Construction Completion Report
Admiral Cleaners (401075)
Interim Remedial Measure No. 1 (IRM No.1)
Watervliet, New York

Prepared for

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau E
625 Broadway
Albany, New York 12233

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Science and Technology
269 W. Jefferson Street
Syracuse, New York 13202
(315) 431-4610

January 2021
Version: FINAL
EA Project No. 16025.04

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11 January 2021

Christopher Schroer, Project Manager — Date
EA Science and Technology

11 January 2021

Donald Conan, P.E., P.G., Vice President — Date
EA Engineering, P.C.

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CERTIFICATION

I, Donald Conan, certify that I am currently a New York State Registered Professional Engineer (P.E.), I had primary direct responsibility for the implementation of the subject construction program, and I certify that, all construction activities were completed in substantial conformance with the Division of Environmental Remediation-approved Interim Remedial Measure No. 1 Scope of Work for the building demolition at the Admiral Cleaners Site (Site No. 401075).

Donald Conan, P.E., P.G.
New York State Professional Engineer No. 75666

1-11-2021

Date

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Asbestos containing material
Alpine	Alpine Environmental Services
C&D	Construction and demolition
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
ft	Foot (feet)
IRM	Interim remedial measure
in.	Inch(es)
Jackson	Jackson Demolition
LF	Linear foot (feet)
NAPL	Non-aqueous phase liquid
No.	Number
NYSDEC	New York State Department of Environmental Conservation
PCE	Tetrachloroethene
P.E.	Professional Engineer
PES	Precision Environmental Services
P.G.	Professional Geologist
ppm	Part(s) per million
SF	Square foot (feet)
SOW	Scope of Work
SVOC	Semi-volatile organic compound
UST	Underground storage tank
VOC	Volatile organic compound

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ES. EXECUTIVE SUMMARY

EA Engineering, P.C. and its affiliate EA Science and Technology was tasked by the New York State Department of Environmental Conservation, originally under Work Assignment Number (No.) D007624-38 and continuing under Work Assignment No. D009806-04 to perform a Remedial Investigation, develop a Feasibility Study plan, and oversee two Interim Remedial Measures (IRM) at the Admiral Cleaners Site (No. 401075) in the City of Watervliet, Albany County, New York (**Figure 1**). The IRMs are being implemented to facilitate the remedial investigation and feasibility study process. The scope of IRM No. 1 included demolition of the onsite structure and IRM No. 2 includes a proposed action to remove an underground storage tank (UST) and impacted soil. This report outlines the completion of IRM No. 1, the demolition of the site building at 617 19th Street, Watervliet, New York (**Figure 2**).

Site work was managed by Precision Environmental Services of Ballston Spa, New York, who are a standby remedial construction contractor for New York State Department of Environmental Conservation. Precision Environmental Services subcontracted Jackson Demolition of Schenectady, New York, to complete the building demolition.

The Admiral Cleaners building demolition was completed between 4 and 11 May 2020. Site work included structural shoring; demolition of the site building; disposal of demolition debris including general debris, steel, and asbestos containing materials; site restoration including leveling and stabilization; site monitoring for plumbness, dust, and asbestos; and installation of temporary security fencing.

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1. INTRODUCTION

EA Engineering, P.C. and its affiliate EA Science and Technology (EA) was tasked by the New York State Department of Environmental Conservation (NYSDEC), originally under Work Assignment Number (No.) D007624-38, and continuing under Work Assignment No. D009806-04 to plan and oversee two Interim Remedial Measures (IRMs) and complete a remedial investigation (RI) and feasibility study at the former Admiral Cleaners Site (No. 401075) in the City of Watervliet, Albany County, New York (**Figure 1**).

The onsite structure presented a physical obstacle to performing intrusive investigation (drilling) activities and demolition of the building was necessary to complete RI/feasibility study activities. Furthermore, the structure had been determined to be a hazard to public safety by the City of Watervliet. The scope of IRM No. 1 included demolition of the onsite structure as described in the *Interim Remedial Measure No. 1 Scope of Work (SOW) - Building Demolition* (IRM No. 1 SOW) included as **Appendix A**. IRM No. 2 is a proposed action to remove an underground storage tank (UST) and impacted soil. IRM No.1 is the subject of this Construction Completion Report.

1.1 SITE BACKGROUND

The onsite building was constructed in 1950 and was used as a dry-cleaning facility until 2013. During its operation, the facility used tetrachloroethene (PCE) as a cleaning solvent. In 2007, NYSDEC executed a Consent Order, requiring the facility to obtain required owner/manager and operator dry-cleaning certifications. In November 2008, a third-party inspection indicated that the PCE concentration in the facility's dry-cleaning machine was 845 parts per million (ppm), approximately three times the limit of 300 ppm published in 6 New York Codes Rules and Regulations 232.6(a)(6). NYSDEC performed a follow-up inspection in February 2009, discovering that the facility had failed to comply with the 2007 Consent Order and had not performed the mandatory remedy within the required timeframe following the 2008 inspection. NYSDEC also found evidence of improper disposal of PCE-contaminated wastes (NYSDEC 2009). Another Consent Order was executed in April 2009 to address the violations noted in the 2009 inspection. Dry-cleaning operations ceased in 2013 due to continued violations of environmental regulations. In addition, NYSDEC opened a Spill Record at the site in 2013 after observing improperly stored hazardous waste during an inspection. NYSDEC subsequently removed hazardous waste (e.g., drums containing spent chemicals) from the facility and the spill was closed not meeting standards in 2013.

The site was then operated as a dry-cleaning drop shop, where garments were brought in and sent to be dry cleaned at another local facility, until 2017. The Chazen Companies performed a limited subsurface investigation at the site in April 2016 as part of a potential real estate transaction (Chazen Companies 2016). The investigation identified petroleum-related volatile organic compounds (VOC) and chlorinated VOCs (CVOCs) in soil, groundwater, and sub-slab soil vapor at the site. The non-chlorinated hydrocarbons may not be gasoline-related, but a result of petroleum-based solvent use, (e.g., Stoddard solvent). NYSDEC was provided the findings and

the site was listed in the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site in August 2017 (NYSDEC 2017).

EA completed preliminary surface soil, subsurface soil, and groundwater sampling at the site in 2018. The Phase I RI was completed in April and May 2018, while the Phase II RI was completed in September 2018. Impacts from CVOCs were identified in soil and groundwater (EA 2018). Additionally, a soil vapor intrusion evaluation was performed at neighboring residential and commercial buildings including a day care facility. During the Phase I subsurface RI, a small UST was identified under the slab foundation of the site building. Non-aqueous phase liquid (NAPL) was observed in a soil boring completed near the UST, and subsequent laboratory analysis indicated that the NAPL was a petroleum product similar to heating oil mixed with some percentage of mineral solvent. During the Phase II subsurface RI, a photoionization detector measurement of more than 15,000 ppm was observed in a soil boring in the expected source area at the soil/bedrock interface (EA 2019). This measurement is indicative of NAPL present.

Based on field observations and analytical results from the Phase I and Phase II subsurface RI, EA proposed an IRM to remove the building (IRM No. 1), which would allow for safe access to remove the UST and adjacent impacted soil and complete a bedrock groundwater investigation.

1.2 PRE-IRM NO. 1 ACTIVITIES

The following pre-IRM design investigation activities were performed from September 2018 to March 2019 to evaluate existing onsite conditions and survey the building in support of the IRM design:

- Asbestos survey
- Building measurement and demolition debris quantity estimate
- Emergency structural condition assessment
- Site survey of adjacent structures, property boundaries, and roadways.

1.2.1 Asbestos Survey

The Asbestos Survey was completed by Spectrum Environmental Associates under contract to Precision Environmental Services (PES). Suspected asbestos-containing materials (ACM) were sampled in September 2018 and submitted to Spectrum Analytical for analysis. The survey identified ACM including 9-inch (in.) by 9-in. mastic floor tiles, boiler room ceiling panels, caulking, air cell pipe insulation, and roofing material/sealant. A summary of observed ACM and estimated quantities is presented as **Table 1**. The complete inspection report is included in IRM No. 1 SOW **(Appendix A)**.

Table 1 Summary of Asbestos-Containing Materials in Admiral Cleaners Building

Material	Location/Area	Estimated Quantity	Condition/Damaged
9-in. x 9-in. Mastic floor tiles	Front of store under carpet	Approximately 400 SF	Poor
9-in. x 9-in. Gray floor tiles			
9-in. x 9-in. Red floor tiles			
Ceiling panels	Boiler room ceiling	Approximately 120 SF	Poor
Caulk	Exterior metal door frame	Approximately 30 LF	Poor
Air cell pipe insulation	Long pipe across store front and floor	60 LF	Poor
Pipe elbow insulation	Elbow on pipe with air cell	2 each	Poor
Parapet wall roofing material	Along east side parapet wall	3,150 SF	Poor
Parapet wall roofing sealer			

NOTES:
LF = Linear foot (feet)
SF = Square foot (feet)

1.2.2 Building Measurement and Quantity Estimate

Concurrent with the September 2018 ACM survey, EA collected detailed building measurements for the purpose of estimating building material disposal quantities and preparing an engineering cost estimate. The Admiral Cleaners building was a single-story building constructed on grade primarily of four materials requiring offsite disposal. These include but are not limited to, concrete/brick masonry, concrete floor slab, and steel and wood structural members.

The eastern half of the building was first constructed in 1950 and includes three smaller rooms divided by masonry walls. The boiler room, located along the north wall of the building, had a slab depressed approximately 15 in. below grade. The eastern portion of the building was approximately 28 feet (ft) wide, 72 ft long, and 12 ft tall. The western portion of the building was constructed as an addition to the original structure and has the approximate dimensions of 20 ft wide, 72 ft long, and 13.75 ft tall. The total building footprint was approximately 48 ft by 72 ft with a slab averaging approximately 5 in. thick.

Exterior and interior walls were all constructed by concrete/brick masonry. Structural steel I-beams spanned steel and block columns from west to east. The roof was constructed of wooden beams and decking covered by rolled asphalt roofing, sealant, flashing, and terra cotta tiles. A portion of roofing material was identified as ACM.

Dry-cleaning presses, washers, and various machinery still remained within the building at the time of assessment. Overhead steel racks/conveyors were mounted to the ceiling and had begun to fall, posing an overhead hazard.

To accurately estimate material quantities, the thickness, length, and height of all exterior and interior walls were measured, as were the thickness and areal dimensions of the concrete floor slabs throughout the structure. Drawings showing building measurements and layout are included in the IRM No. 1 SOW (**Appendix A**).

1.2.3 Emergency Structural Condition Assessment

A meeting was held between NYSDEC and the City of Watervliet on 30 November 2018. The condition of the building was discussed during the meeting and the City proposed to complete an emergency structural condition assessment of the Admiral Cleaners building. On 7 December 2018, R. Russell Reeves, Professional Engineer (P.E.), a civil-structural engineer contracted by the City of Watervliet, met with Code Enforcement Officer, Paul LaBoissiere, and NYSDEC Division of Environmental Remediation staff, to evaluate the Admiral Cleaners building structure as it related to public safety. The full report of the evaluation is provided in the IRM No. 1 SOW (**Appendix A**).

A deteriorating roof structure and damaged concrete block bearing walls along the northeastern and northwestern corners of the building indicated that a localized collapse of the roof and wall was imminent. The northwestern rear wall of the western addition to the original building was separating from the original block bearing wall and was in rotational failure. Equipment and piping mounted to the roof were no longer adequately secured due to the deterioration of the roof framing and were in pull-out mode of failure. The structural engineer concluded that there was a substantial hazard within the building for failure of the overhead devices. Additionally, roof framing members and the steel beam and column assembly along the center of the building were improperly installed and were structurally deficient.

The report concluded that a collapse of the roof or north bearing wall would cause the entire building to become destabilized, causing at least a partial collapse of the beam/column assembly located between the original building footprint and the addition. The structure was considered a hazard to public safety and recommended for demolition as soon as practicable.

The structural integrity of the existing building was a significant health and safety issue and prevented further intrusive RI work which would be required to delineate the nature and extent of impacts to subsurface soil and groundwater.

1.2.4 Site Survey

A site survey was completed by Popli Design Group on 12–13 March 2019 to survey the Admiral Cleaners site property boundary and boundaries of adjacent parcels. Survey data was incorporated into the drawing package provided in the IRM No. 1 SOW (**Appendix A**).

1.2.5 Pre-Demolition Structural Assessments

Prior to demolition, non-intrusive structural assessments were completed by a New York State-licensed engineer, John Steele (John Steele Engineering and Consulting, P.C.), to document the existing conditions of buildings adjacent to the Admiral Cleaners property. These assessments were completed to provide documentation of baseline conditions of nearby properties and to assist in the development of a monitoring program to be implemented during the demolition of the Admiral Cleaners building. Assessments were performed 29 April through 2 May 2019.

An Existing Conditions Report was completed by John Steele (John Steele Engineering and Consulting, P.C.) for seven structures, including the building at 621 19th Street, adjacent to the Admiral Cleaners building. The assessments provide a description of the building construction, current condition, observed structural deficiencies, and photographs. The reports were provided to NYSDEC electronically in July 2019.

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2. IRM No. 1 ACTIVITIES

Site work associated with IRM No. 1 activities were completed between 2019 and 2020, with building demolition occurring between 4 and 11 May 2020. The following sections contain detailed descriptions of the IRM No. 1 activities. During building demolition, EA provided full-time field oversight and completed daily observation reports (**Appendix B).**

2.1 PROJECT DOCUMENTS

NYSDEC selected PES from the NYSDEC's list of approved standby contractors. The IRM No. 1 SOW (**Appendix A**) including construction drawings (Appendix B to the SOW) were provided to PES. The SOW included a description of work tasks, figures, and specifications. Prior to building demolition, a change order was issued to PES and Jackson Demolition (Jackson) to install temporary shoring and to remove the west wall with hand equipment to avoid impacting the adjacent building located at 621 19th Street as described in Section 2.3.

2.2 UTILITY RELOCATION AND ABANDONMENT

2.2.1 Relocation of Utility Pole and Overhead Service Lines

The electrical service associated with 621 19th Street ran from a utility pole in located in the alley east of the Admiral Cleaners building (**Figure 2**). Service lines extended over the Admiral Cleaners structure to the residential building. These overhead wires presented a safety issue with respect to the proposed demolition, and the recommendation was made to relocate the utility pole and service lines. In April 2019, the utility pole located across the alley from the northeast corner of the Admiral Cleaners site was removed and a new pole was placed adjacent to the northwest corner of the site. The overhead service lines were moved to the new utility pole and reconnected to adjacent buildings on 21 February 2020 (**Figure 3**).

2.2.2 Abandonment of Underground Utilities

The natural gas line servicing the Admiral Cleaners facility was physically disconnected on 22 April 2019 by National Grid (**Figure 3**). In July 2019, the two water service lines to the building were cut and capped at the watermain by Crisafulli Brothers, subcontracted to PES. The sewer service was capped with grout at the building and remaining connection will be removed by the City of Watervliet following completion of remedial activities at the site.

2.3 621 19th STREET

The structural assessment for the building located at 621 19th Street, approximately 3 ft to the west of the Admiral Cleaners building, was completed 30 April 2019. The building was unoccupied and in various states of renovation at the time of inspection. The interior was largely reduced to framing and unfinished. During the existing conditions assessment, numerous structural deficiencies were observed, including a severe bulging and bowing of the exterior wall opposite the Admiral Cleaners building (eastern exterior wall of 621 19th Street building). Interior walls

were neither straight nor plumb, and walls exhibited a visible lean to the east. The basement and foundation consisted of brick masonry cripple walls supported by mortared fieldstone. Significant evidence of structural movement was noted, and portions of the exterior wall had deflected outward in excess of 6 in. Based on the field observations, the structure was considered dangerous in accordance with the Residential Code of New York State and was at significantly increased risk of collapse or compromise during the planned IRM No. 1 building demolition.

The existing conditions report provided stabilization guidance for 621 19th Street and recommended that demolition of the Admiral Cleaners site be delayed until the building located at 621 19th Street was stabilized. Additionally, the report recommended that the west wall of the Admiral Cleaners building be demolished using hand tools/equipment only, and that mechanized equipment should maintain at least 15-ft distance from the building at 621 19th Street. A copy of the report was provided to the property owner and the City of Watervliet.

The City of Watervliet issued a notice of violation to the property owner of 621 19th Street on 17 May 2019. The property owner coordinated with the City and secured a building permit to complete structural stabilization of the property on 10 July 2019. The renovations to the building were delayed several times by the property owner and a second site assessment was completed on 17 October 2019. During of the second site assessment, it was noted that the work had not been fully completed and additional stabilization of the structure was required before demolition could proceed at Admiral Cleaners. A third assessment was conducted in January 2020 and the remaining items required were noted by the City of Watervliet. The remaining stabilization work to 621 19th Street was completed by the property owner in March 2020, confirmed by a registered New York State architect, and a Certificate of Compliance was issued by the City of Watervliet on 7 April 2020.

2.4 PERMITTING

The City of Watervliet issued a building permit to PES/Jackson to complete the demolition of the Admiral Cleaners building on 21 April 2020 (**Appendix C)**. The New York State Department of Labor issued an asbestos variance permit to PES, that included an expiration date of, or required abatement by July 2020 (**Appendix C**).

2.5 PRE-CONSTRUCTION MEETING

A pre-construction progress meeting was held via teleconference on 5 May 2020 to discuss the SOW and scheduling of the building demolition. The meeting was attended by EA, NYSDEC, PES/Jackson, and Alpine Environmental Services, Inc. (Alpine).

2.6 BUILDING DEMOLITION (4–11 MAY 2020)

Prior to initiating work, EA, PES/Jackson, and NYSDEC discussed work plans and scheduling; general field activities were also discussed prior to and during construction activities on site. PES/Jackson contacted DigSafe prior to arriving on site for construction activities to inform utility companies of the upcoming work and allow them an opportunity to locate their service. Utilities

to the property had been abandoned as described in Section 2.2.2 apart from the sewer services line extending from the street to the property. The sewer service was capped with grout at the building and remaining connection will be removed by the City of Watervliet following completion of remedial activities at the site.

2.6.1 Asbestos Abatement

Due to the presence of ACM inside the Admiral Cleaners building and structural deficiencies of the building noted in the emergency structural condition assessment, PES's asbestos contractor, Alpine, requested a variance to handle ACM with building materials. PES and Alpine requested a variance for controlled demolition with ACM in place,

To comply with the variance granted by The New York State Department of Labor (**Appendix C**) access to the interior and exterior of the building was restricted to designated individuals trained with handling ACM during demolitions outfitted with Tyvek suits and half-face respirators until abatement was complete. Additionally, the work area was enclosed with a fence to prevent unauthorized access to the site, and perimeter air monitoring was conducted by Alpine for the duration of ACM abatement.

2.6.2 Building Preparation and Structural Shoring

On 4 May 2020, Jackson began prepping the inside of the building for demolition by removing the ceiling and installing a temporary support wall and shoring in the southwest portion of the building parallel the west wall. Additionally, a protective covering (6-millimeter plastic sheeting) was installed over a window on the adjacent building at 621 19th Street upon the building owner's request.

2.6.3 Demolition of West Wall

On 5 May 2020, Jackson began to demolish the west wall from the inside of the building using a chisel hammer and a sledge. Demolition of the west wall in the southwest corner of the building beginning at the top of the block wall and working downward. The top six rows of block were removed by hand from the 36-ft section of the west wall adjacent to the 621 19th Street property. Demolition of the west wall was completed on 6 May 2020 from both inside and outside of the building.

