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April 11, 2013

Mr. Gary Priscott, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 7
1679 NY Route 11
Kirkwood, NY 13795-9772

Re: Building Demolition Evaluation
Former Haz-O-Waste (Northeast Environmental Services) Site
NYSDEC Site No. 727003
Work Assignment (WA) No. D007620-9
TRC Project No. 198432.0000.0000

Dear Mr. Priscott:

This letter report presents the results of analysis regarding the existing abandoned building on the site of the former Haz-O-Waste (a.k.a., Northeast Environmental Services) facility located at 4123 Canal Road in the Village of Wampsville, Town of Lenox, New York (the "Site"). The primary purpose of the analysis was to determine whether demolition of the existing building is recommended to facilitate implementation of the planned remedial action, in-situ thermal remediation (ISTR). In accordance with the New York State Department of Environmental Conservation (NYSDEC or Department) approved scope of work dated January 8, 2013, this letter report includes the following:

- Review of the Asbestos & Environmental Consulting Corporation (AECC) Limited Hazardous Material Pre-Demolition Survey Report
- A Supplemental Pre-Demolition Survey for Hazardous Building Materials prepared by TRC Engineers, Inc. (TRC)
- Evaluation of building demolition in consideration of DER-31/Green Remediation, remedy implementation and potential future Site uses
- Recommendations regarding demolition with respect to implementation of the site remedy

During preliminary Site inspection activities performed on November 9, 2012, TRC met with representatives of the Department to document the general conditions of the Site building. This included visual inspection and collection of photographs of relevant interior and exterior building features and remaining materials/equipment (refer to Attachment A, Site Inspection Photographs). As part of pre-design investigation activities performed during the week of January 21, 2013, TRC met with the Town of Lenox Codes Enforcement Officer to review and copy a collection of historical building drawings, to further assist with the demolition evaluation (refer to Attachment B). A summary of the project documents reviewed, the results of the supplemental pre-demolition survey, an evaluation of building conditions, an evaluation of building demolition, and recommendations regarding demolition with respect to implementation of the Site remedy are presented below.

Background

The Site consists of five tax parcels totaling approximately 12 acres, as shown on the survey drawing in Attachment C. A chain link fence encloses a portion of the southern part of the property containing the Site Building and a gravel covered parking area. Generally the property slopes gradually downward from south to north; however, as shown on the topographic survey, in Attachment C, the ground surface in the southern portion of the property, in the vicinity of the former industrial building, is higher than the surrounding farmland, suggesting that fill material may have been imported as part of development of the Site, possibly due to the wet/marshy natural conditions.

Based on review of building drawings, the approximately 14,500 square foot concrete block and wood frame original Site building was constructed circa 1976. In the 1990s, the original concrete block/wood frame building was enclosed by construction of a corrugated metal building over and around the original building. The new corrugated metal structure extended the building footprint north to include new staging areas and east to include restrooms, a loading dock, and a truck loading/unloading pad. The current building footprint encompasses approximately 28,000 square feet.

The Site was a permitted Resource Conservation and Recovery Act (RCRA) hazardous waste management facility which operated from the late 1970s until 2001 under Permit No. R7-2536-00012/00001. Various wastes including laboratory chemicals, industrial solvents, and paint and ink residues were treated at the facility prior to off-site disposal. The facility operations resulted in the contamination of soil and groundwater at the Site with volatile organic compounds (VOCs). In January 2002, the NYSDEC revoked the facility's 6 NYCRR Part 373 hazardous waste management permit. Based on the remedial investigation and feasibility study completed for the Site, ISTR with air sparging (following implementation of ISTR) was selected as the Site remedy as stated in the March 2012 Record of Decision (ROD). In the ROD, the proposed ISTR treatment area is shown partly beneath the northern portion of the building and extending north of the building.

Existing Building Conditions

The former industrial building is a one-story, approximately 28,000 square foot, concrete block and corrugated metal structure with a single slope roof that pitches from east to west. There is a concrete storm water trench along the western side of the building which receives sheet flow runoff from the building roof. Based on review of the historical drawings and Site observations, the storm water collection trench discharges to a catch basin located near the southwest corner of the building (refer to Attachment C). The catch basin also receives stormwater via a culvert under Canal Road from a drainage ditch on the south side of Canal Road parallel to the Erie Canal (refer to Drawing S-1 in Attachment B). The catch basin discharges to a 12-inch diameter buried plastic pipe which runs north to the property boundary line and then daylights into a perpendicular open drainage ditch. Also, near the southwest corner of the building, there is an unlabeled 24-inch diameter manhole with an inoperable sump pump and a 2-inch diameter discharge pipe. The discharge location of the sump pump could not be confirmed. Additional site drainage features outside the fence line are shown on the survey drawing in Attachment C.

According to the available drawings and Site observations, the building is connected to public water service (currently inoperable) from Canal Road via a 1" buried copper service line that enters the building near the southwest corner via a penetration in the floor slab in the utility room. The building is currently without electrical power service. However, there are overhead service lines which run from a utility pole on Canal Road to the building. Electrical wiring within the building has been stripped of copper and rewiring would be required to restore service. There are buried electrical conduits between the industrial building and the former remediation system enclosures north of the building, within the limits of the planned ISTR treatment area.

A former telecommunications service line originates from the same utility pole, on the north side of Canal Road, which supports the overhead electrical lines to the building. The telecommunications conduit runs below ground surface from the utility pole to the southwest corner of the building (refer to the photographs in Attachment A).

According to Scott Henderson, the Town of Lenox Codes Enforcement Officer, there is no public sewer system along Canal Road. This is supported by the historical Site drawings which show "sanitary holding tanks". Historical Drawing S-1 (dated 12/23/92), associated with the expansion of the building footprint and enclosure of the original building, shows two "existing" underground sanitary holding tanks on the western side of the building "to be removed and backfilled" to allow for the building footprint expansion. Drawing S-1 also shows two "New Underground Sanitary Holding Tanks" along the southern edge of the building, under the parking area. Recent Site inspections have identified an apparent underground holding tank slightly west of the original holding tank area and outside of the new building footprint. Site inspections also identified an abandoned buried structure near the main vestibule entrance to the building inside the building footprint. The structure near the main entrance is not shown on Historical Drawings. Near the buried structure are four aboveground pipes and a cleanout suggesting that the buried structure

may be a former sanitary holding tank. The four aboveground pipes are filled with concrete to floor slab elevation. The cleanout pipe is not filled with concrete.

While the building appears to be in fair condition with no obvious evidence of structural issues, roof deterioration and noticeable mold growth are present in the southwestern portions of the building. In addition, the corrugated metal shell of the outer building structure does not completely extend to the ground surface around the perimeter of building, which allows for outside air infiltration into the eastern and northern parts of the building (refer to photographs of the building in Attachment A).

Concrete floor slab elevations and thicknesses vary throughout the building, and floor stains are present in multiple rooms, former storage locations, and former staging areas. The results of laboratory analyses of soil and groundwater samples collected as part of pre-design investigation activities performed in January 2013 have confirmed that the majority of the subsurface VOC contaminant mass at the Site is below the northern portion of the building concrete floor slabs and extends north of the building footprint.

Soil vapor intrusion is an environmental concern associated with the building based on the nature and extent of known VOC contamination in the subsurface below the building and the shallow groundwater table. Groundwater surface elevations recorded during the January 2013 pre-design investigation activities were estimated to be approximately four (4) feet below the top of the floor slab, on average. Groundwater surface elevations are variable and have been reported to be at times within one foot of the bottom of the floor slabs during peak precipitation conditions. The Department has also indicated that in parts of the building the concrete floor slab is subject to a hydrostatic condition in which groundwater wells up under pressure when the concrete slab is penetrated.

Major materials, equipment, and furnishings within the building remain in place. There are skid-mounted parts of two soil-vapor extraction (SVE) systems, a forklift, and three trailers containing files associated with the former Haz-O-Waste and Northeast Environmental Services businesses in the truck unloading pad area. In the tank room there are aboveground hazardous waste collection tanks (labeled emptied and cleaned) and wall-mounted transfer pumps on metal shelves on the south wall of the room. Overhead lighting fixtures remain in the truck unloading pad area and halogenated staging area in addition to approximately ten wall-mounted fire extinguishers on the western wall of the staging area. There is a drum crushing device located near the eastern entrance to the aqueous treatment area and an aboveground cone bottom wastewater collection tank and associated steel platform remain in the aqueous treatment area. Next to the western building wall in the bases staging area are two compressors, and there is a portable air-heating system near the northern wall of the cyanide staging area.

In the boiler room, there is one boiler in addition to two fuel oil-fired building heating systems in the northwest corner of the room. Electrical panels, control panels, and connected raceways and wiring also remain along the northern and western walls of the utility room. In the laboratory there is a gas chromatograph on a wooden countertop. A hot water heater was observed in a room between the restrooms.

AECC Limited Hazardous Material Pre-Demolition Survey Report

In July 2012, a Limited Hazardous Material Pre-Demolition Survey Report was prepared by AECC to evaluate interior spaces of the building for asbestos-containing material (ACM) and lead as directed by the Department. Evaluation of the outer shell of the building and roofing system was not included as part of AECC's scope of work. A summary of the report findings is presented below and a copy of the AECC report is in Attachment D.

Based on review of the AECC report, bulk samples of caulking, adhesives, joint compounds, sheetrock, linoleum, interior accessible roofing components, cove bases, wall coatings, floor tile mastics, and other miscellaneous materials were collected throughout the building. Results of laboratory analyses presented in the report indicate that ACMs were identified in the front office, laboratory, cafeteria, and the electrical board/panel in the hallway east of the cafeteria. These four locations are in the southwest portion of the building, which is the older portion constructed circa 1976. In the front office roofing, roofing cement, and roof flashing were found to contain ACM. ACM was also found in the fume hoods in the laboratory room and in the brick pattern linoleum in the cafeteria. AECC concludes in the report that a minimum of 760 square feet of interior building materials contain asbestos.

The AECC report also indicates that 1,554 square feet of presumed asbestos containing materials (PACMs) are present in inaccessible building locations. The PACMs identified by AECC include overhead vermiculite insulation above the building restrooms, internal components of the boiler (in the boiler room), and gaskets in overhead lighting in the truck unloading pad area.

In addition to sampling for ACM, the AECC report indicates that five (5) representative window caulk samples were collected on June 20, 2012 and submitted to Schneider Laboratories for lead and polychlorinated biphenyl (PCB) analysis. None of the five (5) samples collected contained PCBs. However, four (4) of five (5) samples were determined by the laboratory to be lead-containing materials. The lead-containing caulk samples were collected in the front office (near the southwest corner of the building), the entrance hallway (in the southern portion of the building), and the halogenated staging area (near the center of the building). Paint chips from interior block walls in the labpack staging and consolidation areas were also collected for lead analysis. Review of report results indicate that the paint chips tested were not lead-containing materials; however, it was recommended that other non-sampled paint applications should be anticipated to be lead-containing and managed, transported, and disposed of accordingly. A figure showing the areas of interest is included as part of the AECC Limited Hazardous Material Pre-Demolition Survey Report in Attachment D.

Supplemental Pre-Demolition Survey for Hazardous Building Materials

On January 23, 2013, TRC performed a supplemental survey of the building interior to verify the findings of the AECC Report and to determine if additional sampling was warranted. In addition to evaluation of the building interior, the survey also included evaluation of the building exterior and roofing system. After completion of the survey, a Supplemental Pre-Demolition Survey Report was prepared. This report

has been included as part of this letter in Attachment E. A summary of the report findings is presented below.

Inside the building TRC collected samples of black, pliable door window glaze in the boiler room and samples of transformer paper insulation in the electrical room were also collected. Analysis indicated that both of these materials are non-asbestos containing materials.

On the exterior and roof of the building rivet sealant was sampled for ACM. Analysis results indicated that building exterior walls and accessible portions of the roof do not contain ACM. Flashing associated with roof vent and exhaust fan penetrations in the southwest portion of the building were inaccessible and as a result could not be sampled. Based on the results of analysis of similar accessible flashing in the southwest portion of the building (reported by AECC), the roof vent and exhaust fan penetration flashing in this portion of the building is likely ACM.

To further delineate the extent of lead-based paint in the building, as indicated in the AECC report, 42 XRF measurements were made of coatings on interior walls, doors, windows frames, ceilings, and structural steel. The measurements were made in offices and hallways, the laboratory room, restrooms, the electrical room, boiler room, labpack staging area, acid staging area, and the truck unloading area. Of the 42 measurements, lead containing coatings were found in two (2) locations. The paint covering the walls and ceiling of the front office in the southwest corner of the building contain lead. In addition, one paint chip sample of the coating on the steel I-beam outside of the restrooms was collected for laboratory analysis and contained lead.

In addition to asbestos containing materials and lead containing coatings, numerous regulated materials were identified as part of the Supplemental Pre-Demolition Survey. An inventory of regulated materials identified is presented in the Supplemental Pre-Demolition Survey Report.

Evaluation of Building Demolition

Applicable Guidance

In evaluating building demolition in support of the planned remedy, DER-31/Green Remediation was used as guidance. DER-31 defines "Green Remediation" as "the practice of considering all environmental effects of remedy implementation and incorporating options to minimize the environmental footprint of cleanup actions". In addition, DER-31 is intended to be a "holistic approach" which "implements practices and technologies that are, less disruptive to the environment, generate less waste, increase reuse and recycling, and emit fewer pollutants, including greenhouse gases." The policy "also recognizes the potential for positive economic and social benefits of site reuse and supports coordination of site reuse and remediation to effect the most beneficial and sustainable reuse of the site".

With respect to the existing Site building, leaving the structure intact during the remedy and returning the property and building to a beneficial end use would be a "green" alternative resulting in minimal impact to the environment and reduced waste generation. However, the 2012 AECC and 2013 TRC building

materials survey reports (refer to Attachments D and E, respectively) have documented that the building contains hazardous building materials and leaving the building intact may interfere with successful implementation of the remedy. Therefore, TRC assessed the benefits and disadvantages of building demolition with respect to implementation of the remedy. A summary of building demolition advantages, disadvantages, and mitigating measures to reduce disadvantages are presented below.

Benefits of Demolition with Respect to Remedy Implementation

Demolition of the existing Site building will facilitate the implementation and effectiveness of the ISTR remedy in the following ways:

- Implementation of ISTR will require the installation of a significant number of additional monitoring wells and remediation wells in and around the treatment area. Based on the known extent of subsurface contamination, the majority of the treatment area will be within the building footprint. Demolition of the building would facilitate access to the well locations and installation of the wells. In addition, removal of the building would provide flexibility in the type of equipment that could be used for drilling for well installation.

- Demolition of the highly compartmentalized building interior would facilitate connection of the remediation wells to the treatment system equipment via conduits, piping, etc.

- As indicated previously, the building electrical conduits have been gutted and the building is without lighting. Demolition of the building would eliminate the need to provide temporary lighting throughout the building for remedy implementation, and the potential hazards associated with interior temporary lighting. Interior lighting would consume resources and energy which is contrary to the objectives of DER-31.

- Slab elevations and thicknesses are variable throughout the building and the groundwater surface is within a few feet of the bottom of the floor slabs throughout most of the building. In addition, as stated above, the Department has indicated that there are areas of the building where a hydrostatic condition has been observed, at least seasonally, where groundwater wells up under pressure when the floor slab is penetrated. Furthermore, based on review of historical building drawings, it is not likely that there is an existing continuous gravel/aggregate layer below the various floor slabs. An effective vapor extraction system is required to capture vapor phase VOCs generated during ISTR, and the combination of these conditions would complicate design of the vapor extraction system. As a result of the existing sub-slab conditions, pilot testing within the footprint of the building prior to vapor extraction system design would likely be required, if the building is not removed. Demolition and removal of the building floor slabs would mitigate the sub-slab complications associated with design of the vapor extraction system component of the ISTR system.

- As indicated previously, there are several existing underground utility lines that pass under and through the building floor slabs including telecommunications, water service, and waste lines

connecting plumbing fixtures to the sanitary holding tanks. There are additional buried piping/structures adjacent to and west of the building including the sanitary holding tanks, stormwater piping/structures, and electrical conduits between the industrial building and two remediation system enclosures north of the building. Buried piping, pipe bedding material and conduit can serve as preferential pathways and cause uneven subsurface heating during ISTR. Buried plastic piping, such as the existing stormwater piping on the western side of the building, could be damaged by ISTR due to the typical subsurface temperatures within the treatment zone, potentially causing flooding and cooling of the treatment area. Additionally, if electrical resistive heating (ERH) technology is used, buried metal piping/structures could cause short circuiting of electrical current supplied to the subsurface. Demolition and removal of underground utilities and structures will alleviate design and implementation complications.

- The existing Site building is known to contain hazardous building materials that represent potentially hazardous conditions. Subsurface contamination of soil and groundwater below the building slab also presents hazardous conditions based on the potential for soil vapor intrusion. Demolition of the building would eliminate the building-related hazards, providing a safer environment during implementation of the remedy.

- Visual inspection shows significant evidence of water damage in the southwestern portions of the building, possibly due to the proximity of the Erie Canal and discharge from the drainage ditch that runs parallel to the canal. The water damage indicates the building is susceptible to flooding. Flooding in and around the building during implementation of the remedy could cool the subsurface and reduce the effectiveness/efficiency of ISTR. Demolition of the building and Site stormwater drainage modifications could mitigate the potential for flooding during ISTR.

Disadvantages of Demolition

There are several disadvantages associated with demolition of the Site building as described below:

- Although portions of the building could be reclaimed or reused as scrap, consistent with the goals of DER-31, demolition of the building would result in the generation of waste. Both scrap material and waste would be transported off-site, which would result in a short-term increase in vehicle traffic and associated emissions and use of fuel. Building demolition also has the potential to create dust and significant noise.

- If building demolition were made part of the remediation contract it may delay implementation of the remedy (i.e., extend the remediation contract time). In addition, remediation contractors qualified to implement ISTR may not have experience with building demolition, and therefore, building demolition may represent a “risk” to qualified ISTR contractors and would likely be subcontracted. The potential for perceived risk and subcontracting the demolition (which would probably result in a markup) could result in elevated costs.

- In the short term, demolition and removal of the building would expose contaminated soil and potentially increase downward migration of contamination via stormwater recharge. Demolition of the building would also contribute to increased recharge, saturation, and cooling in the treatment area during remedy implementation, thereby potentially reducing the effectiveness of ISTR.

- Demolition of the building eliminates the possibility of re-use alternatives. If the property were developed in the future for a use which could benefit from the existing structure, demolition of the building for implementation of the remedy would eliminate this potential.

Mitigating Measures to Reduce Disadvantages

Considering as indicated above that remedy implementation would benefit from removal of the building, potential measures have been developed to mitigate the potential disadvantages associated with demolition. The guidance in DER-31 was considered in developing the potential mitigating measures, which are presented below.

- Reuse of building materials onsite as part of building demolition is a valuable method to minimize environmental impacts of demolition operations while also minimizing demolition costs. Maximum reuse of building materials on-site will reduce waste generation and minimize transport of demolished materials, which reduces vehicle emissions. For example, concrete from floor slab removal could be crushed for utilization as fill material. Considering the shallow water table and potential for flooding, recycled concrete aggregate (RCA) generated during demolition could be used to build up the ground surface elevation over the remediation area.

- Equipment and materials that are not hazardous or cannot be used as part of the Site remedy can be considered for asset recovery or reclamation. For example, laboratory equipment remaining at the Site could be offered for sale. Pre-fabricated metal building manufacturers can be contacted to determine if there is a potential for reuse of parts of the building. Equipment such as tanks, compressors, mechanical equipment, and forklifts as well as the onsite remediation equipment such as blowers and moisture separators may also be salvageable. Rebar from concrete can be removed and stockpiled separately and sold as scrap. Remaining building materials which are not hazardous and have an intrinsic value, such as structural steel, can also be reclaimed as scrap.

- Concerns regarding delaying the remediation project as a result of demolition as well as perceived increased risks and costs to the remedy caused by demolishing the building, as described above, can be mitigated by using a Department retained non-engineering standby contractor. By contracting directly with a standby contractor the demolition can be completed on a parallel track with the remedial design and would be eliminated from the remediation contractor's scope of work.

- Concerns regarding increased recharge and saturation and cooling of the remedial treatment area during rain and/or snow conditions resulting from removal of the building (which currently covers a significant portion of the planned treatment area) can be mitigated by, as part of the demolition

project, redirecting stormwater drainage and installing an asphalt cap (or other barrier), which would also serve to insulate the treatment area.

- Standard practices such as use of water cannons will mitigate dust generation during demolition. Noise concerns can be managed by restricting the hours of work and also limiting methods to controlled demolition.

There are four tractors and five semi-trailers at the Site. Three of these trailers are inside the building and are being used to store files associated with the former Haz-O-Waste and Northeast Environmental Services businesses that historically operated at the Site. Relocation of the files will be necessary if the building is demolished and the files are needed for future purposes. This may be accomplished by keeping the files in the trailers and moving the trailers into the parking area adjacent to the building, provided that the trailers are weather-tight and can be secured. If preferred by the Department, the files may also be transported to an off-site location for storage.

Summary of Findings and Recommendations

An evaluation of building demolition as it relates to the Site remedy must consider protectiveness of human health and the environment, the guidance in DER-31, and whether demolition represents significant advantages with respect to implementation of the Site remedy. Surveys of the building have identified asbestos in building materials and lead in coatings in the southwest portion of the building. In addition, the building does not have electrical wiring and the condition of the plumbing, mechanical and sanitary waste systems is not known. Inside the building there is a potential for vapor intrusion (from VOCs in soil and groundwater), damage from water intrusion, multiple top of slab elevations, floor staining, and a highly compartmentalized interior layout which likely would not be suitable for most commercial/industrial uses.

Demolition of the building will eliminate several potential hazards for workers during implementation of the selected remedy and significantly facilitate ISTR implementation as described above. Furthermore, removing the building will allow for more options for future beneficial use of the property. In conclusion, based on the results of the building materials surveys performed by AECC and TRC, assessment of the potential impacts of the building and associated utilities and structures on implementation of the selected Site remedy, including consideration of DER-31 and potential mitigating options discussed above, demolition of the building is recommended.

The following specific recommendations are provided for advancing building demolition in support of the implementation of the Site remedy:

- TRC understands that the Department maintains contracts with non-engineering standby contractors qualified to perform demolition. Executing demolition via this contracting mechanism is recommended considering schedule and cost. If abatement and demolition are performed by a standby contractor the work can be completed on a parallel track with completion of remedial design

and remedial contractor procurement. Alternatively, as indicated above, if the demolition is included as part of the ISTR contract, cost and schedule inefficiencies could result since vendors that specialize in ISTR technologies are not likely experienced hazardous building materials abatement experts or demolition experts with an established network of local reuse, recycling, and salvage vendors. In addition, the standby contractor could perform preliminary earthwork (e.g., raise the ground surface over the treatment area) and paving and prepare the Site for construction of the ISTR (e.g., remove buried utilities) further expediting implementation of the ISTR project. This approach will require preparation of a detailed scope of work for the standby contractor.

- Based on the findings presented in this report, if the Department is in agreement that the building should be demolished, it will be necessary to obtain a demolition permit from the Town of Lenox. The Town of Lenox has indicated that they will assist the Department to expedite the permit application and approval process to support advancing the remediation project.

- The demolition work should be performed in consideration of DER-31. Solid waste reduction by reuse and recycling should be made specific requirements for the standby contractor selected to perform demolition work. The standby contractor should also be required to maintain records documenting quantities of materials re-used, recycled and sold.

- Madison County requires disposal of waste generated in the County at the Madison County Landfill, unless the waste cannot be accepted pursuant to the landfill permit (e.g., friable ACM). Disposal of demolition waste should be performed in accordance with the County requirements.

- Madison County has excess recycled glass sand stockpiled at the County landfill. The glass sand could potentially be used to build up the ground surface over the treatment area if grading and drainage work are made part of the demolition project. It may be possible to transport the glass sand to the Site in the vehicles that are used to transport demolition waste to the County Landfill. This beneficial reuse would be consistent with the objectives of DER-31.

- Asbestos abatement activities will be required in accordance with Occupational Safety and Health Administration (OSHA) and New York State Department of Health (NYSDOH) requirements.

If you have any questions or comments, please do not hesitate to contact me or Deran in the office at (212) 221-7822. You can also contact me via e-mail at meflanagan@trcsolutions.com or on my mobile phone at (518) 894-1182. Deran can be contacted at dpursoo@trcsolutions.com or on his mobile phone at (304) 942-4566.

Sincerely,
TRC Engineers, Inc.

Marc Flanagan
Project Manager

Deran M. Pursoo, P.E.
Project Engineer

CC: H. Warner (NYSDEC)
D. Glass (TRC)
M. Wright (D&B)

Figures:

Figure 1: Site Location Map

Attachments:

Attachment A: Site Inspection Photographs

Attachment B: Town of Lenox Historical Building Drawings

Attachment C: February 2013 Site Survey Drawings

Attachment D: AECC Limited Hazardous Material Pre-Demolition Survey Report

Attachment E: TRC Supplemental Pre-Demolition Survey for Hazardous Building Materials

FIGURE 1

SITE LOCATION MAP

SCALE 1:24000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 10 FEET

QUADRANGLE LOCATION

ONEIDA, N.Y.
SW/4 ONEIDA 15' QUADRANGLE
43075-A6-TF-024
1955
REVISED 1993
DMA 5870 II SW - SERIES V821

MAP OBTAINED THROUGH USE OF MAPTECH TERRAIN NAVIGATOR PRO SOFTWARE.

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY: HD
DRAWN BY: HD
CHECKED BY: MS
DATE: MARCH 2013
SCALE: AS SHOWN
PROJECT NUMBER: 198432.0000.0000

PROJECT NAME:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAZ-O-WASTE SITE
4123 CANAL ROAD
WAMPSVILLE, NEW YORK

DRAWING TITLE:
SITE LOCATION MAP

FIGURE
1

Path Name: I:\Projects\NYSDEC\Assignments\WA #9 – Haz-O-Waste Design\Figures\TRC Working Drawings\Figure 1 – Site Location Map.dwg – Date\Time: Tue, 12 Mar 2013 – 2:13pm – User Name: hdelgado – Layout Tab: 8.5X11

ATTACHMENT A

SITE INSPECTION PHOTOGRAPHS

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

			
Photo 01	Haz-O-Waste Building; main entrance, parking and overhead service door, looking north.	Photo 02	Exposed windows with no glass or pane located on eastern wall of building.
			
Photo 03	Close up view of column. Structural elements of exterior building shell.	Photo 04	Concrete block that serves as column support on east side of building. Left: Photo shows inside metal building wall. Right: Shows concrete block protruding outside of metal building wall.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

Photo 05	Stained concrete floor slab in Truck Unloading Pad Area.

Photo 06	Loading Dock raised approximately four (4) feet above Truck Unloading Pad. Files within trailers.

Photo 07	Former hazardous waste storage tanks (previously emptied and cleaned) in Tank Room.

Photo 08	Left: columns and overhead truss construction in unloading area. Right: Existing forklift and trailer.

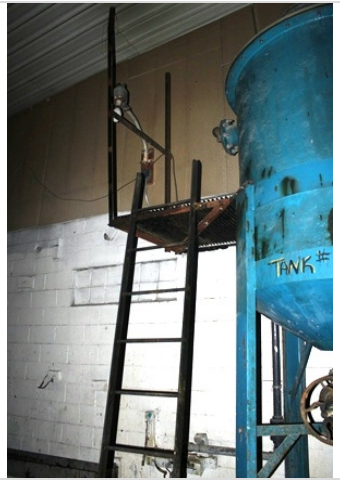
PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

			
Photo 09	Transfer pumps mounted to wall in Tank Room.	Photo 10	Ramp to Loading Dock.
			
Photo 11	Concrete block steps up to Halogenated Staging Area.	Photo 12	Overhead construction of Halogenated Staging Area.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

	 	
Photo 13	Left: Hallway between Labpack Staging and Consolidation rooms. Concrete walkway is sloped toward building entrance. Right: Wall staining and broken glass within Halogenated Staging Area.	
		
Photo 14		Halogenated Staging Area, looking south toward entrance door of building.
		
Photo 15	Concrete drop-off from Halogenated Staging Area.	
		
