described below. The site-specific HASP provides details related to health and safety for onsite activities for PES personnel and the CAMP details air monitoring activities to protect the surrounding community.

Purpose

The purpose of the CAMP is to provide a measure of protection for the downwind community, more specifically off-site receptors including residents and workers, from potential airborne contaminant releases as a result of remedial activities performed at the Site. The monitoring effort will address both airborne particulate and volatile organic compounds (VOCs) and all monitoring described in this CAMP will be performed by PES personnel.

This CAMP will be implemented through the course of the remedial activities and during any potential dust generating events including but not limited to:

- Building/structure demolition;
- Sorting/staging of waste materials;
- Excavation, trenching, and test pitting, and handling of waste materials;
- Backfilling; and
- Grading.

On any given day when potential dust generating activities are planned, a minimum of three air monitoring stations will be set up and operational prior to commencing any potential dust generating activities. Air monitoring stations will be checked throughout the day and will not be turned off until all potential dust generating activities have ceased for the day.

Particulate Air Monitoring

Particulate monitoring will be conducted during all ground intrusive activities at the Site in accordance with the *Fugitive Dust and Particulate Monitoring from DER-10 Technical Guidance for Site Investigation and Remediation* (Attachment 3). In general, dust and particulate monitoring will be conducted near the approximate upwind and downwind perimeters of the exclusion zone, site property boundaries or proximate to areas of apparent dust generating operations. Dust monitoring may be suspended during periods of precipitation.

Particulate air monitoring will be conducted with a TSI 8530 Dust Trak II Aerosol Monitor (or a similar device). This instrument will be housed in an ERS enclosure equipped with a visual alarm (indication of exceedance) and is capable of measuring particulate matter less than 10 micrometers in size (PM-10). It will continually record emissions (calculating 15-minute running average concentrations) generated during field activities. The dust monitoring devices

will be checked and recorded periodically throughout the day of intrusive activities to assess emissions and the need for corrective action.

Particulate Monitoring Response and Action Levels

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (µg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. In general, dust suppression will include the application of clean potable water during the dust generating event. Assuming a water source is not available onsite, the suppression water will be contained in a minimum 500-gallon poly tank to be staged onsite. A generator, submersible pump, associated hoses and nozzle sprayer will be used to dispense the fluid as needed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 µg/m3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 µg/m3 above the upwind level, work will be stopped, and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 µg/m3 of the upwind level and in preventing visible dust migration.

Volatile Organic Compound Air Monitoring

Volatile organic compound (VOC) air monitoring will be conducted in conjunction with the dust monitoring program. VOC air monitoring will be conducted using a RAE Systems MiniRAE 3000 instrument (or a similar photoionization detector (PID)) equipped with a 10.6 electrovolt (eV) lamp to provide real-time recordable air monitoring data. VOC monitoring will be conducted for ground intrusive (continuous monitoring) and non-intrusive activities (periodic monitoring).

VOC monitors will be housed within the weather protective enclosure with the particulate sensing equipment at locations previously outlined. In general, airborne VOCs will be monitored and recorded at the downwind perimeter of the immediate work area and/or Site property boundary. Upwind concentrations will be measured before field activities commence and periodically throughout the day to establish background conditions. The downwind VOC monitoring device will also be checked periodically throughout the day to assess emissions and the need for corrective action.

VOC Monitoring Response and Action Levels

- If the ambient air concentration of total VOCs at the downwind perimeter monitoring locations or within the exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total VOC level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If the organic vapor level remains sustained above 5 ppm at the perimeter of the work area, activities will be shut down and work will be re-evaluated.

- If the VOC concentration exceeds 25 parts per million (ppm) above background for the 15-minute average, work activities will be ceased and will not resume until authorized by the NYSDEC.

Weather conditions, including the prevailing wind direction, will be observed and recorded for each day of site activities. As work and weather conditions change throughout the day, the locations where the VOC monitoring devices are set up may be adjusted accordingly.

Documentation and Calibration

The VOC air monitoring device shall be calibrated prior to daily field activities according to manufacturer's instructions and standard industrial hygiene practices. Calibration measurements will be recorded on a field data record. Field measurements will be recorded and available for review. The particulate monitoring device is factory calibrated on an annual basis. Upon completion of field activities, available monitored data recorded will be downloaded, evaluated and summarized.

Meteorological Data

Meteorological data including air temperature, precipitation, wind direction, and wind speed will be monitored during all field activities. Meteorological data will be obtained by monitoring the hourly local weather report provided by the national weather service (NWS). Meteorological data will be recorded at the start and end of each work shift and checked hourly to properly position upwind and down wind CAMP equipment.