2.6.4 Demolition of Remaining Structure

The remaining portions of the building were mechanically demolished with a CAT 325F Excavator on 7 May 2020. Demolition began in the northwest corner of the building and moved south, then moving north from the southeast corner of the building. During demolition, water was sprayed over the site as a dust suppressant. Upon completion of the building demolition, metal debris was separated from construction and demolition (C&D) debris (lumber, concrete, brick, etc.).

On 8 May 2020, an approximately 250-SF portion of the building slab, previously identified as containing ACM tiles, was removed from the southeast portion of the site.

2.6.5 Disposal of Demolition Debris

One load of steel of was transported by Jackson to their facility after decontamination on 7 May 2020. Steel debris was sprayed down with potable water to remove any ACM. Metal was segregated by type at the Jackson Demolition yard and bulk transported for recycling. All C&D debris from activities on 7 May 2020 was stockpiled on the northern end of the building slab and covered in poly sheeting overnight. On 8 May 2020, five loads of C&D with ACM debris were transported from the site to the Ontario County Landfill by Riccelli Trucking. A summary of materials and estimated quantities removed from the site during IRM No. 1 is presented in **Table 2.** Weight tickets and copies of waste manifests are provided in **Appendix D**.

Table 2 Summary of Material Removed

Date	No. of Loads	Material	Total Estimated Weight (tons)	Destination Facility
7 May 2020	1	Steel	estimated 15	Recycled by Jackson[1]
8 May 2020	5	C&D (with ACM)	147.12	Ontario County Landfill

NOTES:
[1] Metal was transported offsite by Jackson. Material was stockpiled in Jackson's yard for future recycling.

2.6.6 Monitoring During Construction

EA took daily plumbness measurements and checked crack gauges set at the adjacent building to monitor its structural integrity during demolition. Monitoring confirmed that the building experienced no movement during demolition compared to baseline measurements taken pre-demolition. Plumbness measurements are provided in **Appendix E**.

Per requirements of New York State Industrial Code, Rule 56, a third party (Alpine) was contracted by PES to provide continual air monitoring prior to and throughout the asbestos abatement and building demolition and inspect/observe asbestos removal areas and procedures to ensure all applicable regulations are followed. Alpine positioned asbestos monitors around the exterior of the building during each day of demolition and site restoration. Asbestos air samples were delivered to the laboratory on 11 May 2020, and sample clearance was given the same day.

PES set-up and operated DustTrak environmental air monitors upwind and downwind of the site during each day of demolition and site restoration. Neither asbestos nor dust monitoring revealed any exceedances of action levels. The third-party asbestos monitoring report is provided as **Appendix F**.

2.7 SITE RESTORATION

2.7.1 Depression of Slab in Southeast Corner

Upon removal of the C&D debris from the southeast corner of the slab on 7 May 2020, a 3–6 in. depression in the slab was observed. This area of the slab was adjacent to the portion of the slab containing ACM tiles (**Table 1**). On 11 May 2020, the depressed slab and demolished slab areas were backfilled with imported crusher-run material to grade (**Figure 3**). The source and approval for the imported fill is provided as **Appendix G**. Six-millimeter poly sheeting was installed below the crusher-run material as a vapor barrier.

2.7.2 Soil Ledge Stabilization

After demolition of the west wall of the building, a layer of soil was exposed between the site and the adjacent property (621 19th Street) to the west due to an elevation difference of approximately 3 ft. On 11 May 2020, Jackson placed filter fabric over the exposed soil ledge followed by precast concrete blocks to create a retaining wall on the west edge of the slab foundation.

2.7.3 Site Fencing

PES installed temporary site fencing around the perimeter of the site on 7 May 2020 upon completion of the structural demolition. The temporary fence remained in place until it was replaced by a permanent site security fence. Fence posts were set 29 May 2020 and the permanent fence was installed 14 June 2020.

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3. REFERENCES

The Chazen Companies (Chazen). 2016. *Re: Limited Subsurface Sampling Report, Former Dry Cleaner Property, 617 19th Street, City of Watervliet, Albany County, New York.* April.

EA. 2018. *Summary of Phase I Remedial Investigation Results.* 04 September.

———. 2019. *Summary of Phase II Remedial Investigation Results.* 24 January.

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———. 2017. *Inactive Hazardous Waste Disposal Site Classification Notice. Site Name: Admiral Cleaners. Site No. 401075.* August.

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Figures

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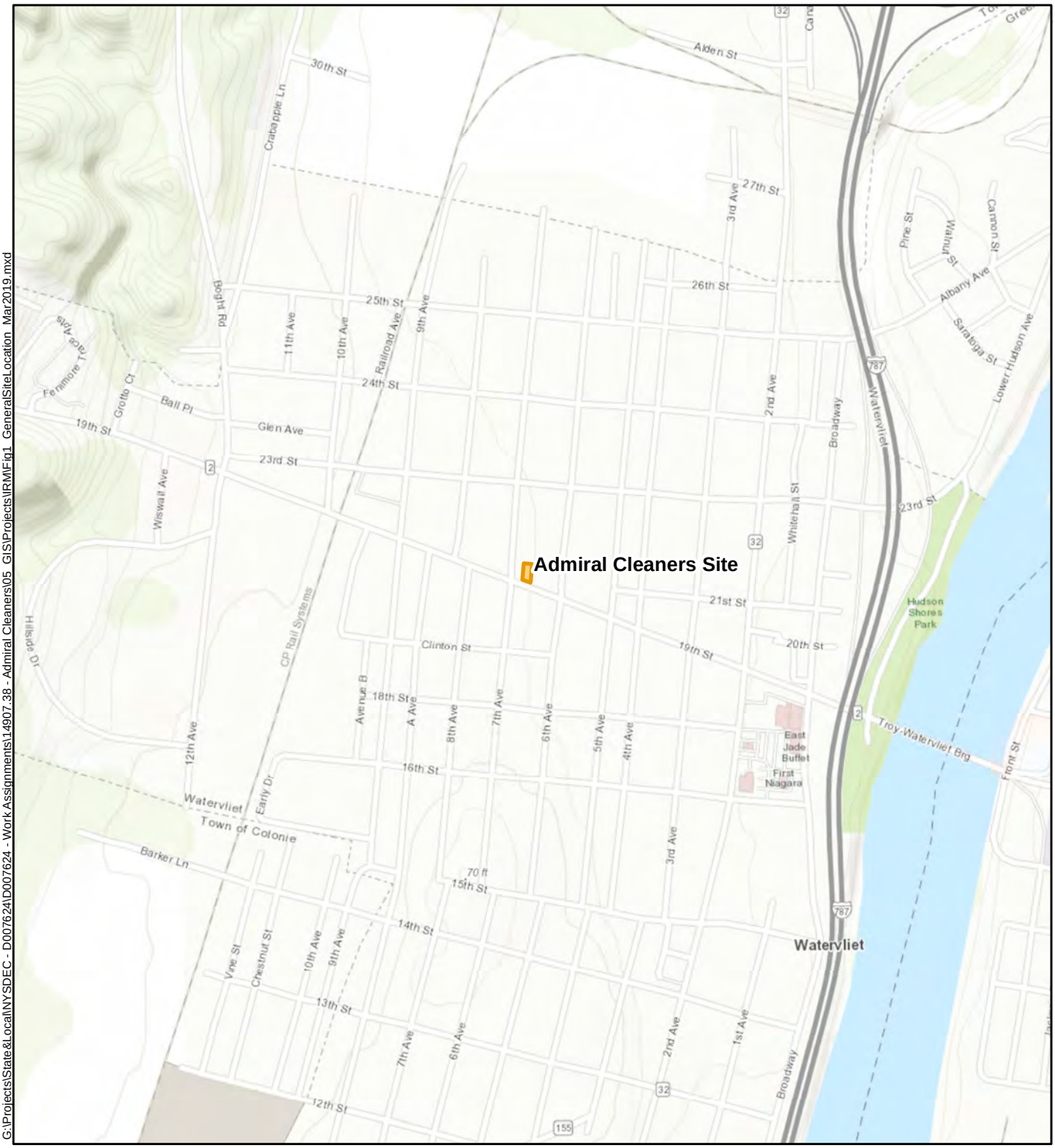

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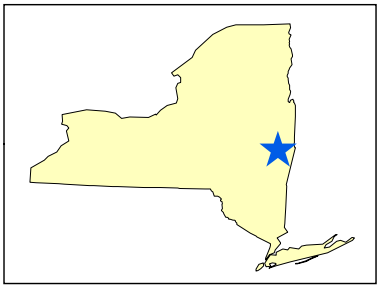

0 250 500 1,000
Feet

N

Legend

- Site Location
- Admiral Cleaners Site Boundary

Figure 1
General Site Location
Admiral Cleaners
Watervliet, Albany County, NY

Map Date: 3/12/2019
Projection: NAD 1983 State Plane New York East FIPS 3101 Feet

NEW YORK Department of Environmental Conservation

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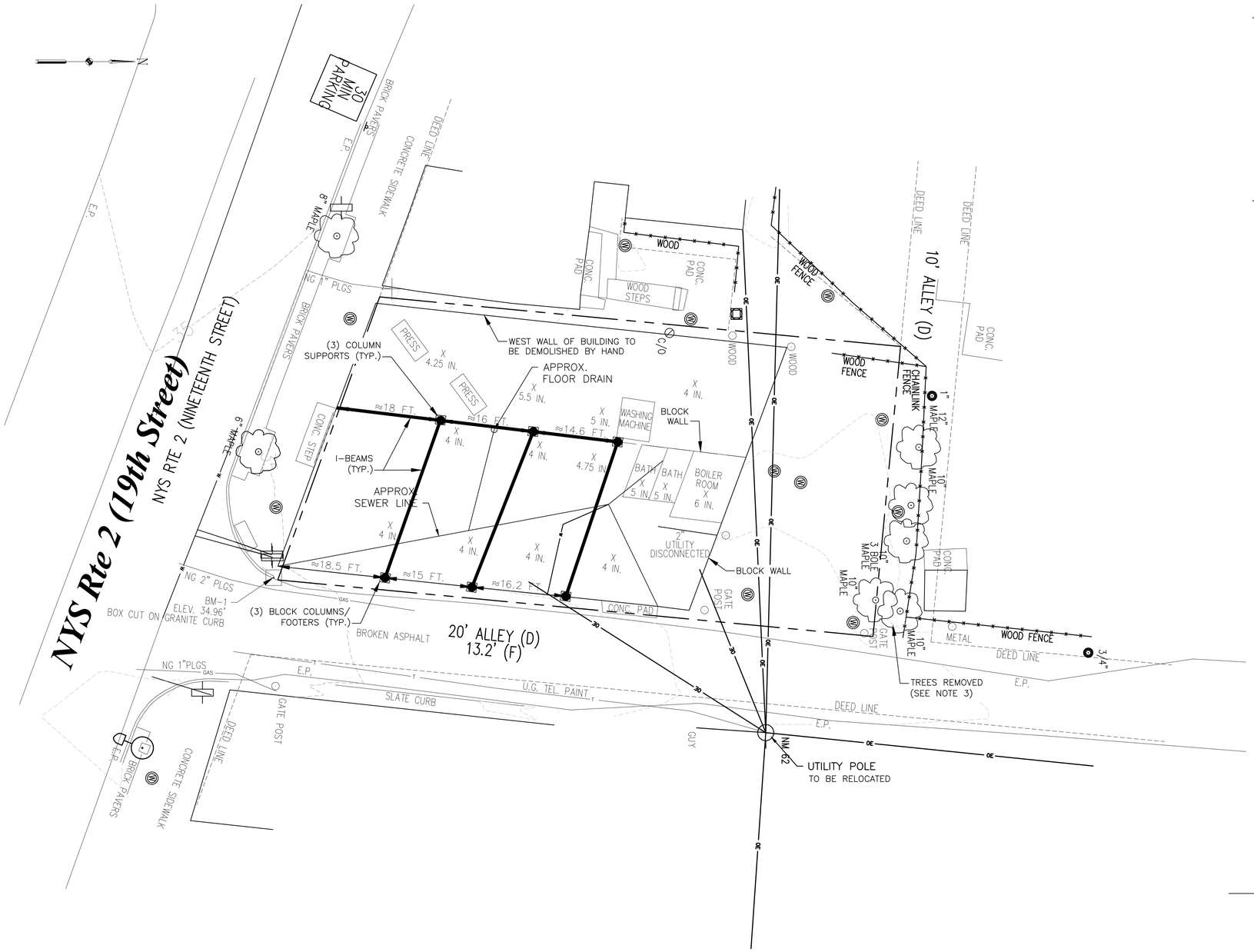


PRE-DEMOLITION CONDITIONS PLAN

10 5 0 10 20

GRAPHIC SCALE IN FEET

GENERAL CONSTRUCTION NOTES:

1. BUILDING MEASUREMENTS PROVIDED HEREIN REPRESENT APPROXIMATE FIELD MEASUREMENTS.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES WERE TERMINATED OR RE-ROUTED PRIOR TO DEMOLITION AS DESCRIBED ON FIGURE 3.
3. TREES AND VEGETATION ALONG NORTHERN BOUNDARY AND 10-FT ALLEY WERE REMOVED PRIOR TO DEMOLITION.
4. EQUIPMENT CONTAINED WITHIN BUILDING WAS REMOVED AND DISPOSED OF OFF-SITE.
5. STRUCTURAL ASSESSMENT OF BUILDING LOCATED AT 621 19TH STREET REVEALED NUMEROUS STRUCTURAL DEFICIENCIES. DEMOLITION OF ADMIRAL CLEANERS BUILDING DELAYED UNTIL BUILDING AT 621 19TH STREET WAS STABILIZED. THE ASSESSMENT ALSO RECOMMENDED THAT THE WEST WALL OF THE ADMIRAL CLEANERS BUILDING BE DEMOLISHED WITH HAND TOOLS/EQUIPMENT ONLY. A TEMPORARY SUPPORT WALL WAS CONSTRUCTED IN THE INTERIOR OF ADMIRAL CLEANERS BUILDING TO ENABLE HAND DEMOLITION METHODS.

SURVEY NOTES:

6. HORIZONTAL DATUM IS REFERENCED TO NAD83(2011)-NYSPCS, EAST ZONE.
7. VERTICAL DATUM IS REFERENCED TO NAVD88, ESTABLISHED BY STATIC GPS METHODS FROM NYS CORS NETWORK.
8. PROJECT UNITS ARE U.S. SURVEY FEET.
9. APPROXIMATELY 5" OF SNOW/ICE COVER WHEN THE FIELD WORK WAS CONDUCTED
10. UTILITIES SHOWN HEREON ARE BASED ON VISIBLE EVIDENCE ONLY. ALL UNDERGROUND UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. THERE IS NO GUARANTEE THAT ALL EXISTING UTILITIES, WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA ARE SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK AND SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THIS WORK. BEFORE COMMENCING WORK, CONTACT "DIG SAFELY NE.O.W. YORK" AT 1-800-962-7962 AND PROVIDE 72 HOURS NOTICE. ALL UTILITY INFORMATION SHOWN HEREON IS BASED UPON FILED MARKING AND VISIBLE FEATURES PRESENT AT THE TIME OF SURVEY. NO UTILITY RESEARCH WAS PERFORMED BY THE SURVEYOR.
11. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE, AND IS SUBJECT TO ANY EASEMENTS OR ENCUMBRANCES OF RECORD.
12. DIMENSIONS ALONG BOUNDARY/PROPERTY LINES REPRESENTS FIELD MEASUREMENTS
13. BEARINGS SHOWN AND UTILIZED HEREON ARE RELATIVE TO GRID NORTH AS REFERENCED TO THE NY STATE PLANE COORDINATE SYSTEM, EAST ZONE. TRUE NORTH AT THE 74° 30' 00" MERIDIAN OF WEST LONGITUDE.

LEGEND

FFE 524.52	FIRST FLOOR ELEVATION
EL 524.52	SPOT ELEVATION
	VAULT
	MON. WELL
	LIGHT POLE
	UTILITY POLE
O/O	SEWER CLEANOUT
	WATER VALVE
	POST
	DEED LINE
	PROPERTY LINE
OE	OVERHEAD ELECTRIC
X 4"	SLAB THICKNESS MEASUREMENT LOCATION

ABBREVIATIONS

BM	BENCH MARK
CONC.	CONCRETE
(D)	DEED
E.P.	EDGE OF PAVEMENT
EL	ELEVATION
(F)	FIELD MEASUREMENT
FFE	FINISHED FLOOR ELEVATION
FT	FEET
IN	INCH
L.	LIBER
NG	NATURAL GAS
P.	PAGE

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, ARTICLE 145, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, ARTICLE 145, SECTION 7209.2.

Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY

NO.	DATE	DESCRIPTION
		REVISIONS

PRE-DEMOLITION CONDITIONS PLAN, NOTES. & LEGEND

ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075
617 19TH STREET
WATERVLIET, NEW YORK

P.C.

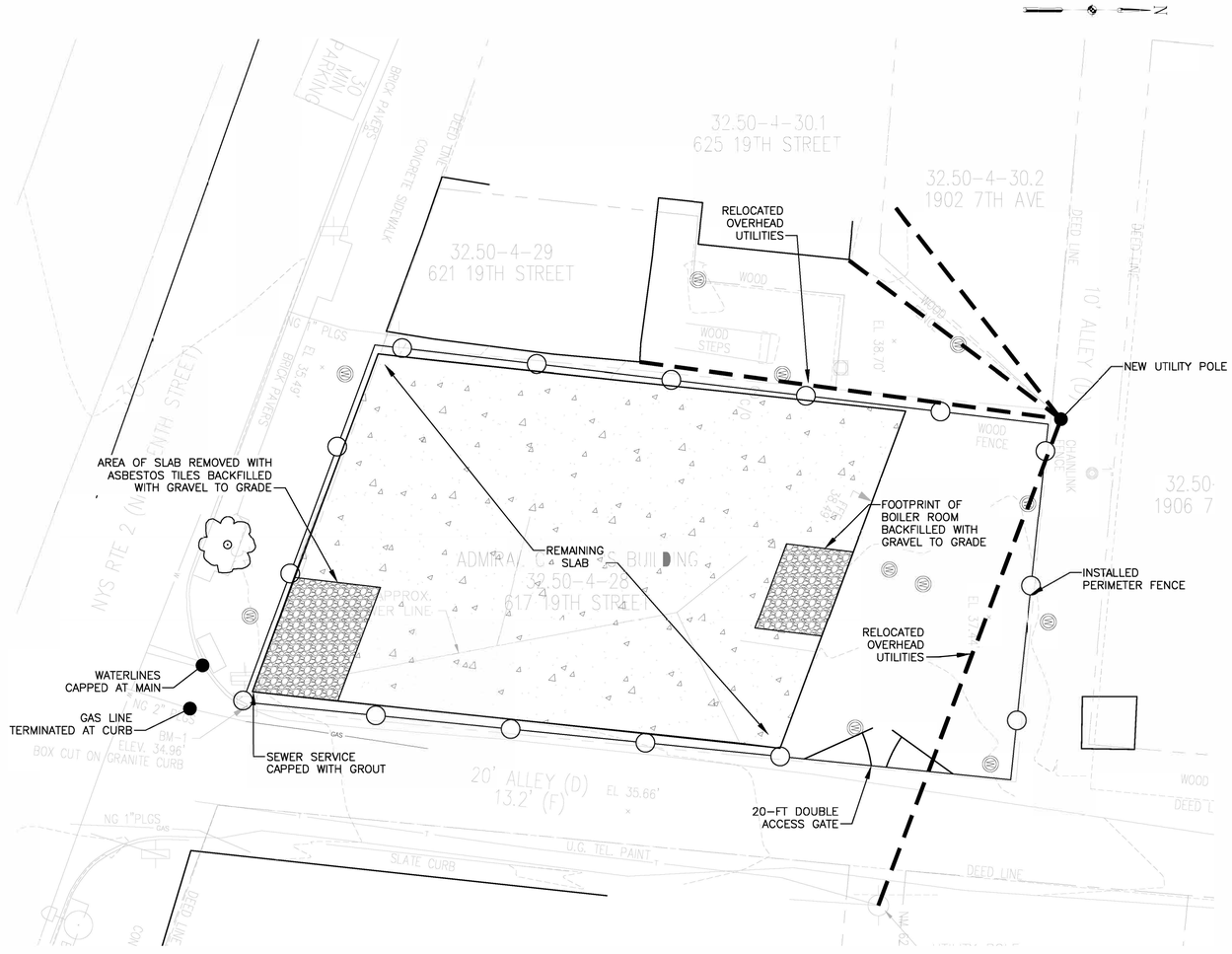
PREPARED BY:
EA ENGINEERING, P.C.
AND ITS AFFILIATE
EA SCIENCE AND TECHNOLOGY

CARRS#	
EA #	1490738
DESIGN #	
FILE	1490738-Planset.dwg
DRAWN BY	DPA
DATE	DECEMBER 2020
SCALE	AS SHOWN
SS	

FIGURE 2

SITE RESTORATION NOTES

1. BUILDING SLAB REMAINS IN PLACE FOLLOWING BUILDING DEMOLITION.
2. BOILER ROOM BACKFILLED WITH GRAVEL TO GRADE.
3. UTILITIES WERE RELOCATED/DISCONNECTED AS SHOWN. SEWER SERVICE WAS GROUTED AT THE BUILDING. REMAINING SEWER CONNECTION TO BE REMOVED BY CITY OF WATERVLIET.
4. APPROXIMATELY 250 SF OF THE BUILDING SLAB (SOUTHEAST CORNER OF THE SITE) CONTAINING ASBESTOS TILES WAS REMOVED AND DISPOSED OF OFF-SITE. 6-MIL POLY SHEETING WAS PLACED OVER SUB-SLAB SOILS PRIOR TO BACKFILLING REMAINING AREA TO GRADE WITH GRAVEL.