Photo 16		Steep concrete stairs from Halogenated Staging Area to Bases and Non-Acute Solids/Sludges Staging Area.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY	TRC Contract/WA No.: Date:	D007620-9 02-04-2013	TRC

	Photo 17	Step up into Lab Pack Staging and Consolidation Area No. 1 from unloading area (approximately 30" in height). Concrete core on the left shows the floor slab thickness in the unloading area.	
 	Photo 18	Concrete flooring and curb/berm.	
	Photo 19	Floor staining near a drum crushing device.	
 	Photo 20	Aqueous Treatment Area wall and existing tank. The existing tank was previously emptied and cleaned.	

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY	TRC Contract/WA No.: Date:	D007620-9 02-04-2013	TRC

			
Photo 21	Stick-up monitoring well, northwest corner of building.	Photo 22	Overhead steel connection, northwest side of building.
			
Photo 23	Compressor.	Photo 24	Skid mounted soil-vapor extraction (SVE) systems. Each SVE system includes a Rotron Model EN858BD72WL blower and Solberg Model No. CSL-851-250HC vacuum filter.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY	TRC Contract/WA No.: Date:	D007620-9 02-04-2013	TRC

			
Photo 25	Concrete footing and pre-fabricated metal wall. The wall does not extend to the ground surface. Therefore, the building is not fully enclosed.	Photo 26	Frost-Fighter forced-air heating system portable heater.
			
Photo 27	Overhead steel truss supporting new metal building structure.	Photo 28	Overhead steel truss near electrical room and boiler room.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

			
Photo 29	Boiler Room doorway opens to western side of building. The entrance/exit slopes down into room. Boiler on concrete pad.	Photo 30	Boiler Room concrete slab elevation lower than entrance. Fuel oil-fired building heating system. The fuel oil tank was previously removed.
			
Photo 31	Office in southwest corner of building; deteriorating roof.	Photo 32	Office in southwest corner of building; mold on walls.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY	TRC Contract/WA No.: Date:	D007620-9 02-04-2013	

			
Photo 33	Utility Room near southwest corner of building. The electrical panels have been partially dismantled.	Photo 34	Utility Room water service connection with evidence of mold.
			
Photo 35	Electrical components on wall of Utility Room. Truss construction and partial insulation runs through the room and cut overhead wires remain in place.	Photo 36	Utility Room. Electrical panels on wall and raceways out of the room.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY	TRC Contract/WA No.: Date:	D007620-9 02-04-2013	

Photo 37 — Overhead ceiling insulation in southwest area of building.

Photo 38 — Left: Overhead construction near Laboratory and Office Supplies Room. Right: Exit to southwest side of building (apparent mold at the base of drywall).

Photo 39 — Laboratory, with Hewlett Packard HP 5890 Series H Gas Chromatograph.

Photo 40 — Mold in Laboratory.

PHOTOGRAPHIC RECORD			
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY	TRC Contract/WA No.: Date:	D007620-9 02-04-2013

Photo 41 Office Supply Room with staining of floor.

Photo 42 Office Supply Room with overhead wall deterioration.

Photo 43 Office in southwest corner with mold on wall.

Photo 44 Office in southwest corner with ceiling deterioration.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

	 	
Photo 45	Left: Building column near main entrance to building. Right: Exposed soil within building envelope.	

		
Photo 46	Hot water heater between Men and Women's Locker rooms.	

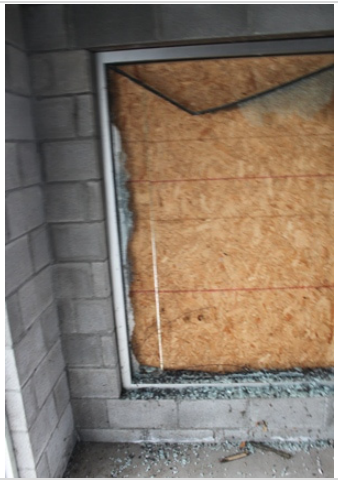
	 	
Photo 47	Left: Front entrance boarded, broken glass remains. Right: Electrical panels on the exterior wall of wood frame of building near the Conference Room. Electrical boards contain asbestos.	

		
Photo 48	Building entrance and Reception Area. Windows are boarded.	

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY	TRC Contract/WA No.: Date:	D007620-9 02-04-2013	TRC

	Photo 49	Four aboveground pipes co-located with a sanitary cleanout within the main entrance vestibule area of the building.	
	Photo 50	Stormwater collection trench located along the west side of the building looking south.	
	Photo 51	Culvert that conveys stormwater from the drainage ditch along Canal Road to the Site looking north.	
	Photo 52	Catch basin.	

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

			
Photo 53	Catch basin next to the stormwater collection trench. This catch basin receives discharge from the stormwater collection trench and the catch basin to the south.	Photo 54	Stormwater transferred north to the Site farmland.
			
Photo 55	Farmland near remediation area.	Photo 56	Existing out-of service electrical box and conduit on the west side of the building.

PHOTOGRAPHIC RECORD				
Client: Address:	NYSDEC (Site No. 727003) – Building Demolition Evaluation 4123 Canal Rd, Wampsville, NY		TRC Contract/WA No.: Date:	D007620-9 02-04-2013

Photo 57: Overhead service lines and transformers connecting to a typical wooden utility pole on the north side of Canal Road.

Photo 58: Overhead service line on the north side of Canal Road. Metal utility pole attached to the southwest corner of the building.

Photo 59: Unlabeled 24” diameter manhole near the vestibule on the south side of the Building.

Photo 60: Unlabeled manhole interior containing standing water, an inoperable sump pump, and a 2-inch discharge pipe oriented toward the drainage ditch stormwater catch basin.

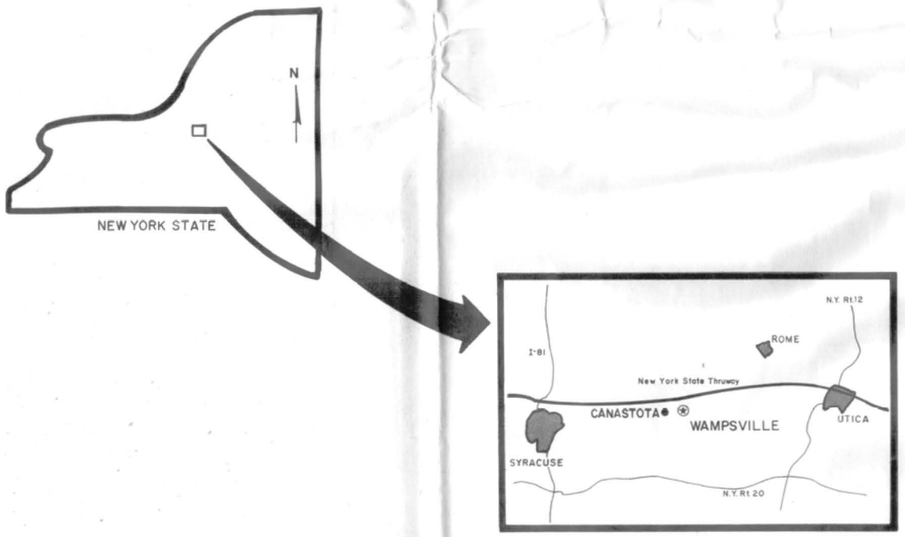
ATTACHMENT B

TOWN OF LENOX HISTORICAL BUILDING DRAWINGS

FACILITY PLANS
FOR
NORTHEAST ENVIRONMENTAL SERVICES, INC.
HAZARDOUS WASTE
TREATMENT AND STORAGE FACILITY

WAMPSVILLE, NEW YORK

JUNE, 1986
REVISED OCTOBER, 1989



LIST OF DRAWINGS

SHEET NO.	DESCRIPTION	FILE NO.
1	TITLE SHEET	8658A21
2	TOPOGRAPHIC SURVEY	8658A22
3	EXISTING FLOOR PLAN, AREA TITLES & DIMENSIONS	8658A23
4	PROPOSED FLOOR PLAN, DRUM STAGING, TANK LAYOUT & PROCESS PIPING	8658A24
5	SAFETY EQUIPMENT & SECONDARY CONTAINMENT	8658A25
6	PROPOSED FLOOR PLAN - FIRE PROTECTION SYSTEM	8658A26
7	PROPOSED STORAGE TANK - PLAN & DETAILS	8658A27
8	PROPOSED ELEMENTARY NEUTRALIZATION SYSTEM, CYNAIDE STAGING PLAN & DETAILS	8658A28
9	EXISTING TRUCK UNLOADING PAD - PLAN & DETAILS	8658A29

CONTACT SUPPLY

NO.	REVISION	BY	DATE
1	REVISED LIST OF DWGS	S.D.M.	2/6/87
2	MISC. REV.	T.R.	10/89

LABELLA
Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

BY John P. Ostrelay
PE. 057565 DATE 2-5-87

PROJECT TITLE
NORTHEAST ENVIRONMENTAL SERVICES, INC.
HAZARDOUS WASTE TREATMENT & STORAGE FACILITY
WAMPSVILLE, N.Y.

DRAWING TITLE
TITLE SHEET

STATE OF NEW YORK · THOMAS J. RUGGIERI · LICENSED PROFESSIONAL ENGINEER

BY Thomas Ruggieri
PE. 065073 DATE 11/1/89

DESIGNED BY:	M. SS.
DRAWN BY:	I. L. M.
CHECKED BY:	J. P. O. - T. R.
APPROVED BY:	J. P. O. - T. R.
FIELD BOOKS —	PROJECT NO. 8658 A
SCALE: —	DWG. NO. 1
DATE: JUNE, 1986	
FILE NO. 8658A21	SHEET 1 OF

MAGNETIC NORTH
1980

FARM LAND

WP 9D
WP 13
WP 9
WP E
WP 6D
WP 6
WP 2
WP 2D
WP 10D
WP 10
WP 8
WP 8D
WP D
WP 4
WP 4D
WP 5
WP 5D
WP 3
WP 3D
WP C
WP 12
WP 11D
WP 11

756.06' S 21° 28' 14" E
206.17' N 68° 21' 00" E
749.58' N 21° 28' 14" W
206.25' S 70° 09' 00" W

3.563± ACRES

EXISTING CHAIN LINK FENCE
GRAVEL AREA
20' ENTRANCE GATE
40' ENTRANCE GATE
LOADING DOCK
UNLOADING PAD
ROOF OVERHANG
PARKING AREA
PROPOSED OUTER STAGING AREA
EXISTING BUILDING
PROPOSED CYANIDE STAGING AREA
EXISTING CHAIN LINK FENCE
PROPERTY LINE
CENTERLINE
50 FT. DRAINAGE DITCH
CENTERLINE of DRAINAGE DITCH
(DRAINAGE DITCH APPROXIMATE'S BOUNDRY LINE)
CENTER of CANAL ROAD
EDGE of PAVEMENT
NOMINAL SOUTHERLY EDGE OF TOWPATH
NOMINAL EDGE OF CANAL WATER LINE
NOMINAL NORTHERLY EDGE OF TOWPATH
CANAL ROAD
CANAL TOWPATH
ERIE CANAL
CENTER of DRAINAGE DITCH
CONCRETE HEADWALL INV. 97.77
CULVERT INVERT 97.58
POWER POLE
EXISTING FIRE HYDRANT
380'±
FLOW

LEGEND

- EXISTING PROPERTY LINE
- EXISTING FENCE LINE
- EXISTING GROUND CONTOUR
- WP 3D EXISTING DEEP MONITORING WELL & NUMBER
- WP 3 EXISTING SHALLOW MONITORING WELL & NUMBER
- WP 12 EXISTING PIEZOMETER
- EXISTING DRAINAGE DITCH
- EXISTING BUILDING
- PROPOSED ADDITIONS

GENERAL NOTES

1. CONTOURS ARE INTERPOLATIONS OF SURVEY SHOTS AND SHOULD BE CONSIDERED AS SUCH.
2. BENCH MARK: NORTHEAST CORNER OF CONCRETE HEADWALL LOCATED AT THE SOUTHWEST CORNER OF NORTHEAST ENVIRONMENTAL SERVICES, INC. (SEE DWG. NO. 3) ELEVATION = 100.0' (ASSUMED)
3. WELL LOCATIONS ARE APPROXIMATE

STATE OF NEW YORK · THOMAS J. RUGGIERI · 065073 · LICENSED PROFESSIONAL ENGINEER

BY Thomas Ruggieri
P.E. 065073 DATE 11/1/89

NO.	REVISION	BY	DATE
1	MISC. REV.	T.R.	10/89

LABELLA Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

BY John P. Osterberg
P.E. 057565 DATE 2-5-87

PROJECT TITLE

NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

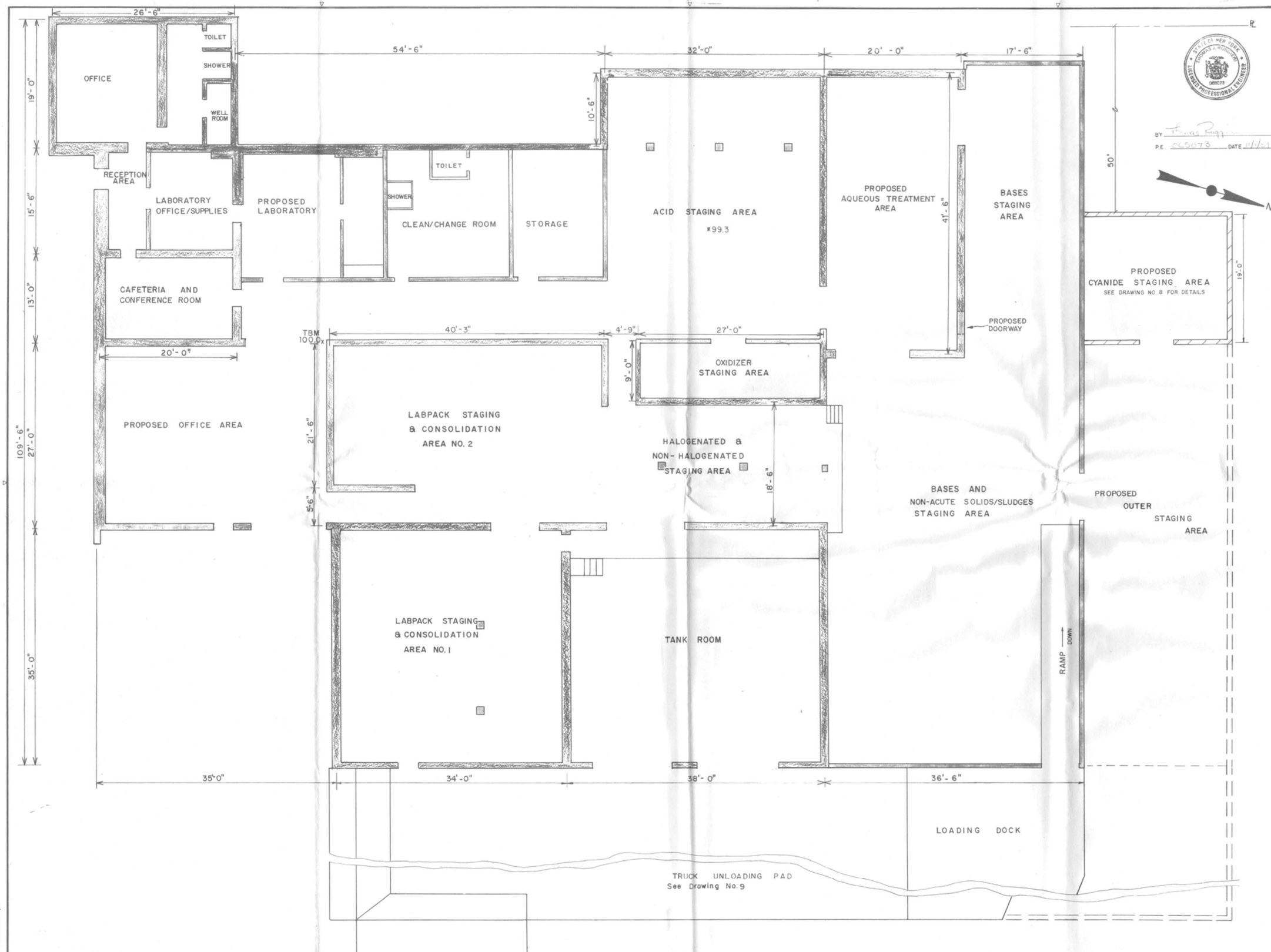
WAMPSVILLE, N.Y.

DRAWING TITLE

TOPOGRAPHIC SURVEY

DESIGNED BY:	M.S.S.
DRAWN BY:	R.G.M.
CHECKED BY:	J.P.O. - T.R.
APPROVED BY:	J.P.O. - T.R.
FIELD BOOKS —	PROJECT NO. 8658 A
SCALE: 1" = 30'	DWG. NO. 2
DATE: JUNE, 1986	
FILE NO. 8658A22	SHEET 2 OF

CONTACT SUPPLY



NO.	REVISION	BY	DATE
1	ADD PROPERTY LINE	S.D.M.	2/3/87
2	ADD CONF. ROOM DOOR AND MISC. NOTES	S.D.M.	2/6/87
3	MISC. REV.	T. R.	10/89

STATE OF NEW YORK — THOMAS J. RUGGIERO — 065073 — LICENSED PROFESSIONAL ENGINEER

BY Thomas Ruggiero
P.E. 065073 DATE 11/1/89

LABELLA Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

STATE OF NEW YORK — JOHN P. OSTERBERG — 057565 — LICENSED PROFESSIONAL ENGINEER

BY John P. Osterberg
P.E. 057565 DATE 2-5-87

PROJECT TITLE

NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

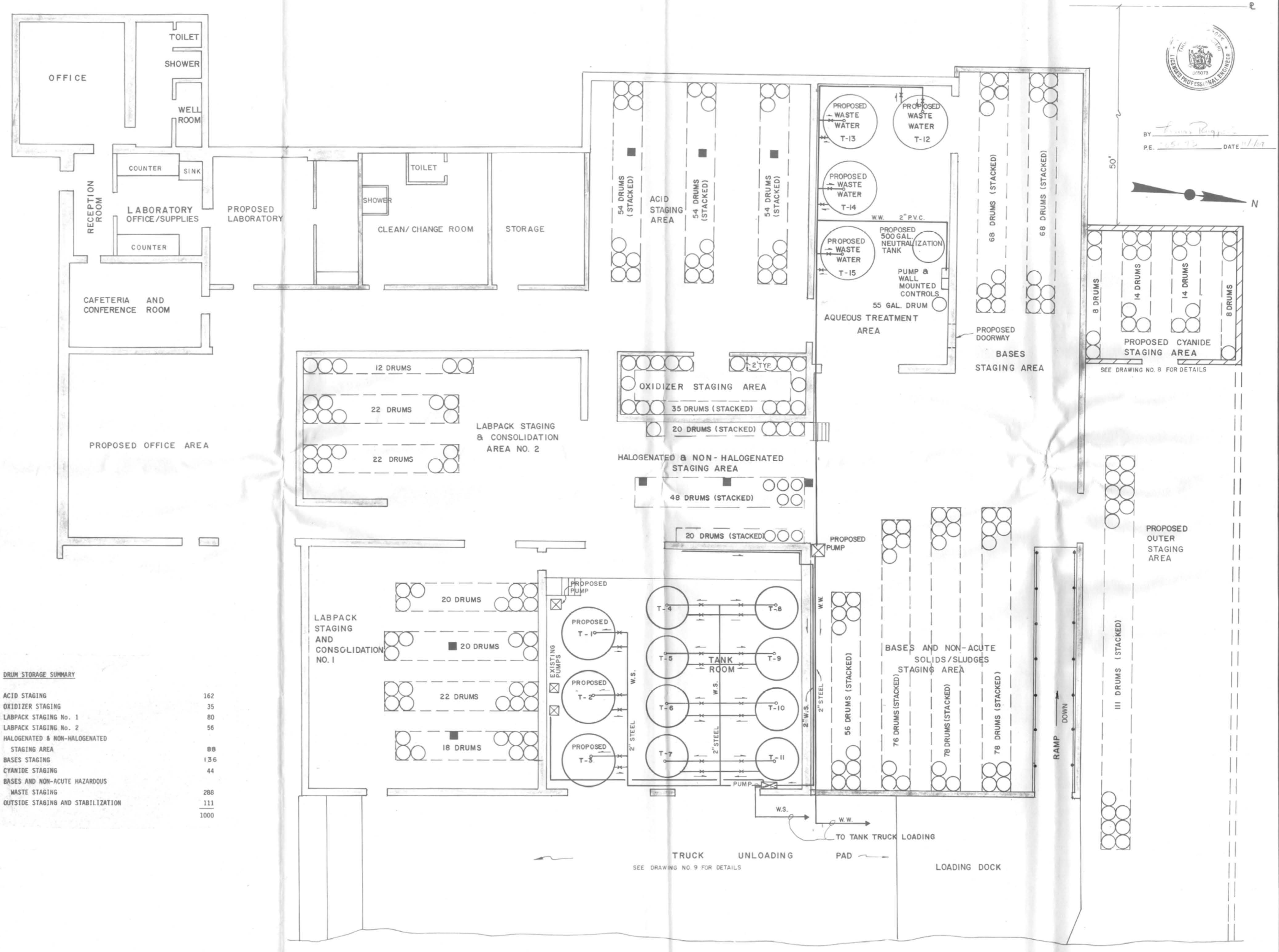
WAMPSVILLE, N.Y.

DRAWING TITLE

EXISTING FLOOR PLAN, AREA TITLES & DIMENSIONS

DESIGNED BY:	M.S.S
DRAWN BY:	R.G.M.
CHECKED BY:	J.P.O. -T.R.
APPROVED BY:	J.P.O. -T.R.
FIELD BOOKS	PROJECT NO. 8658A
SCALE: 1"=6'	DWG. NO. 3
DATE: JUNE, 1986	
FILE NO. 8658A23	SHEET 3 OF

CONTACT SUPPLY



DRUM STORAGE SUMMARY

ACID STAGING	162
OXIDIZER STAGING	35
LABPACK STAGING No. 1	80
LABPACK STAGING No. 2	56
HALOGENATED & NON-HALOGENATED STAGING AREA	88
BASES STAGING	136
CYANIDE STAGING	44
BASES AND NON-ACUTE HAZARDOUS WASTE STAGING	288
OUTSIDE STAGING AND STABILIZATION	111
	1000

NO.	REVISION	BY	DATE
1	ADD PROPERTY LINE	S.D.M.	2/3/87
2	ADD CONF. ROOM DOOR AND MISC. NOTES	S.D.M.	2/6/87
3	MISC. REV.	T. R.	10/89

BY [signature]
P.E. [illegible] DATE 11/1/89

LABELLA Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

BY [signature]
P.E. 057565 DATE 2-5-87

PROJECT TITLE

NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

WAMPSVILLE, N.Y.

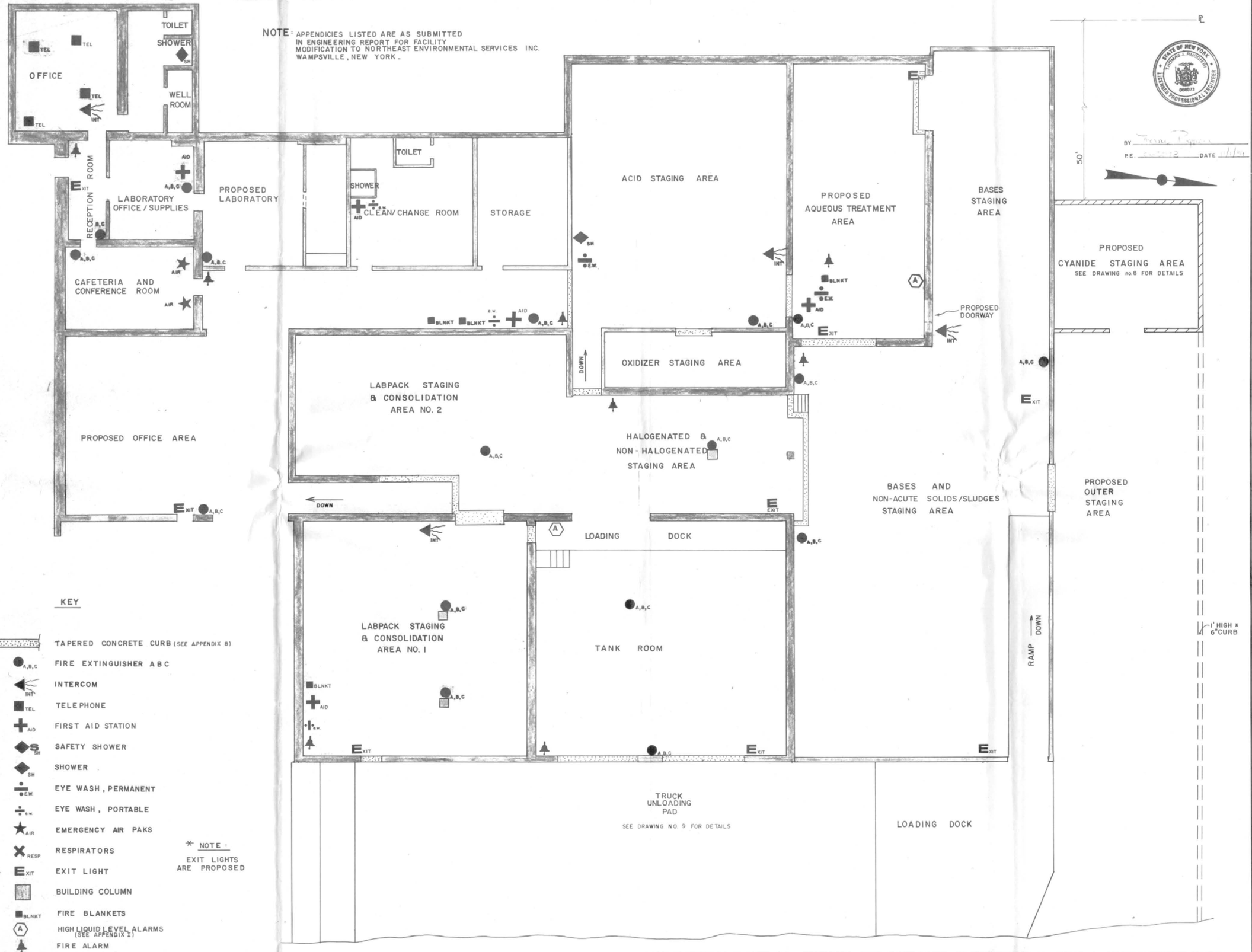
DRAWING TITLE

PROPOSED FLOOR PLAN, DRUM STAGING, TANK LAYOUT & PROCESS PIPING

DESIGNED BY: M.S.S.
DRAWN BY: M.A.V.
CHECKED BY: J.P.O. - T.R.
APPROVED BY: J.P.O. - T.R.

FIELD BOOKS	PROJECT NO.
—	8658A
SCALE: 1" = 6'-0"	DWG. NO.
DATE: JUNE, 1986	4
FILE NO. 8658A24	SHEET 4 OF

NOTE: APPENDICIES LISTED ARE AS SUBMITTED IN ENGINEERING REPORT FOR FACILITY MODIFICATION TO NORTHEAST ENVIRONMENTAL SERVICES INC. WAMPSVILLE, NEW YORK.



KEY

- TAPERED CONCRETE CURB (SEE APPENDIX B)
- FIRE EXTINGUISHER ABC
- INTERCOM
- TELEPHONE
- FIRST AID STATION
- SAFETY SHOWER
- SHOWER
- EYE WASH, PERMANENT
- EYE WASH, PORTABLE
- EMERGENCY AIR PAKS
- RESPIRATORS
- * EXIT LIGHT
- BUILDING COLUMN
- FIRE BLANKETS
- HIGH LIQUID LEVEL ALARMS (SEE APPENDIX I)
- FIRE ALARM

* NOTE: EXIT LIGHTS ARE PROPOSED

CONTACT SUPPLY CO.