Reporting

Community air monitoring reports will be prepared on a weekly basis. These reports will include a brief description of the work activities completed along with all community air monitoring and meteorological data. These reports will be submitted by noon on each Monday through the duration of the project and will include information for the previous week's activities. Weekly reports will be submitted electronically to TRC, NYSDEC and the NYSDOH personnel as appropriate.

PRECISION
ENVIRONMENTAL SERVICES, INC
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

In addition, all raw air monitoring data including total VOCs, PM-10 and meteorological data will be submitted to TRC personnel in electronic format on a monthly basis through the course of the remedial activities. Raw data reports will be provided within the first week of a given month for the previous months monitoring.

If there are any questions regarding this CAMP, or if you require any more information, please do not hesitate to contact me directly at 518-885-4399.

Sincerely,

PRECISION ENVIRONMENTAL SERVICES, INC.

Kevin Ballou

Project Manager

PRECISION
ENVIRONMENTAL SERVICES, INC
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

ATTACHMENT 1

NYSDOH GENERIC CAMP

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

PRECISION
ENVIRONMENTAL SERVICES, INC
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

30 YEARS
1991 - 2021

ATTACHMENT 2

FUGITIVE DUST AND PARTICULATE MONITORING FROM DER-10 TECHNICAL GUIDANCE FOR SITE INVESTIGATION AND REMEDIATION

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50° C (14 to 122° F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

ATTACHMENT H

PRECISION
ENVIRONMENTAL SERVICES, INC.

KEY PLAN

SCALE: 1"=400'±

Notes

1. Map reference: Technical Scope of Work Drawings prepared by TRC Engineers, dated August, 2021. Refer to these plans for specific site features E&SC Details and locations. Unless otherwise noted, all site features are existing and subject to field verification.
2. Unless indicated by specific dimensions, drawings are meant to be diagrammatic. contractor must field verify dimensions and the work shall be governed by field conditions and/or engineer's instructions.
3. Contractor must contact digsafelyny prior to any excavation, as well as coordinate on-site utilities with owner.
4. Install compost filter sock and all other materials required by the Technical Scope of Work (TSOW), Katzman Recycling, prepared by TRC Engineers, Inc., dated September, 2021. Install prior to disturbance of the ground surface, clearing and grubbing, demolition, Consolidated Debris Staging Area construction, and other primary tasks.
5. Provide temporary ESC measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust. Maintain public roads used during the work free of soil and debris at all times. Remove mud and soil tracked onto roads immediately and no less frequently than daily. Public roads include all roads, driveways and parking areas.
6. While no excavation or grading activities are proposed, measures employed for limiting soil erosion and off-Site pollution by sedimentation shall include, but not be limited to, vegetative cover and/or sediment control devices. Maintain erosion and sedimentation controls as required by field conditions and as directed. Inspect erosion and sedimentation controls daily and immediately after rainfall. Make repairs immediately. When necessary, inspections shall be performed by a Certified Professional in Erosion and Sediment Control (CPESC) or a professional with a New York State Erosion and Sediment Control Certificate Program (NYSESCCP) certification, or other appropriately licensed and ENGINEER-approved professional.
7. Existing trees, shrubs, and other ground cover outside of the work area are a buffer to soil erosion and shall be protected. During construction, exercise care to prevent damage to existing vegetation not specified for removal. Construct barriers to surround trees and other vegetation. Perform all clearing and grubbing as specified in Section 3.06 of the TSOW.
8. Workers at the construction Site shall be cognizant of ESCs and shall be involved in guarding against damage to vegetated areas not specified for removal.
9. The CONTRACTOR shall remove and stockpile excess sediment from ESC structures at an on-Site location as directed by ENGINEER.
10. Care shall be taken to prevent potential for impact to the nearby surface water body, storm drain inlets and catch basins. The CONTRACTOR shall keep silting of underground storm drainage piping from occurring and contain off-Site pollution caused by sediment laden run-off using a permeable barrier around drain inlets.
11. Inspect, repair, and maintain erosion and sedimentation control measures during construction until demobilization. Stockpile accumulated sediment at an on-Site location as directed by the ENGINEER.
12. Remove erosion and sedimentation controls when directed by the ENGINEER (and not before) and restore and stabilize areas disturbed during removal. Properly dispose of all CONTRACTOR-generated waste.

PRECISION
ENVIRONMENTAL SERVICES, INC.
831 ROUTE 67
CURTIS INDUSTRIAL PARK
BALLSTON SPA, NY 12020
518-885-4399
PES

EROSION & SEDIMENTATION CONTROL PLAN

KATZMAN RECYCLING SITE
NY Route 22
NYSDEC SITE # 558035

TOWN OF GRANVILLE
COUNTY OF WASHINGTON

DATE
DEC. 8, 2021

SCALE
1" = 60'±

REVISIONS

JOB NO. 2021-21

DRAWING NO.
E&SC