POST-DEMOLITION CONDITIONS PLAN

0 5 0 10 20
GRAPHIC SCALE IN FEET

LEGEND

- CONCRETE SLAB TO REMAIN
- PERIMETER FENCE
- PATH OF NEW OVERHEAD UTILITIES
- GRAVEL BACKFILL

Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY

NO.	DATE	DESCRIPTION
		REVISIONS

POST-DEMOLITION CONDITIONS PLAN

ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075
617 19TH STREET
WATERVLIET, NEW YORK

PREPARED BY:
EA ENGINEERING, P.C.
AND ITS AFFILIATE
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CARRS#	
EA #	14907.38
DESIGN #	
FILE	140738-Planset.dwg
DRAWN BY	DPA
DATE	DECEMBER 2020
SCALE	AS SHOWN
SS	

FIGURE
3

Appendix A

IRM No.1 – Scope of Work Building Demolition

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Interim Remedial Measure No. 1
Scope of Work - Building Demolition
Former Admiral Cleaners Site (No. 401075)

City of Watervliet
Albany County, New York

Prepared for

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau E
625 Broadway
Albany, New York 12233-7017

Prepared by

EA Engineering, P.C and Its Affiliate
EA Science and Technology
269 W. Jefferson Street
Syracuse, New York 13020
(315) 431-4610

April 2019
Version: FINAL
EA Project No. 14907.38

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Interim Remedial Measure No. 1
Scope of Work - Building Demolition
Former Admiral Cleaners Site (No. 401075)

City of Watervliet
Albany County, New York

Prepared for

New York State Department of Environmental Conservation
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625 Broadway
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12 April 2019

Donald Conan, P.E., P.G.
Vice President, EA Engineering, P.C.

12 April 2019

Christopher Schroer
Project Manager, EA Science and Technology

April 2019
Version: FINAL
EA Project No. 14907.38

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Asbestos containing material
CCR	Construction Completion Report
C&D	Construction and demolition
Chazen	Chazen Companies
CVOC	Chlorinated volatile organic compound
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
FS	Feasibility study
ft	Foot (feet)
in.	Inch(es)
IRM	Interim remedial measure
No.	Number
NYSDEC	New York State Department of Environmental Protection
LF	Linear feet
PCE	Tetrachloroethene
P.E.	Professional Engineer
P.G.	Professional Geologist
PES	Precision Environmental Services
ppm	Parts per million
RI	Remedial investigation
SF	Square feet
SOW	Scope of work
UST	Underground storage tank
VOC	Volatile organic compound

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1. INTRODUCTION

EA Engineering, P.C. and its affiliate EA Science and Technology (EA) was tasked by the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment Number (No.) D007624-38 to plan and oversee two Interim Remedial Measures (IRM) at the Admiral Cleaners Site (No. 401075) in the City of Watervliet, Albany County, New York (**Figure 1**). The IRMs are being implemented to facilitate the remedial investigation (RI) and feasibility study (FS) process.

IRM No. 1 includes demolition of the onsite structure. The onsite structure has been determined to be a hazard to public safety, and demolition of the building is necessary to complete RI activities. IRM No. 2 includes delineation of a suspected subsurface source area, closure/removal of an underground storage tank (UST), and a removal action of impacted soil. A separate Scope of Work (SOW) will be prepared and submitted to NYSDEC for IRM No. 2.

This document provides a SOW, site drawings, and health and safety (including asbestos management and monitoring) requirements associated with IRM No. 1.

1.1 SITE DESCRIPTION

The site is a rectangular parcel totaling 0.11 acre located at 617 19th Street, Watervliet, Albany County, New York (**Figures 1 and 2**), between 6th Avenue and 7th Avenue. The parcel has approximately 50 feet (ft) of frontage on 19th Street and a depth of approximately 100 ft. The site consists of a vacant brick and concrete block commercial building with its slab on grade. The building comprises approximately 75 percent of the parcel, and a small grassy area is located behind the building, which is partially enclosed by wooden and chain-link fences. The site is in an urban area with mixed commercial and residential use. The site is bordered by an unoccupied residential building to the west, a mixed-use building containing a commercial day care and residences to the east, and residences to the north (**Figure 2**). A structural assessment conducted by a civil-structural engineer contracted by the City of Watervliet in February 2019 led the City to consider the building a hazard to public safety and recommend it for demolition. Further details of the building's structural condition can be found in Section 2.

1.2 SITE HISTORY

The building was constructed in 1950 and was used as a dry cleaning facility until 2013. During its operation, the facility used tetrachloroethene (PCE) as a cleaning solvent. In 2007, NYSDEC executed a Consent Order, requiring the facility to obtain required owner/manager and operator dry cleaning certifications. In November 2008, a third-party inspection indicated that the PCE concentration in the facility's dry-cleaning machine was 845 parts per million (ppm), approximately three times the limit of 300 ppm published in 6 New York Codes Rules and Regulations 232.6(a)(6). NYSDEC performed a follow-up inspection in February 2009, discovering that the facility had failed to comply with the 2007 Consent Order and had not performed the mandatory remedy within the required timeframe following the 2008 inspection. NYSDEC also found evidence of improper disposal of PCE-contaminated wastes (NYSDEC 2009). Another Consent Order was executed in April 2009 to address the violations noted in the

2009 inspection. Dry cleaning operations ceased in 2013 due to continued violations of environmental regulations. In addition, NYSDEC opened a Spill Record at the site in 2013 after observing improperly stored hazardous waste during an inspection. NYSDEC subsequently removed hazardous waste (e.g., drums containing spent chemicals) from the facility and the spill was closed not meeting standards in 2013.

The site was then operated as a dry-cleaning drop shop, where garments were brought in and sent to be dry cleaned at another local facility, until 2017. The Chazen Companies (Chazen) performed a limited subsurface investigation at the Site in April 2016 as part of a potential real estate transaction (Chazen 2016). The investigation identified petroleum-related volatile organic compounds (VOCs) and chlorinated VOCs (CVOCs) in soil, groundwater, and sub-slab soil vapor at the site. The non-chlorinated hydrocarbons may not be gasoline-related, but a result of petroleum-based solvent use, (e.g., Stoddard solvent). NYSDEC was provided the findings and the site was listed in the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site in August 2017 (NYSDEC 2017).

2. PRE-INTERIM REMEDIAL MEASURE BUILDING CHARACTERIZATION

The following pre-IRM characterization design investigation activities were performed from September 2018 to March 2019 to evaluate existing onsite conditions and survey the building in support of the IRM design:

- Asbestos survey
- Building measurement and demolition debris quantity estimate
- Emergency structural condition assessment
- Site survey of adjacent structures, property boundaries and roadways.

A structural assessment of adjacent properties will be completed as part of, and prior to, the commencement of demolition activities.

2.1 ASBESTOS SURVEY

The Asbestos Survey was completed by Spectrum Environmental Associates under contract to Precision Environmental Services (PES). Suspected asbestos containing material (ACM) was sampled in September 2018 and submitted to Spectrum Analytical for analysis. The survey identified ACM including but not limited to 9-inch (in.) by 9-in. mastic floor tiles, boiler room ceiling panels, caulking, air cell pipe insulation, and roofing material/sealant. A summary of observed ACM and estimated quantities is presented as **Table 1**. The full inspection report is included as **Appendix A**.

Table 1 Summary of ACM in Admiral Cleaners Building

Material	Location/Area	Estimated Quantity[1]	Condition/Damaged
9x9 Mastic	Front of store under carpet	Approximately 400 SF	Poor
9x9 Gray			
9x9 Red			
Ceiling panels	Boiler room ceiling	Approximately 120 SF	Poor
Caulk	Exterior metal door frame	Approximately 30 LF	Poor
Air cell pipe insulation[2]	Long pipe across store front and floor	60 LF	Poor
Pipe elbow insulation	Elbow on pipe with air cell	2 each	Poor
Parapet wall roofing material	Along east side parapet wall	3,150 SF	Poor
Parapet wall roofing sealer			

1. ACM quantities are estimates only and should be field verified by the remedial contractor
2. Due to disturbance of air cell pipe insulation exceeding 10 SF, a site-specific variance will be required for cleanup of the material.

NOTES:
LF = Linear feet
SF = Square feet

2.2 BUILDING MEASUREMENT AND QUANTITY ESTIMATE

Concurrent with the September 2018 asbestos survey, EA collected detailed building measurements for the purpose of identifying building material disposal quantities and preparing an engineering cost estimate. The Admiral Cleaners building is a single-story building constructed on grade primarily of four materials that will require offsite disposal. These include but are not limited to, concrete/brick masonry, concrete floor slab, structural steel I-beams, and wood.

The eastern half of the building was first constructed in 1950 and includes three smaller rooms divided by masonry walls. The boiler room, located along the north wall of the building, has a slab depressed approximately 15 in. below grade. The eastern portion of the building is approximately 28 ft wide, 72 ft long, and 12 ft tall (**Appendix B: Drawings**). The western portion of the building was constructed as an addition to the original structure and has the approximate dimensions of 20 ft wide, 72 ft long, and 13.75 ft tall. Total building footprint is approximately 48 ft by 72 ft with a slab averaging approximately 5 in. thick.

Exterior and interior walls are all constructed by concrete/brick masonry. Structural steel I-beams span steel and block columns from west to east. The roof is constructed of wooden beams and decking covered by rolled asphalt roofing, sealant, flashing, and terra cotta tiles. As described in Section 2.1, a portion of roofing material was identified as ACM.

Dry cleaning presses, washers, and various machinery still exist within the building. Overhead steel racks/conveyors are mounted to the ceiling and have begun to fall, posing an overhead hazard.

To accurately estimate material quantities, the thickness, length, and height of all exterior and interior walls were measured, as were the thickness and areal dimensions of the concrete floor slabs throughout the structure. It is estimated that there is approximately 354 tons of construction and demolition (C&D) material for disposal. Drawings showing building measurements and layout are provided as **Appendix B.** A summary of materials and estimated quantities is presented in **Table 2**.

Table 2 Summary of Material Quantities

Material		Quantity (tons)	Expected Waste Stream
ACM	9x9 tiles, ceiling panels, roofing materials, caulk, pipe insulation	9	C&D (Asbestos)
C&D	Lumber, sheetrock, plywood, glass	15	
Concrete/masonry	Brick and cinderblock	320	
Metal	Structural steel (I-beams), dry cleaning equipment/machinery, boiler	10	Metal recycling

2.3 EMERGENCY STRUCTURAL CONDITION ASSESSMENT

R. Russell Reeves, Professional Engineer (P.E.), a civil-structural engineer contracted by the City of Watervliet, met with Code Enforcement Officer Paul LaBoissiere and NYSDEC Project

Manager, Josh Haugh. to evaluate the Admiral Cleaners building structure as it relates to public safety. The full report of that evaluation is provided as **Appendix C**.

A deteriorating roof structure and damaged concrete block bearing walls along the northeastern and northwestern corners of the building indicate that a localized collapse of the roof and wall is imminent. The northwestern rear wall of the western addition to the original building is separating from the original block bearing wall and is in rotational failure. Equipment and piping mounted to the roof are no longer adequately secured due to the deterioration of the roof framing and are in pull-out mode of failure. The structural engineer concluded that there is a substantial hazard within the building for failure of the overhead devices. Additionally, roof framing members and the steel beam and column assembly along the center of the building were improperly installed and are structurally deficient.

The report concluded that a collapse of the roof or north bearing wall will cause the entire building to become destabilized, causing at least a partial collapse of the beam/column assembly located between the original building footprint and the addition. The structure is currently considered a hazard to public safety and was recommended for demolition as soon as practicable by the City of Watervliet.

The structural integrity of the existing building is a significant health and safety issue and prevents further intrusive RI work required to delineate the nature and extent of impacts to subsurface soil and groundwater.

2.4 SITE SURVEY

A site survey was completed by Popli Design Group on 12–13 March 2019 to survey the Admiral Cleaners site property boundary and boundaries of adjacent parcels. Survey data was incorporated into the drawing package provided in **Appendix B**.

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3. INTERIM REMEDIAL MEASURE DESIGN

3.1 INTERIM REMEDIAL MEASURE NO. 1 DESCRIPTION

The following is a description of the tasks associated with IRM No. 1.

3.1.1 Building Demolition

Building demolition implementation will be completed by NYSDEC call-out contractor PES, and EA will provide dedicated onsite construction management. The demolition will consist of site preparation, disconnecting all utilities, and removing the site building to grade. Additionally, a utility pole located to the northeast of the property along the alley will be relocated by National Grid prior to site activities (**Figure 2**). Site preparation activities include, but are not limited to, clearing and grubbing; removing fencing around the northern end of the property; and establishing site logistics, truck routing, and safety zones. Demolition will be completed, while monitoring and protecting adjacent structures, roadways, and pedestrians.

Dry cleaning machinery left within the building will be drained and decontaminated of potentially hazardous materials prior to demolition. Non-hazardous building materials, including ACM will be disposed offsite as C&D debris. ACM abatement and debris shall be handled in a manner that prevents contamination of additional demolition debris and the co-mingling of waste. Metal including structural steel will be separated, decontaminated of asbestos, and recycled. The footprint of the boiler room will be backfilled with stone to match surrounding grade and the site will be graded in a manner to prevent stormwater runoff to adjacent properties. Additionally, all work will be completed in a manner to minimize or mitigate exposure to dust, nuisance odors, and potentially harmful vapors.

3.1.2 Construction Completion Report

EA will complete a Construction Completion Report (CCR) for IRM No. 1 in accordance with Section 5.8 of the NYSDEC Division of Environmental Remediation-10. A description of the activities completed in accordance with this SOW will be provided in the CCR. Additionally, the CCR will provide a summary of waste streams, quantity of material removed and disposal facilities, temporary restoration actions, analytical data, and any changes or deviations from this SOW.

3.2 DEMOLITION DESIGN ASSUMPTIONS

The Admiral Cleaners building was identified for demolition due to the structural condition of the building and to facilitate the RI/FS process. The remedial contractor, PES, is tasked with demolishing the structure to the slab and restoring the site as specified in this SOW and attached drawings (**Appendix B**).

Prior to demolishing the building, PES will cut and cap all utility entrances. Overhead electrical and communication lines shall be re-routed or relocated prior to commencing demolition work.

These lines originate from a pole located to the east of the site and run over the grassy area and over the north west portion of the building.

The structural assessment is described in Section 2.3 and included as **Appendix C** concluded that collapse of the northern wall and northern roof of the building is imminent. Additionally, a substantial hazard exists within the building interior from failure of overhead steel tracks. The report recommended that only authorized personnel enter the building and on a limited basis due to the structural condition/hazards. As such, the building will be demolished from the exterior and building material will be disposed of offsite as ACM impacted C&D debris and C&D debris. Metal and concrete will be separated and recycled off site. It is estimated that there is approximately 354 tons of material for disposal.

Work will also include backfill of the boiler room area, where the slab is depressed approximately 15 in. below grade. The room is approximately 12 ft x 9 ft and will be backfilled with approximately 6 tons of stone.

Site restoration will include rough grading and site security/fencing. An estimated 300 LF of 8-ft chain link fence and gate will be installed along the perimeter of the site to control access. The gate will be located along the alley bordering the east side of the property. Drawings prepared for IRM No.1 are provided in **Appendix B**

3.3 ROLES AND RESPONSIBILITIES

A description of the roles and responsibilities for the IRM to be completed at the Admiral Cleaners site were issued in a Memorandum dated 16 January 2019 by NYSDEC. The full memorandum is provided in **Appendix D** and a summary is included in the following sections.

3.3.1 New York State Department of Environmental Conservation

The NYSDEC is responsible for the administration of the IRM and coordination with EA. They will receive and review daily and monthly reports from EA's onsite Construction Inspector, coordinating review and changes to the design/SOW with all parties, and coordinate access to the remedial site and adjacent properties.

3.3.2 EA Engineering, P.C. and its affiliate EA Science and Technology

EA will provide dedicated full-time onsite construction management and engineering during the IRM, reporting to NYSDEC IRM Project Manager, David Chiusano. EA will develop a Community Air Monitoring Plan and monitor emissions and fugitive dust during demolition. EA will also provide full-time inspection services during the IRM construction. EA will review plans, specifications, and submittals from PES. EA will also host regular progress/pre-construction meetings and provide minutes to NYSDEC and PES for review and concurrence.

3.3.3 Precision Environmental Services

IRM implementation will be completed by PES, which is currently under contract to NYSDEC. The SOW for PES will include:

- Development of a Demolition Work Plan presenting Means and Methods, Transportation and Disposal Plan, Health and Safety Plan, and Traffic Control Plan.
- Permitting (Section 3.4.1 provides detail regarding permitting)
- Clearing and grubbing
- Securing site, site preparation including safety protection of personnel and general public (2018 - International Building Code Ch. 33) (International Code Council 2017)
- Protection for offsite existing structures/utilities including vibration monitoring
- Asbestos abatement/management and monitoring (Section 3.4 provides detail regarding third-party monitoring)
- Relocation of utility pole and overhead service lines
- Abandon underground utilities
- Decontamination, removal and offsite disposal of remaining dry-cleaning machinery, equipment and miscellaneous debris located inside the Admiral Cleaners building.
- Building demolition and offsite disposal of materials
- Temporary site restoration and perimeter fencing (Section 3.4.2)
- Decontamination of all equipment and vehicles prior to leaving site.