NO.	REVISION	BY	DATE
1	ADD PROPERTY LINE	S.D.M.	2/3/87
2	ADD CONF. ROOM DOOR AND MISC. NOTES	S.D.M.	2/6/87
3	MISC. REV.	T.R.	10/89

STATE OF NEW YORK THOMAS L. RUDDEN 060073 LICENSED PROFESSIONAL ENGINEER

BY _____ P.E. _____ DATE 11/89

It is a violation of the New York Education Law, Article 145 Sec. 7209, for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way. If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

LABELLA Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

STATE OF NEW YORK JOHN P. OSTASZEJ 057565 PROFESSIONAL ENGINEER

BY John P. Ostaszej

P.E. 057565 DATE 2-5-87

PROJECT TITLE

NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

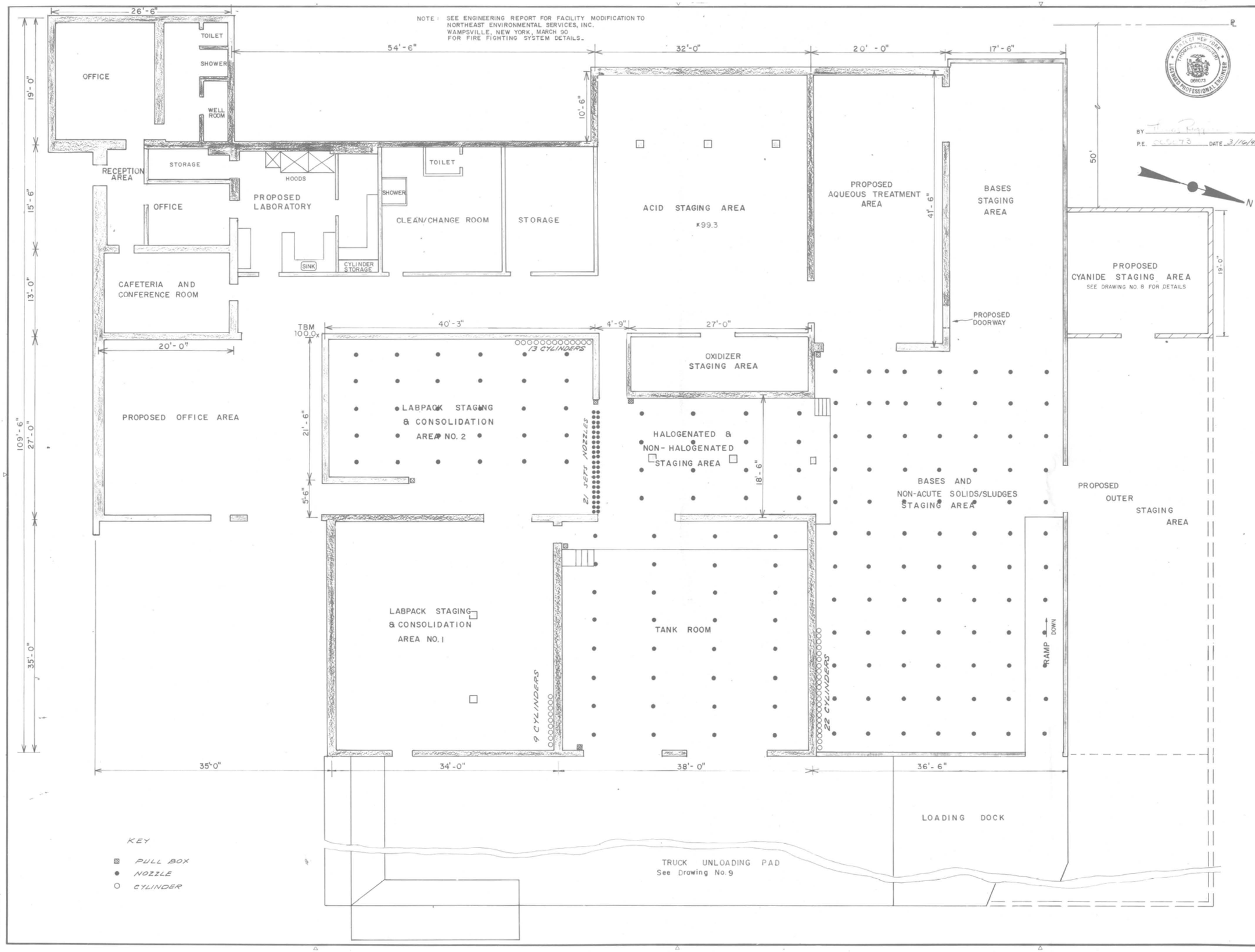
WAMPSVILLE, N.Y.

DRAWING TITLE

SAFETY EQUIPMENT AND SECONDARY CONTAINMENT

DESIGNED BY:	M.S.S.
DRAWN BY:	R.G.M.
CHECKED BY:	J.P.O. – T.R.
APPROVED BY:	J.P.O. – T.R.
FIELD BOOKS —	PROJECT NO. 8658A
SCALE: 1" = 6'	DWG. NO. 5
DATE: JUNE, 1986	
FILE NO. 8658A25	SHEET 5 OF

NOTE: SEE ENGINEERING REPORT FOR FACILITY MODIFICATION TO NORTHEAST ENVIRONMENTAL SERVICES, INC. WAMPSVILLE, NEW YORK, MARCH 90 FOR FIRE FIGHTING SYSTEM DETAILS.



NO.	REVISION	BY	DATE
1	ADD PROPERTY LINE	S.D.M.	2/3/87
2	ADD CONF. ROOM DOOR AND MISC. NOTES	S.D.M.	2/6/87
3	MISC. REV.	T. R.	3/90

BY T. R. Ring
P.E. 065573 DATE 3/16/90

LABELLA Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

BY John P. Osterberg
P.E. 057565 DATE 2-5-87

PROJECT TITLE

NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

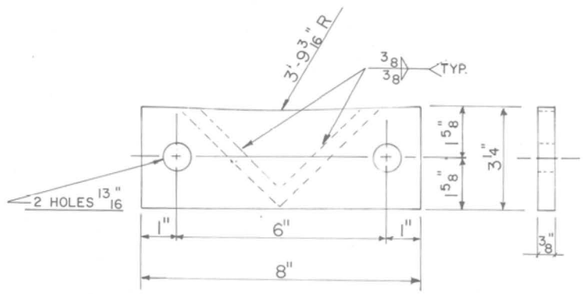
WAMPSVILLE, N.Y.

DRAWING TITLE

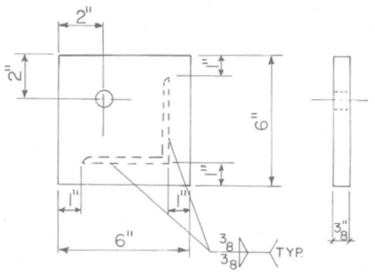
PROPOSED FLOOR PLAN

FIRE PROTECTION SYSTEM

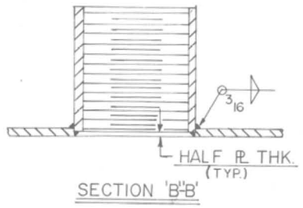
DESIGNED BY:	M.S.S
DRAWN BY:	R.G.M.
CHECKED BY:	J.P.O. -T.R.
APPROVED BY:	J.P.O. -T.R.
FIELD BOOKS	PROJECT NO. 8658A
SCALE: 1"=6'	DWG. NO. 6
DATE: JUNE, 1986	
FILE NO. 8658A26	SHEET 6 OF



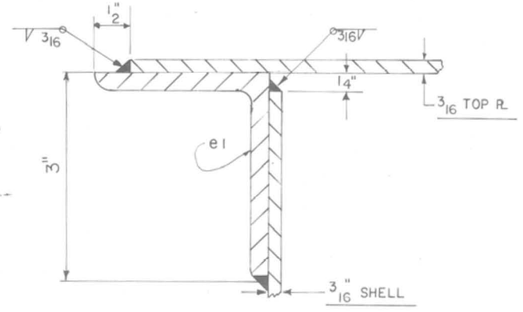
4 REQ'D. DETAIL 'B' aa1
4 REQ'D. DETAIL 'C' (SAME DIM. NO RAD.) bb1



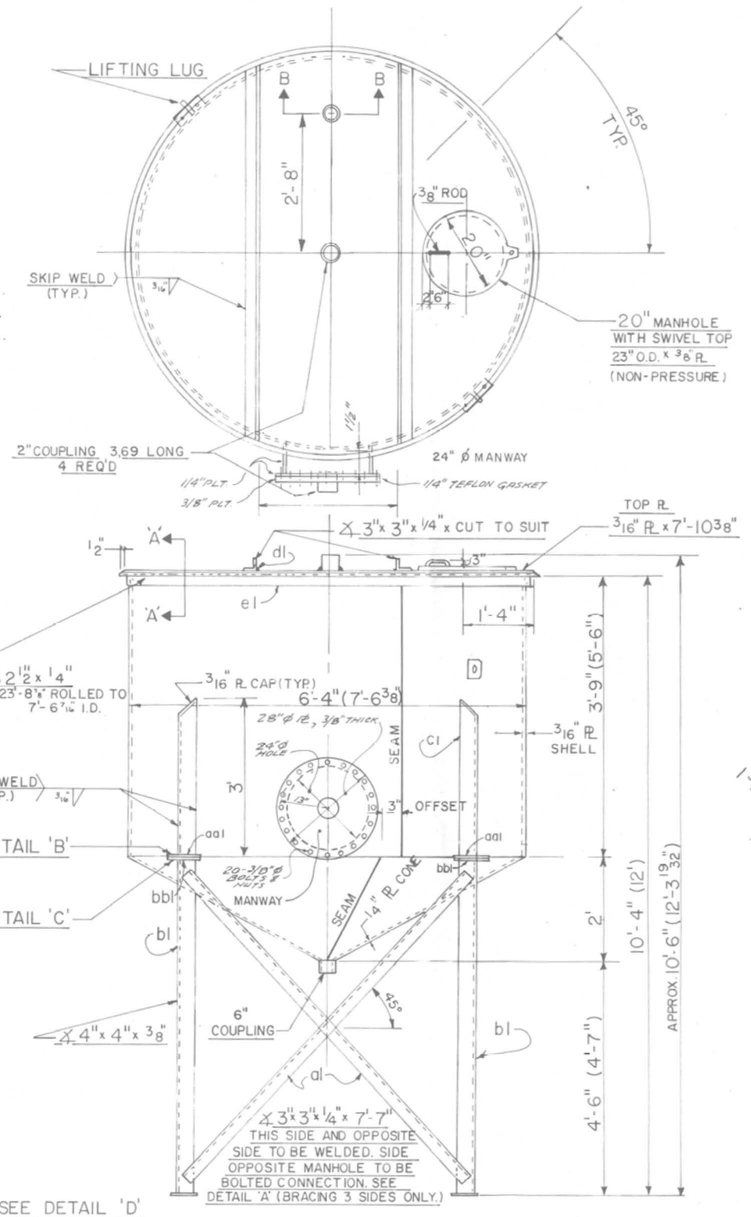
DETAIL 'D' 4 REQ'D



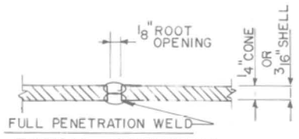
SECTION 'B"B'



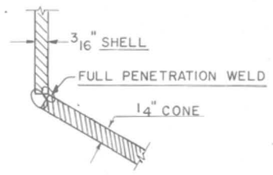
SECTION 'A'-'A'



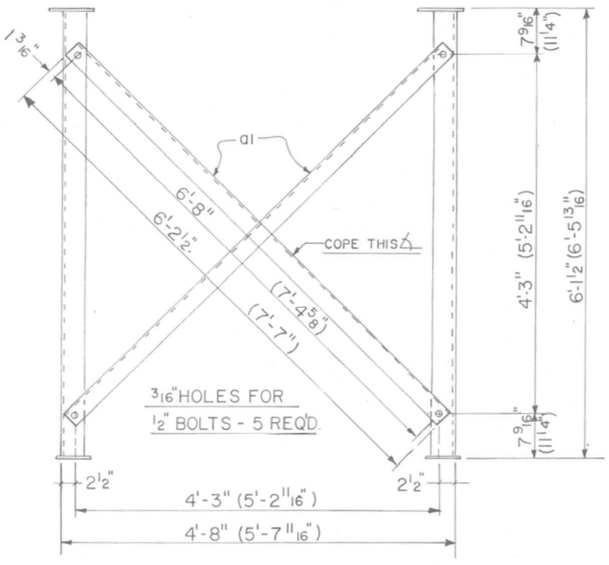
SEE DETAIL 'D'



TYPICAL JOINT DETAIL
LONGITUDINAL SEAM
NOTE: BACK GOUGE ROOT BEFORE WELDING SECOND SIDE.



SHELL TO CONE DETAIL



DETAIL 'A'

aa1	4 ea.	PL	3 1/4" x 3/8" x 0'-8"	USE TEMP.
bb1	4 ea.	PL	3 1/4" x 3/8" x 0'-8"	
a1	6 ea.	∠	3" x 3" x 1/4" x 7'-7"	
b1	4 ea.	∠	4" x 4" x 3/8" x 6'-5 1/16"	
c1	4 ea.	∠	4" x 4" x 3/8" x 3'-0"	
d1	2 ea.	∠	3" x 3" x 1/4" x	CUT TO SUIT
e1	1 ea.	∠	3" x 2 1/2" x 1/4" x STR. OUT 23'-8 7/8" ROLL TO 7'-6 7/16" I.D.	

GENERAL NOTES

DYE CHECK ALL WELDS.
100% ALL WELDS JOINTS.
BUILT TO ASME STANDARDS.
4'-6" INDICATES 1000 GAL. TANK.
(4'-7") INDICATES 2000 GAL. TANK.

NO.	REVISION	BY	DATE
1	MISC. REV.	T.R.	3/90

BY Thomas J. Ruggieri
P.E. 065673 DATE 3/14/90

LABELLA Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

BY John P. Osterberg
P.E. 057565 DATE 2-5-87

PROJECT TITLE
NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

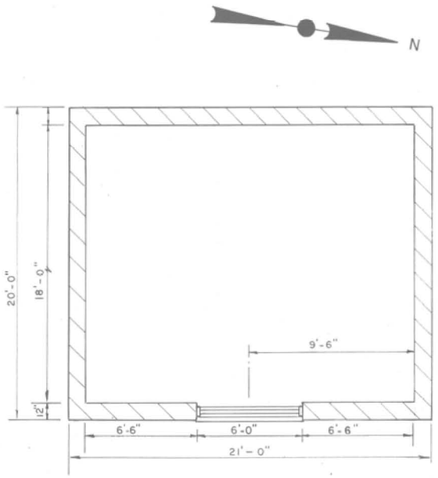
WAMPSVILLE, N.Y.

DRAWING TITLE
PROPOSED STORAGE TANK

PLAN & DETAILS

DESIGNED BY: J.P.O.	
DRAWN BY: I.L.M.	
CHECKED BY: J.P.O. – T.R.	
APPROVED BY: J.P.O. – T.R.	
FIELD BOOKS —	PROJECT NO. 8658 A
SCALE: NONE	DWG. NO. 7
DATE: JUNE 1, 1986	
FILE NO. 8658A27	SHEET 7 OF

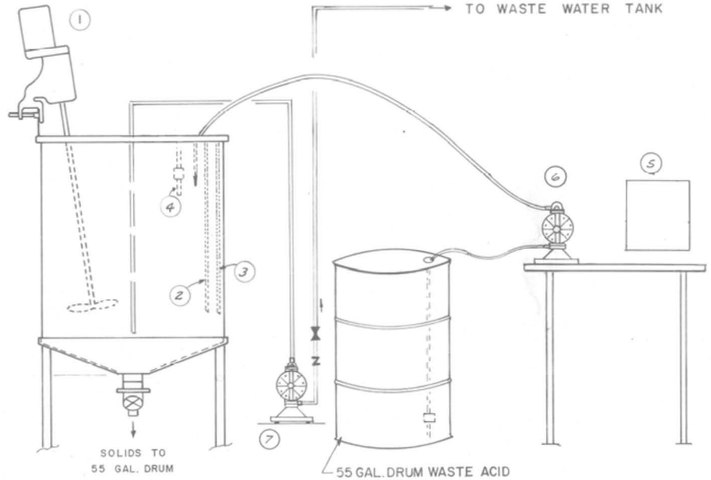
CONTACT SUPPLY



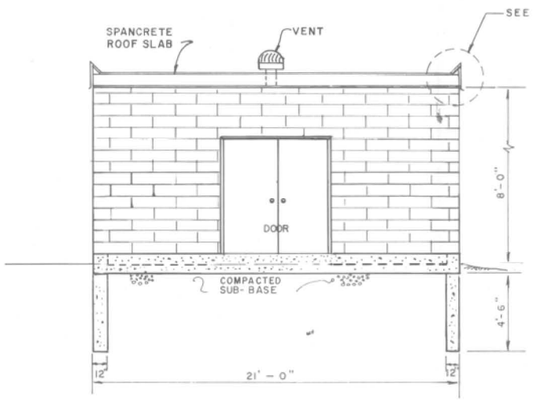
PLAN

EQUIPMENT LIST

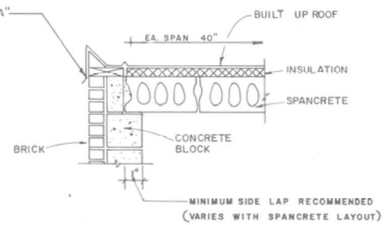
1) Mixer
2) pH Probe
3) Temperature Probe
4) High Level Float
5) Panel Box w/ pH Controller, Temperature Controller, Pump Control, Switches, Alarms, etc.
6) Metering Pump
7) Transfer Pump



500 GAL. FIBERGLASS ENCASED POLYETHYLENE TANK (WITH TOP)



EAST ELEVATION



SPANCRETE SIDE LAP DETAIL "A"
NO SCALE

CYANIDE STAGING AREA
SCALE: 1/4" = 1' - 0"
(SEE ENGINEERING REPORT, SECTION XI FOR DETAILS)

ELEMENTARY NEUTRALIZATION SYSTEM SCHEMATIC
(SEE APPENDIX F)

APPENDICIES LISTED ARE AS SUBMITTED IN ENGINEERING REPORT FOR FACILITY MODIFICATIONS TO NORTHEAST ENVIRONMENTAL SERVICES, INC.

BY Thomas J. Ruggiero
P.E. 065073 DATE 3/16/90

NO.	REVISION	BY	DATE
1	MISC. REV.	T.R.	3/90

LABELLA Engineering & Management

LaBella Associates, P.C.
339 EAST AVE.
ROCHESTER, N.Y. 14604
(716) 454-6110

BY John P. Ostrosky
P.E. 057565 DATE 2-5-87

PROJECT TITLE
NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

WAMPSVILLE, N.Y.

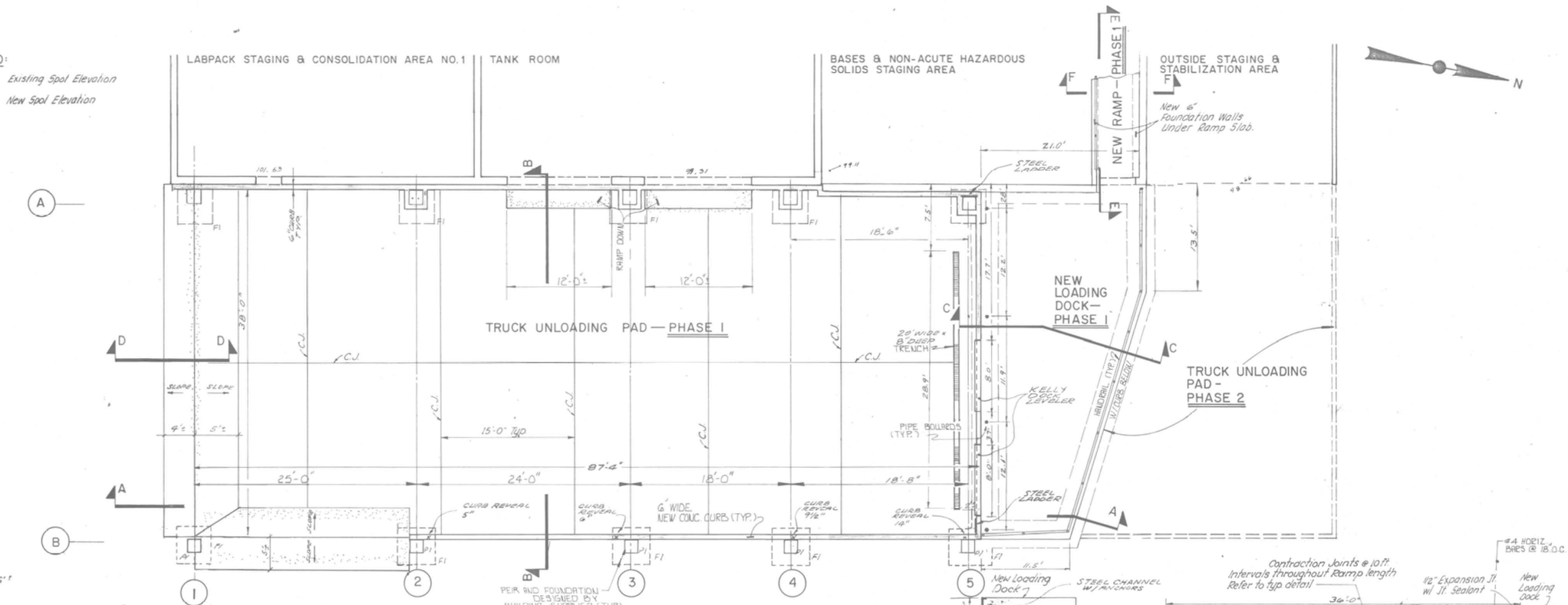
DRAWING TITLE
PROPOSED ELEMENTARY NEUTRALIZATION SYSTEM
— X —
CYANIDE STAGING PLAN & DETAILS

DESIGNED BY: M.S.S.	
DRAWN BY: I.L.M.	
CHECKED BY: J.P.O. - T.R.	
APPROVED BY: J.P.O. - T.R.	
FIELD BOOKS	PROJECT NO. 8658A
SCALE: 1/4" = 1'-0"	DWG. NO. 8
DATE: JUNE 1, 1986	
FILE NO. 8658A28	SHEET 8 OF

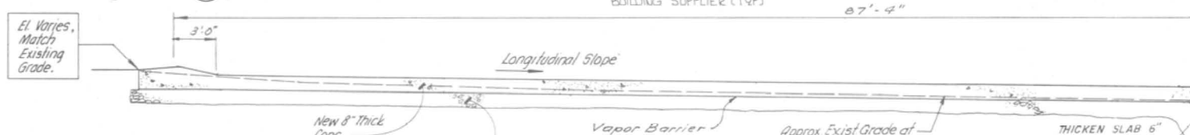
LEGEND:

99.11 Existing Spot Elevation

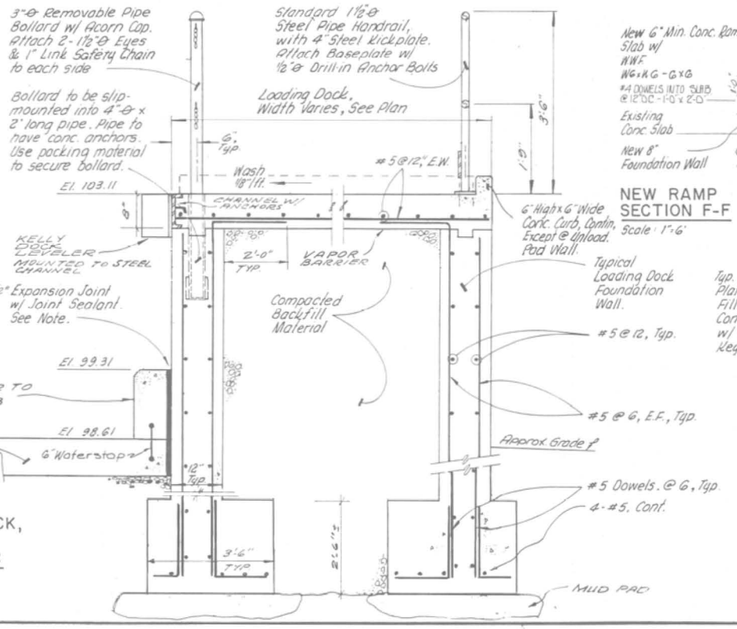
98.61 New Spot Elevation



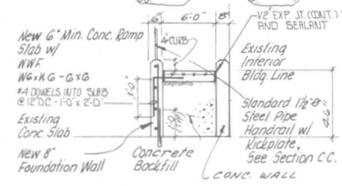
PLAN
Scale: 1"=6'-0"



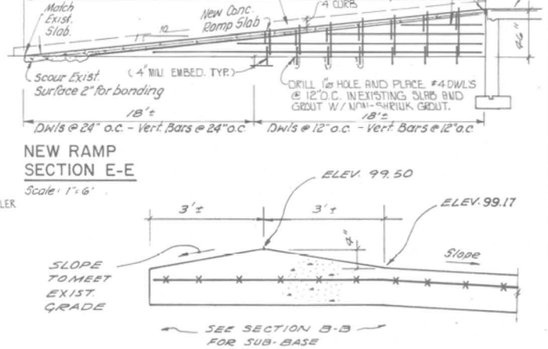
NEW TRUCK RAMP & LOADING DOCK SECTION A-A
Scale: 1"=6" Horiz.
1"=3" Vert.



NEW LOADING DOCK, TYPICAL SECTION C-C
N.T.S.

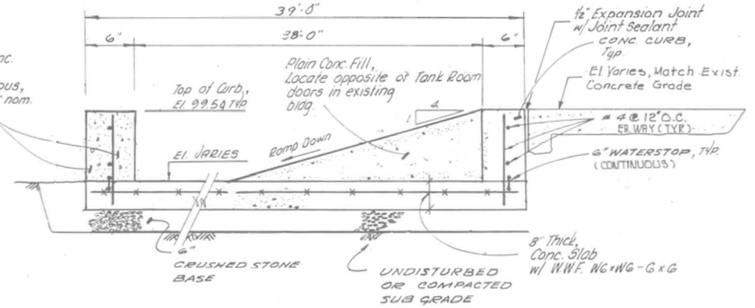


NEW RAMP SECTION F-F
Scale: 1"=6"



NEW RAMP SECTION E-E
Scale: 1"=6'

SECTION D-D
N.T.S.



NEW TRUCK RAMP SECTION B-B
N.T.S.

NOTES:

- ALL CONCRETE CLASS "A", MINIMUM 28 DAY COMPRESSIVE STRENGTH 4,000 PSI.
- ALL EXPOSED CONCRETE SURFACES COATED W/ DURAL 313. (By others).
- ALL CONCRETE JOINTS SEALED WITH DURAL SEAL POLYURETHANE JOINT SEALANT.
- ALL CONSTRUCTION & MATERIAL COMPLY WITH N.Y.S. D.O.T.'S "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIAL'S", LATEST EDITION.
- CUT EVERY OTHER WIRE IN W.W.F. AT CONTRACTION JT.
- HOIST CURE CONCRETE FOR MINIMUM OF 14 DAYS

NO.	REVISION	BY	DATE

LABELLA Engineering & Management

LaBella Associates, P.C.
300 STATE STREET
ROCHESTER, N.Y. 14604
(716) 454-6110

BY _____

PE. _____ DATE _____

PROJECT TITLE

NORTHEAST ENVIRONMENTAL SERVICES, INC.

HAZARDOUS WASTE TREATMENT & STORAGE FACILITY

CANASTOTA, N.Y.

DRAWING TITLE

RECORD DRAWING

TRUCK UNLOADING PAD

PLAN & DETAILS

DESIGNED BY:	
DRAWN BY:	L.T.
CHECKED BY:	T.R.
APPROVED BY:	
FIELD BOOKS	PROJECT NO. 89230
SCALE: AS NOTED	DWG. NO. 9
DATE: 3/90	
FILE NO. 8923009	SHEET 9 OF

PROPOSED FLOOR PLAN

1/8" = 1'-0"

NO.	REVISION	BY	DATE

LABELLA
Engineering, Architecture and Surveying

LaBella Associates, P.C.
300 STATE ST.
ROCHESTER, N.Y. 14614
(716) 454-6110

BY _____

LIC. NO. _____ DATE: _____

CLIENT
NORTHEAST ENVIRONMENTAL SERVICES, INC.