3.4 THIRD PARTY ASBESTOS MONITORING

Per requirements of New York State Industrial Code, Rule 56, a third party will be contracted by PES to provide continual air monitoring prior to and throughout the asbestos abatement and building demolition and inspect/observe asbestos removal areas and procedures to ensure all applicable regulations are followed. Monitoring performed by the third-party subcontractor will ensure that the work area is safe for re-entry following abatement, and that abatement activities do not create a health hazard in adjacent areas (residential and commercial structures surround the Admiral Cleaner's property). The third-party subcontractor shall notify NYSDEC, EA, and PES immediately should hazardous conditions exist due to elevated air sample results onsite or in adjacent areas and stop work.

3.5 PERMITTING PLAN/PERMITS

The remedial contractor, PES, will be required to obtain any work permits needed including building permits at the municipal level:

- General Building Permit including all relevant permits from City of Watervliet Building Department
- Sidewalk and road closure permits
- Asbestos abatement permit from New York State Department of Labor (work to be performed in accordance with 12 New York Codes, Rules and Regulations Part 56)
- Solid and hazardous waste management/transport permits
- National Grid easement to relocate utility pole

3.6 SITE RESTORATION

The remedial contractor, PES, shall complete temporary site restoration as detailed in Sheet 5 of **Appendix B.** The building slab will remain in place and shall act as cover. The site will be graded in a manner to prevent stormwater runoff to adjacent properties. An 8-ft permanent privacy fence will be installed along the property line to prevent unauthorized access. An access gate shall be installed along the 20 ft alley to the east of site.

4. PROJECT CONTACTS

The following personnel identified in **Table 3** have been identified for this project to fulfill requirements, roles, and responsibilities listed in Section 3.3.

Table 3 Project Roles and Contact Information

Name	Project Role	Company	Telephone	Email
David Chiusano	IRM Project Manager	NYSDEC-Central Office (Albany)	Office: (518) 402-9813 Cell: (518) 598-7753	david.chiusano@dec.ny.gov
Joshua Haugh	Site Project Manager	NYSDEC-Region 4 (Rotterdam)	Office: (518) 357-2008 Cell: (315) 569-8308	joshua.haugh@dec.ny.gov
Paul LaBoissiere	Building Department	City of Watervliet	Office: (518) 270-3800 Extension 126	plaboissiere@watervliet.com
Kristin Kulow	Environmental and Exposure Evaluation	New York State Department of Health	Office (607) 432-3911	beei@health.ny.gov
Lisa Ramundo	Commissioner, Department of Public Works	Albany County	Office: (518) 765-2055	dpw@albanycounty.com
Donald Conan, P.E.	EA Program Manager	EA Engineering, P.C.	Office: (315) 565-6551 Cell: (315) 877-7403	dconan@eaest.com
Christopher Schroer	EA Project Manager	EA Science and Technology	Office: (315) 565-6565 Cell: (315) 569-8308	cschroer@eaest.com
Emily Cummings, EIT	EA IRM Lead	EA Science and Technology	Office: (315) 565-6553 Cell: (860) 309-3837	ecummings@eaest.com
Steve Van Arnam	IRM EA Construction Inspector	EA Science and Technology	Cell: (315) 408-0934	svanarnam@eaest.com
Steve Phelps	IRM Construction Manager	PES	Office: (518) 885-4399 Cell: (518) 528-1427	sphelps@pesnyinc.com

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5. REFERENCES

The Chazen Companies (Chazen). 2016. *Re: Limited Subsurface Sampling Report, Former Dry Cleaner Property, 617 19th Street, City of Watervliet, Albany County, New York.* April.

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———. 2017. *Inactive Hazardous Waste Disposal Site Classification Notice. Site Name: Admiral Cleaners. Site No. 401075.* August.

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Figures

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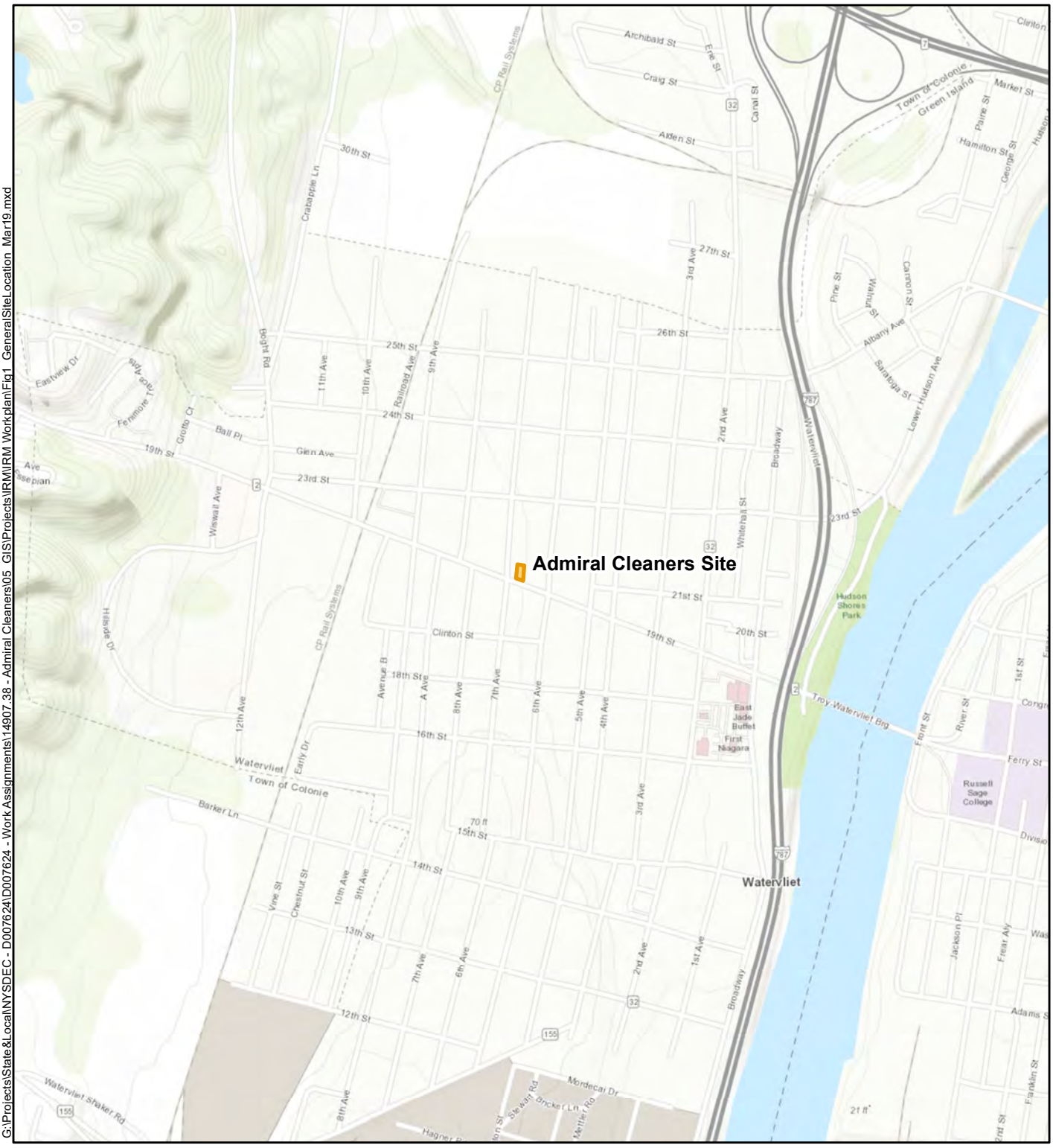

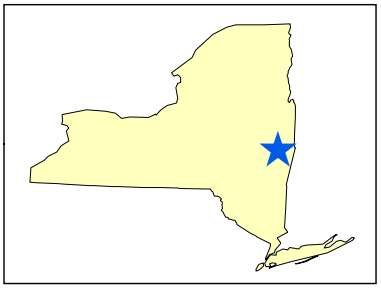

0 250 500 1,000
Feet

N

Legend

- Site Location
- Admiral Cleaners Site Boundary

Figure 1
SITE LOCATION
Admiral Cleaners
Watervliet, Albany County, NY

Map Date: 3/20/2019
Projection: NAD 1983 State Plane New York East FIPS 3101 Feet

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

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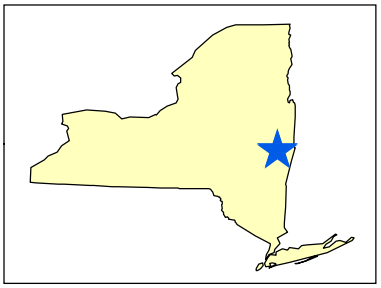

Legend

- Admiral Cleaners Site Boundary
- Adjacent Properties & Parcels
- Site Location

0 25 50 100
Feet

N

Figure 2
Site Layout

Admiral Cleaners
Watervliet, Albany County, NY

Map Date: 4/12/2019
Projection: NAD 1983 State Plane New York
East FIPS 3101 Feet

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

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Appendix A

Asbestos Survey Results

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SPECTRUM
Environmental Associates, Inc.
'Exceeding Our Clients Expectations of Excellence'

P. O. Box 1024
Schenectady, NY 12301
(518) 346-6374 (Phone)
(518) 346-4062 (Fax)
www.4spectrum.com

ASBESTOS SURVEY/INSPECTION

FOR

FORMER ADMIRAL DRYCLEANERS
617 19TH STREET
WATERVLIET, NY 12189

SPECTRUM PROJECT NO.: 18-516

SEPTEMBER 17, 2018

PREPARED FOR:

MR. MARTIN BACHNER, GEOLOGIST
PRECISION ENVIRONMENTAL SERVICES
831 ROUTE 67
BALLSTON SPA, NY 12020

TABLE OF CONTENTS

SECTION I - INTRODUCTION

On August 29, 2018, Spectrum Environmental Associates, Inc. (Spectrum) conducted a survey for the presence of asbestos containing materials at the Former Admiral Drycleaners located at 617 19th Street in Watervliet, NY. Mr. Bruce Campbell Jr (Asbestos Inspector #15-11979) conducted this inspection following procedures and guidelines commonly used and accepted by federal and state regulations. The objective of the survey was to identify the presence and approximate locations and quantities of suspect and/or confirmed asbestos containing materials.

An initial walkthrough of the designated areas was conducted by an experienced asbestos inspector to observe and record materials used in the construction of the building. The inspector proceeded by assessing floors, walls, ceilings, surfacing materials, thermal systems insulation, roofing materials and other miscellaneous materials with the potential to contain asbestos. From observations, the inspector prepared a listing of building materials that are suspected to contain asbestos. The inspector selected these materials for inclusion in the inspection through professional experience and an understanding of the historical uses of asbestos. Generally speaking, if a building material within a structure could contain asbestos, the material was included in the inspection.

Materials included in the survey were identified and recorded with respect to grouped homogeneous sampling areas. Representative bulk material samples were collected from locations within each homogeneous sampling area. Sampling information was recorded on chain of custody forms for documentation. Samples were individually preserved within a container and transported to an independent laboratory for asbestos analysis.

Laboratory analysis of asbestos samples via polarized light microscopy (PLM) and/or transmission electron microscopy (TEM) was conducted by AmeriSci of New York, New York (ELAP# 11480, NVLAP# 200546-0). Sample analysis was conducted as follows:

- "Friable" Asbestos Samples – PLM
- "Non-Friable" Organically Bound (NOB) Asbestos Samples – PLM and, if negative, TEM for confirmation as required under NYSDOH-ELAP regulations.

SECTION II - LIMITATIONS

The information provided in this report was compiled from field and laboratory data obtained during the site visit. Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Spectrum has not conducted its own analytical, but has utilized an independent NYS-DOH ELAP approved laboratory to provide the analytical results contained in this report. All discussions, findings, and conclusions are based on information that Spectrum received and understood to be factual.

Determinations of suspect asbestos containing materials within the building were subject to the accessibility of individual areas or spaces. Spectrum accepts no responsibility for the content of the building materials within areas or spaces that were unknown to us or not reasonably accessible. Spectrum assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulations.

All quantities of ACM provided in this report are provided as required by law and are believed to be accurate. If this report is to be used for bidding purposes, field verification of quantities is recommended by the abatement contractor prior to bidding.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

This report has been compiled for the exclusive use of Precision Environmental Services, its successors and/or assigns. This report and its contents represent confidential information and should not be duplicated without the expressed permission of Precision Environmental Services, its successors and/or assigns. This report should only be reproduced in its entirety to ensure all the appropriate information is provided.

The building owner is Precision Environmental Services and may be reached at 831 Route 67 in Ballston Spa, NY.

SECTION III – ASBESTOS SAMPLING SUMMARY

The results of the sampling are provided in Table 1 (Asbestos Sampling Results) and the asbestos findings are provided in Table 2 (Asbestos Findings) of the Attachments. The laboratory results and sample location map(s) are also provided in the Attachments.

ATTACHMENTS

TABLE 1 – ASBESTOS SAMPLING RESULTS

TABLE 2 – ASBESTOS FINDINGS

PHOTO ALBUM

LOCATION MAPS

LABORATORY REPORTS

LICENSING AND CERTIFICATION

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TABLE 1 – ASBESTOS SAMPLING RESULTS

617 19th Street
Spectrum Project # 18-516

Date Sampled: August 29, 2018

Sample #	Description	Location/Area	PLM Results (% Type)	TEM Results (% Type)
01	**9x9 Mastic**	**Front of Store Under Carpet – East**	**Chrysotile <0.25%**	**Chrysotile 1.5%**
02	**9x9 Mastic**	**Front of Store Under Carpet – West**	**Chrysotile <0.25%**	**NA/PS**
03	**9x9 Gray**	**Front of Store Under Carpet – East**	**Chrysotile 6.3%**	**NA/PS**
04	**9x9 Gray**	**Front of Store Under Carpet – West**	**NA/PS**	**NA/PS**
05	**9x9 Red**	**Front of Store Under Carpet – East**	**NA/PS**	**NA/PS**
06	**9x9 Red**	**Front of Store Under Carpet – West**	**NA/PS**	**NA/PS**
07	Floor Leveler	Around Edge of Carpet	NAD	NA
08	Floor Leveler	Around Edge of Carpet	NAD	NA
09	Carpet Adhesive	Front of Store Under Carpet – East	NAD	NAD
10	Carpet Adhesive	Front of Store Under Carpet – West	NAD	NAD
11	Flu Pack	Boiler Room Around Boiler Vent	NAD	NA
12	Flu Pack	Boiler Room Around Boiler Vent	NAD	NA
13	**Ceiling Panels**	**Boiler Room Ceiling**	**Chrysotile 20.0%**	**NA**
14	**Ceiling Panels**	**Boiler Room Ceiling**	**NA/PS**	**NA**
15	Ceiling Tile	East	NAD	NAD
16	Ceiling Tile	West	NAD	NAD

Note: Asbestos containing materials are greater than 1% asbestos. Trace is considered less than 1% asbestos.
NAD - no asbestos detected, NA - not applicable, NA[1] Sample not submitted, NA/PS – Positive Stop, SF - square feet, LF – linear feet

TABLE 1 – ASBESTOS SAMPLING RESULTS

617 19th Street
Spectrum Project # 18-516

Date Sampled: August 29, 2018

Sample #	Description	Location/Area	PLM Results (% Type)	TEM Results (% Type)
17	**Caulk**	**Metal Door Frame – Exterior**	**NAD**	**Anthophyllite 2.0%**
18	**Caulk**	**Metal Door Frame – Exterior**	**NAD**	**NA/PS**
19	Caulk	Metal Window Frame – Exterior	NAD	NAD
20	Caulk	Metal Window Frame – Exterior	NAD	NAD
21	Window Glaze	Glass Panel on Sides of Front Door – Interior	NAD	Anthophyllite < 1.0%
22	Window Glaze	Glass Panel on Sides of Front Door – Interior	NAD	Anthophyllite < 1.0%
23	Window Glaze	Glass Panel on Sides of Front Door – Exterior	NA[1]	NA
24	Window Glaze	Glass Panel on Sides of Front Door – Exterior	NA[1]	NA
25	Window Glaze	Large Front Windows – Exterior	NAD	NAD
26	Window Glaze	Large Front Windows – Exterior	NAD	NAD
27	Window Glaze	Large Front Windows – Interior	NAD	NAD
28	Window Glaze	Large Front Windows – Interior	NAD	NAD
29	Window Glaze	Large Windows West Side	NAD	NAD
30	Window Glaze	Large Windows West Side	NAD	NAD
31	**Air Cell Pipe Insulation**	**Long Pipe That Crosses The Store Front From East to West**	**Chrysotile 36.4%**	**NA**
32	**Air Cell Pipe Insulation**	**Found on Floor**	**NAD**	**NA**

Note: Asbestos containing materials are greater than 1% asbestos. Trace is considered less than 1% asbestos.
NAD - no asbestos detected, NA - not applicable, NA[1] Sample not submitted, NA/PS – Positive Stop, SF - square feet, LF – linear feet

TABLE 1 – ASBESTOS SAMPLING RESULTS

617 19th Street
Spectrum Project # 18-516

Date Sampled: August 29, 2018

Sample #	Description	Location/Area	PLM Results (% Type)	TEM Results (% Type)
33	**Air Cell Pipe Insulation**	**Long Pipe That Crosses The Structure**	**NA/PS**	**NA**
34	**Pipe Elbow Insulation**	**Elbow on Pipe with Air Cell**	**Chrysotile 30.8%**	**NA**
35	**Pipe Elbow Insulation**	**Elbow on Pipe with Air Cell**	**NA/PS**	**NA**
36	**Pipe Elbow Insulation**	**Elbow on Pipe with Air Cell**	**NA/PS**	**NA**
37	**Parapet Wall Roofing Material**	**Along Parapet Wall East Side**	**Chrysotile 4.2%**	**NA**
38	**Parapet Wall Roofing Material**	**Along Parapet Wall South Side**	**NA/PS**	**NA**
39	**Parapet Wall Roofing Sealer**	**Along Parapet Wall East Side**	**NA/PS**	**NA**
40	**Parapet Wall Roofing Sealer**	**Along Parapet Wall East Side**	**NA/PS**	**NA**
41	Roofing Built Up	Bottom Layer of Roof	Chrysotile <0.25%	NA
42	Roofing Built Up	Bottom Layer of Roof	Chrysotile <0.25%	NA
43	Roofing Insulation	On Top of Built Up	NAD	NA
44	Roofing Insulation	On Top of Built Up	NAD	NA
45	Roofing Layer 4	On Top Of Insulation	NAD	NA
46	Roofing Layer 4	On Top of Insulation	NAD	NA
47	Roofing Layer 3	On top Of Layer 4	NAD	NA
48	Roofing Layer 3	On Top Of Layer 4	NAD	NA

Note: Asbestos containing materials are greater than 1% asbestos. Trace is considered less than 1% asbestos.
NAD - no asbestos detected, NA - not applicable, NA[1] Sample not submitted, NA/PS – Positive Stop, SF - square feet, LF – linear feet

TABLE 1 – ASBESTOS SAMPLING RESULTS

617 19th Street
Spectrum Project # 18-516

Date Sampled: August 29, 2018

Sample #	Description	Location/Area	PLM Results (% Type)	TEM Results (% Type)
49	Roofing Layer 2	On Top of Layer 3	NAD	NA
50	Roofing Layer 2	On Top of Layer 3	NAD	NA
51	Roof Vapor Barrier	Between Layer 2 and 1	NAD	NA
52	Roof Vapor Barrier	Between Layer 2 and 1	NAD	NA
53	Roofing Top Layer	Top Layer of Roof	NAD	NA
54	Roofing Top Layer	Top Layer of Roof	NAD	NA
55	**Roof Seam Sealer**	**On Seams of Flat Roof and Flashing**	**Chrysotile 1.8%**	**NA**
56	**Roof Seam Sealer**	**On Seams of Flat Roof and Flashing**	**NA/PS**	**NA**
57	Silver coat	West Side of Roof	NAD	NAD
58	Silver coat	East Side of Roof	NAD	NAD

Note: Asbestos containing materials are greater than 1% asbestos. Trace is considered less than 1% asbestos.
NAD - no asbestos detected, NA - not applicable, NA[1] Sample not submitted, NA/PS – Positive Stop, SF - square feet, LF – linear feet

TABLE 2 – ASBESTOS FINDINGS

617 19th Street
Spectrum Project # 18-516

Date Sampled: August 29, 2018

Limitations:

The following limitation/conditions were noted as part of the survey:

- OSHA requires that an employer not expose its workers above the PEL and therefore specific training, work practices and/or respiratory protection may need to be a consideration when handling materials that are less than one percent.
- The inspection was performed in accordance with New York State Industrial Code Rule 56 Section 5.1. It is the responsibility of the owner or its agent to forward a copy of this report to the local government entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under applicable State or local laws as well as to the NYS Department of Labor Asbestos Control Bureau. Spectrum will not send this report to the NYSDOL without written permission from its client due to the sensitive nature of the information present in this report.
- A copy of 56-5.1 is available upon request.
- This report reflects the conditions found at the date and time of the inspection(s). Conditions of the area and materials may change due to external events, forces or influences. Re-inspection of the area may be required prior to the start of any work if an extended period of time has passed or if disturbances have occurred.
- All asbestos locations on drawings are approximate. All quantities are estimated and must be field verified prior to use as part of a bidding document. Materials may extend or be hidden behind or within other materials or structural members. Any contractor or other user of this report is required to physically confirm the quantities and verify measurements of materials to be removed, to be bid for removal, or for any other purpose. Contractors are responsible to physically visit the site and confirm all quantities for bidding purposes.
- This survey is for demolition of the structure.
- Spectrum did not inspect any exterior area below grade. Foundation sealers, buried piping and other items may exist below grade which may contain asbestos.

PHOTO ALBUM

TABLE 2 – ASBESTOS FINDINGS

617 19th Street
Spectrum Project # 18-516

Date Sampled: August 29, 2018

Material	Location/Area	Estimated Quantity*	Condition/Damaged
9x9 Mastic	**Front of Store Under Carpet**	**~400 sf**	**Poor**
9x9 Gray			
9x9 Red			
Ceiling Panels	**Boiler Room Ceiling**	**~ 120 sf**	**Poor**
Caulk	**Metal Door Frame – Exterior**	**30**	**Poor**
Air Cell Pipe Insulation[1]	**Long Pipe That Crosses The Store Front & Floor**	**60 lf on piping & entire floor covered needs variance**	**Poor**
Pipe Elbow Insulation	**Elbow on Pipe with Air Cell**	**2 ea**	**Poor**
Parapet Wall Roofing Material	**Along Parapet Wall East Side**	**3,150 sf**	**Poor**
Parapet Wall Roofing Sealer	**Along Parapet Wall East Side**		
Roof Seam Sealer	**On Seams of Flat Roof and Flashing**		

* Quantities of identified ACM are estimates only and should be field verified prior to bid by the contractor or confirmed as part of an RFP or design specification.

Air Cell Pipe Insulation[1] Due to the disturbance of the Air Cell Pipe insulation being greater than 10 sf a site specific variance will be required for the clean-up of the material.

Please see the limitation listed above.

SF–square feet, LF – linear feet, ea – each

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Asbestos Inspection Photo Album of Admiral Cleaners

by

Spectrum Environmental Associates, Inc.

Spectrum Project # 18-516

Date of Inspection: August 29, 2018

20180829_100002

20180829_095956

20180829_100009

20180829_100027

20180829_100032

20180829_100037

20180829_100041

20180829_100209

20180829_100216

20180829_100937

20180829_100926

20180829_100930

20180829_100934

20180829_100958

20180829_100951

20180829_104303

20180829_104309

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LOCATION MAP(S)

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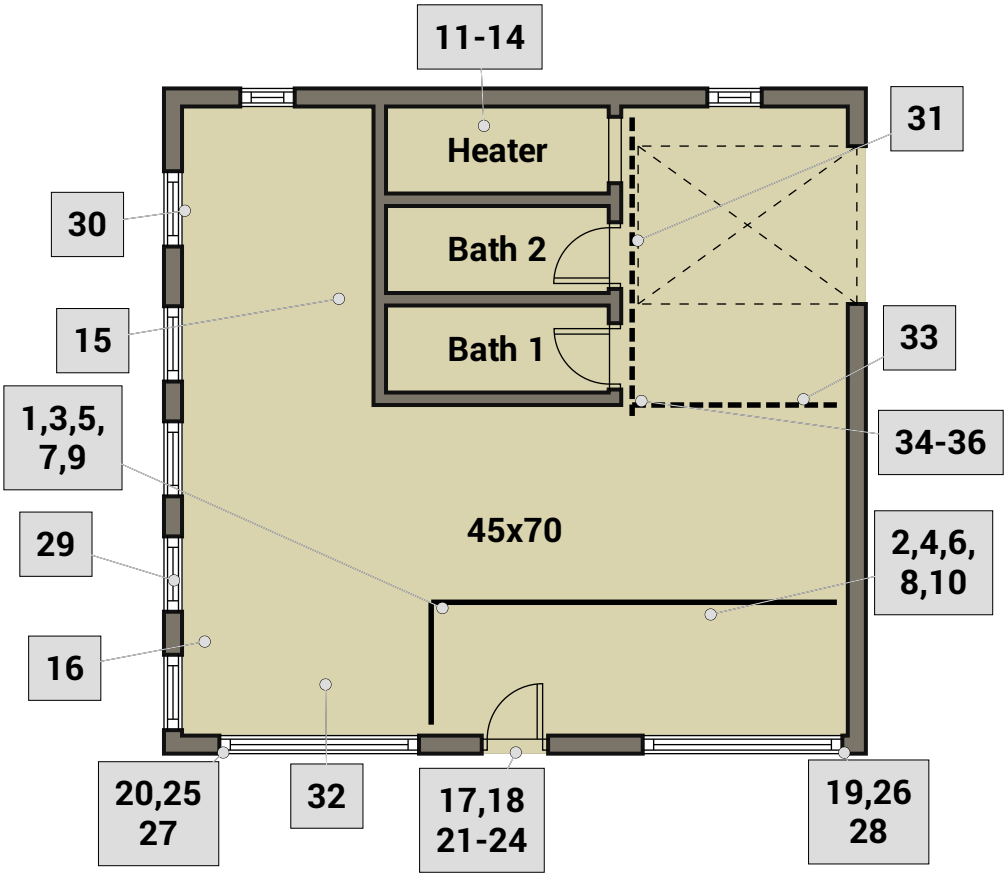
18-516
Admiral Cleaners Watervliet
Demo Survey
Pictorial Representation - NTS



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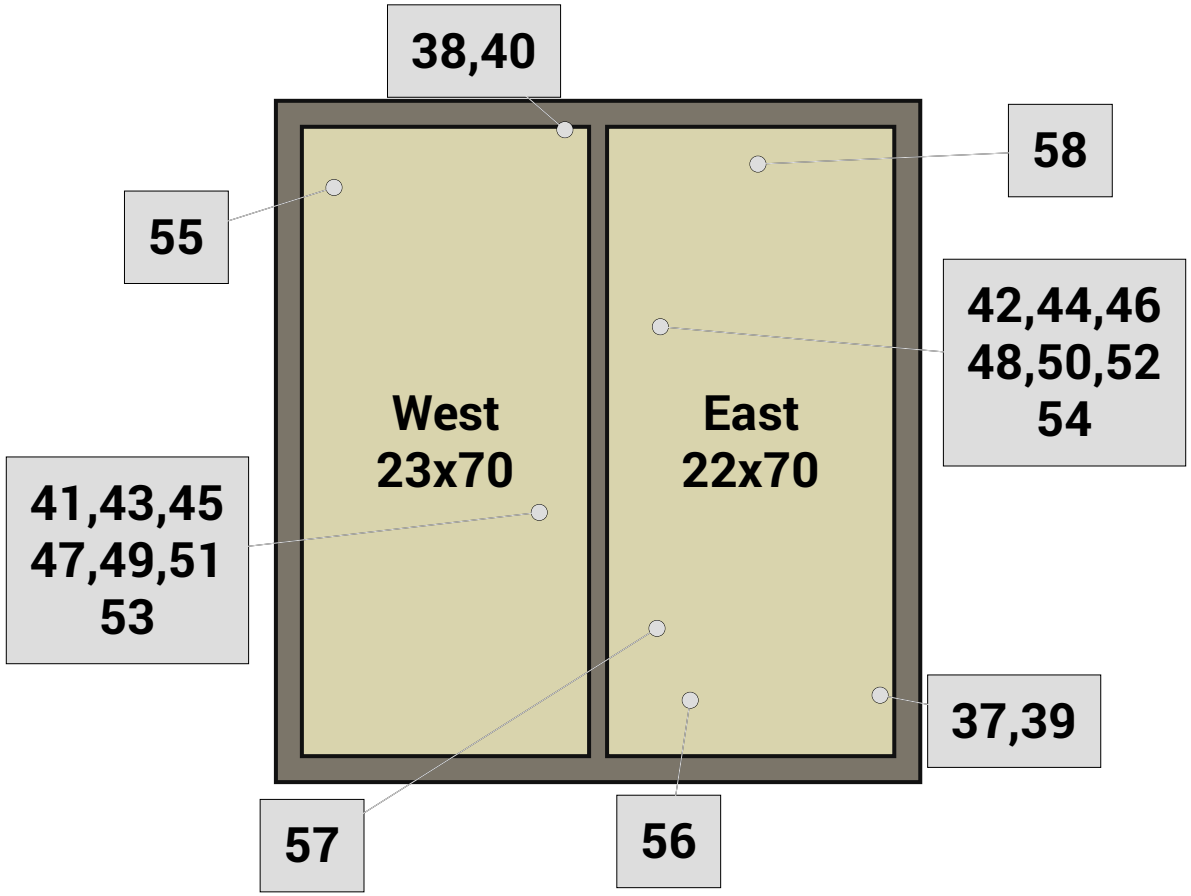
18-516
Admiral Cleaners Watervliet
Demo Survey (Roof)
Pictorial Representation - NTS



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LABORATORY REPORTS

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

PLM Bulk Asbestos Report

Spectrum Environmental Associates, Inc
Attn: Bill Massman
P.O.Box 1024

Schenectady, NY 12301

Date Received 08/30/18
Date Examined 09/05/18
ELAP # 11480
RE: 18-516; Admiral Cleaners; Throughout

AmeriSci Job # 218085610
P.O. #
Page 1 **of** 11

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1	218085610-01	*Yes*	Trace (<0.25 % pc) [1,2]
1	**Location:** Front Of Store Under Carpet East - 9 X 9 Mastic		(EPA 400 PC) by Kensen Caro on 09/05/18
	Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material		
	Asbestos Types: Chrysotile <0.25 % pc		
	Other Material: Non-fibrous 12.7 %		
2	218085610-02	*Yes*	Trace (<0.25 % pc) [1]
1	**Location:** Front Of Store Under Carpet West - 9 X 9 Mastic		(EPA 400 PC) by Kensen Caro on 09/05/18
	Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material		
	Asbestos Types: Chrysotile <0.25 % pc		
	Other Material: Non-fibrous 10.7 %		
3	218085610-03	*Yes*	6.3 %
1	**Location:** Front Of Store Under Carpet East - 9 X 9 Gray		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material		
	Asbestos Types: Chrysotile 6.3 %		
	Other Material: Non-fibrous 29.8 %		
4	218085610-04		NA/PS
1	**Location:** Front Of Store Under Carpet West - 9 X 9 Gray		
	Analyst Description: Bulk Material		
	Asbestos Types:		
	Other Material:		
5	218085610-05		NA/PS
1	**Location:** Front Of Store Under Carpet East - 9 X 9 Red		
	Analyst Description: Bulk Material		
	Asbestos Types:		
	Other Material:		

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6	218085610-06		NA/PS
1	**Location:** Front Of Store Under Carpet West - 9 X 9 Red		
	Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**		
7	218085610-07	***No***	NAD
2	**Location:** Around Edge Of Carpet Area - Floor Leveler		(by NYS ELAP 198.1) by Kensen Caro on 09/05/18
	Analyst Description: Light Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
8	218085610-08	***No***	NAD
2	**Location:** Around Edge Of Carpet Area - Floor Leveler		(by NYS ELAP 198.1) by Kensen Caro on 09/05/18
	Analyst Description: Light Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
9	218085610-09	***No***	NAD
3	**Location:** Front Of Store Under Carpet East - Carpet Adhesive		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 27.8 %		
10	218085610-10	***No***	NAD
3	**Location:** Front Of Store Under Carpet West - Carpet Adhesive		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 22.8 %		
11	218085610-11	***No***	NAD
4	**Location:** Boiler Room Around Boiler Vent - Flu Pack		(by NYS ELAP 198.1) by Kensen Caro on 09/05/18
	Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 4	218085610-12 **Location:** Boiler Room Around Boiler Vent - Flu Pack	***No***	NAD (by NYS ELAP 198.1) by Kensen Caro on 09/05/18
	Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %		
13 5	218085610-13 **Location:** Boiler Room Ceiling - Ceiling Panels	***Yes***	20 % (by NYS ELAP 198.1) by Kensen Caro on 09/05/18
	Analyst Description: Grey, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 20.0 % **Other Material:** Non-fibrous 80 %		
14 5	218085610-14 **Location:** Boiler Room Ceiling - Ceiling Panels		NA/PS
	Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**		
15 6	218085610-15 **Location:** East - Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 76.2 %		
16 6	218085610-16 **Location:** West - Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 75.6 %		
17 7	218085610-17 **Location:** Metal Door Frame - Exterior - Caulk	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 20.3 %		

ɜee Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18	218085610-18	***No***	NAD
7	**Location:** Metal Door Frame - Exterior - Caulk		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.6 %			
19	218085610-19	***No***	NAD
8	**Location:** Metal Window Frame - Exterior - Caulk		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.4 %			
20	218085610-20	***No***	NAD
8	**Location:** Metal Window Frame - Exterior - Caulk		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 17.2 %			
21	218085610-21	***No***	NAD
9	**Location:** Glass Panel On Sides Of Front Door - Interior - Window Glaze		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.7 %			
22	218085610-22	***No***	NAD
9	**Location:** Glass Panel On Sides Of Front Door - Interior - Window Glaze		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.3 %			
23	218085610-23		NA
10	**Location:** Glass Panel On Sides Of Front Door - Exterior - Window Glaze "Sample Not Submitted"		
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

ee Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24	218085610-24		NA
10	**Location:** Glass Panel On Sides Of Front Door - Exterior - Window Glaze "Sample Not Submitted"		
	Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**		
25	218085610-25	***No***	NAD
11	**Location:** Large Front Windows - Exterior - Window Glaze		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 18.2 %		
26	218085610-26	***No***	NAD
11	**Location:** Large Front Windows - Exterior - Window Glaze		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.3 %		
27	218085610-27	***No***	NAD
12	**Location:** Large Front Windows - Interior - Window Glaze		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.8 %		
28	218085610-28	***No***	NAD
12	**Location:** Large Front Windows - Interior - Window Glaze		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2 %		
29	218085610-29	***No***	NAD
13	**Location:** Large Windows West Side - Window Glaze		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.5 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30 13	218085610-30 **Location:** Large Windows West Side - Window Glaze	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.7 %			
31 14	218085610-31 **Location:** Long Pipe That Crosses The Store From East To West - Air Cell Pipe Insulation	***Yes***	36.4 % (by NYS ELAP 198.1) by Kensen Caro on 09/05/18
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 36.4 % **Other Material:** Cellulose 40 %, Non-fibrous 23.6 %			
32 14	218085610-32 **Location:** Found On Floor - Air Cell Pipe Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
33 14	218085610-33 **Location:** Long Pipe That Crosses Structure - Air Cell Pipe Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
34 15	218085610-34 **Location:** Elbow On Pipe With Air Cell - Pipe Elbow Insulation	***Yes***	30.8 % (by NYS ELAP 198.1) by Kensen Caro on 09/05/18
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 30.8 % **Other Material:** Non-fibrous 69.2 %			
35 15	218085610-35 **Location:** Elbow On Pipe With Air Cell - Pipe Elbow Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36	218085610-36		NA/PS
15	**Location:** Elbow On Pipe With Air Cell - Pipe Elbow Insulation		
	Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**		
37	218085610-37	***Yes***	4.3 %
16	**Location:** Along Parapet Wall East Side - Parapet Wall Roofing Material		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
	Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 4.2 % **Other Material:** Non-fibrous 24.4 %		
38	218085610-38		NA/PS
16	**Location:** Along Parapet Wall South Side - Parapet Wall Roofing Material		
	Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**		
39	218085610-39		NA/PS
16	**Location:** Along Parapet Wall East Side - Parapet Wall Roofing Sealer		
	Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**		
40	218085610-40		NA/PS
16	**Location:** Along Parapet Wall East Side - Parapet Wall Roofing Sealer		
	Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**		
41	218085610-41	***Yes***	Trace (<0.25 % pc) [1]
17	**Location:** Bottom Layer Of Roof - Roofing Built Up		(EPA 400 PC) by Kensen Caro on 09/05/18
	Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 5.8 %		

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
42 17	218085610-42 **Location:** Bottom Layer Of Roof - Roofing Built Up	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 5.6 %			
43 17	218085610-43 **Location:** On Top Of Built Up - Roofing Insulation	***No***	NAD (by NYS ELAP 198.1) by Kensen Caro on 09/05/18
Analyst Description: Dark Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 45 %, Non-fibrous 55 %			
44 17	218085610-44 **Location:** On Top Of Built Up - Roofing Insulation	***No***	NAD (by NYS ELAP 198.1) by Kensen Caro on 09/05/18
Analyst Description: Dark Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Non-fibrous 60 %			
45 17	218085610-45 **Location:** On Top Of Insulation - Roofing Layer 4	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5 %			
46 17	218085610-46 **Location:** On Top Of Insulation - Roofing Layer 4	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.2 %			
47 17	218085610-47 **Location:** On Top Of Layer 4 - Roofing Layer 3	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.4 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
48 17	218085610-48 **Location:** On Top Of Layer 4 - Roofing Layer 3	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.8 %			
49 17	218085610-49 **Location:** On Top Of Layer 3 - Roofing Layer 2	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5 %			
50 17	218085610-50 **Location:** On Top Of Layer 3 - Roofing Layer 2	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.1 %			
51 17	218085610-51 **Location:** Between Layer 2 And 1 - Roof Vapor Barrier	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 14.1 %			
52 17	218085610-52 **Location:** Between Layer 2 And 1 - Roof Vapor Barrier	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4 %			
53 17	218085610-53 **Location:** Top Layer Of Roof - Roofing Top Layer	***No***	NAD (by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 12.8 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
54	218085610-54	***No***	NAD
17	**Location:** Top Layer Of Roof - Roofing Top Layer		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 12.7 %			
55	218085610-55	***Yes***	1.8 %
17	**Location:** On Seams Of Flat Roof And Flashing - Roof Seam Sealer		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 1.8 % **Other Material:** Non-fibrous 9.6 %			
56	218085610-56		NA/PS
17	**Location:** On Seams Of Flat Roof And Flashing - Roof Seam Sealer		
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
57	218085610-57	***No***	NAD
18	**Location:** West Side Of Roof - Silvercoat		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Silver, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 57.5 %			
58	218085610-58	***No***	NAD
18	**Location:** East Side Of Roof - Silvercoat		(by NYS ELAP 198.6) by Kensen Caro on 09/05/18
Analyst Description: Silver, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 54.9 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-516; Admiral Cleaners; Throughout

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

(2) This job was - Analyzed using Motic BA310 Pol Scope S/N 1190000538

Analyzed by: Kensen Caro

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); 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-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:

END OF REPORT

Client Name: Spectrum Environmental Associates, Inc.