MOBIL CHEMICAL COMPANY
200 E. MAIN STREET
P.O. BOX 799
MACEDON, NEW YORK 14502

PROJECT NAME
PROPOSED ENCLOSURE OF EXISTING BUILDING

DRAWING TITLE
PROPOSED FLOOR PLAN

DESIGNED BY: ZM	
DRAWN BY: ZM	
CHECKED BY:	
APPROVED BY: TJR	
FIELD BOOKS	PROJECT NO. 92166
SCALE: 1/8"=1'-0"	DWG. NO. A-1
DATE: 12.23.92	
FILE NO. 9216G-01	SHEET OF

PROPOSED FRONT ELEVATION
SCALE: 1/8" = 1'-0"

NO.	REVISION	BY	DATE

LABELLA
Engineering, Architecture and Surveying

LaBella Associates, P.C.
300 STATE ST.
ROCHESTER, N.Y. 14614
(716) 454-6110

BY _____
LIC. NO. _____ DATE: _____

CLIENT
NORTHEAST ENVIROMENTAL SERVICES, INC.

PROJECT NAME
PROPOSED ENCLOSURE OF EXISTING BUILDING

TOWN OF LENOX
MADISON COUNTY

DRAWING TITLE
PROPOSED ELEVATION

DESIGNED BY: ZM	
DRAWN BY: ZM	
CHECKED BY:	
APPROVED BY: TJR	
FIELD BOOKS	PROJECT NO. 92166
SCALE: 1/8"=1'-0"	DWG. NO. A-2
DATE: 12-28-92	
FILE NO. 92166.01	SHEET OF

GENERAL SITE WORK NOTES

1. THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES, STRUCTURES, AND APPURTENANCES SHOWN ON THE PLAN ARE APPROXIMATE AND NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, STRUCTURES, AND APPURTENANCES IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK.
2. EXISTING SURVEY INFORMATION IS TAKEN FROM A SURVEY PERFORMED BY AND MAP PREPARED BY ROBERT A. BALDWIN, JR. DATED OCTOBER 23, 1989 REV. 12/7/89.
3. BENCHMARK - NORTHEAST CORNER OF CONCRETE HEADWALL LOCATED AT THE SOUTHWEST CORNER OF NORTHEAST ENVIRONMENTAL SERVICES, INC. ELEVATION ± 100.0' (ASSUMED).
4. CONTOURS ARE INTERPOLATIONS OF SURVEY SHOTS AND OTHER TOPOGRAPHICAL INFORMATION AND SHOULD BE CONSIDERED AS SUCH.
5. MONITORING WELL LOCATIONS ARE APPROXIMATE.
6. PROPERTY AND RIGHT-OF-WAY LINES SHOWN ON THE PLANS ARE TAKEN FROM RECORDS FURNISHED BY OTHERS.
7. OWNERS OF VARIOUS UTILITIES WITHIN THE RIGHT-OF-WAY WILL FIELD LOCATED AND MARK THE LOCATION OF THEIR FACILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE THEIR FACILITIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SITE AND HIGHWAY DRAINAGE AND ALL EROSION CONTROL MEASURES THROUGHOUT THE PERIOD OF CONSTRUCTION.
9. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
10. TOPSOIL INTENDED TO BE STOCKPILED LONGER THAN 30 DAYS SHALL BE SEEDED.
11. WATER SHALL NOT BE ALLOWED TO ACCUMULATE IN EXCAVATIONS AND SHALL BE DRAINED OR PUMPED AWAY TO EXISTING ESTABLISHED DRAINAGE CHANNELS.
12. SHEETING, IF REQUIRED DURING CONSTRUCTION, IS CONSIDERED PART OF THIS CONTRACT AND SHALL BE PROVIDED.

ZONING, BUILDING AND PARKING DATA

LAND AREA OF SITE: 3.532 ACRES

GROSS FLOOR AREA OF PROPOSED BUILDING:

STORAGE AND OFFICES:	20,000 SQ. FT.
TRUCK BAY:	5,600 SQ. FT.
	25,600 SQ. FT.

LOT COVERAGE (PERCENT):

BUILDING:	17% (25% ALLOWED)
LAWN WITH TREES AND LANDSCAPING:	2%
NATURAL MEADOW:	67%
GRAVEL PARKING & DRIVEWAYS:	14%
	100.00%

PARKING SPACES:

EMPLOYEE PARKING: (7 SPACES ARE ON OFFICE BLDG. SITE)	20 SPACES
RESERVED (H/C) PARKING:	2 SPACES
VISITORS:	2 SPACES
TOTAL:	24 SPACES

* ZONING REQUIRES 167 SPACES FOR A 20,000 SQ. FT. BUSINESS USE BUILDING
7 COMPANY VEHICLES WILL CONTINUE TO BE STORED WITHIN THE EXISTING FENCED AREA.

CURRENT ZONING: AGRICULTURAL/RESIDENTIAL

PROPOSED USE: BUSINESS/COMMERCIAL, GENERAL (SAME AS EXISTING)

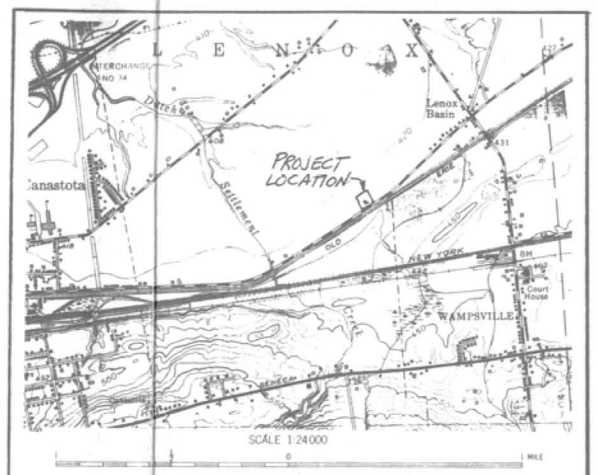
CANAL PARK SET-BACK FROM PARK BOUNDARY: 200 FT REQUIRED, 94 +/- FT. PROVIDED

SIDE SET-BACK: 40 FT REQUIRED, 41 FT. +/- PROVIDED ON EAST, 5 FT +/- PROVIDED ON WEST

REAR SET BACK: 50 FT REQUIRED, 500 +/- FT PROVIDED

GENERAL REQUIREMENTS:

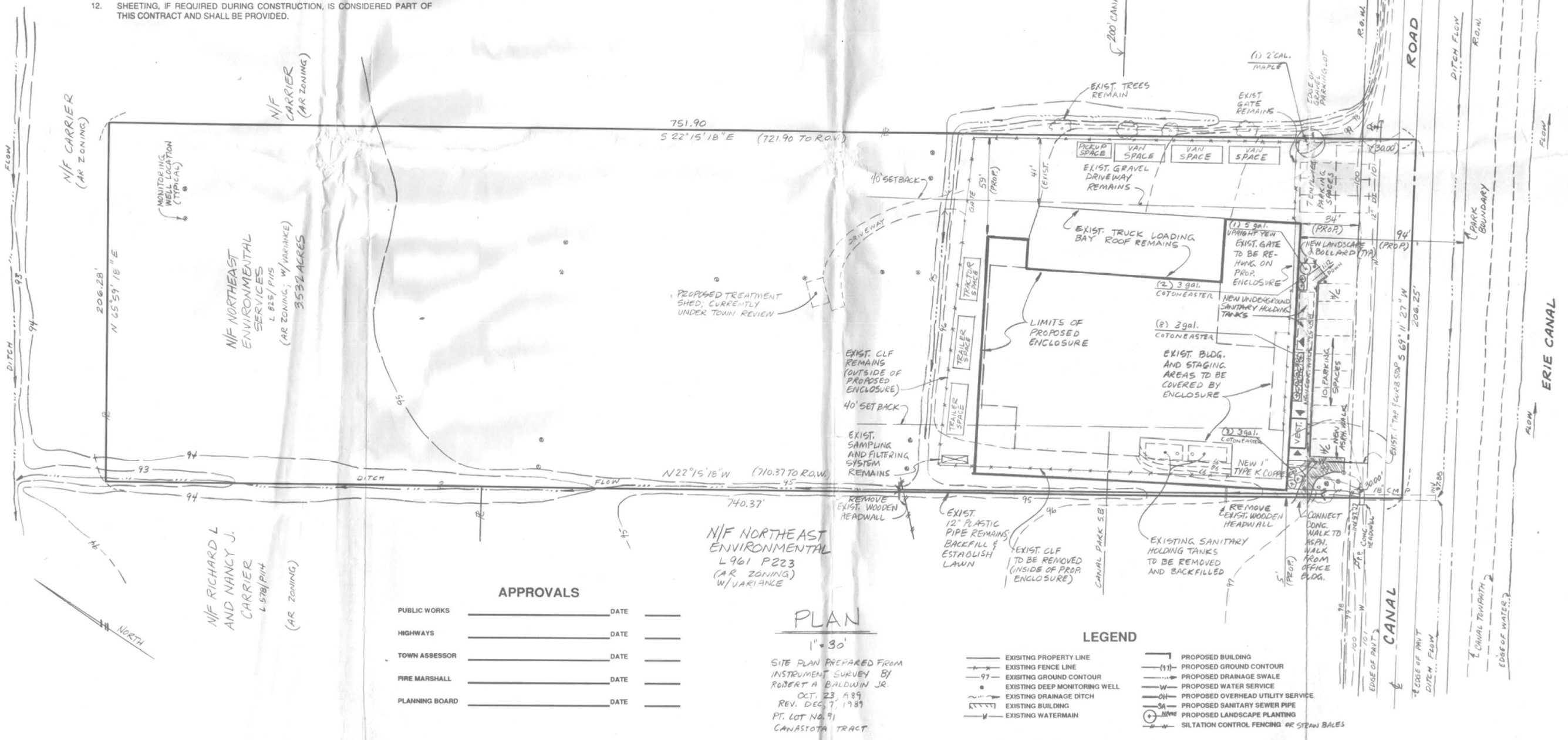
MIN LOT SIZE:	2 ACRES
MAX. BUILDING HEIGHT:	35 FT
MIN. FRONTAGE:	200 FT
MIN. LOT DEPTH	200 FT



LOCATION PLAN

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

ONEIDA QUADRANGLE NEW YORK 7.5 MINUTE SERIES (TOPOGRAPHIC) SW/4 ONEIDA 15' QUADRANGLE



APPROVALS

PUBLIC WORKS	DATE	
HIGHWAYS	DATE	
TOWN ASSESSOR	DATE	
FIRE MARSHALL	DATE	
PLANNING BOARD	DATE	

PLAN

1" = 30'

SITE PLAN PREPARED FROM INSTRUMENT SURVEY BY ROBERT A BALDWIN JR.
OCT. 23, 1989
REV. DEC. 7, 1989
PT. LOT NO. 91
CANASTOTA TRACT

LEGEND

- EXISITNG PROPERTY LINE
- EXISTING FENCE LINE
- EXISITNG GROUND CONTOUR
- EXISTING DEEP MONITORING WELL
- EXISTING DRAINAGE DITCH
- EXISTING BUILDING
- EXISTING WATERMAIN
- PROPOSED BUILDING
- PROPOSED GROUND CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED WATER SERVICE
- PROPOSED OVERHEAD UTILITY SERVICE
- PROPOSED SANITARY SEWER PIPE
- PROPOSED LANDSCAPE PLANTING
- SILTATION CONTROL FENCING OR STRAW BALES

NO.	REVISION	BY	DATE

LABELLA
Engineering, Architecture and Surveying

LaBella Associates, P.C.
300 STATE ST.
ROCHESTER, N.Y. 14614
(716) 454-6110

STATE OF NEW YORK — THOMAS J. RUGGIERI — LICENSED PROFESSIONAL ENGINEER — 065073

BY Thomas J. Ruggieri
LIC. NO. 065073 DATE: 12-21-92

CLIENT
NORTHEAST ENVIRONMENTAL SERVICES, INC.

PROJECT NAME
PROPOSED ENCLOSURE OF EXISTING BUILDING

TOWN OF LENOX
MADISON COUNTY

DRAWING TITLE
SITE PLAN

DESIGNED BY: KRF	
DRAWN BY: KRF	
CHECKED BY: TJR	
APPROVED BY: TJR	
FIELD BOOKS	PROJECT NO. 92166
SCALE: AS SHOWN	DWG. NO. S-1
DATE: 12-23-92	
FILE NO. 92166-01	SHEET 1 OF 2

CONTACT SUPPLY

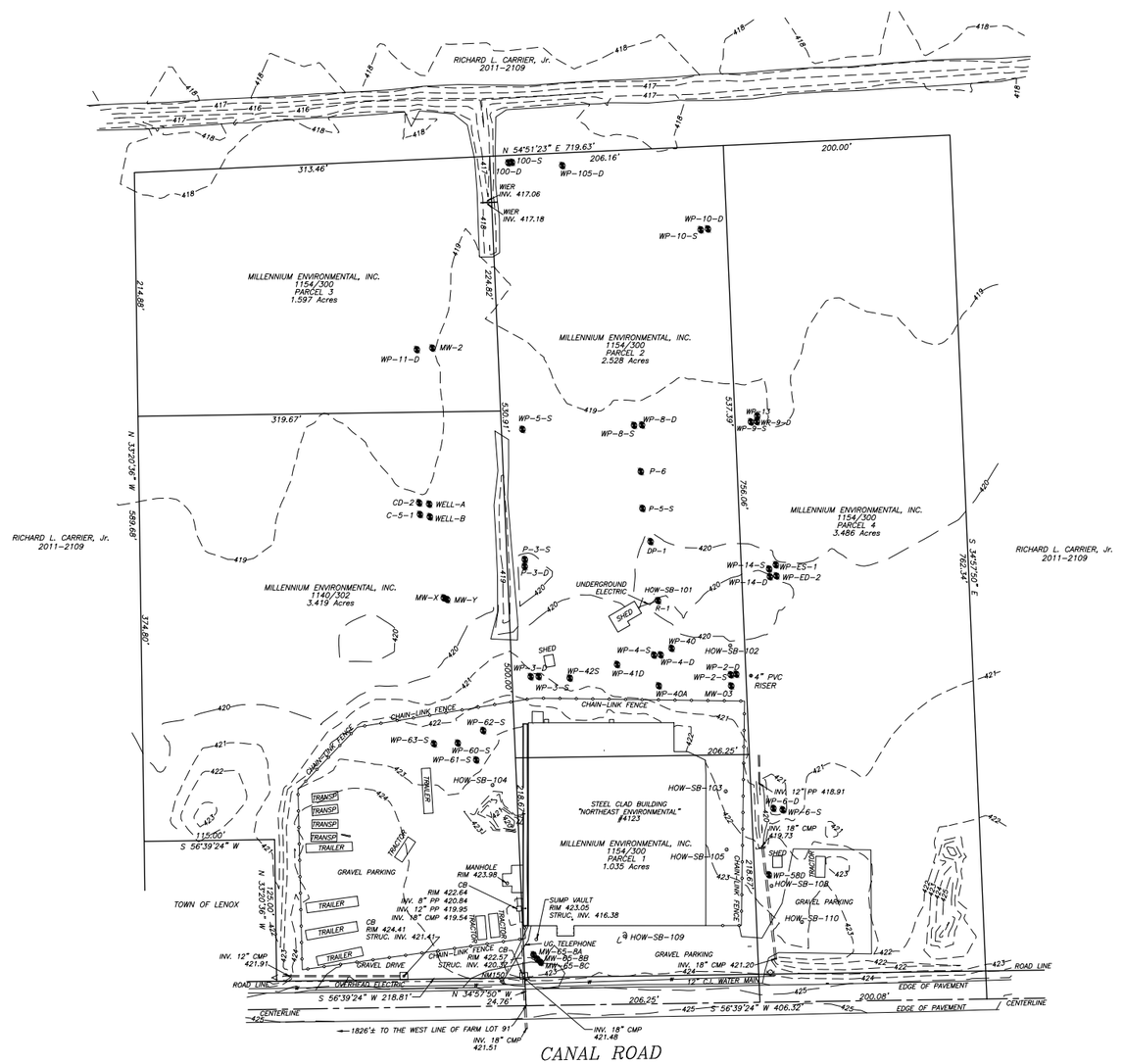
ATTACHMENT C

FEBRUARY 2013 SITE SURVEY DRAWINGS

WELL AND BORING ELEVATION TABLE

DESIGNATION	TOP OF CASING	GROUND/FLOOR/CAP
100-D	422.04	418.66
100-S	421.94	418.55
CD-2	421.00	419.08
C-5-1	422.25	419.22
DP-1	422.58	420.16
HOW-SB-101	–	420.23
HOW-SB-102	–	420.07
HOW-SB-103	–	421.66
HOW-SB-104	–	423.38
HOW-SB-105	–	422.50
HOW-SB-108	–	422.64
HOW-SB-109	–	422.97
HOW-SB-110	–	422.85
MW-X	422.89	419.46
MW-Y	422.87	419.38
MW-2	420.85	418.96
MW-3	422.96	420.67
MW-65-8A	423.19	423.39
MW-65-8B	422.95	423.31
MW-65-8C	422.89	423.23
P-3-D	422.54	420.26
P-3-S	422.88	420.14
P-5-S	422.58	419.53
P-6	422.58	419.14
R-1	421.39	419.87
SB-106*	–	422.79
SB-107*	–	422.99
SB-111*	–	422.14
WELL-A	421.37	419.10
WELL-B	421.26	419.22
WP-ES-1	422.93	420.06
WP-ED-2	423.05	420.07
WP-2-D	422.62	420.93
WP-2-S	422.96	420.59
WP-3-D	423.07	421.12
WP-3-S	421.94	421.13
WP-4-D	422.19	420.41
WP-4-S	421.61	420.36
WP-5-S	422.78	419.91
WP-6-D	423.05	421.40
WP-6-S	420.80	421.29
WP-8-D	421.83	419.57
WP-8-S	421.11	419.48
WP-9-D	421.62	419.56
WP-9-S	420.28	419.75
WP-10-D	421.57	418.58
WP-10-S	420.77	418.31
WP-11-D	421.24	418.70
WP-13	421.57	419.58
WP-14-D	421.69	419.91
WP-14-S	423.08	420.29
WP-40	423.54	420.15
WP-40A	423.34	420.39
WP-41D	423.79	420.19
WP-42S	422.68	420.61
WP-45*	422.84	422.12
WP-46*	422.61	422.11
WP-47*	422.65	421.95
WP-48*	422.72	422.06
WP-49*	423.05	422.12
WP-50*	422.07	422.12
WP-51*	423.96	421.99
WP-52*	423.60	422.65
WP-53*	423.50	422.05
WP-54*	424.26	421.98
WP-55*	425.52	422.10
WP-58D	422.03	422.56
WP-60-S	422.64	422.49
WP-61-S	422.11	423.03
WP-62-S	422.30	422.56
WP-63-S	425.00	422.66
WP-64*	425.67	421.43
WP-65*	425.36	422.33
WP-66*	–	422.40
WP-105-D		418.42

* WELLS OR BORINGS LOCATED WITHIN BUILDING



LEGEND:

- SOIL BORING
- MONITORING WELL/SAMPLING LOCATION
- UTILITY POLE
- HYDRANT

NOTES:

1) SURVEY COMPLETED WITHOUT BENEFIT OF ABSTRACT OF TITLE.

2) GRID NORTH ESTABLISHED FROM THE NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD-83. NORTH ARROW REPRESENTS TRUE NORTH AT THE 76°-35' MERIDIAN OF WEST LONGITUDE.

3) VERTICAL DATUM: NAVD-88. CONTOUR INTERVAL = 1'

4) CHAIN-LINK FENCES SHOWN ARE 5' – 6" HIGH TOPPED WITH BARBED WIRE A.P.O.

5) THE ORIENTATION OF SOME STORMWATER PIPING MADE MEASUREMENT IMPRACTICAL. IN THOSE CASES STRUCTURE INVERTS ARE SHOWN.

6) THERE IS EVIDENCE OF PVC UNDERGROUND ELECTRIC CONDUIT RUNING BETWEEN THE NORTH SIDE OF THE MAIN BUILDING AND THE SHEDS. ALL ELECTRIC CABLE HAS BEEN REMOVED FROM THESE CONDUITS.

7) UTILITY POLE NM-150 IS TOPPED WITH THREE ELECTRIC TRANSFORMERS.

SCALE
40 20 0 40 FT.

THE UNDERSIGNED SURVEYOR HEREBY CERTIFIES THAT THIS MAP IS MADE FROM AN ACTUAL SURVEY MADE ON THE GROUND OF THE PROPERTY SHOWN HEREON COMPLETED FEBRUARY 27, 2013.

JOHN S. DAMIANO LS
LS 050283

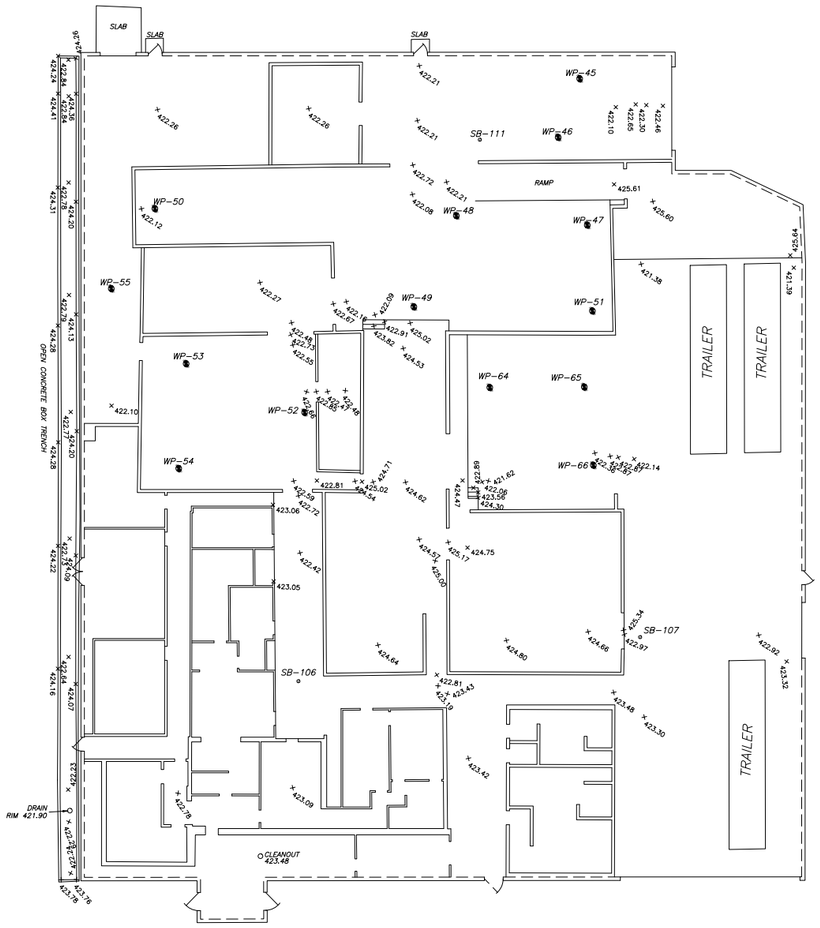
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYORS SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

STATE OF NEW YORK · JOHN S. DAMIANO JR. · 050283 · LICENSED LAND SURVEYOR

REVISIONS		YEC, INC.	
		VALLEY COTTAGE	NEW YORK

FORMER HAZ-O-WASTE SITE SURVEY
(PART OF LOT FARM LOT 91)
4123 CANAL RD, WAMPSVILLE, TOWN OF LENOX
MADISON COUNTY, NEW YORK

DATE:	SCALE:	DRAWN BY:	CHECKED BY:	JOB NO.
MARCH 2013	1"=40'	MBW	JSD	A0462



LEGEND:

- SOIL BORING
- MONITORING WELL/SAMPLING LOCATION

NOTES:

1) SURVEY COMPLETED WITHOUT BENEFIT OF ABSTRACT OF TITLE.

2) GRID NORTH ESTABLISHED FROM THE NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD-83. NORTH ARROW REPRESENTS TRUE NORTH AT THE 76°-35' MERIDIAN OF WEST LONGITUDE.

3) VERTICAL DATUM: NAVD-88.

THE UNDERSIGNED SURVEYOR HEREBY CERTIFIES THAT THIS MAP IS MADE FROM AN ACTUAL SURVEY MADE ON THE GROUND OF THE PROPERTY SHOWN HEREON COMPLETED FEBRUARY 27, 2013.

JOHN S. DAMIANO LS
LS 050283

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYORS SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

STATE OF NEW YORK JOHN S. DAMIANO LICENSED LAND SURVEYOR 050283

SCALE
10 5 0 10 FT.

REVISIONS	YEC, INC.	
	VALLEY COTTAGE	NEW YORK
	FORMER HAZ-O-WASTE BUILDING SURVEY	
	4123 CANAL RD, WAMPSVILLE, TOWN OF LENOX	
	MADISON COUNTY, NEW YORK	

DATE:	SCALE:	DRAWN BY:	CHECKED BY:	JOB NO.
MARCH 2013	1"=10'	MBW	JSD	A0462

ATTACHMENT D

AECC LIMITED HAZARDOUS MATERIAL PRE-DEMOLITION SURVEY REPORT

LIMITED HAZARDOUS MATERIAL PRE-DEMOLITION SURVEY REPORT

Former NES Building
4119 Canal Road
Canastota, New York

Prepared for:

Op-Tech Environmental
6392 Deere Road
Syracuse, New York 13206

***Prepared by**:*

Asbestos & Environmental Consulting Corporation (AECC)
6296 Fly Road
East Syracuse, New York 13057

July 5, 2012

Mr. Thomas Donovan
Project Manager
Op-Tech Environmental
6392 Deere Road
Syracuse, New York 13206

RE: Limited Hazardous Material Pre-Demolition Survey Report
Former NES Building – 4119 Canal Road, Canastota, New York
AECC Project No. 12-135

Dear Mr. Donovan:

The Asbestos & Environmental Consulting Corporation (AECC) was retained by Op-Tech Environmental to perform a limited hazardous material survey (asbestos, lead/PCB caulk, lead-based paint) at the former NES Building, located at 4119 Canal Road, in Canastota, New York. The sampling event was performed in anticipation of an upcoming demolition/renovation of the interior spaces of the building (as per the Client's directive, the outer shell of the building and roofing system was not included in this survey).

ASBESTOS BULK SAMPLING

The asbestos bulk samples were collected by Mr. Nick Coulombe and Mr. Brian Coulombe, New York State Department of Labor (NYSDOL) certified Asbestos Building Inspectors. The following building materials were sampled by AECC during this sampling event:

Table 1 – Bulk Sampling/Asbestos Analysis Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
XWCLK-001A,B	**Caulk (Tan)**	**Front Office – At Roof Line**	**1.4% Anthophyllite**
XWCLK-002A,B	Window Caulk	Front Office – Window	NAD
SMAS-003A,B	Stud Adhesive (Black)	Front Office – Wall Stud	NAD
SR-004A-G	Sheetrock (White)	Throughout Building	NAD

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Table 1 – Bulk Sampling/Asbestos Analysis Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
JC-005A-G	Joint Compound	Throughout Building	NAD
CTEXT-006A,B,C	Ceiling Texture	Office / Lab / Hall	NAD
BINS-007A,B	Blown-In Insulation	Front Office	NAD
RR-008A,B	**Rolled Roofing**	**Front Office – Roof (Top Layer)**	**1.7% Chrysotile**
RR-009A,B	**Rolled Roofing**	**Front Office – Roof (Middle Layer)**	**3.1% Chrysotile**
RB-010A,B	Roof Board	Front Office – Roof (Bottom Layer)	NAD
RC-011A,B	**Roofing Cement**	**Front Office - Roof**	**3.0% Chrysotile**
RF-012A,B	**Roof Flashings**	**Front Office - Roof**	**2.3% Chrysotile**
THOOD-013A,B	**Fume Hood**	**Laboratory**	**14.8% Chrysotile**
LTAB-014A,B	Lab Table Top	Laboratory	NAD
SMAS-015A,B	Stud Adhesive (Brown)	Laboratory – Wall Stud	NAD
SR-016A,B	Sheetrock (Pink)	West Hall - Wall	NAD
FT-017A,B	12”x12” Floor Tile (Blue)	Northwest Office – Floor	NAD
FTM-018A,B	Floor Tile Mastic	Northwest Office - Floor	NAD
CB-019A,B	Cove Base (Black)	Northwest Office – Floor/Wall	NAD
CBM-020A,B	Cove Base Mastic	Northwest Office – Floor/Wall	NAD
ACT-021A,B	Ceiling Tile (White)	North West Office – Ceiling	NAD
FLEV-022A,B	Floor Leveling Compound	Acid Storage Area - Floor	NAD
LINO-023A,B	**Linoleum (Brick Pattern)**	**Cafeteria / Conference Room**	**5.9% Chrysotile**
FT-024A,B	12”x12” Floor Tile (Green)	Office Cluster – Floor	NAD
FTM-025A,B	Floor Tile Mastic	Office Cluster – Floor	NAD
CB-026A,B	Cove Base (Gray)	Office Cluster – Floor/Wall	NAD

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Table 1 – Bulk Sampling/Asbestos Analysis Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT
CBM-027A,B	Cove Base Mastic	Office Cluster – Floor/Wall	NAD
CPM-028A,B	Carpet Mastic (Yellow)	Office Cluster - Floor	NAD
CTA-029A,B	Ceramic Tile Thin Set	Bathroom / Locker Rooms	NAD
CTG-030A,B	Ceramic Tile Grout	Bathroom / Locker Rooms	NAD
CB-031A,B	Cove Base (Brown)	Bathroom / Locker Rooms	NAD
CBM-032A,B	Cove Mastic	Bathroom / Locker Rooms	NAD
WMAS-033A,B	Shower Wall Mastic (Tan)	Bathroom / Locker Rooms	NAD
DCLK-034A,B	Door Caulk (White)	Bathroom / Locker Rooms	NAD
ACT-035A,B	Ceiling Tile (White)	Bathroom / Locker Rooms	NAD
PBMAS-036A,B	Peg Board Mastic (Tan)	Bathroom / Locker Rooms	NAD
EBOARD-037A,B	**Electrical Board**	**Between Offices**	**1.7% Chrysotile**
WCOAT-038A,B,C	Wall Coating (White)	Office Cluster – Wall	NAD
EXCLK-039A,B	Expansion Caulk	Office Cluster	NAD
WBASE-040A,B,C	Wall Base (Gray)	Office Cluster - Wall	NAD
WCOAT-041A,B,C	Troweled-On Wall Coating (White)	Lab Pack Staging Area	NAD
WCLK-042A,B	Wall Caulk (Gray)	Staging Areas	NAD

Table Notes:
NAD = No Asbestos Detected

The following asbestos-containing materials (ACMs) and presumed asbestos-containing materials (PACMs) were identified during this sampling event:

Table 2 – Approximate Quantity of ACMs & PACMs

BUILDING MATERIAL	MATERIAL LOCATION	ESTIMATED QUANTITY	MATERIAL CONDITION
Tan Caulk (XWCLK-001)	**Front Office – At Roof Line**	**20 SF**	**NF, Intact**

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Table 2 – Approximate Quantity of ACMs & PACMs

BUILDING MATERIAL	MATERIAL LOCATION	ESTIMATED QUANTITY	MATERIAL CONDITION
Rolled Roofing (RR-008)	Front Office – Roof (Top Layer)	440 SF	NF, Intact
Rolled Roofing (RR-009)	Front Office – Roof (Middle Layer)		NF, Intact
Roofing Cement (RC-011)	Front Office - Roof		NF, Intact
Roof Flashings (RF-012)	Front Office - Roof		NF, Intact
Fume Hood (THOOD-013)	Laboratory	100 SF	NF, Intact
Brick Pattern Linoleum (LINO-023)	Cafeteria / Conference Room	200 SF	NF, Intact
Electrical Board (EBOARD-037)	Between Offices	16 SF	NF, Intact
Internal Boiler Components (PACM)	Boiler Room	145 SF	NA
Light Gaskets (PACM)	Truck Unloading Pad	9 SF	NA
Vermiculite Insulation & Associated Debris (PACM)	Around Bathrooms	1,400 SF	F, Damaged

Table Notes:
SF = Square Feet
NF = Non-Friable
F = Friable
NA = Not Assessed or Quantified, Due to Inaccessibility of the Material

Asbestos Bulk Sampling Summary – By regulatory definition, a building material must contain greater than one percent (1%) asbestos to be considered an asbestos-containing material (ACM). The tan caulk, rolled roofing (2 types), roofing cement, roof flashings, fume hood, brick pattern linoleum, and electrical board were determined to be ACMs by laboratory analysis. Additionally, the internal boiler components (inaccessible), light gaskets (inaccessible, potential electrical hazard), and vermiculite insulation / debris were identified as PACMs. As required by the applicable state and federal regulations, ACMs and PACMs must be handled and disposed of by a licensed asbestos abatement contractor prior to any demolition or renovation activities. The asbestos bulk sampling analysis reports have been included in Attachment B.

Disturbed Vermiculite Insulation – Due to the presence of disturbed vermiculite insulation (PACM), an approved NYSDOL site-specific variance shall be required to clean-up the uncontrolled disturbance.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, copies of this report shall be immediately transmitted by the building/structure owner, as follows:

Asbestos & Environmental Consulting Corp. ~ 6296 Fly Road, East Syracuse, NY 13057 ~ (315) 432-9400 ~ (315) 432-9405 fax

(1) One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.

(2) One (1) copy of the completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall also be submitted to the appropriate Asbestos Control Bureau district office.

(3) One (1) copy of completed asbestos survey shall be kept on the construction (demolition) site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

CAULK SAMPLING FOR LEAD AND PCBs

AECC collected representative window caulk applications and submitted them to Schneider Laboratories for lead and polychlorinated biphenyl (PCB) analysis. The following tables and summaries explain the results:

Table 3 – Lead Bulk Sample Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	LEAD CONTENT*
XWCLK-001L	Caulk (Tan)	Front Office – At Roof Line	0.005%
XWCLK-002L	Window Caulk	Front Office	0.002%
DLCK-034L	Door Caulk (White)	Bathroom / Locker Room	< 0.002%
EXCLK-039L	Expansion Caulk	Office Cluster	0.031%
WCLK-042L	Wall Caulk (Gray)	Staging Areas	0.005%

Table Notes:
* = Percentage of Lead by Weight

Lead Bulk Sample Summary – By regulatory definition, a lead-containing material (LCM) is defined as any building material that contains any detectable amount of lead. Four (4) of the caulk applications tested during this sampling event were determined to be a LCM by laboratory analysis. As such, Occupational Safety & Health Administration (OSHA) regulations (worker protection regulations), New York State Department of Environmental Conservation (NYSDEC) regulations (TCLP sampling, proper transport and disposal of LCM), and/or other regulations (USEPA, HUD) may apply based on the future use of the building (i.e. residential housing). The laboratory results have been included in Attachment C.

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Table 4 – PCB Bulk Sample Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	PCB CONTENT
XWCLK-001P	Caulk (Tan)	Front Office – At Roof Line	BQL
XWCLK-002P	Window Caulk	Front Office	BQL
DLCK-034P	Door Caulk (White)	Bathroom / Locker Room	BQL
EXCLK-039P	Expansion Caulk	Office Cluster	BQL
WCLK-042P	Wall Caulk (Gray)	Staging Areas	BQL

Table Notes:
BQL = Below Quantification Limit

PCB Bulk Sample Summary – By regulatory definition, a PCB-containing bulk material is defined as any building material containing at least 50 parts per million (ppm) of PCBs. The bulk samples collected during this sampling event were not PCB-containing bulk materials. The laboratory results have been included in Attachment D.

PAINT CHIP SAMPLING/LEAD ANALYSIS

AECC collected paint chip samples to determine the presence of lead-based paint (LBP) in the loose / flaking paint throughout the building. The following table and summary explain the results of this sampling event:

Table 5 – Paint Chip Sampling/Lead Analysis Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	LEAD CONTENT*
PAINT-001	Paint – White Color	Interior Block Walls	< 0.003

Table Notes:
* = Percentage of Lead by Weight

Lead Paint Chip Summary – By regulatory definition, lead-based paint (LBP) is defined as any paint containing a minimum of 0.5% lead by weight, and a lead-containing material (LCM) is defined as any building material that contains any detectable amount of lead. The paint chip tested during this sampling event was not an LCM. However, it should be noted that AECC only tested the loose / flaking paint in anticipation of demolition activities. Other (non-sampled) paint application should be assumed to be LCM / LBP and handled, transported, and disposed of in accordance with all State, Federal, and local regulations. The laboratory results of the paint chip sampling have been included in Attachment E.

Asbestos & Environmental Consulting Corp. ~ 6296 Fly Road, East Syracuse, NY 13057 ~ (315) 432-9400 ~ (315) 432-9405 fax

Mr. Thomas Donovan
Op-Tech Environmental
Limited Hazardous Material Pre-Demolition Survey Report
Former NES Building – 4119 Canal Road, Canastota, New York

Report Note – In the event that other building materials (materials not specifically identified in this report) are identified during the course of the project, the materials shall be presumed to be hazardous (for asbestos, lead, and/or PCBs) until examined by an appropriately trained/certified individual and/or laboratory analysis proves otherwise.

Report Exclusions – As per the Client, the outer shell of the building and roofing system was not included in AECC's scope of work on this project. As such, additional investigation would be required prior to the demolition of the entire building or any renovation activities that would impact the outer shell and/or roofing system. Additionally, the Client did not want AECC to conduct any hazardous/special waste inventory work (task 5 of the proposal). This work was being performed by the NYSDEC and the Client.

If you have any questions pertaining to this report, please contact our office at (315) 432-9400. We thank you for the opportunity to work with you on this project.

Sincerely,
Asbestos & Environmental Consulting Corporation

Bryan Bowers
President / Owner

Attachment A: AECC Company License & Personnel Certifications
Attachment B: Asbestos Bulk Sample Laboratory Results
Attachment C: Lead Caulk Sample Laboratory Results
Attachment D: PCB Caulk Sample Laboratory Results
Attachment E: Lead Paint Chip Sample Laboratory Results
Attachment F: Sample Location Drawing (Figure 1)

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ATTACHMENT A

AECC COMPANY LICENSE & PERSONNEL CERTIFICATIONS

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Asbestos & Environmental Consulting Corporation

6296 Fly Road

E. Syracuse, NY 13057

FILE NUMBER: 09-42909
LICENSE NUMBER: 42909
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 01/17/2012
EXPIRATION DATE: 02/28/2013

Duly Authorized Representative – Bryan Bowers

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

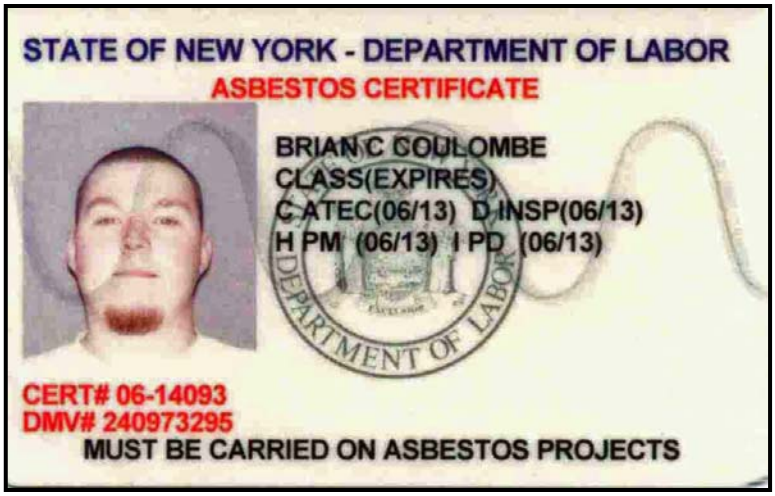
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

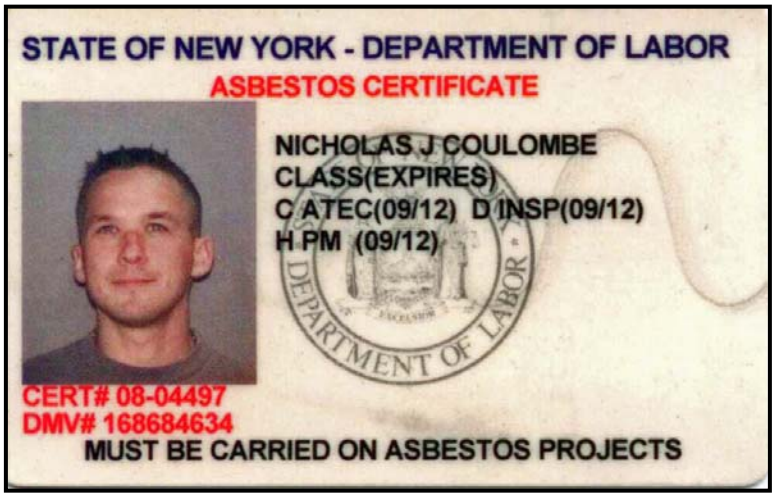
ASBESTOS CERTIFICATION



The following letter codes (as shown on the handling certificate) represent the corresponding asbestos classifications.

A – Asbestos Handler
B – Allied Trades
C – Air sampling Technician
D – Asbestos Inspector
E – Management Planner
F – Operations & Maintenance
G – Asbestos Supervisor
H – Asbestos Project Monitor
I – Asbestos Project Designer

ASBESTOS CERTIFICATION



The following letter codes (as shown on the handling certificate) represent the corresponding asbestos classifications.

A – Asbestos Handler
B – Allied Trades
C – Air sampling Technician
D – Asbestos Inspector
E – Management Planner
F – Operations & Maintenance
G – Asbestos Supervisor
H – Asbestos Project Monitor
I – Asbestos Project Designer

ATTACHMENT B

ASBESTOS BULK SAMPLE LABORATORY RESULTS

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	XWCLK-001A	1	0.270	18.5	67.4	12.7	Anthophyllite <0.25	Anthophyllite 1.4
Location:	Front Office, Tan Caulk @ Roof Line							
02	XWCLK-001B	1	0.273	25.6	55.3	19.0	Anthophyllite <0.25	NA/PS
Location:	Front Office, Tan Caulk @ Roof Line							
03	XWCLK-002A	2	0.180	45.0	48.3	6.7	NAD	NAD
Location:	Front Office, Window Caulk							
04	XWCLK-002B	2	0.175	45.7	49.1	5.1	NAD	NAD
Location:	Front Office, Window Caulk							
05	SMAS-003A	3	0.195	67.2	8.2	24.6	NAD	NAD
Location:	Front Office, Black Stud Mastic							
06	SMAS-003B	3	0.208	67.8	9.1	23.1	NAD	NAD
Location:	Front Office, Black Stud Mastic							
07	SR-004A	4	----	----	----	----	NAD	NA
Location:	Throughout, Sheetrock							
08	SR-004B	4	----	----	----	----	NAD	NA
Location:	Throughout, Sheetrock							
09	SR-004C	4	----	----	----	----	NAD	NA
Location:	Throughout, Sheetrock							
10	SR-004D	4	----	----	----	----	NAD	NA
Location:	Throughout, Sheetrock							
11	SR-004E	4	----	----	----	----	NAD	NA
Location:	Throughout, Sheetrock							
12	SR-004F	4	----	----	----	----	NAD	NA
Location:	Throughout, Sheetrock							
13	SR-004G	4	----	----	----	----	NAD	NA
Location:	Throughout, Sheetrock							
14	JC-005A	5	----	----	----	----	NAD	NA
Location:	Throughout, Joint Compound							
15	JC-005B	5	----	----	----	----	NAD	NA
Location:	Throughout, Joint Compound							
16	JC-005C	5	----	----	----	----	NAD	NA
Location:	Throughout, Joint Compound							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	JC-005D	5	----	----	----	----	NAD	NA
Location:	Throughout, Joint Compound							
18	JC-005E	5	----	----	----	----	NAD	NA
Location:	Throughout, Joint Compound							
19	JC-005F	5	----	----	----	----	NAD	NA
Location:	Throughout, Joint Compound							
20	JC-005G	5	----	----	----	----	NAD	NA
Location:	Throughout, Joint Compound							
21	CTEXT-006A	6	----	----	----	----	NAD	NA
Location:	Office/Lab/Hall, Ceiling Texture							
22	CTEXT-006B	6	----	----	----	----	NAD	NA
Location:	Office/Lab/Hall, Ceiling Texture							
23	CTEXT-006C	6	----	----	----	----	NAD	NA
Location:	Office/Lab/Hall, Ceiling Texture							
24	BINS-007A	7	----	----	----	----	NAD	NA
Location:	Front Office, Brown Insulation							
25	BINS-007B	7	----	----	----	----	NAD	NA
Location:	Front Office, Brown Insulation							
26	RR-008A	8	0.188	79.3	16.5	2.6	Chrysotile <0.25	Chrysotile 1.7
Location:	Front Office Roof, Top-Rolled Roofing							
27	RR-008B	8	0.273	77.7	16.5	5.9	Chrysotile <0.25	NA/PS
Location:	Front Office Roof, Top-Rolled Roofing							
28	RR-009A	9	0.246	73.2	19.1	4.6	Chrysotile <0.25	Chrysotile 3.1
Location:	Front Office Roof, Mid-Rolled Roofing							
29	RR-009B	9	0.269	73.2	20.4	6.3	Chrysotile <0.25	NA/PS
Location:	Front Office Roof, Mid-Rolled Roofing							
30	RB-010A	10	0.118	88.1	3.4	8.5	NAD	NAD
Location:	Front Office Roof, Bottom - Board							
31	RB-010B	10	0.162	92.6	3.7	3.7	NAD	NAD
Location:	Front Office Roof, Bottom - Board							
32	RC-011A	11	0.276	39.5	35.9	21.6	Chrysotile 3.0	NA
Location:	Front Office Roof, Roof Cement							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	RC-011B	11	0.229	39.7	36.2	24.0	NA/PS	NA
Location:	Front Office Roof, Roof Cement							
34	RF-012A	12	0.215	73.0	15.3	9.3	Chrysotile <0.25	Chrysotile 2.3
Location:	Front Office Roof, Roof Flashing							
35	RF-012B	12	0.227	69.6	18.9	11.5	Chrysotile <0.25	NA/PS
Location:	Front Office Roof, Roof Flashing							
36	THOOD-013A	13	----	----	----	----	Chrysotile 14.8	NA
Location:	Lab Room, Lab Hood							
37	THOOD-013B	13	----	----	----	----	NA/PS	NA
Location:	Lab Room, Lab Hood							
38	LTAB-014A	14	----	----	----	----	NAD	NA
Location:	Lab Room, Lab Table							
39	LTAB-014B	14	----	----	----	----	NAD	NA
Location:	Lab Room, Lab Table							
40	SMAS-015A	15	0.128	52.3	9.4	38.3	NAD	NAD
Location:	Lab Room, Brown Stud Mastic							
41	SMAS-015B	15	0.174	52.3	12.1	35.6	NAD	NAD
Location:	Lab Room, Brown Stud Mastic							
42	SR-016A	16	----	----	----	----	NAD	NA
Location:	West Hall, Pink Sheetrock							
43	SR-016B	16	----	----	----	----	NAD	NA
Location:	West Hall, Pink Sheetrock							
44	FT-017A	17	0.266	16.2	81.6	2.3	NAD	NAD
Location:	North West Office, 12x12 Blue Tile							
45	FT-017B	17	0.257	16.3	81.7	1.9	NAD	NAD
Location:	North West Office, 12x12 Blue Tile							
46	FTM-018A	18	0.191	43.5	26.7	29.8	NAD	NAD
Location:	North West Office, Floor Mastic							
47	FTM-018B	18	0.226	44.2	27.4	28.3	NAD	NAD
Location:	North West Office, Floor Mastic							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM

Analyzed by: Madell E. Collins; Date Analyzed 6/27/2012

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6296 Fly Road
Suite 2
East Syracuse, NY 13057

Date Received 06/21/12
Date Examined 06/25/12
ELAP # 11480

AmeriSci Job # 212064281
P.O. #
Page 1 **of** 9

RE: 12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
XWCLK-001A 1	212064281-01 **Location:** Front Office, Tan Caulk @ Roof Line	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Anthophyllite <0.25 % pc **Other Material:** Fibrous Talc Trace, Non-fibrous 14.1 %			
XWCLK-001B 1	212064281-02 **Location:** Front Office, Tan Caulk @ Roof Line	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Anthophyllite <0.25 % pc **Other Material:** Fibrous Talc Trace, Non-fibrous 19 %			
XWCLK-002A 2	212064281-03 **Location:** Front Office, Window Caulk	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.7 %			
XWCLK-002B 2	212064281-04 **Location:** Front Office, Window Caulk	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.1 %			
SMAS-003A 3	212064281-05 **Location:** Front Office, Black Stud Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 24.6 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SMAS-003B 3	212064281-06 **Location:** Front Office, Black Stud Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 23.1 %			
SR-004A 4	212064281-07 **Location:** Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Non-fibrous 95 %			
SR-004B 4	212064281-08 **Location:** Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			
SR-004C 4	212064281-09 **Location:** Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Fibrous glass Trace, Non-fibrous 85 %			
SR-004D 4	212064281-10 **Location:** Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
SR-004E 4	212064281-11 **Location:** Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SR-004F 4	212064281-12 **Location:** Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
SR-004G 4	212064281-13 **Location:** Throughout, Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass Trace, Non-fibrous 95 %			
JC-005A 5	212064281-14 **Location:** Throughout, Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
JC-005B 5	212064281-15 **Location:** Throughout, Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
JC-005C 5	212064281-16 **Location:** Throughout, Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
JC-005D 5	212064281-17 **Location:** Throughout, Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
JC-005E 5	212064281-18 **Location:** Throughout, Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
JC-005F 5	212064281-19 **Location:** Throughout, Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
JC-005G 5	212064281-20 **Location:** Throughout, Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CTEXT-006A 6	212064281-21 **Location:** Office/Lab/Hall, Ceiling Texture	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CTEXT-006B 6	212064281-22 **Location:** Office/Lab/Hall, Ceiling Texture	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CTEXT-006C 6	212064281-23 **Location:** Office/Lab/Hall, Ceiling Texture	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
BINS-007A 7	212064281-24 **Location:** Front Office, Brown Insulation	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 98 %, Non-fibrous 2 %			
BINS-007B 7	212064281-25 **Location:** Front Office, Brown Insulation	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 98 %, Non-fibrous 2 %			
RR-008A 8	212064281-26 **Location:** Front Office Roof, Top-Rolled Roofing	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 4.3 %			
RR-008B 8	212064281-27 **Location:** Front Office Roof, Top-Rolled Roofing	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 5.9 %			
RR-009A 9	212064281-28 **Location:** Front Office Roof, Mid-Rolled Roofing	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 7.7 %			
RR-009B 9	212064281-29 **Location:** Front Office Roof, Mid-Rolled Roofing	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 6.3 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RB-010A 10	212064281-30 **Location:** Front Office Roof, Bottom - Board	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.5 %			
RB-010B 10	212064281-31 **Location:** Front Office Roof, Bottom - Board	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.7 %			
RC-011A 11	212064281-32 **Location:** Front Office Roof, Roof Cement	***Yes***	3 % (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: White/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 21.6 %			
RC-011B 11	212064281-33 **Location:** Front Office Roof, Roof Cement		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
RF-012A 12	212064281-34 **Location:** Front Office Roof, Roof Flashing	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 11.6 %			
RF-012B 12	212064281-35 **Location:** Front Office Roof, Roof Flashing	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 11.5 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
THOOD-013A 13	212064281-36 **Location:** Lab Room, Lab Hood	***Yes***	14.8 % (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 14.8 % **Other Material:** Non-fibrous 85.2 %			
THOOD-013B 13	212064281-37 **Location:** Lab Room, Lab Hood		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
LTAB-014A 14	212064281-38 **Location:** Lab Room, Lab Table	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
LTAB-014B 14	212064281-39 **Location:** Lab Room, Lab Table	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
SMAS-015A 15	212064281-40 **Location:** Lab Room, Brown Stud Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.3 %			
SMAS-015B 15	212064281-41 **Location:** Lab Room, Brown Stud Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 35.6 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SR-016A 16	212064281-42 **Location:** West Hall, Pink Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass Trace, Non-fibrous 95 %			
SR-016B 16	212064281-43 **Location:** West Hall, Pink Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass Trace, Non-fibrous 95 %			
FT-017A 17	212064281-44 **Location:** North West Office, 12x12 Blue Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Blue, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.3 %			
FT-017B 17	212064281-45 **Location:** North West Office, 12x12 Blue Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Blue, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.9 %			
FTM-018A 18	212064281-46 **Location:** North West Office, Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 29.8 %			
FTM-018B 18	212064281-47 **Location:** North West Office, Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28.3 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canasota, NY; Former NES Building

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Reporting Notes:

Analyzed by: Karol H. Lu

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples or 198.6 for NOB samples (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By:_____ END OF REPORT

AECC
ENVIRONMENTAL CONSULTING

2120642 81

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Project Number 12-135
Client OPTECH
Address 4119 CANAL ROAD
CANASTOTA NY

FORMER NES BUILDING

AECC Contact Name: Bryan Bowers
Office Number: 315-432-9400
Fax Number: 315-432-9405
Email: labdata@aeccgroup.com

SAMPLE ID	LOCATION	DESCRIPTION	REPORT RESULTS AS
XWCLK 001AB	Front office	Tan Caulk @ Roof line	% Asbestos
XWCLK-002AB	↓	Window Caulk	% Asbestos
SMAS-003AB	↓	Black Stud mastic	% Asbestos
SR-004 A-[redacted]G	THROUGH OUT	SHEETROCK	% Asbestos
JC-005 A-[redacted]G	THROUGH OUT	JOINT COMPOUND	% Asbestos
CTEXT-006 ABC	OFFICE/ LAB/HALL	CEILING TEXTURE	% Asbestos
BINS-007 AB	FRONT OFFICE	Blown insulation	% Asbestos
RR-008 AB	FRONT OFFICE ROOF	TOP - ROLLED ROOFING	% Asbestos
RR-009 AB	↓	MID - ROLLED ROOFING	% Asbestos
RB-010 AB	↓	BOTTOM - BOARD	% Asbestos
RC-011 AB	↓	ROOF CEMENT	% Asbestos
~~RFL-012~~ RF-012AB	↓	ROOF FLASHING	% Asbestos
THOOD-013AB	LAB ROOM	LAB HOOD	% Asbestos
LTAB-014AB	↓	LAB TABLE	% Asbestos
SMAS-015AB	↓	BROWN STUD MASTIC	% Asbestos
SR-016 AB	WEST HALL	PINK SHEETROCK	% Asbestos
FT-017 AB	NORTH WEST OFFICE	12x12 BLUE TILE	% Asbestos
FTM-018 AB	" "	FLOOR MASTIC	% Asbestos

Analyzing Sequence:

1 – Separate layers/mastics for individual analysis, if applicable.
2 – Determine method of analysis for PLM (198.1 or 198.6).
3 – If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 – If submitted in series (A, B, C), please stop at first positive
5 – Report Results via e-mail

Sample Turnaround Time: 5 DAY **Verbal To:** ✓ **Phone:** ✓

Sampled By: Nicholas Carbonaro	**Date:** 6/20/12	**Time:**
Shipped By:	**Date:**	
Received By Lab: [signature]	**Date:** 6/21/12	1118
Results e-mailed By:	**Date:**	