Table I
Summary of Bulk Asbestos Analysis Results
18-516; Admiral Cleaners; Throughout (Report Amended 9/19/2018)

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	1	1	0.316	55.4	32.0	11.2	Chrysotile <0.25	Chrysotile 1.5
Location:	Front Of Store Under Carpet East - 9 X 9 Mastic							
02	2	1	0.215	53.0	36.3	10.7	Chrysotile <0.25	NA/PS
Location:	Front Of Store Under Carpet West - 9 X 9 Mastic							
03	3	1	0.249	25.7	38.2	29.8	Chrysotile 6.3	NA/PS
Location:	Front Of Store Under Carpet East - 9 X 9 Gray							
04	4	1	0.282	24.1	39.7	36.2	NA/PS	NA/PS
Location:	Front Of Store Under Carpet West - 9 X 9 Gray							
05	5	1	0.279	24.0	32.3	43.7	NA/PS	NA/PS
Location:	Front Of Store Under Carpet East - 9 X 9 Red							
06	6	1	0.275	23.6	38.5	37.8	NA/PS	NA/PS
Location:	Front Of Store Under Carpet West - 9 X 9 Red							
07	7	2	----	----	----	----	NAD	NA
Location:	Around Edge Of Carpet Area - Floor Leveler							
08	8	2	----	----	----	----	NAD	NA
Location:	Around Edge Of Carpet Area - Floor Leveler							
09	9	3	0.216	56.0	16.2	27.8	NAD	NAD
Location:	Front Of Store Under Carpet East - Carpet Adhesive							
10	10	3	0.202	55.0	22.3	22.8	NAD	NAD
Location:	Front Of Store Under Carpet West - Carpet Adhesive							
11	11	4	----	----	----	----	NAD	NA
Location:	Boiler Room Around Boiler Vent - Flu Pack							
12	12	4	----	----	----	----	NAD	NA
Location:	Boiler Room Around Boiler Vent - Flu Pack							
13	13	5	----	----	----	----	Chrysotile 20.0	NA
Location:	Boiler Room Ceiling - Ceiling Panels							
14	14	5	----	----	----	----	NA/PS	NA
Location:	Boiler Room Ceiling - Ceiling Panels							
15	15	6	0.282	23.4	0.4	76.2	NAD	NAD
Location:	East - Ceiling Tile							
16	16	6	0.250	16.4	8.0	75.6	NAD	NAD
Location:	West - Ceiling Tile							

See Reporting notes on last page

Client Name: Spectrum Environmental Associates, Inc.

Table I
Summary of Bulk Asbestos Analysis Results
18-516; Admiral Cleaners; Throughout (Report Amended 9/19/2018)

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	17	7	0.123	13.0	66.7	18.3	NAD	Anthophyllite 2.0
Location:	Metal Door Frame - Exterior - Caulk							
18	18	7	0.288	18.1	66.3	15.6	NAD	NA/PS
Location:	Metal Door Frame - Exterior - Caulk							
19	19	8	0.201	78.6	6.0	15.4	NAD	NAD
Location:	Metal Window Frame - Exterior - Caulk							
20	20	8	0.186	72.6	10.2	17.2	NAD	NAD
Location:	Metal Window Frame - Exterior - Caulk							
21	21	9	0.298	9.1	84.2	6.5	NAD	Anthophyllite <1.0
Location:	Glass Panel On Sides Of Front Door - Interior - Window Glaze							
22	22	9	0.319	11.9	81.8	6.1	NAD	Anthophyllite <1.0
Location:	Glass Panel On Sides Of Front Door - Interior - Window Glaze							
23	23	10	----	----	----	----	NA	NA
Location:	Glass Panel On Sides Of Front Door - Exterior - Window Glaze "Sample Not Submitted"							
24	24	10	----	----	----	----	NA	NA
Location:	Glass Panel On Sides Of Front Door - Exterior - Window Glaze "Sample Not Submitted"							
25	25	11	0.247	66.0	15.8	18.2	NAD	NAD
Location:	Large Front Windows - Exterior - Window Glaze							
26	26	11	0.177	65.5	19.2	15.3	NAD	NAD
Location:	Large Front Windows - Exterior - Window Glaze							
27	27	12	0.220	64.5	33.6	1.8	NAD	NAD
Location:	Large Front Windows - Interior - Window Glaze							
28	28	12	0.202	63.4	34.7	2.0	NAD	NAD
Location:	Large Front Windows - Interior - Window Glaze							
29	29	13	0.288	11.1	85.4	3.5	NAD	NAD
Location:	Large Windows West Side - Window Glaze							
30	30	13	0.256	12.5	82.8	4.7	NAD	NAD
Location:	Large Windows West Side - Window Glaze							
31	31	14	----	----	----	----	Chrysotile 36.4	NA
Location:	Long Pipe That Crosses The Store From East To West - Air Cell Pipe Insulation							
32	32	14	----	----	----	----	NA/PS	NA
Location:	Found On Floor - Air Cell Pipe Insulation							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
18-516; Admiral Cleaners; Throughout (Report Amended 9/19/2018)

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	33	14	----	----	----	----	NA/PS	NA
Location:	Long Pipe That Crosses Structure - Air Cell Pipe Insulation							
34	34	15	----	----	----	----	Chrysotile 30.8	NA
Location:	Elbow On Pipe With Air Cell - Pipe Elbow Insulation							
35	35	15	----	----	----	----	NA/PS	NA
Location:	Elbow On Pipe With Air Cell - Pipe Elbow Insulation							
36	36	15	----	----	----	----	NA/PS	NA
Location:	Elbow On Pipe With Air Cell - Pipe Elbow Insulation							
37	37	16	0.268	53.7	17.5	24.4	Chrysotile 4.2	NA
Location:	Along Parapet Wall East Side - Parapet Wall Roofing Material							
38	38	16	0.338	44.4	17.5	38.2	NA/PS	NA
Location:	Along Parapet Wall South Side - Parapet Wall Roofing Material							
39	39	16	0.428	72.2	15.4	12.4	NA/PS	NA
Location:	Along Parapet Wall East Side - Parapet Wall Roofing Sealer							
40	40	16	0.389	80.7	6.2	13.1	NA/PS	NA
Location:	Along Parapet Wall East Side - Parapet Wall Roofing Sealer							
41	41	17	0.497	93.0	1.2	5.8	Chrysotile <0.25	NA
Location:	Bottom Layer Of Roof - Roofing Built Up							
42	42	17	0.448	91.3	3.1	5.6	Chrysotile <0.25	NA
Location:	Bottom Layer Of Roof - Roofing Built Up							
43	43	17	----	----	----	----	NAD	NA
Location:	On Top Of Built Up - Roofing Insulation							
44	44	17	----	----	----	----	NAD	NA
Location:	On Top Of Built Up - Roofing Insulation							
45	45	17	0.366	98.4	1.1	0.5	NAD	NA
Location:	On Top Of Insulation - Roofing Layer 4							
46	46	17	0.423	98.8	0.9	0.2	NAD	NA
Location:	On Top Of Insulation - Roofing Layer 4							
47	47	17	0.282	97.5	2.1	0.4	NAD	NA
Location:	On Top Of Layer 4 - Roofing Layer 3							
48	48	17	0.480	96.9	2.3	0.8	NAD	NA
Location:	On Top Of Layer 4 - Roofing Layer 3							

See Reporting notes on last page

Client Name: Spectrum Environmental Associates, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

18-516; Admiral Cleaners; Throughout (Report Amended 9/19/2018)

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	49	17	0.216	98.6	0.9	0.5	NAD	NA
Location:	On Top Of Layer 3 - Roofing Layer 2							
50	50	17	0.425	95.3	2.6	2.1	NAD	NA
Location:	On Top Of Layer 3 - Roofing Layer 2							
51	51	17	0.220	70.5	15.5	14.1	NAD	NA
Location:	Between Layer 2 And 1 - Roof Vapor Barrier							
52	52	17	0.176	86.9	9.1	4.0	NAD	NA
Location:	Between Layer 2 And 1 - Roof Vapor Barrier							
53	53	17	0.368	83.2	4.1	12.8	NAD	NA
Location:	Top Layer Of Roof - Roofing Top Layer							
54	54	17	0.378	84.9	2.4	12.7	NAD	NA
Location:	Top Layer Of Roof - Roofing Top Layer							
55	55	17	0.431	79.8	8.8	9.6	Chrysotile 1.8	NA
Location:	On Seams Of Flat Roof And Flashing - Roof Seam Sealer							
56	56	17	0.371	85.7	7.0	7.3	NA/PS	NA
Location:	On Seams Of Flat Roof And Flashing - Roof Seam Sealer							
57	57	18	0.160	33.1	9.4	57.5	NAD	NAD
Location:	West Side Of Roof - Silvercoat							
58	58	18	0.164	35.4	9.8	54.9	NAD	NAD
Location:	East Side Of Roof - Silvercoat							

Analyzed by: Marik Peysakhov  ; Date Analyzed 9/19/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 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 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; 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): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

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:_____

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#218085610

BULK SAMPLING CHAIN OF CUSTODY (Rev. 03/07/2014)

PROJECT INFORMATION

Project #: 18-516	Building Name: Admiral Cleaners	**Matrix**		**Analysis Requested**		**Turnaround**	
Date Sampled: 8-29-18	Area/Location: Throughout	☒ Bulk	☐ Paint	☒ PLM – ELAP 198.1	☒ TEM – ELAP 198.4	☐ RUSH	☐ 24 Hour
Page # 1 of 4	Investigator: Bruce Campbell Jr.	☐ Soil	☐ Wipe	☒ PLM – ELAP 198.6	☐	☐ 72 Hour	☑ 5 day

SAMPLE IDENTIFICATION

Sample ID #:	Group #: *	Material	Sample Location	Condition/Comment
1	1	9x9 Mastic	Front of store under carpet east	400 sq' Poor
2	1	9x9 Mastic	Front of store under carpet west	
3	1	9x9 gray	Front of store under carpet east	
4	1	9x9 gray	Front of store under carpet west	
5	1	9x9 red	Front of store under carpet east	
6	1	9x9 red	Front of store under carpet west	400 sq'
7	2	Floor leveler	Around edge of carpeted area	
8	2	Floor leveler	Around edge of carpeted area	
9	3	Carpet adhesive	Front of store under carpet east	400 sq'
10	3	Carpet adhesive	Front of store under carpet west	400 sq'
11	4	Flu pack	Boiler room around boiler vent	2 sq'
12	4	Flu pack	Boiler room around boiler vent	2 sq'
13	5	Ceiling panels	Boiler room ceiling	120 sq'
14	5	Ceiling panels	Boiler room ceiling	120 sq'
15	6	Ceiling tile	East	
16	6	Ceiling tile	West	

* Unless otherwise stated please analyze each group to first (1st) positive result.

Comments:

CHAIN OF CUSTODY

	Relinquished By	Date	Time	Received By	Date	Time	Method of Submittal
I		8-29-18	1600		8/30/18	1315	
II							
III							

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BULK SAMPLING CHAIN OF CUSTODY (Rev. 03/07/2014)

PROJECT INFORMATION

Project #: 18-516	Building Name: Admiral Cleaners	Matrix		Analysis Requested		Turnaround	
Date Sampled: 8-29-18	Area/Location: Throughout	☒ Bulk	☐ Paint	☒ PLM – ELAP 198.1	☒ TEM – ELAP 198.4	☐ RUSH	☐ 24 Hour
Page # 2 of 4	Investigator: Bruce Campbell Jr.	☐ Soil	☐ Wipe	☒ PLM – ELAP 198.6	☐	☐ 72 Hour	☑ 5 day

SAMPLE IDENTIFICATION

Sample ID #:	Group #: *	Material	Sample Location	Condition/Comment
17	7	Caulk	Metal door frame - exterior	30' PCM
18	7		Metal door frame - exterior	30'
19	8		Metal window frame - exterior	42'
20	8	Caulk	Metal window frame - exterior	42'
21	9	Window glaze	Glass panel on sides of front door - interior	16'
22	9		Glass panel on sides of front door - interior	
23	10		Glass panel on sides of front door - exterior	
24	10		Glass panel on sides of front door - exterior	16'
25	11		Large front windows - exterior	85"x163"
26	11		Large front windows - exterior	
27	12		Large front windows - interior	
28	12		Large front windows - interior	85"x163"
29	13		Large windows west side	5 windows @ 5'x8'
30	13	Window glaze	Large windows west side	5 windows @ 5'x8'
31	14	Air cell pipe insulation	Long pipe that crosses the store from east to west	
32	14	Air cell pipe insulation	Found on floor	

* Unless otherwise stated please analyze each group to first (1st) positive result.

Comments:

CHAIN OF CUSTODY

	Relinquished By	Date	Time	Received By	Date	Time	Method of Submittal
I	[signature]	82916	1600	M. Vell	8/30/18	1345	
II							
III							

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BULK SAMPLING CHAIN OF CUSTODY (Rev. 03/07/2014)

PROJECT INFORMATION

Project #: 18-516	Building Name: Admiral Cleaners	Matrix		Analysis Requested		Turnaround	
Date Sampled: 8-29-18	Area/Location: Throughout	☒ Bulk	☐ Paint	☒ PLM – ELAP 198.1	☒ TEM – ELAP 198.4	☐ RUSH	☐ 24 Hour
Page # 3 of 4	Investigator: Bruce Campbell Jr.	☐ Soil	☐ Wipe	☒ PLM – ELAP 198.6	☐	☐ 72 Hour	☑ 5 day

SAMPLE IDENTIFICATION

Sample ID #:	Group #: *	Material	Sample Location	Condition/Comment
33	14	Air cell pipe insulation	Long pipe that crosses structure	Poor
34	15	Pipe elbow insulation	Elbow on pipe with air cell	
35	15	Pipe elbow insulation	Elbow on pipe with air cell	
36	15	Pipe elbow insulation	Elbow on pipe with air cell	
37	16	Parapet wall roofing material	Along parapet wall east side	
38	16	Parapet wall roofing material	Along parapet wall south side	
39	16	Parapet wall roofing sealer	Along parapet wall east side	
40	16	Parapet wall roofing sealer	Along parapet wall south side	
41	17	Roofing built up	Bottom layer of roof	
42	17	Roofing built up	Bottom layer of roof	
43	17	Roofing insulation	On top of built up	
44	17	Roofing insulation	On top of built up	
45	17	Roofing layer 4	On top of insulation	
46	17	Roofing layer 4	On top of insulation	
47	17	Roofing layer 3	On top of layer 4	
48	17	Roofing layer 3	On top of layer 4	

* Unless otherwise stated please analyze each group to first (1st) positive result.

Comments:

CHAIN OF CUSTODY

	Relinquished By	Date	Time	Received By	Date	Time	Method of Submittal
I	[signature]	8-29-18	1600	M. Uttl	8/30/18	1345	
II							
III							

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BULK SAMPLING CHAIN OF CUSTODY (Rev. 03/07/2014)

PROJECT INFORMATION

Project #: 18-516	Building Name: Admiral Cleaners	Matrix		Analysis Requested		Turnaround	
Date Sampled: 8-29-18	Area/Location: Throughout	☒ Bulk	☐ Paint	☒ PLM – ELAP 198.1	☒ TEM – ELAP 198.4	☐ RUSH	☐ 24 Hour
Page # 4 of 4	Investigator: Bruce Campbell Jr.	☐ Soil	☐ Wipe	☒ PLM – ELAP 198.6	☐	☐ 72 Hour	☑ 5 day

SAMPLE IDENTIFICATION

Sample ID #:	Group #: *	Material	Sample Location	Condition/Comment
49	17	Roofing layer 2	On top of layer 3	Poor
50	17	Roofing layer 2	On top of layer 3	
51	17	Roof vapor barrier	Between layers 2 and 1	
52	17	Roof vapor barrier	Between layers 2 and 1	
53	17	Roofing top layer	Top layer of roof	
54	17	Roofing top layer	Top layer of roof	
55	17	Roof seam sealer	On seams of flat roof and flashing	
56	17	Roof seam sealer	On seams of flat roof and flashing	
57	18	Silvercoat	West side of roof	Approx 50 sq' spread out in random areas
58	18	Silvercoat	East side of roof	Approx 50 sq' spread out in random areas
				Poor

* Unless otherwise stated please analyze each group to first (1st) positive result.

Comments:

CHAIN OF CUSTODY

	Relinquished By	Date	Time	Received By	Date	Time	Method of Submittal
I		8-29-18	1600		8/30/18	13:45	
II							
III							

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LICENSING AND CERTIFICATION

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P. O. Box 1024
Schenectady, NY 12301
(518) 346-6374 (Phone)
(518) 346-4062 (Fax)
www.4spectrum.com

State of New York – Department of Labor

Asbestos Certification


STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S
BRUCE W CAMPBELL JR
CLASS(EXPIRES)
C ATEC(05/19) D INSP(05/19)
H PM (05/19)
CERT# 15-11979
DMV# 881815609
MUST BE CARRIED ON ASBESTOS PROJECTS
01213 004633577 47
EYES GRN
HAIR BRO
HGT 6' 00"
IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

State of New York – Department of Labor

Codes	Certification
A	Asbestos Handler
B	Restricted Handler - Allied Trades
C	Air Sampling Technician
D	Inspector
E	Management Planner
F	Operations and Maintenance
G	Supervisor
H	Project Monitor
I	Project Designer

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

Spectrum Environmental Associates, Inc

P.O. Box 1024

Schenectady, NY 12301

FILE NUMBER: 99-0129
LICENSE NUMBER: 29081
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/08/2018
EXPIRATION DATE: 02/28/2019

Duly Authorized Representative – William L Massmann:

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.

Eileen M. Franko, Director
For the Commissioner of Labor

SH 432 (8/12)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2019
Issued April 01, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL J. MUCHA
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 57809

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Appendix B

Drawing Package

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ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075

617 19th STREET

WATERVLIET, NEW YORK

PREPARED FOR
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY, NY

NEW YORK STATE MAP

NTS

VICINITY MAP

NTS

SITE MAP

NTS

WARNING – IT IS A VIOLATION OF NEW YORK EDUCATION LAW, ARTICLE 145, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN any WAY. IF ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, ARTICLE 145, SECTION 7209.2.