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	CB-019A	19	0.194	63.4	36.1	0.5	NAD	NAD
Location:	NW Office, Black Cove Base							
02	CB-019B	19	0.234	64.1	35.5	0.4	NAD	NAD
Location:	NW Office, Black Cove Base							
03	CBM-020A	20	0.220	34.5	43.2	22.3	NAD	NAD
Location:	NW Office, Cove Mastic							
04	CBM-020B	20	0.141	40.4	33.3	26.2	NAD	NAD
Location:	NW Office, Cove Mastic							
05	ACT-021A	21	0.308	23.7	45.1	31.2	NAD	NAD
Location:	NW Office, White Ceiling Tile							
06	ACT-021B	21	0.312	20.2	46.8	33.0	NAD	NAD
Location:	NW Office, White Ceiling Tile							
07	FLEV-022A	22	----	----	----	----	NAD	NA
Location:	Acid Storage, Floor Leveler							
08	FLEV-022B	22	----	----	----	----	NAD	NA
Location:	Acid Storage, Floor Leveler							
09	LINO-023A	23	0.200	86.5	10.0	3.5	Chrysotile <0.25	NA
Location:	Offices/Break Room, Brick Linoleum							
10	LINO-023B	23	0.275	48.7	15.6	29.7	Chrysotile 5.9	NA
Location:	Offices/Break Room, Brick Linoleum							
11	FT-024A	24	0.315	18.4	73.0	8.6	NAD	NAD
Location:	Offices/Break Room, Green 12x12 Tile							
12	FT-024B	24	0.296	18.9	71.3	9.8	NAD	NAD
Location:	Offices/Break Room, Green 12x12 Tile							
13	FTM-025A	25	0.258	85.3	12.0	2.7	NAD	NAD
Location:	Offices/Break Room, Floor Mastic							
14	FTM-025B	25	0.239	85.8	12.1	2.1	NAD	NAD
Location:	Offices/Break Room, Floor Mastic							
15	CB-026A	26	0.249	41.0	9.2	49.8	NAD	NAD
Location:	Offices/Break Room, Cove Base Green							
16	CB-026B	26	0.244	35.7	12.3	52.0	NAD	NAD
Location:	Offices/Break Room, Cove Base Green							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	CBM-027A	27	0.272	55.9	14.3	29.8	NAD	NAD
Location:	Offices/Break Room, Cove Mastic							
18	CBM-027B	27	0.191	67.5	12.0	20.4	NAD	NAD
Location:	Offices/Break Room, Cove Mastic							
19	CPM-028A	28	0.429	60.8	12.8	26.3	NAD	NAD
Location:	Offices/Break Room, Yellow Carpet Mastic							
20	CPM-028B	28	0.334	60.5	11.1	28.4	NAD	NAD
Location:	Offices/Break Room, Yellow Carpet Mastic							
21	CTA-029A	29	----	----	----	----	NAD	NA
Location:	Bath/Locker Room, Ceramic Thin Set							
22	CTA-029B	29	----	----	----	----	NAD	NA
Location:	Bath/Locker Room, Ceramic Thin Set							
23	CTG-030A	30	----	----	----	----	NAD	NA
Location:	Bath/Locker Room, Ceramic Grout							
24	CTG-030B	30	----	----	----	----	NAD	NA
Location:	Bath/Locker Room, Ceramic Grout							
25	CB-031A	31	0.144	59.0	40.3	0.7	NAD	NAD
Location:	Bath/Locker Room, Brown Cove Base							
26	CB-031B	31	0.166	59.0	40.4	0.6	NAD	NAD
Location:	Bath/Locker Room, Brown Cove Base							
27	CBM-032A	32	0.321	25.5	45.2	29.3	NAD	NAD
Location:	Bath/Locker Room, Cove Mastic							
28	CBM-032B	32	0.289	28.0	40.1	31.8	NAD	NAD
Location:	Bath/Locker Room, Cove Mastic							
29	WMAS-033A	33	0.191	28.3	62.3	9.4	NAD	NAD
Location:	Bath/Locker Room, Shower Wall Mastic							
30	WMAS-033B	33	0.162	28.4	63.0	8.6	NAD	NAD
Location:	Bath/Locker Room, Shower Wall Mastic							
31	DCLK-034A	34	0.242	32.6	66.1	1.2	NAD	NAD
Location:	Bath/Locker Room, Door Caulk (White)							
32	DCLK-034B	34	0.255	35.3	63.9	0.8	NAD	NAD
Location:	Bath/Locker Room, Door Caulk (White)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	ACT-035A	35	0.211	16.1	45.5	38.4	NAD	NAD
Location:	Bath/Locker Room, White Ceiling Tile							
34	ACT-035B	35	0.217	17.5	43.8	38.7	NAD	NAD
Location:	Bath/Locker Room, White Ceiling Tile							
35	PBMAS-036A	36	0.149	35.6	36.9	27.5	NAD	NAD
Location:	Bath/Locker Room, Pegboard Mastic							
36	PBMAS-036B	36	0.184	26.6	49.5	23.9	NAD	NAD
Location:	Bath/Locker Room, Pegboard Mastic							
37	EBOARD-037A	37	0.307	20.5	17.3	60.5	Chrysotile 1.7	NA
Location:	Between Office and Break Rm, Electric Board (Asbestos in Sample Exhibits Properties Consistent with Heat Altered Chrysotile)							
38	EBOARD-037B	37	0.454	19.4	19.4	61.2	NA/PS	NA
Location:	Between Office and Break Rm, Electric Board							
39	WCOAT-038A	38	----	----	----	----	NAD	NA
Location:	Break Room/Offices, White Wall Coat							
40	WCOAT-038B	38	----	----	----	----	NAD	NA
Location:	Break Room/Offices, White Wall Coat							
41	WCOAT-038C	38	----	----	----	----	NAD	NA
Location:	Break Room/Offices, White Wall Coat							
42	EXCLK-039A	39	0.318	28.6	62.9	8.5	NAD	NAD
Location:	Offices, Expansion Caulk							
43	EXCLK-039B	39	0.170	28.8	63.5	7.6	NAD	NAD
Location:	Offices, Expansion Caulk							
44	WBASE-040A	40	----	----	----	----	NAD	NA
Location:	Break Room/Offices, Grey Plaster							
45	WBASE-040B	40	----	----	----	----	NAD	NA
Location:	Break Room/Offices, Grey Plaster							
46	WBASE-040C	40	----	----	----	----	NAD	NA
Location:	Break Room/Offices, Grey Plaster							
47	WCOAT-041A	41	----	----	----	----	NAD	NA
Location:	Staging Room, White Wall Coat							
48	WCOAT-041B	41	----	----	----	----	NAD	NA
Location:	Staging Room, White Wall Coat							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	WCOAT-041C	41	----	----	----	----	NAD	NA
Location:	Staging Room, White Wall Coat							
50	WCLK-042A	42	0.150	26.0	50.0	24.0	NAD	NAD
Location:	Staging Area, Grey Wall Caulk							
51	WCLK-042B	42	0.157	23.6	61.1	15.3	NAD	NAD
Location:	Staging Area, Grey Wall Caulk							

Analyzed by: Madell E. Collins; Date Analyzed 6/27/2012

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AMERI SCI

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6296 Fly Road
Suite 2
East Syracuse, NY 13057

Date Received 06/21/12
Date Examined 06/25/12
ELAP # 11480

AmeriSci Job # 212064286
P.O. #
Page 1 **of** 10

RE: 12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CB-019A 19	212064286-01 **Location:** NW Office, Black Cove Base	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5 %			
CB-019B 19	212064286-02 **Location:** NW Office, Black Cove Base	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.4 %			
CBM-020A 20	212064286-03 **Location:** NW Office, Cove Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 22.3 %			
CBM-020B 20	212064286-04 **Location:** NW Office, Cove Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 26.2 %			
ACT-021A 21	212064286-05 **Location:** NW Office, White Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ACT-021B 21	212064286-06 **Location:** NW Office, White Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 33 %			
FLEV-022A 22	212064286-07 **Location:** Acid Storage, Floor Leveler	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
FLEV-022B 22	212064286-08 **Location:** Acid Storage, Floor Leveler	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
LINO-023A 23	212064286-09 **Location:** Offices/Break Room, Brick Linoleum	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Karol H. Lu on 06/25/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 3.5 %			
LINO-023B 23	212064286-10 **Location:** Offices/Break Room, Brick Linoleum	***Yes***	5.9 % (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.9 % **Other Material:** Non-fibrous 29.7 %			
FT-024A 24	212064286-11 **Location:** Offices/Break Room, Green 12x12 Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Light Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.6 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FT-024B 24	212064286-12 **Location:** Offices/Break Room, Green 12x12 Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Light Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.8 %			
FTM-025A 25	212064286-13 **Location:** Offices/Break Room, Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.7 %			
FTM-025B 25	212064286-14 **Location:** Offices/Break Room, Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.1 %			
CB-026A 26	212064286-15 **Location:** Offices/Break Room, Cove Base Green	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 49.8 %			
CB-026B 26	212064286-16 **Location:** Offices/Break Room, Cove Base Green	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 52 %			
CBM-027A 27	212064286-17 **Location:** Offices/Break Room, Cove Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 29.8 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CBM-027B 27	212064286-18 **Location:** Offices/Break Room, Cove Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 20.4 %			
CPM-028A 28	212064286-19 **Location:** Offices/Break Room, Yellow Carpet Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 26.3 %			
CPM-028B 28	212064286-20 **Location:** Offices/Break Room, Yellow Carpet Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28.4 %			
CTA-029A 29	212064286-21 **Location:** Bath/Locker Room, Ceramic Thin Set	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CTA-029B 29	212064286-22 **Location:** Bath/Locker Room, Ceramic Thin Set	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CTG-030A 30	212064286-23 **Location:** Bath/Locker Room, Ceramic Grout	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey/Red, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CTG-030B 30	212064286-24 **Location:** Bath/Locker Room, Ceramic Grout	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey/Red, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CB-031A 31	212064286-25 **Location:** Bath/Locker Room, Brown Cove Base	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.7 %			
CB-031B 31	212064286-26 **Location:** Bath/Locker Room, Brown Cove Base	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.6 %			
CBM-032A 32	212064286-27 **Location:** Bath/Locker Room, Cove Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 29.3 %			
CBM-032B 32	212064286-28 **Location:** Bath/Locker Room, Cove Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31.8 %			
WMAS-033A 33	212064286-29 **Location:** Bath/Locker Room, Shower Wall Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.4 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WMAS-033B 33	212064286-30 **Location:** Bath/Locker Room, Shower Wall Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.6 %			
DCLK-034A 34	212064286-31 **Location:** Bath/Locker Room, Door Caulk (White)	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.2 %			
DCLK-034B 34	212064286-32 **Location:** Bath/Locker Room, Door Caulk (White)	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.8 %			
ACT-035A 35	212064286-33 **Location:** Bath/Locker Room, White Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.4 %			
ACT-035B 35	212064286-34 **Location:** Bath/Locker Room, White Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.7 %			
PBMAS-036A 36	212064286-35 **Location:** Bath/Locker Room, Pegboard Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 27.5 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PBMAS-036B 36	212064286-36 **Location:** Bath/Locker Room, Pegboard Mastic	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 23.9 %			
EBOARD-037A 37	212064286-37 **Location:** Between Office and Break Rm, Electric Board (Asbestos in Sample Exhibits Properties Consistent with Heat Altered Chrysotile)	***Yes***	1.7 % (ELAP 198.6; 400pc) by Ravi N. Krishnappa (khl) on 06/25/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 1.7 % **Other Material:** Non-fibrous 60.5 % **Comment:** Asbestos in Sample Exhibits Properties Consistent with Heat Altered Chrysotile.			
EBOARD-037B 37	212064286-38 **Location:** Between Office and Break Rm, Electric Board		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
WCOAT-038A 38	212064286-39 **Location:** Break Room/Offices, White Wall Coat	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 2 %, Non-fibrous 98 %			
WCOAT-038B 38	212064286-40 **Location:** Break Room/Offices, White Wall Coat	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 2 %, Non-fibrous 98 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WCOAT-038C 38	212064286-41 **Location:** Break Room/Offices, White Wall Coat	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 2 %, Non-fibrous 98 %			
EXCLK-039A 39	212064286-42 **Location:** Offices, Expansion Caulk	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.5 %			
EXCLK-039B 39	212064286-43 **Location:** Offices, Expansion Caulk	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.6 %			
WBASE-040A 40	212064286-44 **Location:** Break Room/Offices, Grey Plaster	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Wollastonite Trace, Non-fibrous 100 %			
WBASE-040B 40	212064286-45 **Location:** Break Room/Offices, Grey Plaster	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Wollastonite 2 %, Non-fibrous 98 %			
WBASE-040C 40	212064286-46 **Location:** Break Room/Offices, Grey Plaster	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Wollastonite 2 %, Non-fibrous 98 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WCOAT-041A 41	212064286-47 **Location:** Staging Room, White Wall Coat	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
WCOAT-041B 41	212064286-48 **Location:** Staging Room, White Wall Coat	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
WCOAT-041C 41	212064286-49 **Location:** Staging Room, White Wall Coat	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
WCLK-042A 42	212064286-50 **Location:** Staging Area, Grey Wall Caulk	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 24 %			
WCLK-042B 42	212064286-51 **Location:** Staging Area, Grey Wall Caulk	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 06/25/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.3 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

12-135; Optech; 4119 Canal Road, Canastota, NY; Former NE Building

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Reporting Notes:

Analyzed by: Karol H. Lu

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples or 198.6 for NOB samples (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By:_____

END OF REPORT

AECC
ENVIRONMENTAL CONSULTING

2120642 86

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Project Number 12-135
Client OPTECH
Address 4119 CANAL ROAD
CAMASTOTA NY

FORMER NES BUILDING

AECC Contact Name: Bryan Bowers
Office Number: 315-432-9400
Fax Number: 315-432-9405
Email: labdata@aeccgroup.com

SAMPLE ID	LOCATION	DESCRIPTION	REPORT RESULTS AS
CB-019AB	NW OFFICE	BLACK COVE BASE	% Asbestos
CBM-020AB	" "	COVE MASTIC	% Asbestos
ACT-021AB	" "	WHITE CEILING TILE	% Asbestos
FLEV-022AB	ACID STORAGE	FLOOR LEVELER	% Asbestos
LINO-023AB	OFFICES/BREAKROOM	BRICK LINOLEUM	% Asbestos
FT-024AB	" "	GREEN 12X12 TILE	% Asbestos
FTM-025AB	" "	FLOOR MASTIC	% Asbestos
CB-026AB	" "	COVE BASE (GREEN)	% Asbestos
CBM-027AB	" "	COVE MASTIC	% Asbestos
CPM-028AB	" "	YELLOW CARPET MASTIC	% Asbestos
CTA-029AB	BATH/LOCKER ROOM	CERAMIC THINSET	% Asbestos
CTG-030AB	" "	CERAMIC GROUT	% Asbestos
CB-031AB	" "	BROWN COVE BASE	% Asbestos
CBM-032AB	" "	COVE MASTIC	% Asbestos
WMAS-033AB	" "	SHOWER WALL MASTIC	% Asbestos
DCLK-034AB	" "	DOOR CAULK (WHITE)	% Asbestos
ACT-035AB	" "	WHITE CEILING TILE	% Asbestos
PBMAS-036AB	" "	[redacted] BOARD MASTIC	% Asbestos

PEG

Analyzing Sequence:

1 – Separate layers/mastics for individual analysis, if applicable.
2 – Determine method of analysis for PLM (198.1 or 198.6).
3 – If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 – If submitted in series (A, B, C), please stop at first positive
5 – Report Results via e-mail

Sample Turnaround Time: 5DAY **Verbal To:** _____ **Phone:** _____

Sampled By: Nicholas Carbonetti	**Date:** 6/20/12	**Time:**
Shipped By:	**Date:**	
Received By Lab: [signature]	**Date:** 6/21/12	1118
Results e-mailed By:	**Date:**	

AECC
ENVIRONMENTAL CONSULTING

2120642486

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Project Number 12-135
Client OPTECH
Address 4119 CANAL ROAD
CANASTOTA NY

FORMER NES BUILDING

AECC Contact Name: Bryan Bowers
Office Number: 315-432-9400
Fax Number: 315-432-9405
Email: labdata@aeccgroup.com

SAMPLE ID	LOCATION	DESCRIPTION	REPORT RESULTS AS
EBOARD-037AB	BETWEEN OFFICE AND BREAK ROOM	ELECTR. BOARD	% Asbestos
WCOAT-038ABC	BREAK ROOM/OFFICES	WHITE WALL COAT	% Asbestos
EXCLK-039AB	OFFICES	EXPANSION CAULK	% Asbestos
WBASE-040ABC	BREAK ROOM/OFFICES	GREY PLASTER	% Asbestos
WCOAT-041ABC	STAGING ROOM	WHITE WALL COAT	% Asbestos
WCLK-042AB	STAGING AREA.	GREY WALL CAULK	% Asbestos
			% Asbestos
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			% Asbestos
			% Asbestos
			% Asbestos

Analyzing Sequence:

1 – Separate layers/mastics for individual analysis, if applicable.
2 – Determine method of analysis for PLM (198.1 or 198.6).
3 – If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 – If submitted in series (A, B, C), please stop at first positive
5 – Report Results via e-mail

Sample Turnaround Time: 5DAY **Verbal To:** _____ **Phone:** _____

Sampled By: Nicholas Cortland	**Date:** 6/20/12	**Time:**
Shipped By:	**Date:**	
Received By Lab:	**Date:** 6/21/12	1118
Results e-mailed By:	**Date:**	

ATTACHMENT C

LEAD CAULK SAMPLE LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

I N C O R P O R A T E D

2512 W. Cary Street • Richmond, Virginia • 23220-5117
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LABORATORY ANALYSIS REPORT

Lead Analysis based on EPA 7000B Method

Using SLI P26 A14

ACCOUNT #: 4307-12-297
CLIENT: Asbestos & Env. Consulting Corp.
ADDRESS: 6296 Fly Road
East Syracuse, NY 13057
PROJECT NAME: 4119 Canal Road
JOB LOCATION: Canastota, NY
PROJECT NO.: 12-135
PO NO.:

DATE RECEIVED: 6/21/2012
DATE ANALYZED: 6/21/2012
DATE REPORTED: 6/22/2012
Sample Type: BULK

SLI Sample No.	Client Sample No.	Collection Date	Sample Description	Sample Wt (mg)	Total Lead (µg)*	Lead Conc (% by wt)	Lead Conc PPM
31507336	XWCLK-001L	6/20/2012	Front Office	551	25.7	0.005	47
31507337	XWCLK-002L	6/20/2012	Front Office	572	12.5	0.002	22
31507338	DCLK-034L	6/20/2012	Bath/Locker Room	564	< 10.0	< 0.002	< 18
31507339	EXCLK-039L	6/20/2012	Offices	536	165.4	0.031	309
31507340	WCLK-042L	6/20/2012	Stagine Area	538	29.5	0.005	55

Analysis Run ID: 50134

Analyst: **Omar H. Elshowaya**

Total Number of Pages in Report: 1

Results relate only to samples as received by the laboratory.

Reviewed By **Derek L. Jackson, Analyst**

Visit www.slabinc.com for current certifications.

*Minimum Reporting Limit: 10.0 µg. For work involving HUD, child-occupied building and other residential units, the Federal Lead Standard for paint is 0.06% lead by weight [600 ppm]. *Data precision justifies 2 significant figures. Unusual sample conditions, if any, are described. All testing is performed in strict accordance with Schneider Laboratories, Inc. protocol.*

4307-12-009

AECC
ENVIRONMENTAL CONSULTING

LEAD IN BULK SAMPLE CHAIN OF CUSTODY

Project Number 12-135
Client OPTECH
Address 4119 CANAL ROAD
CANASTOTA NY

FORMER NES BUILDING

AECC Contact Name: Bryan Bowers
Office Number: 315-432-9400
Fax Number: 315-432-9405
Email: labdata@aeccgroup.com

SAMPLE ID	LOCATION	DESCRIPTION	ANALYSIS REQUIRED
XWCLK-001L	FRONT OFFICE	TAN CAULK AT ROOF	EPA 7000B Lead
XWCLK-002L	FRONT OFFICE	WINDOW CAULK	EPA 7000B Lead
DCLK-034L	BATH/LOCKER ROOM	DOOR CAULK	EPA 7000B Lead
EXCLK-039L	OFFICES	TAN EXPANSION CAULK	EPA 7000B Lead
WCLK-042L	STAGING AREA	GREY WALL CAULK	EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead

WorkOrderKey
V: \892\892831

Reporting Information: e-mail – (labdata@aeccgroup.com)

Sample Turnaround Time: 5DAY **Verbal To:** / **Phone:** /

Sampled By: Nicholas Colombo	**Date:** 6/20/12	**Time:**	
Shipped By:	**Date:**		
Received By Lab: Fadi	**Date:** 6-21-12		
Results e-mailed By:	**Date:**		

FT 6402 X

ATTACHMENT D

PCB CAULK SAMPLE LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117

804-353-6778 • 800-785-LABS (5227) • (Fax) 804-359-1475

Over 25 Years of Excellence in Service and Technology

AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORT

Account:	4307-12-296	**Date/Time Collected:**	6/20/2012	
Client:	Asbestos & Env. Consulting Corp.	**Date/Time Received:**	6/21/2012	10:10 AM
Address:	6296 Fly Road	**Date Reported:**	6/26/2012	
	East Syracuse, NY 13057	**Receipt Temp., °C:**		
Project Name:	4119 Canal Road	**Sample Matrix:**	SOLID	
Project No.:	12-135			
Job Location:	Canastota, NY			
P.O.#:				

Sample Description: **Front Office**

SLI Sample No.: 31506422

Client Sample No.: WXCLK-001P

Analyte	Analysis Result	Quantitation Limit	Units	Dilution Factor	Analysis Date/Time	Analyst
Polychlorinated Biphenyls based on SW846 8082 using SLI O17						
Aroclor - 1016	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1221	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1232	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1242	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1248	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1254	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1260	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1268	BQL	268	µg/kg	1	6/26/2012	APS
Aroclor - 1262	BQL	268	µg/kg	1	6/26/2012	APS

Polychlorinated Biphenyls based on SW846 8082 -- Surrogate Recoveries using SLI O17

Surrogate	Recovery
DCB	MI
TCMX	MI

m mishra

Reviewed By: Mandapi Mishra, Organics QC Rep.

All samples for organics testing should be shipped in cool conditions, 1 to 6°C. Quality Control Data available upon request. *Data precision justifies 2 significant figures. Sample concentrations below the Quantitation Limit are noted as BQL (Below Quantitation Limit) or ND (None Detected) or with a "less than" (<) sign. Values designated with a "B" indicate presence of the analyte in the laboratory blank at a concentration above the Quantitation Limit. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Soil results are reported on a dry weight basis. Results relate only to samples as received by the laboratory. Unusual sample conditions, if any, are described. All testing is done in strict accordance with SLI. protocol. Visit www.slabinc.com for current certifications.

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LABORATORY ANALYSIS REPORT

Account:	4307-12-296	**Date/Time Collected:**	6/20/2012	
Client:	Asbestos & Env. Consulting Corp.	**Date/Time Received:**	6/21/2012	10:10 AM
Address:	6296 Fly Road	**Date Reported:**	6/26/2012	
	East Syracuse, NY 13057	**Receipt Temp., °C:**		
Project Name:	4119 Canal Road	**Sample Matrix:**	SOLID	
Project No.:	12-135			
Job Location:	Canastota, NY			
P.O.#:				
Sample Description:	**Front Office**	**SLI Sample No.:**	31506423	
		Client Sample No.:	WXCLK-002P	

Analyte	Analysis Result	Quantitation Limit	Units	Dilution Factor	Analysis Date/Time	Analyst
Polychlorinated Biphenyls based on SW846 8082 using SLI O17						
Aroclor - 1016	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1221	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1232	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1242	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1248	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1254	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1260	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1268	BQL	370	µg/kg	1	6/26/2012	APS
Aroclor - 1262	BQL	370	µg/kg	1	6/26/2012	APS

Polychlorinated Biphenyls based on SW846 8082 -- Surrogate Recoveries using SLI O17

Surrogate	Recovery
DCB	MI
TCMX	40%

m mishra

Reviewed By: Mandapi Mishra, Organics QC Rep.

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LABORATORY ANALYSIS REPORT

Account:	4307-12-296	**Date/Time Collected:**	6/20/2012	
Client:	Asbestos & Env. Consulting Corp.	**Date/Time Received:**	6/21/2012	10:10 AM
Address:	6296 Fly Road	**Date Reported:**	6/26/2012	
	East Syracuse, NY 13057	**Receipt Temp., °C:**		
Project Name:	4119 Canal Road	**Sample Matrix:**	SOLID	
Project No.:	12-135			
Job Location:	Canastota, NY			
P.O.#:				

Sample Description: Bath/Locker Room

SLI Sample No.: 31506424

Client Sample No.: DCLK-034P

Analyte	Analysis Result	Quantitation Limit	Units	Dilution Factor	Analysis Date/Time	Analyst
Polychlorinated Biphenyls based on SW846 8082 using SLI O17						
Aroclor - 1016	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1221	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1232	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1242	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1248	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1254	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1260	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1268	BQL	297	µg/kg	1	6/26/2012	APS
Aroclor - 1262	BQL	297	µg/kg	1	6/26/2012	APS

Polychlorinated Biphenyls based on SW846 8082 -- Surrogate Recoveries using SLI O17

Surrogate	Recovery
DCB	108%
TCMX	61%

m mishra

Reviewed By: Mandapi Mishra, Organics QC Rep.

All samples for organics testing should be shipped in cool conditions, 1 to 6°C. Quality Control Data available upon request. *Data precision justifies 2 significant figures. Sample concentrations below the Quantitation Limit are noted as BQL (Below Quantitation Limit) or ND (None Detected) or with a "less than" (<) sign. Values designated with a "B" indicate presence of the analyte in the laboratory blank at a concentration above the Quantitation Limit. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Soil results are reported on a dry weight basis. Results relate only to samples as received by the laboratory. Unusual sample conditions, if any, are described. All testing is done in strict accordance with SLI. protocol. Visit www.slabinc.com for current certifications.

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LABORATORY ANALYSIS REPORT

Account:	4307-12-296	**Date/Time Collected:**	6/20/2012	
Client:	Asbestos & Env. Consulting Corp.	**Date/Time Received:**	6/21/2012	10:10 AM
Address:	6296 Fly Road	**Date Reported:**	6/26/2012	
	East Syracuse, NY 13057	**Receipt Temp., °C:**		
Project Name:	4119 Canal Road	**Sample Matrix:**	SOLID	
Project No.:	12-135			
Job Location:	Canastota, NY			
P.O.#:				

Sample Description: Offices

SLI Sample No.: 31506425

Client Sample No.: EXCLK-039P

Polychlorinated Biphenyls based on SW846 8082 using SLI O17

Analyte	Analysis Result	Quantitation Limit	Units	Dilution Factor	Analysis Date/Time	Analyst
Aroclor - 1016	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1221	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1232	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1242	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1248	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1254	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1260	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1268	BQL	365	µg/kg	1	6/26/2012	APS
Aroclor - 1262	BQL	365	µg/kg	1	6/26/2012	APS

Polychlorinated Biphenyls based on SW846 8082 -- Surrogate Recoveries using SLI O17

Surrogate	Recovery
DCB	21%
TCMX	49%

m mishra

Reviewed By: Mandapi Mishra, Organics QC Rep.

All samples for organics testing should be shipped in cool conditions, 1 to 6°C. Quality Control Data available upon request. *Data precision justifies 2 significant figures. Sample concentrations below the Quantitation Limit are noted as BQL (Below Quantitation Limit) or ND (None Detected) or with a "less than" (<) sign. Values designated with a "B" indicate presence of the analyte in the laboratory blank at a concentration above the Quantitation Limit. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Soil results are reported on a dry weight basis. Results relate only to samples as received by the laboratory. Unusual sample conditions, if any, are described. All testing is done in strict accordance with SLI. protocol. Visit www.slabinc.com for current certifications.

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LABORATORY ANALYSIS REPORT

Account:	4307-12-296	**Date/Time Collected:**	6/20/2012	
Client:	Asbestos & Env. Consulting Corp.	**Date/Time Received:**	6/21/2012	10:10 AM
Address:	6296 Fly Road	**Date Reported:**	6/26/2012	
	East Syracuse, NY 13057	**Receipt Temp., °C:**		
Project Name:	4119 Canal Road	**Sample Matrix:**	SOLID	
Project No.:	12-135			
Job Location:	Canastota, NY			
P.O.#:				

Sample Description: Staging Area

SLI Sample No.: 31506426

Client Sample No.: WCLK-042P

Analyte	Analysis Result	Quantitation Limit	Units	Dilution Factor	Analysis Date/Time	Analyst
Polychlorinated Biphenyls based on SW846 8082 using SLI O17						
Aroclor - 1016	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1221	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1232	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1242	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1248	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1254	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1260	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1268	BQL	402	µg/kg	1	6/26/2012	APS
Aroclor - 1262	BQL	402	µg/kg	1	6/26/2012	APS

Polychlorinated Biphenyls based on SW846 8082 -- Surrogate Recoveries using SLI O17

Surrogate	Recovery
DCB	MI
TCMX	43%

m mishra

Reviewed By: Mandapi Mishra, Organics QC Rep.

All samples for organics testing should be shipped in cool conditions, 1 to 6°C. Quality Control Data available upon request. *Data precision justifies 2 significant figures. Sample concentrations below the Quantitation Limit are noted as BQL (Below Quantitation Limit) or ND (None Detected) or with a "less than" (<) sign. Values designated with a "B" indicate presence of the analyte in the laboratory blank at a concentration above the Quantitation Limit. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Soil results are reported on a dry weight basis. Results relate only to samples as received by the laboratory. Unusual sample conditions, if any, are described. All testing is done in strict accordance with SLI. protocol. Visit www.slabinc.com for current certifications.

AECC
ENVIRONMENTAL CONSULTING

4307-12-296

PCB IN BULK SAMPLE CHAIN OF CUSTODY

Project Number 12-135
Client OPTECH
Address 4119 CANAL ROAD
CANASTOTA NY

FORMER NES BUILDING

AECC Contact Name: Bryan Bowers
Office Number: 315-432-9400
Fax Number: 315-432-9405
Email: labdata@aeccgroup.com

SAMPLE ID	LOCATION	DESCRIPTION	ANALYSIS REQUIRED
XWCLK-001P	FRONT OFFICE	TAN CAULK AT ROOF	EPA 8082'S PCB
XWCLK-002P	FRONT OFFICE	WINDOW CAULK	EPA 8082'S PCB
DCLK-034P	BATH/LOCKER ROOM	DOOR CAULK	EPA 8082'S PCB
EXCLK-039P	OFFICES	TAN EXPANSION CAULK	EPA 8082'S PCB
WCLK-042P	STAGING AREA	GREY WALL CAULK	EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB
			EPA 8082'S PCB

WorkOrderKey
V : \892 \892832

Reporting Information: e-mail – (labdata@aeccgroup.com)

Sample Turnaround Time: 5DAY **Verbal To:** / **Phone:** /

Sampled By: Nicholas Carbonaro		**Date:** 6/20/12	**Time:**
Shipped By:		**Date:**	
Received By Lab:		**Date:** 6-21-12	
Results e-mailed By:		**Date:**	

E 8402 X

ATTACHMENT E

LEAD PAINT CHIP SAMPLE LABORATORY RESULTS

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LABORATORY ANALYSIS REPORT

Lead Analysis based on EPA 7000B Method

Using SLI P26 A14

ACCOUNT #: 4307-12-298
CLIENT: Asbestos & Env. Consulting Corp.
ADDRESS: 6296 Fly Road
East Syracuse, NY 13057
PROJECT NAME: 4119 Canal Road
JOB LOCATION: Canastota, NY
PROJECT NO.: 12-135
PO NO.:

DATE RECEIVED: 6/21/2012
DATE ANALYZED: 6/21/2012
DATE REPORTED: 6/22/2012
Sample Type: PAINT

SLI Sample No.	Client Sample No.	Collection Date	Sample Description	Sample Wt (mg)	Total Lead (µg)*	Lead Conc (% by wt)	Lead Conc PPM
31507576	Paint-001	6/20/2012	Walls	327	< 10.0	< 0.003	< 31

Analysis Run ID: 50134

Analyst: **Omar H. Elshowaya**

Total Number of Pages in Report: 1

Results relate only to samples as received by the laboratory.

Reviewed By **Derek L. Jackson, Analyst**

Visit www.slabinc.com for current certifications.

*Minimum Reporting Limit: 10.0 µg. Lead Based Paint contains 0.5% lead by weight per Federal statute. The OSHA Lead in Construction Standard, 29 CFR 1926.62, is invoked if any lead is present in the sample. Lead-free paint is defined as <0.009% by weight (CPSC). *Data precision justifies 2 significant figures. All internal QC parameters were met. Unusual sample conditions, if any, are described.*

4307-12-298

AECC
ENVIRONMENTAL CONSULTING

Lead Paint Chip Sample Chain of Custody

Project Number 12-135
Client ORTECH
Address 4119 CANAL ROAD
CANASTOTA NY
FORMER NES BUILDING

AECC Contact Name: Bryan Bowers
Office Number: 315-432-9400
Fax Number: 315-432-9405
Email: labdata@aeccgroup.com

Sample ID	Location	Description	Analysis Required
PAINT-001	WALLS	WHITE PAINT	EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead
			EPA 7000B Lead

WorkOrderKey
V : \ 892 \ 892833

Reporting Information: e-mail – (labdata@aeccgroup.com)

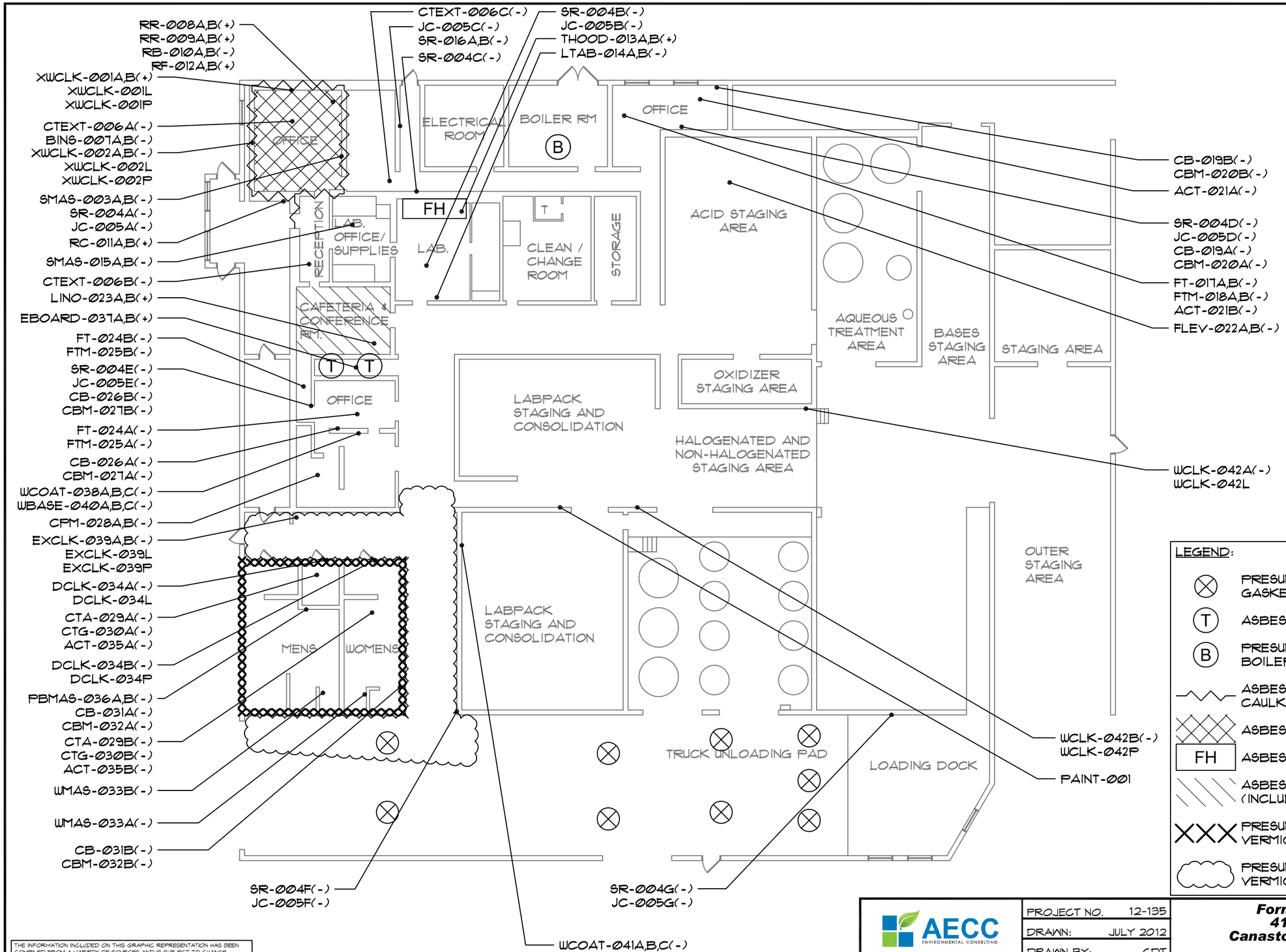
Sample Turnaround Time: 5 DAY **Verbal To:** / **Phone:** /

Sampled By: [signature]	**Date:** 6/20/12	**Time:**	
Shipped By:	**Date:**		
Received By Lab: [signature]	**Date:** 6-21-12		
Results e-mailed By:	**Date:**		

G 0402 R

ATTACHMENT F

SAMPLE LOCATION DRAWING (FIGURE 1)



LEGEND:

- ⊗ PRESUMED ASBESTOS-CONTAINING LIGHT GASKET
- (T) ASBESTOS-CONTAINING ELECTRICAL BOARD
- (B) PRESUMED ASBESTOS-CONTAINING INTERNAL BOILER COMPONENTS
- ASBESTOS-CONTAINING ROOF CEMENT AND CAULK
- ASBESTOS-CONTAINING ROOFING MATERIALS
- FH ASBESTOS-CONTAINING FUME HOODS
- ASBESTOS-CONTAINING LINOLEUM FLOORING (INCLUDING BACKING, GLUE, AND MASTICS)
- XXX PRESUMED ASBESTOS-CONTAINING VERMICULITE INSULATION
- PRESUMED ASBESTOS-CONTAINING VERMICULITE INSULATION DEBRIS

AECC ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6296 Fly Road, Suite 2
East Syracuse, NY 13057

PROJECT NO.	12-135
DRAWN:	JULY 2012
DRAWN BY:	CDT
CHECKED BY:	BB
FILE NAME:	

Former NES Building
4119 Canal Road
Canastota, New York 13032
Floor Plan

Limited Hazardous Materials Pre-Demolition Survey

FIGURE
1

ATTACHMENT E

TRC SUPPLEMENTAL PRE-DEMOLITION SURVEY FOR HAZARDOUS BUILDING MATERIALS

SURVEY REPORT

SUPPLEMENTAL PRE-DEMOLITION SURVEY FOR HAZARDOUS BUILDING MATERIALS

FORMER NES BUILDING
4119 CANAL ROAD
CANASTOTA, NEW YORK

NYSDEC Haz-O-Waste Project

Prepared for

New York State
Department of Environmental Conservation
Syracuse, New York

Prepared by

TRC
Windsor, Connecticut

Issued
February 2013

SUPPLEMENTAL PRE-DEMOLITION SURVEY FOR HAZARDOUS BUILDING MATERIALS

FORMER NES BUILDING
4119 CANAL ROAD
CANASTOTA, NEW YORK

NYSDEC Haz-O-Waste Project

Prepared for

New York State
Department of Environmental Conservation
Syracuse, New York

Prepared by

TRC
Windsor, Connecticut

Edmund Burke
Professional Engineer

TRC Project No. 198432-0000-00000
February 2013

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone (860) 298-9692
Facsimile (860) 298-6380

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APPENDICES

TABLES

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
FORMER NES BUILDING
4119 CANAL ROAD, CANASTOTA, NEW YORK

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
1	Exterior – A side	RS1 – rivet sealant	NAD*
2	Exterior – A side	RS1 – rivet sealant	NAD*1
3	Boiler room	DWG1 – black, pliable door window glaze	NAD*
4	Boiler room	DWG1 – black, pliable door window glaze	NAD*1
5	Electrical room	TP1 – transformer paper insulation	N/A
6	Electrical room	TP1 – transformer paper insulation	NAD*

Note: Sampling conducted to supplement prior existing survey report information. Refer to prior survey report for further building information.

NAD No asbestos detected
1 Confirmed by TEM analyses (NY NOB 198.4)
* Analyzed via PLM gravimetric reduction techniques with EPA 400 Point Count (NY NOB 198.6)

TABLE 2
IDENTIFIED/ASSUMED ASBESTOS CONTAINING MATERIALS (>1%)
FORMER NES BUILDING
4119 CANAL ROAD, CANASTOTA, NEW YORK

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
Penetration flashing	Assumed 1/2013	Roof – southwest portion	Category I Non-Friable	Miscellaneous	35 SF

Note: Sampling conducted to supplement prior existing survey report information. Refer to prior survey report for further building information.

AHERA Categories = thermal system insulation (TSI), surfacing material or miscellaneous
NESHAP Categories = friable, category I non-friable or category II non-friable
Friable = crumbled, pulverized or reduced to powder by hand pressure when dry
Category I Non-friable = packings, gaskets, resilient floor covering and asphalt roofing
Category II Non-friable = all non-friable that is not Category I

TABLE 3
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS (<1%)
FORMER NES BUILDING
4119 CANAL ROAD, CANASTOTA, NEW YORK

Material	General Location
RS1 – rivet sealant	Exterior – sides A, B, C, D & roof
TP1 – transformer paper insulation	Electrical room
DWG1 – black, pliable door window glaze	Boiler room

Note: Sampling conducted to supplement prior existing survey report information. Refer to prior survey report for further building information.

TABLE 4
SUMMARY OF LEAD PAINT XRF MEASUREMENTS & PAINT CHIP DATA
FORMER NES BUILDING
4119 CANAL ROAD, CANASTOTA, NEW YORK

Structure	No. of XRF Measurements	Calibrations	No Lead Detected	Lead Detected	Lead Levels
Former NES Building	49	7	40	2	0.0-0.2 mg/cm^2
Structure	**No. of Paint Chip Samples**	**Blanks**	**No Lead Detected**	**Lead Detected**	**Lead Levels**
Painted Metal I-Beams	1	0	0	1	6.2 ppm

See Lead Paint XRF Measurement Table and Lab Paint Chip Data in Appendix D.

Note: Sampling conducted to supplement prior existing survey report information. Refer to prior survey report for further building information.

TABLE 5 SUMMARY OF COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION FORMER NES BUILDING 4119 CANAL ROAD, CANASTOTA, NEW YORK			
Waste Stream	**Metal**	**TCLP mg/L Leachate**	**Hazardous/Non-Hazardous**
Former NES Building Composite (Excluding metal substrates and concrete foundation materials)	Lead	0.043	Non-Hazardous
Waste Stream	**Metal**	**Total mg/kg & SPLP mg/L leachate**	**Qualifies for NYSDEC BUD**
Former NES Building Painted CMU/Concrete composite	Lead	7.3 mg/kg ND<0.0030 mg/L	Yes

The composite building material sample was analyzed following the Toxicity Characteristic Leaching Procedure (TCLP) for Resource Conservation Recovery Act (RCRA) leachable lead to determine hazardous/non-hazardous waste disposal characterization. The sample was a composite of wood, wallboard, flooring, roofing and other building materials and was collected in approximate percent by weight proportions to represent the building demolition waste stream as a whole. The sample did not include any metal components, as metal items should be recycled to promote waste minimization efforts, rather than disposed of, and the recycling operation is exempt from the USEPA RCRA Hazardous Waste regulations. The sample also did not include foundation materials (concrete/stone/etc.), as these materials are used as clean fill during the demolition process or recycled and are therefore not part of the waste disposal stream.

The painted concrete sample was analyzed for lead following the Synthetic Precipitation Leaching Procedure (SPLP) and Total Metal Procedures. This sample was collected in an effort to determine if the materials met the NYDEC pre-determined Beneficial Use Determination (BUD) for reuse on-site/recycling.

See Appendix E for results.

BDL - Below Detection Limit
ND - Not Detected

TABLE 6
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS, WASTES AND ITEMS IDENTIFIED
FORMER NES BUILDING
4119 CANAL STREET, CANASTOTA, NEW YORK

Quantity	Size	Material/Item	General Location	Potential Hazard
One (1)		Exit sign	Front entrance area	UW – Hg lamp UW-used electronics (printed circuit boards)
One (1)		Halogen light		UW – Hg lamp
Two (2)		Pull type fire alarms	Front hallway	UW – used electronics (printed circuit boards) UW – Hg switch
One (1)		Exit sign		UW – Hg lamp UW-used electronics (printed circuit boards)
Three (3)		Light fixtures with fluorescent bulbs & ballasts	Front office	RW – PCB ballasts UW – Hg lamps
One (1)		Smoke detector		Low-level radioactive source
Two (2)		Gas chromatographs	Lab	UW-used electronics (printed circuit boards)
One (1)		Hg analyzer unit		UW-used electronics (printed circuit boards)
One (1)		Trace analyzer unit		UW-used electronics (printed circuit boards)
Eight (8)		Light fixtures with fluorescent bulbs & ballasts		RW – PCB ballasts UW – Hg lamps
Three (3)		Chemical fire extinguishers		RW – waste chemical solid
One (1)		Small refrigerator		CFC's/Freon
Two (2)		Emergency lights		UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)

RW- State Regulated Waste-PCBs, Oils, waste chemical liquids, sludges, waste chemical solids
UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)
I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140^{o}F) (D001)
C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)
T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

TABLE 6 cont. INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS, WASTES AND ITEMS IDENTIFIED 4119 CANAL STREET CANASTOTA, NEW YORK				
One (1)		Alarm panel	Office supplies	UW-used electronics (printed circuit boards)
One (1)		Smoke detector		Low-level radioactive source
One (1)		Emergency light		UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
One (1)		Fire extinguisher		RW – waste chemical solid
Two (2)		Fire extinguishers	Hall outside lab	RW – waste chemical solid
One (1)		Exit sign		UW – Hg lamp UW-used electronics (printed circuit boards)
Two (2)		Halogen lights		UW – Hg lamp
One (1)		Emergency light		UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
One (1)		Pull type fire alarm		UW – used electronics (printed circuit boards) UW – Hg switch
One (1)		Light fixture with fluorescent bulbs & ballasts	Storage room	RW – PCB ballasts UW – Hg lamps
One (1)		Hg thermostat	Back office	UW – Hg ampoule
Fourteen (14)		Light fixtures with fluorescent bulbs & ballasts		RW – PCB ballasts UW – Hg lamps
Two (2)		Light fixtures with fluorescent bulbs & ballasts	Rear hallway (o/s boiler room)	RW – PCB ballasts UW – Hg lamps

RW- State Regulated Waste-PCBs, Oils, waste chemical liquids, sludges, waste chemical solids
UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)
I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140^{o}F) (D001)
C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)
T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

TABLE 6 cont. INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS, WASTES AND ITEMS IDENTIFIED 4119 CANAL STREET CANASTOTA, NEW YORK				
Five (5)		Emergency lights	Rear hallway (o/s boiler room)	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
One (1)		Fire extinguisher		RW – waste chemical solid
One (1)		Control panel	Boiler room	UW-used electronics (printed circuit boards)
One (1)		Light fixtures with fluorescent bulbs & ballasts	Electrical room	RW – PCB ballasts UW – Hg lamps
Twelve (12)		"Dual volt HID Lamp Ballast" (Non-PCB)		RW – waste chemical liquid/DEHP
Three (3)		Alarm panels		UW-used electronics (printed circuit boards)
One (1)		Digital electric meter		UW-used electronics (printed circuit boards)
Six (6)		Halogen lights	Acid staging area	UW – Hg lamp
Two (2)		Fire extinguishers		RW – waste chemical solid
One (1)		Control panel		UW-used electronics (printed circuit boards)
One (1)		Fire suppression system		RW – waste chemical solid
Two (2)		Control panels	Aqeous treatment area	UW-used electronics (printed circuit boards)
Two (2)		Smoke detectors		Low-level radioactive source
One (1)		Halogen light		UW – Hg lamp
Twenty (20)		Halogen lights	Staging area	UW – Hg lamp
Two (2)		Fire suppression systems		RW – waste chemical solid
Four (4)		Fire extinguishers		RW – waste chemical solid
Four (4)		Halogen lights	Outer staging area	UW – Hg lamp
Nine (9)		Halogen lights	Truck loading area	UW – Hg lamp

RW- State Regulated Waste-PCBs, Oils, waste chemical liquids, sludges, waste chemical solids
UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)
I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140^{o}F) (D001)
C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)
T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

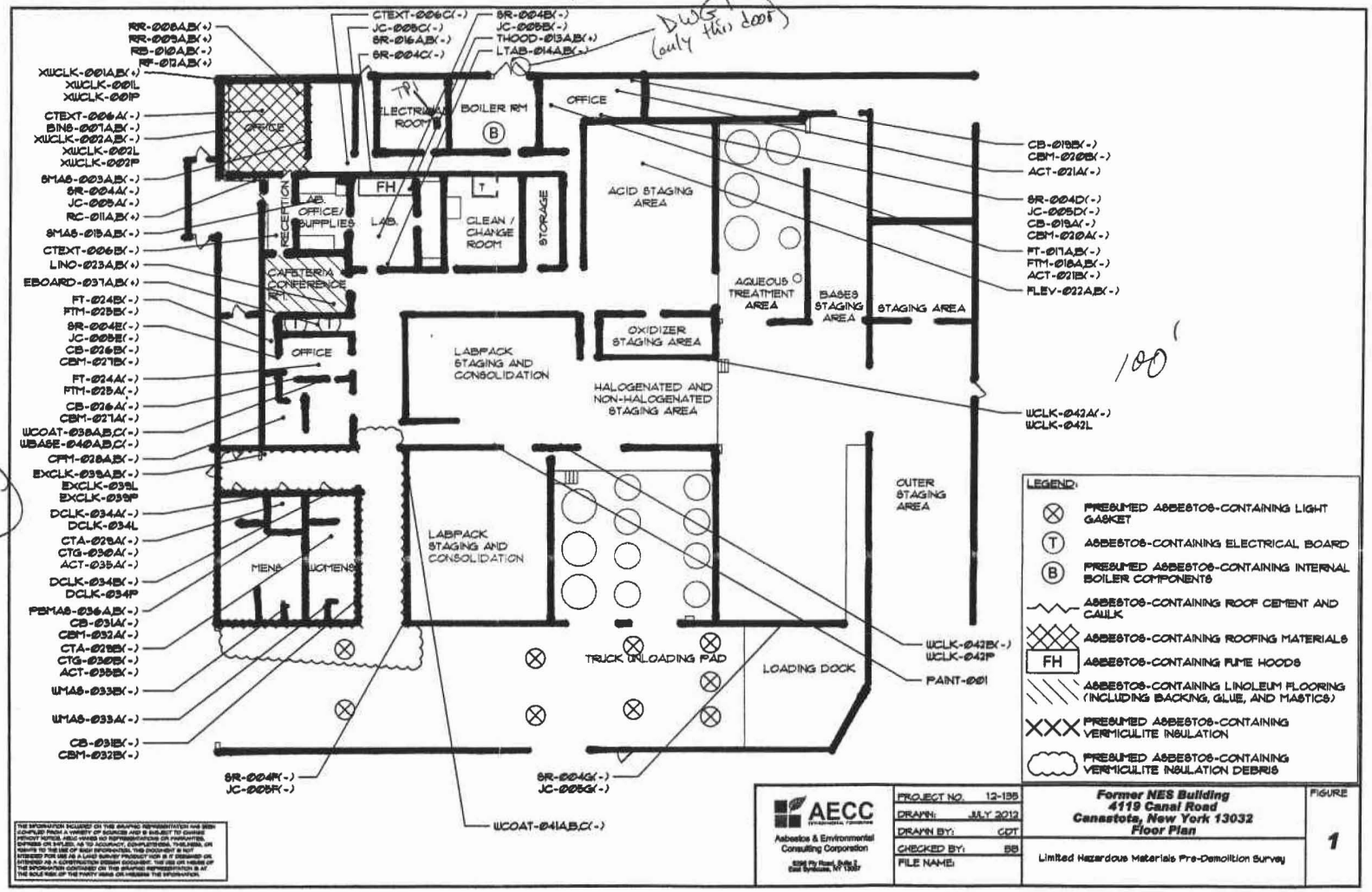
TABLE 6 cont. INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS, WASTES AND ITEMS IDENTIFIED 4119 CANAL STREET CANASTOTA, NEW YORK				
One (1)		Control panel	Lab pack staging area	UW-used electronics (printed circuit boards)
One (1)		Fire suppression system		RW – waste chemical solid
Two (2)		Fire extinguishers		RW – waste chemical solid
Four (4)		Halogen lights		UW – Hg lamp
One (1)		Pull type fire alarm		UW – used electronics (printed circuit boards) UW – Hg switch
Seven (7)		Light fixtures with fluorescent bulbs & ballasts	Women's bathroom	RW – PCB ballasts UW – Hg lamps
One (1)		Emergency light		UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
One (1)	12 oz	Aerosol spray can		I
Eighteen (18)		Light fixtures with fluorescent bulbs & ballasts	Men's bathroom	RW – PCB ballasts UW – Hg lamps
Three (3)	19 oz	Aerosol spray cans		I
One (1)	32 oz	Bottle of Clorox		C
One (1)		Emergency light		UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)

RW- State Regulated Waste-PCBs, Oils, waste chemical liquids, sludges, waste chemical solids
UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)
I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140^{o}F) (D001)
C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)
T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

APPENDIX A

SITE SKETCHES

)WGI- black, pliable dr wood glaze
PI- transformer paper ins.



SHEET NO. 1 OF 1

PROJECT NO.

DATE 1/23/13

BY

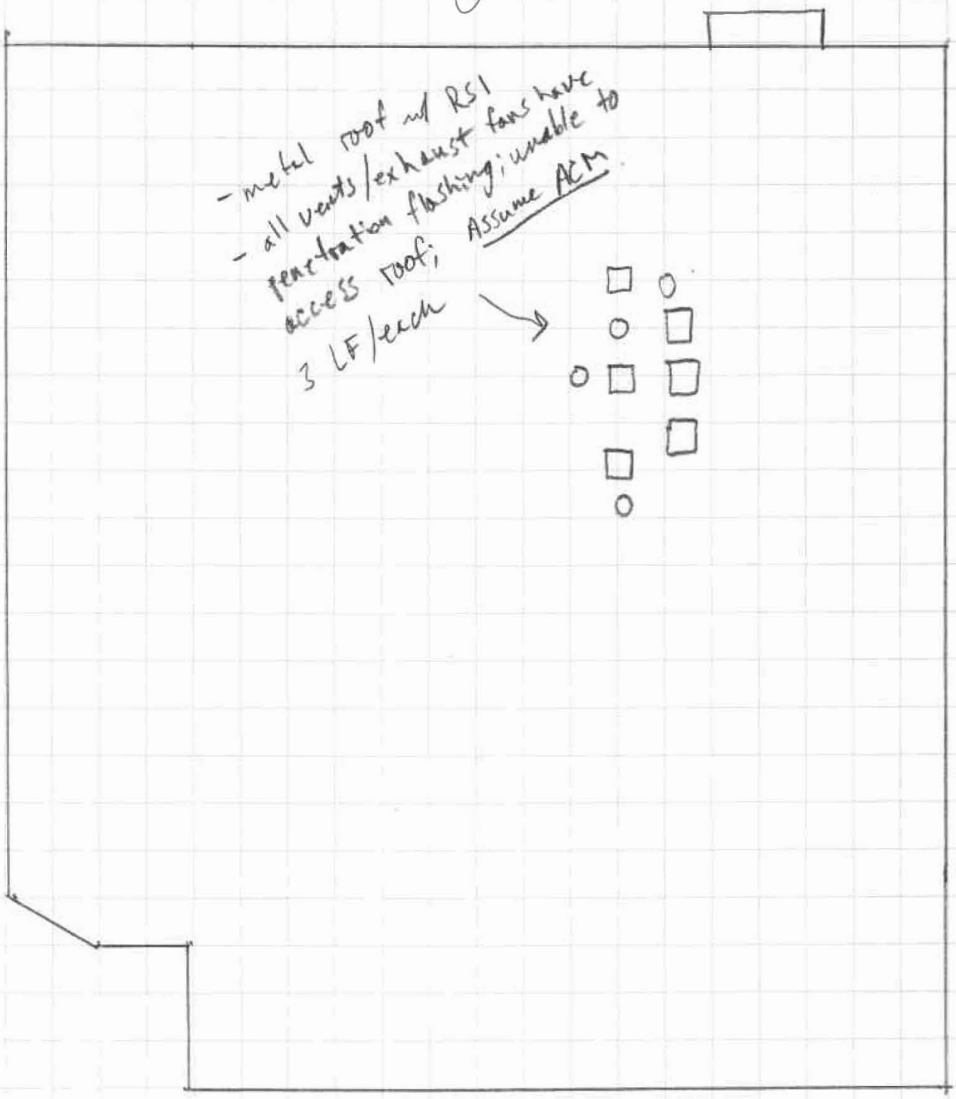
CHK'D

SUBJECT Roof - NEC bldg, Canastota, NY

5'

100'

(A)



130'

RSI - ext rivet sealant

- metal wall panels, 3' x 15'-20', each w/ ≈ 10 rivets w/ RSI (all walls & roof)

A

APPENDIX B

TRC LICENSES/CERTIFICATIONS

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

TRC Environmental Corporation

1430 Broadway, 10th Floor

New York, NY 10018

FILE NUMBER: 99-0373
LICENSE NUMBER: 31038
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/02/2012
EXPIRATION DATE: 05/31/2013

Duly Authorized Representative – Edward Gerdts.