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

NO.	DATE	DESCRIPTION
		REVISIONS

TITLE SHEET

ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075
617 19TH STREET
WATERVLIET, NEW YORK

PREPARED BY:
EA ENGINEERING, P.C.
AND ITS AFFILIATE
EA SCIENCE AND
TECHNOLOGY

CARRS#	
EA #	1490738
DESIGN #	
FILE	1490738-Planset.dwg
DRAWN BY	DPA
DATE	APRIL 2019
SCALE	AS SHOWN
SS	

SHEET # 1

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2	EXISTING CONDITIONS PLAN, NOTES, & LEGEND
3	SITE PREPARATION PLAN
4	INTERIM CONDITIONS PLAN
5	BUILDING PLAN & ELEVATION
6	SITE RESTORATION DETAILS

GENERAL CONSTRUCTION NOTES:

1. THE FOLLOWING DRAWINGS OUTLINE THE SITE PLAN, EXISTING CONDITIONS, AND PROPOSED RESTORATION FOR THE DEMOLITION OF THE ONE-STORY BUILDING LOCATED AT 617 NINETEENTH STREET, WATERVLIET, NEW YORK (ADMIRAL CLEANERS BUILDING). THIS BUILDING IS A ONE-STORY CONCRETE, MASONRY, WOOD AND STEEL BUILDING.
2. CONSTRUCTION DRAWINGS ARE ISSUED WITH AND AS A COMPONENT OF THE INTERIM REMEDIAL MEASURE NO. 1 SCOPE OF WORK – BUILDING DEMOLITION WORK PLAN FOR THE ADMIRAL CLEANERS SITE (SITE NO. 401075)
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL, STATE, AND FEDERAL REGULATIONS. WORK SHALL BE COMPLETED IN ACCORDANCE WITH NEW YORK STATE BUILDING CODES.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM THE WORK AS SHOWN ON THE PLAN SET AND AS DESCRIBED IN THE SCOPE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE MINIMIZING AND PREVENTING DUST, DEMOLITION DEBRIS, AND SOIL FROM IMPACTING ROADS DUE TO VEHICLES ARRIVING AND LEAVING THE JOB SITE AS PART OF THIS WORK.
6. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK THAT WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
7. ALL UNDERGROUND AND OVERHEAD UTILITIES SHALL BE TERMINATED OR RE-ROUTED PRIOR TO DEMOLITION AS DESCRIBED ON SHEET #3 OF THIS PLANSET.
8. AS PART OF THE COMMUNITY AIR MONITORING PLAN (CAMP) THE CONTRACTOR IS RESPONSIBLE TO ENSURE AND DOCUMENT THAT PROJECT EMISSIONS OF FUGITIVE DUST ARE NOT RECEIVED BY ADJACENT HOMEOWNERS AND PROPERTIES.
9. BUILDING MEASUREMENTS PROVIDED HEREIN REPRESENT APPROXIMATE FIELD MEASUREMENTS.
10. SITE LOGISTICS, TRUCK ROUTING, SAFETY ZONES, CONTAINER PLACEMENT, ETC. SHALL BE ESTABLISHED AND IMPLEMENTED PRIOR TO START OF DEMOLITION.
11. CONTRACTOR IS EXPECTED TO RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO DESIGN ANY EXCAVATION AND MONITORING PROTOCOLS REQUIRED TO BE PROTECTIVE OF ADJACENT STRUCTURES AND FACILITIES WHILE PERFORMING THE WORK.

SURVEY NOTES:

12. HORIZONTAL DATUM IS REFERENCED TO NAD83(2011)-NYSPCS, EAST ZONE.
13. VERTICAL DATUM IS REFERENCED TO NAVD88, ESTABLISHED BY STATIC GPS METHODS FROM NYS CORS NETWORK.
14. PROJECT UNITS ARE U.S. SURVEY FEET.
15. APPROXIMATELY 5" OF SNOW/ICE COVER WHEN THE FIELD WORK WAS CONDUCTED
16. UTILITIES SHOWN HEREON ARE BASED ON VISIBLE EVIDENCE ONLY. ALL UNDERGROUND UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. THERE IS NO GUARANTEE THAT ALL EXISTING UTILITIES, WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA ARE SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK AND SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THIS WORK. BEFORE COMMENCING WORK, CONTACT "DIG SAFELY NE.O.W. YORK" AT 1-800-962-7962 AND PROVIDE 72 HOURS NOTICE. ALL UTILITY INFORMATION SHOWN HEREON IS BASED UPON FILED MARKING AND VISIBLE FEATURES PRESENT AT THE TIME OF SURVEY. NO UTILITY RESEARCH WAS PERFORMED BY THE SURVEYOR.
17. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE, AND IS SUBJECT TO ANY EASEMENTS OR ENCUMBRANCES OF RECORD.
18. DIMENSIONS ALONG BOUNDARY/PROPERTY LINES REPRESENTS FIELD MEASUREMENTS
19. BEARINGS SHOWN AND UTILIZED HEREON ARE RELATIVE TO GRID NORTH AS REFERENCED TO THE NY STATE PLANE COORDINATE SYSTEM, EAST ZONE. TRUE NORTH AT THE 74° 30' 00" MERIDIAN OF WEST LONGITUDE.

GENERAL SAFETY & SECURITY STANDARDS FOR CONSTRUCTION:

20. ALL CONSTRUCTION AND DEMOLITION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
21. FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
22. GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
23. CONTRACTOR SHALL ESTABLISH SAFE ZONES AND INSTALL SITE PROTECTION AS REQUIRED BY INTERNATIONAL BUILDING CODE; CHAPTER 33.
    a. OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SINGS TO PREVENT ENTRY.
24. PROPER OPERATIONS OF FIRE EXTINGUISHERS SHALL BE MAINTAINED THROUGHOUT THE PROJECT.

LEGEND

FFE 524.52	FIRST FLOOR ELEVATION
EL 524.52	SPOT ELEVATION
	VAULT
	MON. WELL
	LIGHT POLE
	UTILITY POLE
	SEWER CLEANOUT
	WATER VALVE
	POST
	DEED LINE
	PROPERTY LINE
X 4"	SLAB THICKNESS MEASUREMENT LOCATION

ABBREVIATIONS

BM	BENCH MARK
CONC.	CONCRETE
(D)	DEED
E.P.	EDGE OF PAVEMENT
EL	ELEVATION
(F)	FIELD MEASUREMENT
FFE	FINISHED FLOOR ELEVATION
FT	FEET
IN	INCH
L.	LIBER
NG	NATURAL GAS
P.	PAGE

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Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY

NO.	DATE	DESCRIPTION
		REVISIONS

EXISTING CONDITIONS PLAN, NOTES. & LEGEND

ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075
617 19TH STREET
WATERVLIET, NEW YORK

PREPARED BY:
EA ENGINEERING, P.C.
AND ITS AFFILIATE
EA SCIENCE AND TECHNOLOGY

CARRS#	
E.A #	1490738
DESIGN #	
FILE	1490738-Planset.dwg
DRAWN BY	DPA
DATE	APRIL 2019
SCALE	AS SHOWN
SS	

SHEET # 2

SITE ACCESS AND PREPARATION NOTES

1. CONTRACTOR IS EXPECTED TO REMOVE EXISTING PERIMETER FENCING/GATE POSTS ON THE PROPERTY TO CLEAR THE AREA FOR BUILDING DEMOLITION.

2. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION FENCING AND ACCESS GATES IN ACCORDANCE WITH NEW YORK STATE BUILDING CODES. EXACT LOCATION OF FENCING AND GATES TO BE DETERMINED BY CONTRACTOR AND SPECIFIED IN CONTRACTORS DEMOLITION WORK PLAN.

TREE REMOVAL NOTES

3. CONTRACTOR IS EXPECTED TO CLEAR AND GRUB THE SITE. ALL TREES ON THE NORTHERN EDGE OF THE PROPERTY AND WITHIN THE 10-FT ALLEY TO THE NORTH OF THE PROPERTY WILL BE CUT TO ALLOW FOR OVERHEAD CLEARANCE. STUMPS AND ROOTS WILL BE GROUND TO A MINIMUM 6-IN BELOW GRADE.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND MAKE ARRANGEMENTS WITH THE UTILITY COMPANY FOR THE REMOVAL OF BRANCHES EXTENDING THROUGH POWER AND/OR TELEPHONE LINES SO REMOVAL OPERATIONS WILL NOT BE DELAYED.

5. THE CONTRACTOR SHALL PROTECT SIDEWALKS, CURBS, STREETS, MANHOLE COVERS AND CATCH BASINS, HOUSING PROPERTY AND AUTOMOBILES FROM THE IMPACT OF FALLING WOOD BY THE USE OF LIMB GROUND SUPPORTS WHEN NEEDED.

6. PUBLIC TREES REMOVED IN THE PUBLIC ROW WILL BE REPLACED IN KIND WITH THE SAME TREE SPECIES OR AS RECOMMENDED THE CITY OF WATERVLIET TREE COMMITTEE. BURLAP AND CAGE MUST BE REMOVED FROM ROOT BALL PRIOR TO PLANTING. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF WATERVLIET TO REMOVE PUBLIC TREES PRIOR TO COMMENCING TREE REMOVAL WORK.

UTILITIES TERMINATION AND RELOCATION NOTES

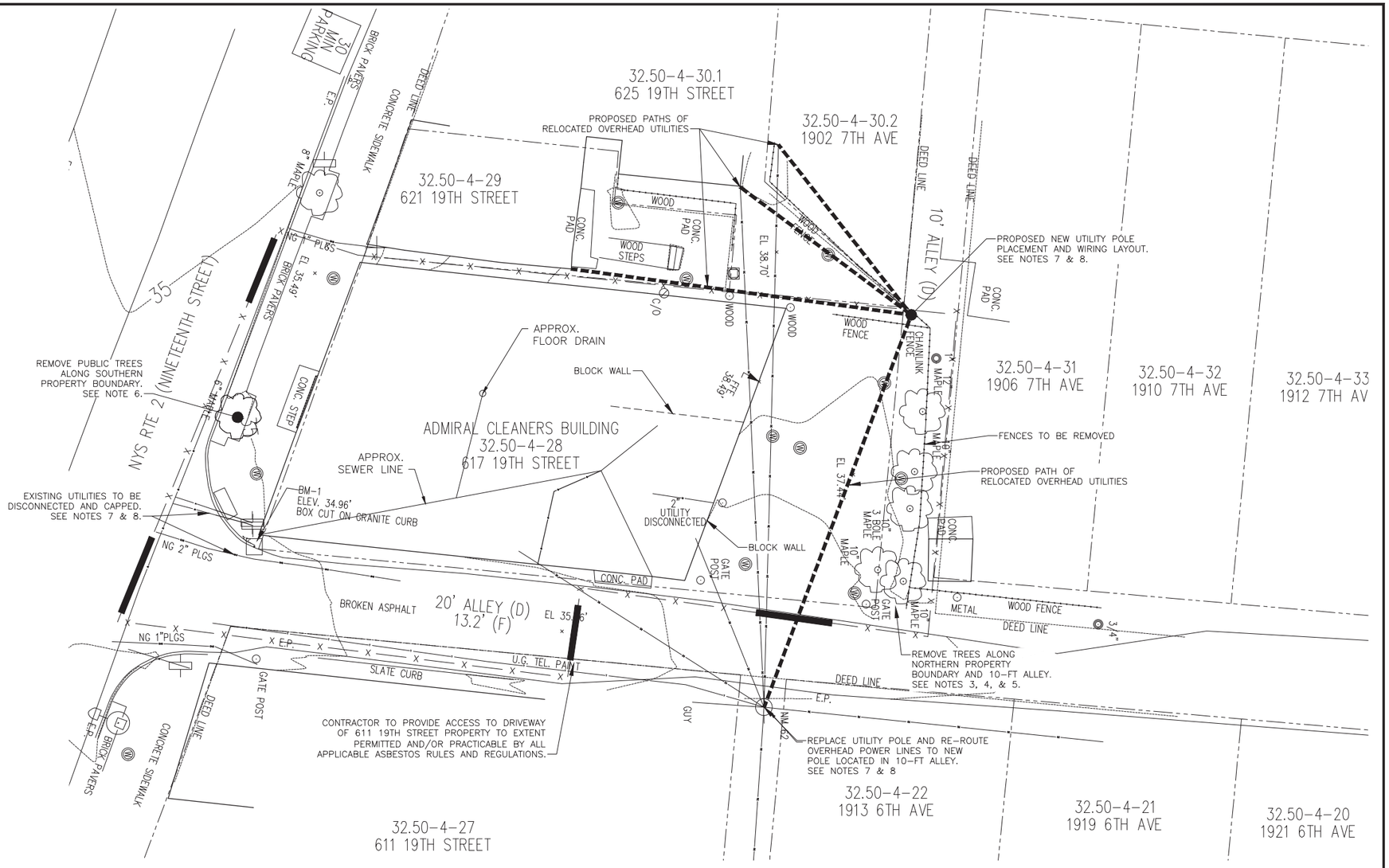
7. EXISTING UTILITIES AND STRUCTURES, INCLUDING BUT NOT LIMITED TO UNDERGROUND, SURFACE OR OVERHEAD ARE INDICATED ONLY TO THE EXTENT THAT SUCH INFORMATION WAS MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER IN PREPARING THE DRAWINGS. UTILITIES SHOWN HEREON ARE BASED ON VISIBLE EVIDENCE AND ROUGH TRANSCRIPTION OF INTERIOR UTILITIES BASED ON UTILITY MARK OUT PERFORMED DURING THE FIRST PHASE OF THE REMEDIAL INVESTIGATION. ALL UNDERGROUND UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. POWER, TELEPHONE, FIBER OPTIC CABLE, WATER, GAS AND SEWER SERVICE LINES MAY NOT BE INDICATED ON THESE DRAWINGS. OTHER UTILITIES AND ASSOCIATED UTILITY INFRASTRUCTURE MAY BE PRESENT. UNDERGROUND AND OVERHEAD UTILITIES ARE NOT SHOWN IN PROFILE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE LOCATION AND TERMINATION OF UTILITIES TO THE ADMIRAL CLEANERS BUILDING, AND FOR THE PROTECTION OF UTILITIES SERVICING SURROUNDING PROPERTIES TO REMAIN IN SERVICE.

8. THE CONTRACTOR IS TO DISCONNECT AND CAP ALL EXISTING UTILITIES AND SERVICE LINES AS SPECIFIED BY THE UTILITY COMPANIES OR CITY DEPARTMENTS HAVING JURISDICTION PRIOR TO DEMOLITION. THE CONTRACTOR SHALL PROVIDE CERTIFICATIONS TO THAT EFFECT BY THE UTILITY COMPANIES AND/OR CITY DEPARTMENT

   a. THE UTILITY POLE LOCATED TO THE EAST OF THE ADMIRAL CLEANERS BUILDING IN THE 20 FT. ALLEY SHALL BE REPLACED AND POWER LINES SHALL BE RE-ROUTED TO A NEW UTILITY POLE PLACED IN THE NORTH WEST CORNER OF THE SITE IN THE 10 FT ALLEY RUNNING WEST TO EAST NORTH OF THE PROPERTY LINE. RELOCATING PATH OF OVERHEAD UTILITIES WILL PROVIDE OVERHEAD CLEARANCE REQUISITE FOR DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL REQUIRED PERMITS AND APPROVALS FOR RELOCATION AND REROUTING OF THE OVERHEAD UTILITIES. ACTUAL LOCATION OF UTILITY POLE/OVERHEAD LINE RELOCATIONS TO BE DETERMINED BY CONTRACTOR AND PROVIDED IN THE DEMOLITION WORK PLAN.

   b. TEMPORARY WATER SERVICE WILL BE REQUIRED DURING DEMOLITION. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL REQUIRED PERMITS AND APPROVALS TO ESTABLISH TEMPORARY WATER SERVICE.

   c. SANITARY FACILITIES SHALL BE PROVIDED DURING DEMOLITION ACTIVITIES.



SITE PREPARATION PLAN

10 5 0 10 20
GRAPHIC SCALE IN FEET

N

LEGEND

- PROPOSED PATHS OF RELOCATED OVERHEAD UTILITIES
- CONCEPTUAL CONSTRUCTION FENCING SEE NOTE 2.
- CONCEPTUAL CONSTRUCTION GATE ACCESS LOCATION

Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY

NO.	DATE	DESCRIPTION
		REVISIONS

SITE PREPARATION PLAN

ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075
617 19TH STREET
WATERVLIET, NEW YORK

PREPARED BY:
EA ENGINEERING, P.C. AND ITS AFFILIATE EA SCIENCE AND TECHNOLOGY

CARRS#	
EA #	1490738
DESIGN #	
FILE	1490738Planset.dwg
DRAWN BY	DPA
DATE	APRIL 2019
SCALE	AS SHOWN
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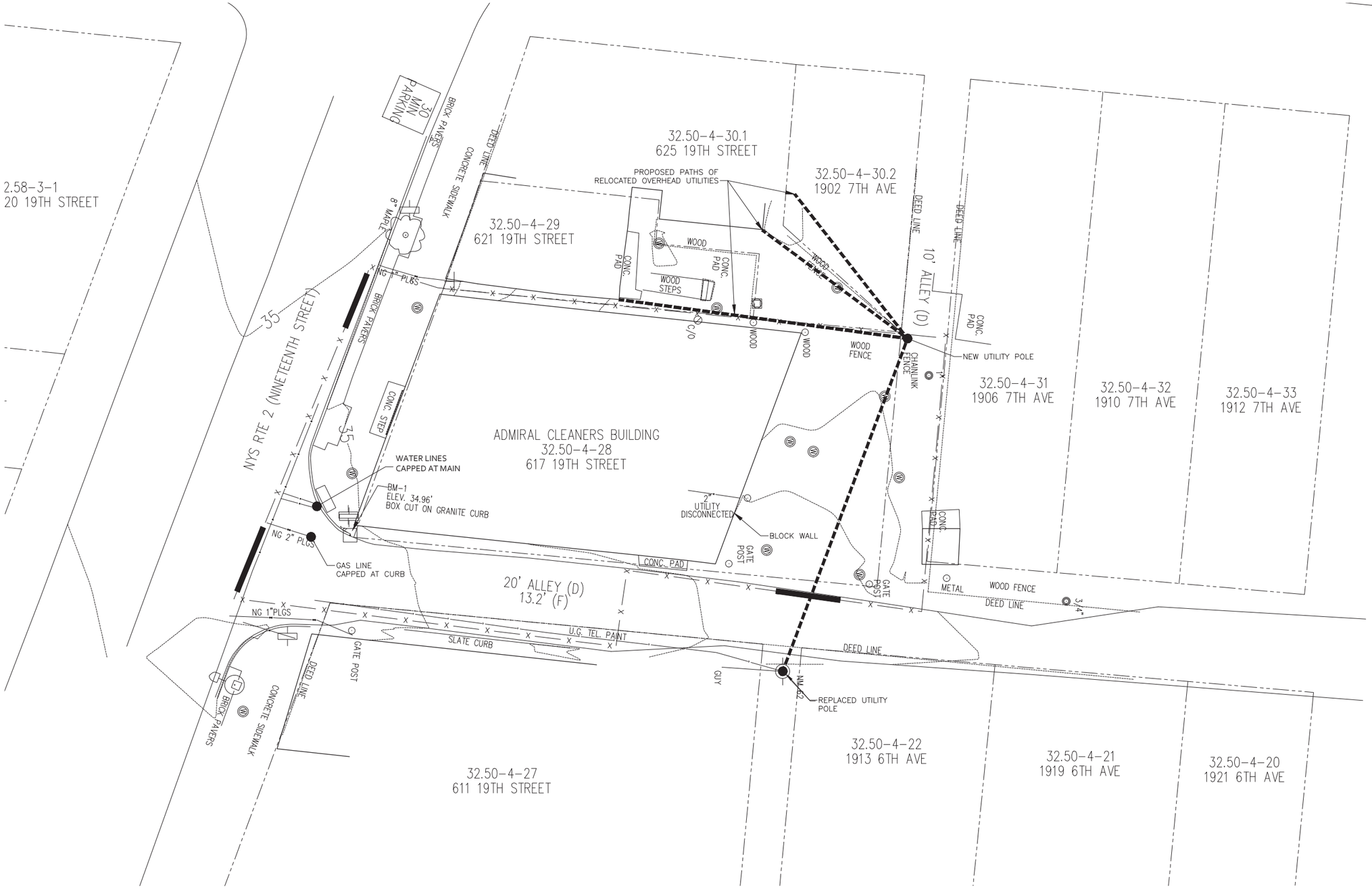
SHEET # 3