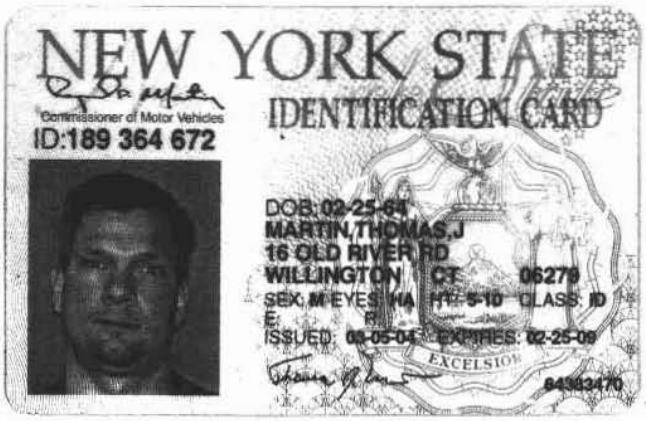
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)


NEW YORK STATE
IDENTIFICATION CARD
Commissioner of Motor Vehicles
ID:189 364 672
DOB: 02-25-64
MARTIN,THOMAS,J
16 OLD RIVER RD
WILLINGTON CT 06279
SEX: M EYES: HA HT: 5-10 CLASS: ID
E R
ISSUED: 09-05-04 EXPIRES: 02-25-09
EXCELSIOR
84383470

CERTIFICATE OF ACHIEVEMENT

This certifies that

Tom Martin

has successfully completed the

Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

Official record of successful completion of this course is he DOH 2832 cert. issued on February 2, 2012.

conducted by

ATC Associates Inc.
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor

February 2, 2012
Date of Course

February 2, 2013
Expiration Date

Gregory J. Morock
Regional Manager

SIAR - 4103
Certificate Number

February 2, 2012
Examination Date

United States Environmental Protection Agency

This is to certify that

TRC Environmental Corporation

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires May 3, 2015

NY-2594-3

Certification #

APR 02 2012

Issued On

John Gorman, Chief

Pesticides & Toxic Substances Branch

National Lead Assessment and Abatement Council 0714

CANDIDATE PICTURE
NOT AVAILABLE

THOMAS MARTIN
14 PINNEY ST APT 46
ELLINGTON, CT 06029

SSN: 041-62-3014
BDATE: 02/25/64
ASI ID: 33-US-33001159

EXAMINATION: **Lead Inspector**
EXAM DATE: 08/26/00

OFFICIAL DUPLICATE

EXAMINATION RESULT: **PASS**

Congratulations! ASI is pleased to informed you that you have PASSED the National Lead Assessment and Abatement Council (NLAAC) Lead Inspector examination.

If you have any questions regarding your permit/license, please contact the appropriate regulatory agency in your state.

Certificate of Training

Awarded to

THOMAS MARTIN
21 GRIFFIN ROAD NORTH, WINDSOR, CT 06095

has successfully completed a 7 hour, 1 day
Lead Inspector Refresher Training

January 9, 2013

This training course was approved and given in accordance with the Department of Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes

Presented by

Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: LITR21840 **Exam Grade: 100** **Exam Date: 01/09/2013** **Expiration Date: 01/09/2014**

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Haffey, Training Director

APPENDIX C

ASBESTOS BULK SAMPLE
PLM/TEM DATA

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
198432-0000-00000	Former NES Building 4119 Canal St., Canastota, NY		PLM: [ ] 8hr [ ] 24hr [ ] 48hr [X] 3day TEM: [ ] 24hr [ ] 48hr [ ] 3day [X] 5day
SIGNATURE	INSPECTOR		
Tom Martin	Tom Martin		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
01	1/23/13	0825		X	Exterior – A side	X					RS1 – rivet sealant
02	1/23/13	0828		X	Exterior – A side	X				X	RS1 – rivet sealant
03	1/23/13	1235		X	Boiler room	X					DWG1 – black, pliable door window glaze
04	1/23/13	1231		X	Boiler room	X				X	DWG1 – black, pliable door window glaze
05	1/23/13	1238		X	Electrical room	X					TP1 – transformer paper insulation
06	1/23/13	1240		X	Electrical room	X					TP1 – transformer paper insulation

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Tom Martin	1/25/13	Brad St			
(Printed) Tom Martin	Time: 1415	(Printed)	(Printed)	Time:	(Printed)

Remarks: please email results to tmartin@trcsolutions.com
NYSDEC Call-Out ID 120785

Condition of Samples: _____
Acceptable: Yes _____ No _____
Comments:

Page 1 of 1

#3 29

2/7/2013

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hoffman, Sally	Carrier Tracking No(s):	COC No: 480-8113,1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sally.hoffman@testamericainc.com		Page: Page 1 of 1
Company: EMLab P&K		**Analysis Requested**		Job #: 480-32098-1
Address: 1938 Olney Avenue.	Due Date Requested: 2/7/2013			
City: Cherry Hill	TAT Requested (days):			
State, Zip: NJ, 08003	PO #:			
Phone:	WO #:			
Email:	Project #: 48005795			
Project Name: Haz-O-Waste (NES) #727003	SSOW#:			
Site:				

001020884

J - DI Water V - MCAA
K - EDTA W - pH 4-5
L - EDA Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B_S1_11B	Total Number of containers	Special Instructions/Note:
			Preservation Code:					
Exterior- A side (480-32098-1)	1/23/13	08:25 Eastern		Solid		X		
Exterior- A side (480-32098-2)	1/23/13	08:28 Eastern		Solid		X		
Boiler room (480-32098-3)	1/23/13	12:35 Eastern		Solid		X		
Boiler room (480-32098-4)	1/23/13	12:31 Eastern		Solid		X		
Electrical room (480-32098-5)	1/23/13	12:38 Eastern		Solid		X		
Electrical room (480-32098-6)	1/23/13	12:40 Eastern		Solid		X		

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	1/29/13 1530			1/30/13	EMLabP&K
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

EMLab P&K
1936 Olney Avenue, Cherry Hill, NJ 08003
(866) 871-1984 Fax (856) 489-4085 www.emlab.com

Client Name: TestAmerica- Buffalo
Client Address: 10 Hazelwood Drive, Suite 106, Amherst, NY 14228
C/O: Sally Hoffman
Re: 48005795

Date of Sampling: 01-23-2013
Date of Receipt: 01-30-2013
Date of Report: 02-04-2013
NY ELAP Lab ID: 11951

ASBESTOS GRAVIMETRIC POINT COUNT BY NEW YORK STATE ELAP 198.6 METHOD FOR NOB SAMPLES

Sample ID - Layer #	480-32098-1 - Layer 1
Lab ID-Version‡	4570011-1
Color and Description of Sample/Layer	Black Sealant
Presence or Asbsence of Asbestos*	Inconclusive - No asbestos detected***
Non-Asbestos Fibrous Material**	None detected
Non-Fibrous Matrix Material	100% Other

Comments: This sample is non-friable. Weight of sample analyzed was below that reccomended for this analysis.

Sample ID - Layer #	480-32098-2 - Layer 1
Lab ID-Version‡	4570012-1
Color and Description of Sample/Layer	Black Sealant
Presence or Asbsence of Asbestos*	Inconclusive - No asbestos detected***
Non-Asbestos Fibrous Material**	None detected
Non-Fibrous Matrix Material	100% Other

Comments: This sample is non-friable.

Sample ID - Layer #	480-32098-3 - Layer 1
Lab ID-Version‡	4570013-1
Color and Description of Sample/Layer	Black window glazing
Presence or Asbsence of Asbestos*	Inconclusive - No asbestos detected***
Non-Asbestos Fibrous Material**	<0.25% Glass fibers
Non-Fibrous Matrix Material	99.75% Other

Comments: This sample is non-friable. Weight of sample analyzed was below that reccomended for this analysis.

Sample ID - Layer #	480-32098-4 - Layer 1
Lab ID-Version‡	4570014-1
Color and Description of Sample/Layer	Black window glazing
Presence or Asbsence of Asbestos*	Inconclusive - No asbestos detected***
Non-Asbestos Fibrous Material**	<0.25% Glass fibers
Non-Fibrous Matrix Material	99.75% Other

Comments: This sample is non-friable. Weight of sample analyzed was below that reccomended for this analysis.

‡ A "Version" greater than 1 indicates amended data.

* Percentages of asbestos are based on stratified point counts. A scanning option is used for negative samples.

**The non-asbestos fibrous percentages are based on a calibrated visual estimate as per the ELAP 198.6 Method.

***Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Qualitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of sixty (60) days, according to all state and federal guidelines, unless otherwise specified.

EMLab P&K
1936 Olney Avenue, Cherry Hill, NJ 08003
(866) 871-1984 Fax (856) 489-4085 www.emlab.com

Client Name: TestAmerica- Buffalo
Client Address: 10 Hazelwood Drive, Suite 106, Amherst, NY 14228
C/O: Sally Hoffman
Re: 48005795

Date of Sampling: 01-23-2013
Date of Receipt: 01-30-2013
Date of Report: 02-04-2013
NY ELAP Lab ID: 11951

ASBESTOS GRAVIMETRIC POINT COUNT BY NEW YORK STATE ELAP 198.6 METHOD FOR NOB SAMPLES

Sample ID - Layer #	480-32098-5 - Layer 1
Lab ID-Version‡	4570015-1
Color and Description of Sample/Layer	Yellow paper Insulation
Presence or Asbsence of Asbestos*	Unknown
Non-Asbestos Fibrous Material**	N/A
Non-Fibrous Matrix Material	N/A

Comments: This sample is non-friable. Weight of sample was below that reccomended for this analysis. This sample could not be analyzed because >1% of the processed weight was calculated as remaining following the full gravimetric reduction but no visible residue was observed.

Sample ID - Layer #	480-32098-6 - Layer 1
Lab ID-Version‡	4570016-1
Color and Description of Sample/Layer	Yellow paper Insulation
Presence or Asbsence of Asbestos*	Non-ACM
Non-Asbestos Fibrous Material**	N/A
Non-Fibrous Matrix Material	N/A

Comments: This sample is non-friable. This sample is considered a Non-asbestos containing material since there was <1% of the processed weight remaining as residue following the full gravimetric reduction.

‡ A "Version" greater than 1 indicates amended data.
* Percentages of asbestos are based on stratified point counts. A scanning option is used for negative samples.
**The non-asbestos fibrous percentages are based on a calibrated visual estimate as per the ELAP 198.6 Method.
***Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Qualitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of sixty (60) days, according to all state and federal guidelines, unless otherwise specified.

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 515068

Mailing/Billing Inform
1. Client Name:
2. Address 1:
3. Address 2:
4. Address 3:
5. Phone #:

Contact Information:
Kim Thomas
856-489-4455
Email Results:
kthomas@emlabpk.com
ddevine@emlabpk.com

Submittal Information:
1. Job Name: 480-32098-1
2. Job Location:
3. Job #: 1020884 P.O. #:
4. Contact Person: @ phone #
5. Submitted by: Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)
☐ Immediate Date Due:
☐ 24 Hours Time Due:
Comments:

NORMAL BUSINESS HOURS
☐ Immediate ☐ 3 Day
☐ Next Day ☐ 5 Day +
☒ 2 Day Date Due: 2/7/13
☐ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)

REPORT TO:
☐ Include
☐ Email:
☐ Fax:
☐ Verbals

Contact Information:
Kim Thomas
856-489-4455
Email Results:
kthomas@emlabpk.com
ddevine@emlabpk.com

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
☐ NIOSH 7400 (QTY)
☐ Fiberglass (QTY)
TEM Air – Please Indicate Filter Type:
☐ AHERA (QTY)
☐ NIOSH 7402 (QTY)
☐ Other (specify) (QTY)
PLM Bulk
☐ EPA 600 – Visual Estimate (QTY)
☐ EPA Point Count (QTY)
☐ NY State Friable 198.1 (QTY)
☐ Grav. Reduction ELAP 198.6 (QTY)
☐ Other (specify) (QTY)
MISC
☐ Vermiculite
☐ Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)

TEM Bulk
☐ ELAP 198.4/Chatfield (QTY)
☐ NY State PLM/TEM (QTY)
☐ Residual Ash (QTY)
TEM Dust
☐ Qual. (pres/abs) Vacuum/Dust (QTY)
☐ Quan. (s/area) Vacuum D5755-95 (QTY)
☐ Quan. (s/area)Dust D6480-99 (QTY)
TEM Water
☐ Qual. (pres/abs) (QTY)
☐ ELAP 198.2/EPA 100.2 (QTY)
☐ EPA 100.1 (QTY)

☒ All samples received in good condition unless otherwise noted.
(TEM Water samples °C)

Metals Analysis
☐ Pb Paint Ch
☐ Pb Dust Wi
☐ Pb Air
☐ Pb Soil/Solid (QTY)
☐ Pb TCLP (QTY)
☐ Drinking Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
☐ Waste Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
☐ Pb Furnace (Media) (QTY)
Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples:
Collection Media
☐ Spore-Trap (QTY) ☐ Surface Vacuum Dust (QTY)
☐ Surface Swab (QTY) ☐ Culturable ID Genus (Media) (QTY)
☐ Surface Tape (QTY) ☐ Culturable ID Species (Media) (QTY)
☐ Other (Specify) (QTY)

CLIENT ID NUMBER	SAMPLE INFORMATION: SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	MATRIX: DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
480-32098-2	Exterior-Side A	1/31/13			X												Date/Time: Contact: By:
480-32098-4	Boiler Room	1/31/13			X												
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: 2/5/13 @ 945 Via: Fedex By (Print): MBM Sign:
2. Date/Time Analyzed: 2/6/13 @ 19:50 By (Print): Amy Cao Sign:
3. Results Reported To: Kim Via: Email Date: 2/6/13 Time: 19:55 Initials:
4. Comments: 514e 0991 5321

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	EMLab P&K	**Job Name:**	480-32098-1	**Chain of Custody:**	515068
Address:	1936 Olney Avenue	**Job Location:**	Not Provided	**Date Analyzed:**	2/6/2013
	Cherry Hill, New Jersey 08003	**Job Number:**	1020884	**Person Submitting:**	Kim Thomas
		P.O. Number:	Not Provided		
Attention:	Kim Thomas				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13034277	480-32098-2	Residue	NAD	N/A	NAD		78.7%	3.3%	18.0%			
13034278	480-32098-4	Residue	NAD	N/A	NAD		45.8%	29.0%	25.2%			

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar **Analyst(s)** Ang Cao

NY ELAP (#10920) Accredited Laboratory

4475 Forbes Blvd. · Lanham, MD, 20706 · (301) 459-2640 · Toll Free (800) 346-0961 · Fax (301) 459-2643

APPENDIX D

LEAD PAINT XRF MEASUREMENT TABLE & LAB PAINT CHIP DATA

Lead Based Paint Measurement Summary Table

Device(s):	**Niton XLP301-A (Serial #25555) X Ray Fluorescence (XRF) Spectrum Analyzer**
Site:	**Former NES Building, 4119 Canal Street, Canastota, NY**
Project # :	**198432-0000-00000**
Date(s):	**1/23/2013**
Inspector:	**Thomas J. Martin**

Number	Interior/ Exterior	Floor	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1		Self Calibration								1.9	0		187.07	1/23/2013 10:34
2		Calibration								0.0	0.02	1.67	2.96	1/23/2013 10:38
3		Calibration								0.3	0.12	1.05	2.78	1/23/2013 10:39
4		Calibration								1.4	0.1	1.04	5.1	1/23/2013 10:39
5	Interior	1	office	D	Wall		Concrete	White	INTACT	0.0	0.02	1.6	2.79	1/23/2013 10:43
6	Interior	1	office	A	Door	Casing	Wood	White	INTACT	0.0	0.02	1	2.46	1/23/2013 10:44
7	Interior	1	office	A	Wall	--	Sheetrock	White	INTACT	0.0	0.02	1	3.44	1/23/2013 10:45
8	Interior	1	office	A	Window	sash	Wood	White	INTACT	0.0	0.04	1.21	1.97	1/23/2013 10:46
9	Interior	1	office	B	Wall	--	Sheetrock	White	DEFECTIVE	0.0	0.02	1	1.81	1/23/2013 10:47
10	Interior	1	office	--	Ceiling	--	Sheetrock	White	DEFECTIVE	0.0	0.02	1	1.64	1/23/2013 10:48
11	Interior	1	lab	B	Wall	--	Sheetrock	White	INTACT	0.0	0.02	1	2.46	1/23/2013 10:52
12	Interior	1	lab	C	Wall	--	Sheetrock	White	INTACT	0.0	0.02	1	2.29	1/23/2013 10:52
13	Interior	1	front hallway	A	Wall	--	Wood	White	INTACT	0.0	0.02	1	2.29	1/23/2013 10:54
14	Interior	1	front hallway	C	Wall	--	Concrete	White	INTACT	0.0	0.06	3	2.95	1/23/2013 10:55
15	Interior	1	front hallway	C	Window	Casing	Wood	White	INTACT	0.0	0.02	1	2.46	1/23/2013 10:55
16	Interior	1	front hallway	A	I-beam	--	Metal	Red	INTACT	0.0	0.02	1	2.46	1/23/2013 10:57
17	Interior	1	front hallway	A	I-beam	--	Metal	Red	INTACT	0.0	0.02	1	3.12	1/23/2013 10:57
18	Interior	1	front hallway	A	Door	Casing	Metal	White	INTACT	0.0	0.02	1	2.46	1/23/2013 11:01
19	Interior	1	front hallway	A	Door	--	Metal	White	INTACT	0.0	0.02	1	2.13	1/23/2013 11:01
20	Interior	1	front hallway	D	Wall	--	Concrete	White	INTACT	0.0	0.03	4.18	3.59	1/23/2013 11:02
21	Interior	1	bthrm hallway	--	I-beam	--	Metal	Red	INTACT	0.0	0.02	1	2.45	1/23/2013 11:03
22	Interior	1	bthrm hallway	--	I-beam	--	Metal	Red	INTACT	0.0	0.02	1	2.29	1/23/2013 11:04
23	Interior	1	bthrm mens	D	Wall	--	Concrete	White	INTACT	0.0	0.02	1	3.43	1/23/2013 11:06
24	Interior	1	bthrm mens	B	Wall	--	Concrete	White	INTACT	0.0	0.02	1.49	4.08	1/23/2013 11:08
25	Interior	1	bthrm mens	A	Wall	--	Concrete	White	INTACT	0.0	0.02	1	3.27	1/23/2013 11:08
26	Interior	1	bthrm mens	C	Door	Casing	Metal	Grey	INTACT	0.0	0.02	1	2.46	1/23/2013 11:09
27	Interior	1	elec rm	C	Wall	--	Wood	Grey	INTACT	0.0	0.02	1	2.47	1/23/2013 11:13
28	Interior	1	boiler rm	C	Wall	--	Sheetrock	White	INTACT	0.0	0.02	1	2.29	1/23/2013 11:15
29	Interior	1	boiler rm	B	Wall	--	Sheetrock	White	INTACT	0.0	0.02	1	1.8	1/23/2013 11:15
30	Interior	1	boiler rm	--	supports	--	Metal	Black	INTACT	0.0	0.02	1	1.97	1/23/2013 11:17
31	Interior	1	boiler rm	--	I beam	--	Metal	Red	INTACT	0.0	0.02	1	2.28	1/23/2013 11:18
32	Interior	1	office	A	Wall	--	Sheetrock	White	INTACT	0.0	0.02	1	2.12	1/23/2013 11:26
33	Interior	1	office	C	Wall	--	Sheetrock	White	INTACT	0.0	0.02	1	2.62	1/23/2013 11:26
34	Interior	1	stg rm	C	Wall	--	Sheetrock	White	INTACT	0.0	0.03	1.74	2.45	1/23/2013 11:28

Lead paint includes paint found to contain **any detectable** amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise

Lead Based Paint Measurement Summary Table

Device(s):	**Niton XLP301-A (Serial #25555) X Ray Fluorescence (XRF) Spectrum Analyzer**
Site:	**Former NES Building, 4119 Canal Street, Canastota, NY**
Project # :	**198432-0000-00000**
Date(s):	**1/23/2013**
Inspector:	**Thomas J. Martin**

Number	Interior/ Exterior	Floor	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
35	Interior	1	back hallway	D	Wall	--	Concrete	Grey	INTACT	0.1	0.05	2.4	5.1	1/23/2013 11:29
36	Interior	1	labpack staging-cons rm	D	Wall	--	Concrete	Grey	INTACT	0.0	0.04	2.88	2.79	1/23/2013 11:35
37	Interior	1	labpack staging-cons rm	A	Wall	--	Concrete	Grey	INTACT	0.0	0.02	1	2.78	1/23/2013 11:36
38	Interior	1	labpack staging-cons rm	B	Wall	--	Concrete	Grey	INTACT	0.0	0.02	1	3.44	1/23/2013 11:36
39	Interior	1	labpack staging-cons rm	D	Wall	--	Concrete	Grey	INTACT	0.0	0.02	1.95	4.43	1/23/2013 11:37
40	Interior	1	labpack staging-cons rm	B	Wall	--	Concrete	Grey	INTACT	0.0	0.06	4.97	2.79	1/23/2013 11:39
41	Interior	1	labpack staging-cons rm	--	Floor	--	Concrete	Grey	INTACT	0.0	0.02	1	2.47	1/23/2013 11:40
42	Interior	1	labpack staging-cons rm	--	Floor	--	Concrete	Grey	INTACT	0.0	0.02	1	2.45	1/23/2013 11:40
43	Interior	1	acid staging area	A	Wall	--	Concrete	White	INTACT	0.2	0.13	7.09	6.4	1/23/2013 11:44
44	Interior	1	acid staging area	C	Wall	--	Concrete	White	INTACT	0.0	0.02	1.11	2.45	1/23/2013 11:44
45	Interior	1	truck loading area	--	stair support	--	Metal	Grey	INTACT	0.0	0.02	1	3.27	1/23/2013 11:50
46	Interior	1	truck loading area	--	I beam	--	Metal	Red	INTACT	0.0	0.02	1	2.61	1/23/2013 11:51
47		Calibration	--	--	--	--	--			0.0	0.02	1	1.8	1/23/2013 11:57
48		Calibration	--	--	--	--	--			0.3	0.07	1.03	3.62	1/23/2013 11:57
49		Calibration	--	--	--	--	--			1.4	0.1	1.08	5.09	1/23/2013 11:58

Lead paint includes paint found to contain **any detectable** amount of lead
by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise

TRC

Edition: September 2007
Supersede Previous Edition

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
I98432-0000-00000	Former NES Building 4119 Canal St., Canastota, NY		24hr 48hr 3day X 5day 24hr 48hr 3day 5day
SIGNATURE Tom Martin	INSPECTOR Tom Martin		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	AAS Pb					NOTES
01-Pb	1/23/13	1145	X		I-beam o/s women's/men's room	X					Paint chip sample

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Tom Martin	Time: 1435	(Printed)	(Printed)	Time:	(Printed)

Remarks: please email results to tmartin@trcsolutions.com
NYSDEC Call-Out ID 120785

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#3 2.9

Client: New York State D.E.C.
Project/Site: Haz-O-Waste (NES) #727003

TestAmerica Job ID: 480-32098-1

Client Sample ID: 01-Pb
Date Collected: 01/23/13 11:45
Date Received: 01/28/13 10:22

Lab Sample ID: 480-32098-7
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2		2.0	0.47	mg/Kg		01/31/13 11:45	02/05/13 14:20	2

APPENDIX E

COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION DATA

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME
198432-0000-00000	Former NEC Building, Canastota, NY
INSPECTOR: (SIGNATURE) [signature]	(PRINTED) Tom Martin

TURNAROUND TIME

TCLP		24hr		48hr		3day	X	5day
SPLP		24hr		48hr		3day	X	5day

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PARAMETERS: TCLP Pb	Total Pb	SPLP Pb			MATERIAL
01 – TCLP	1/23/13	1055			Former NEC building	X					Building composite
01 - SPLP	1/23/13	1058			Former NEC building		X	X			CMU/concrete composite

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
[signature]	1/30/13	[signature] 1300 1/31/13			
(Printed) Tom Martin	Time: 1120	(Printed) Carl Jennings L	(Printed)	Time:	(Printed)

NYSDEC Call-out ID 120785. Results to TMartin@TRCSolutions.com
Any questions regarding chain-of-custody, please call me at 860-798-3248.

Page 1 of 1

14 8 #3

TRC

TCLP WASTE CHARACTERIZATION
FIELD SAMPLE COMPUTATION TABLE

Site: Former NEC building, Canastota, NY

Project No.: 198432-0000-00000

Date: 1/30/2013
Inspector: T. Martin
Prepared by: T. Martin

	A	B									C = A*B	D	E=C*D	G=E/F*100
		Thickness (inches) ft												
Building Component	**Area (SF)**	1/16" **0.005**	1/8" **0.010**	1/2" **0.042**	3/4" **0.063**	1" **0.083**	2" **0.167**	4" **0.333**	6" **0.500**	8" **0.667**	12" **1.000**	**Volume (CF)**	**Density (lb/CF)**	**Mass (lb)**	**% of total Mass**
sheetrock	4155.0			0.042								174.5	50	8725.5	45.1
plaster				0.042								0.0	45	0.0	0.0
brick								0.333				0.0	120	0.0	0.0
roofing	400.0			0.042								16.8	70	1176.0	6.1
wood framing (walls) +	685.0							0.333				228.1	32	7299.4	37.7
wood framing (roof/floors) +	55.0								0.500			27.5	32	880.0	4.5
hardwood flooring						0.083						0.0	45	0.0	0.0
ceiling tile (cellulose)				0.042								0.0	23	0.0	0.0
clapboard				0.042								0.0	40	0.0	0.0
aluminum siding		0.005										0.0	169	0.0	0.0
vinyl			0.010									0.0	120	0.0	0.0
concrete										0.667		0.0	140	0.0	0.0
stone										0.667		0.0	140	0.0	0.0
plywood	400.0				0.063							25.2	34	856.8	4.4
glass			0.010									0.0	170	0.0	0.0
wood trim/window/door	172.0				0.063							10.8	38	411.8	2.1
													Total Mass	19349	100%

= typical thickness value

F=sum of E

+ framing area (SF) per wall = [(6L+3H+2LH)/18], where L & H are in feet, assuming 18" o.c. construction
* CTDEP waste characterization guidelines recommend one TCLP sample for every 2,500 SF of floor space
* concrete/stone foundation should not be included in TCLP sample unless foundation is to be completely removed during demolition and disposed off site
* steel should not be included in TCLP sample, steel to be recycled and not disposed of
* material density values taken from Lindeburg, ME reference manual, 10th edition, 1997
* components with very low density or very low volume (i.e. vinyl flooring/siding, insulations, carpet, ceramic tile, fixtures, etc) presumed negligible to mass and not included
* collect separate aliquot samples of applicable components
* calculate % of total mass for each component
* prepare 100 gram sample in lab by combining subsamples of aliquots at %'s calculated. Do not grind material up, this creates increased surface area and unrepresentative leachability
* submit entire 100 gram sample for TCLP analysis (this eliminates lab analyst error where only a non-representative portion of a larger submitted sample is analyzed) 100 g = method minimum

Client: New York State D.E.C.
Project/Site: Haz-O-Waste (NES) #727003

TestAmerica Job ID: 480-32303-1

Client Sample ID: FORMER NEC BUILDING-01 — **Lab Sample ID: 480-32303-1**
Date Collected: 01/23/13 10:55 — **Matrix: Solid**
Date Received: 01/31/13 13:00

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.043		0.0050	0.0030	mg/L		02/05/13 09:00	02/05/13 17:46	1

Client Sample ID: FORMER NEC BUILDING-02 — **Lab Sample ID: 480-32303-2**
Date Collected: 01/23/13 10:58 — **Matrix: Solid**
Date Received: 01/31/13 13:00 — **Percent Solids: 94.8**

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.3		1.0	0.25	mg/Kg	☼	02/01/13 10:25	02/05/13 17:47	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0030	mg/L		02/05/13 10:50	02/05/13 22:32	1