INTERIM CONDITIONS PLAN

10 5 0 10 20
GRAPHIC SCALE IN FEET

N

LEGEND

- PROPOSED PATHS OF RELOCATED OVERHEAD UTILITIES
- —— x —— CONCEPTUAL CONSTRUCTION FENCING SEE NOTE 2.
- CONCEPTUAL CONSTRUCTION GATE ACCESS LOCATION

Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY

NO.	DATE	DESCRIPTION
		REVISIONS

INTERIM CONDITIONS PLAN

ADMIRAL CLEANERS SITE
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617 19TH STREET
WATERVLIET, NEW YORK

PREPARED BY:
EA ENGINEERING, P.C.
AND ITS AFFILIATE
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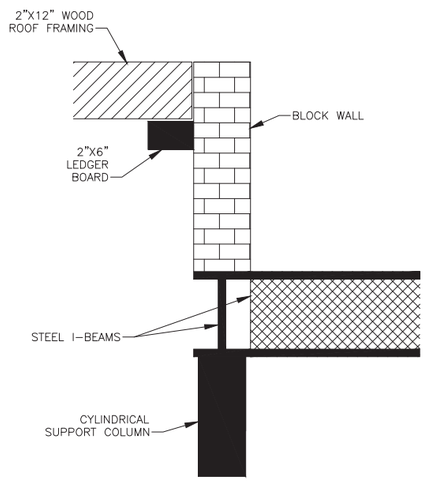
SS	

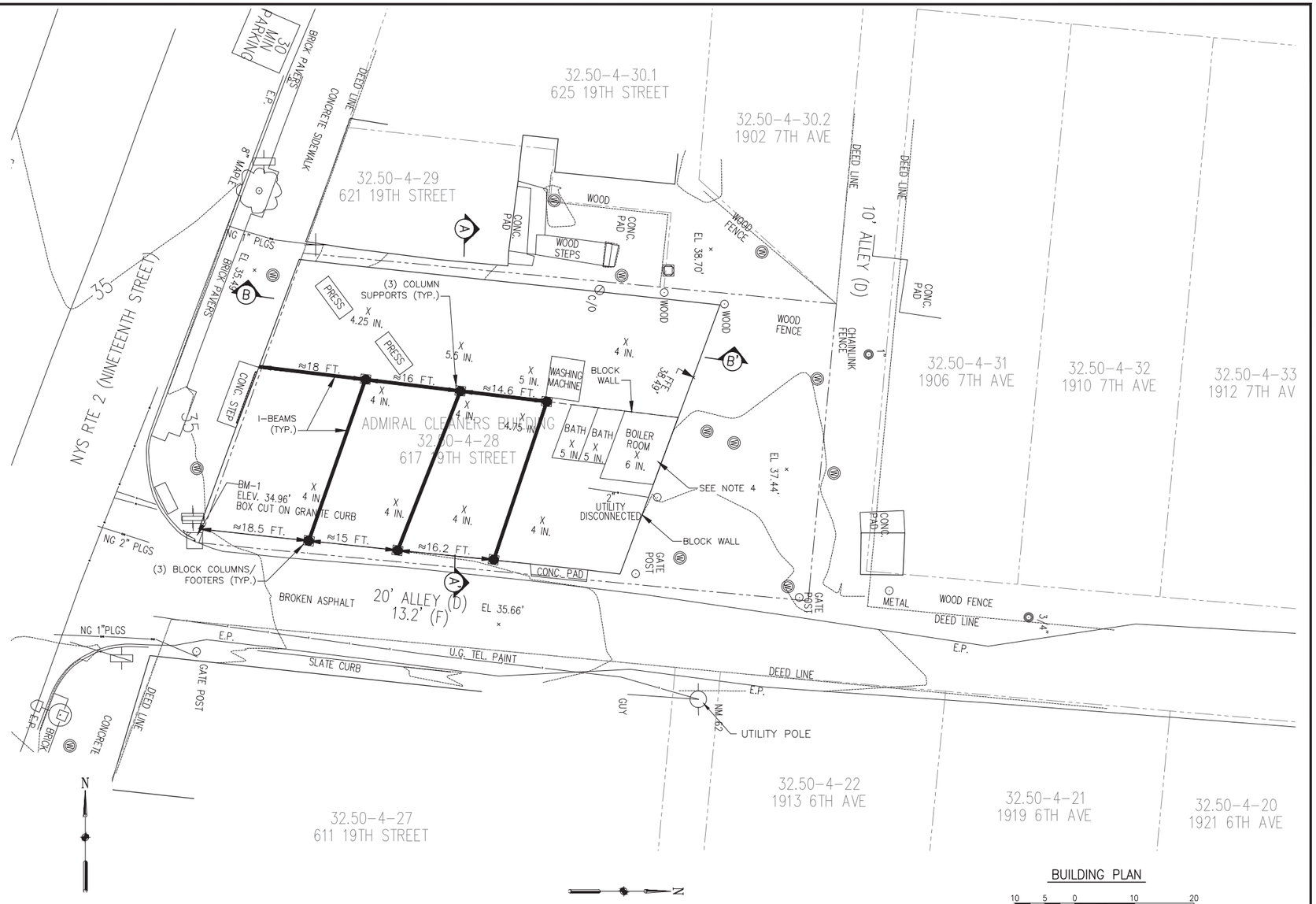
SHEET # 4

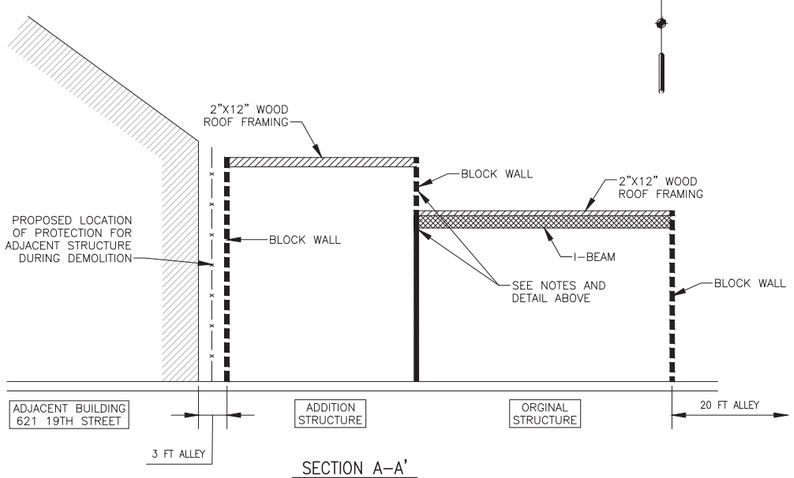
STRUCTURAL CONDITION NOTES

1. SECTION VIEWS OF THE ADMIRAL CLEANERS BUILDING ARE APPROXIMATE.
2. CONTRACTOR SHALL REVIEW THE STRUCTURAL CONDITION ASSESSMENT PREPARED BY RUSS REEVES, PE. THE ASSESSMENT IS PROVIDED IN APPENDIX C OF THE INTERIM REMEDIAL MEASURE NO. 1 SCOPE OF WORK – BUILDING DEMOLITION.
3. ECCENTRIC COLUMN LOADING MAY BEHAVE UNPREDICTABLY.
4. THE BOILER ROOM, LOCATED ALONG THE NORTH WALL OF THE BUILDING, HAS A SLAB DEPRESSED APPROXIMATELY 15–INCHES BELOW GRADE. THE FOOTPRINT OF THE BOILER ROOM WILL BE BACKFILLED WITH GRAVEL TO GRADE.



BUILDING CONSTRUCTION JOINT DETAIL
NOT TO SCALE





SECTION A–A'
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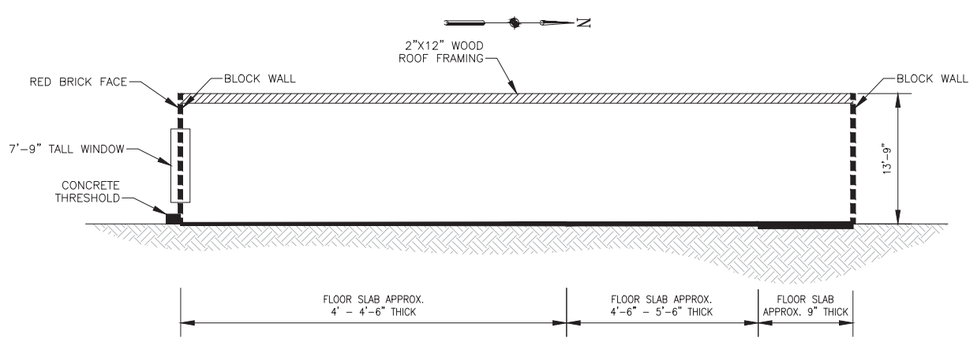
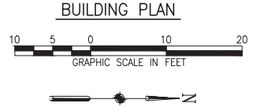


SECTION B–B'
NOT TO SCALE

BUILDING PLAN



Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY

NO.	DATE	DESCRIPTION
		REVISIONS

BUILDING PLAN & SECTION VIEWS

ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075
617 19TH STREET
WATERVLIET, NEW YORK

PREPARED BY:
EA ENGINEERING, P.C.
AND ITS AFFILIATE
EA SCIENCE AND TECHNOLOGY

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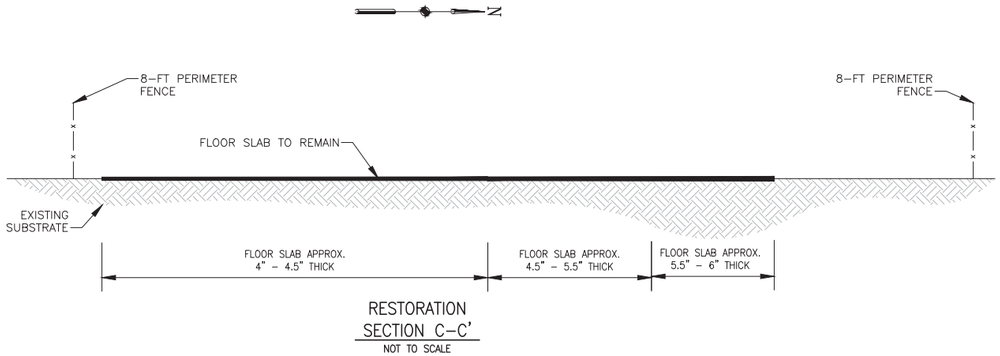
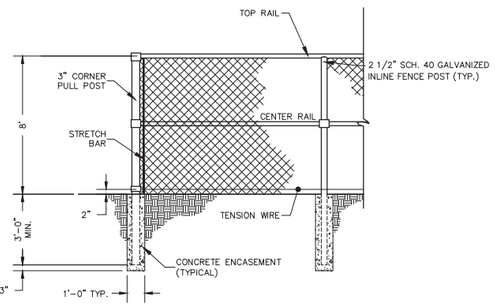
SHEET # 5



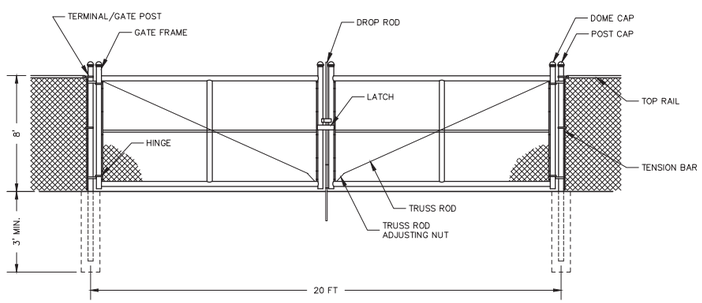
RESTORATION SECTION C–C'

NOT TO SCALE



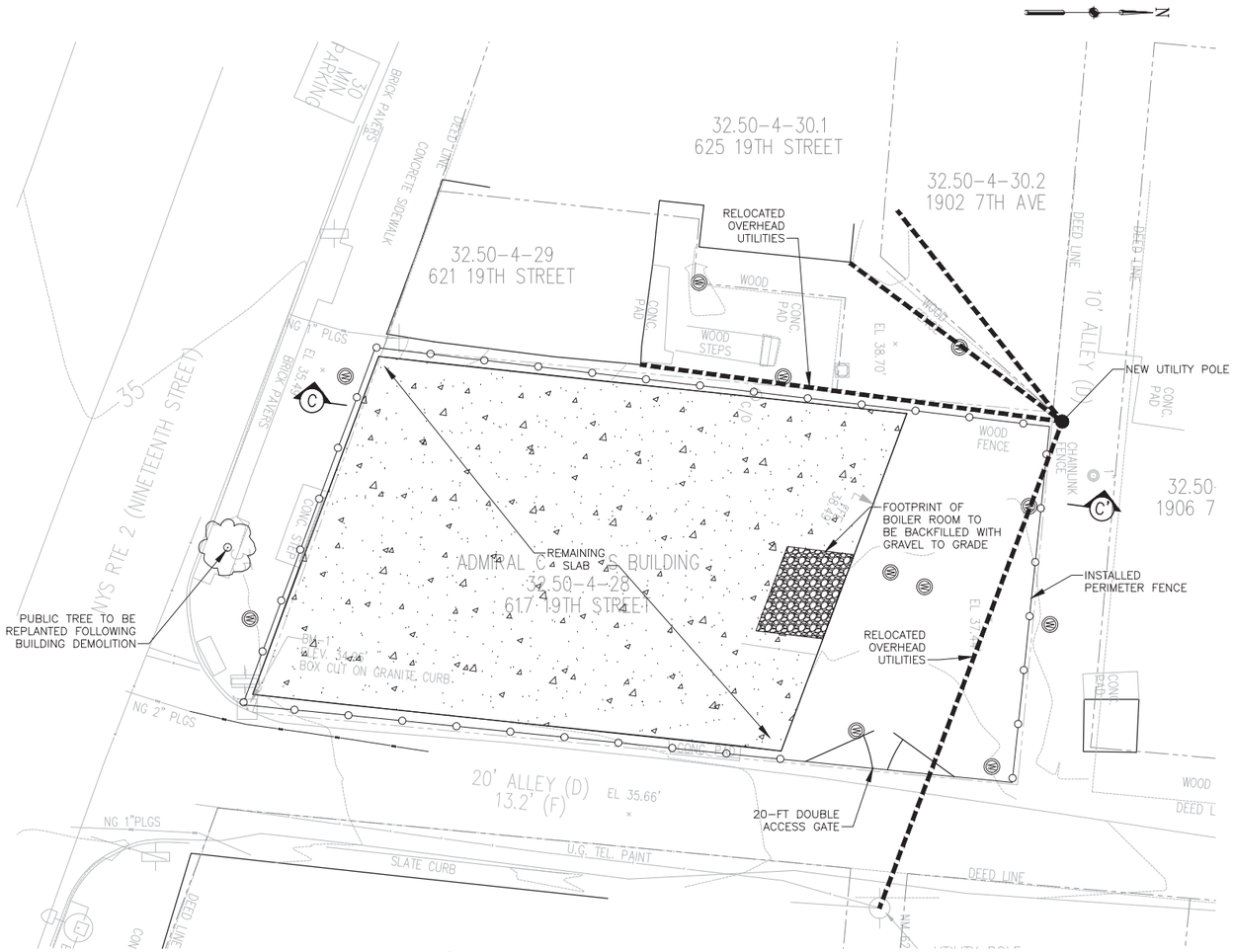
8 FT PERIMETER FENCE DETAIL

NOT TO SCALE



20 FT DOUBLE SWING GATE DETAIL

NOT TO SCALE



LEGEND

- CONCRETE SLAB TO REMAIN
- PERIMETER FENCE
- PATH OF NEW OVERHEAD UTILITIES
- GRAVEL BACKFILL

RESTORATION BUILDING PLAN

10 5 0 10 20

GRAPHIC SCALE IN FEET

SITE RESTORATION NOTES

1. BUILDING SLAB TO REMAIN IN PLACE FOLLOWING BUILDING DEMOLITION.
2. CONTRACTOR TO BACKFILL BOILER ROOM WITH GRAVEL TO GRADE.

Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY

NO.	DATE	DESCRIPTION
		REVISIONS

SITE RESTORATION DETAILS

ADMIRAL CLEANERS SITE
NYS REGISTRY NO. 401075
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PREPARED BY:
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SCALE	AS SHOWN
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SHEET # 6

Appendix C

Emergency Structural Condition Assessment

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RUSS REEVES, CEng., P.E.
CIVIL-STRUCTURAL ENGINEERS
P.O. Box 1433
Troy, New York 12181-1433
Tel: 518-273-0774
e-mail; rreeves2@nycap.rr.com

December 8th , 2018

Jeremy Smith
General City Manager
jsmith@watervliet.com
Watervliet City Hall
2 Fifteenth Street
Watervliet, New York 12185

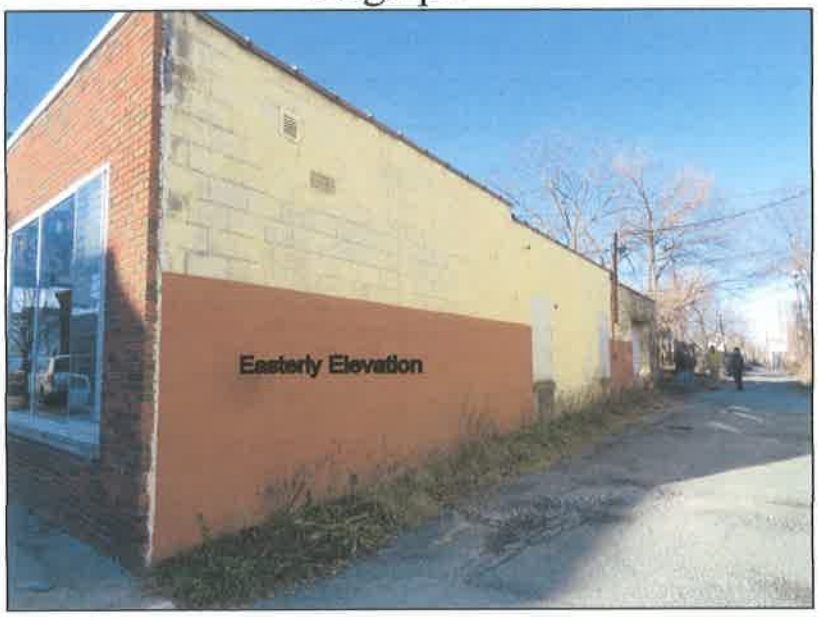
Re: Emergency Structural Condition Assessment 617 Nineteenth Street (the former Admiral Cleaners), Watervliet, New York

Dear Jeremy:

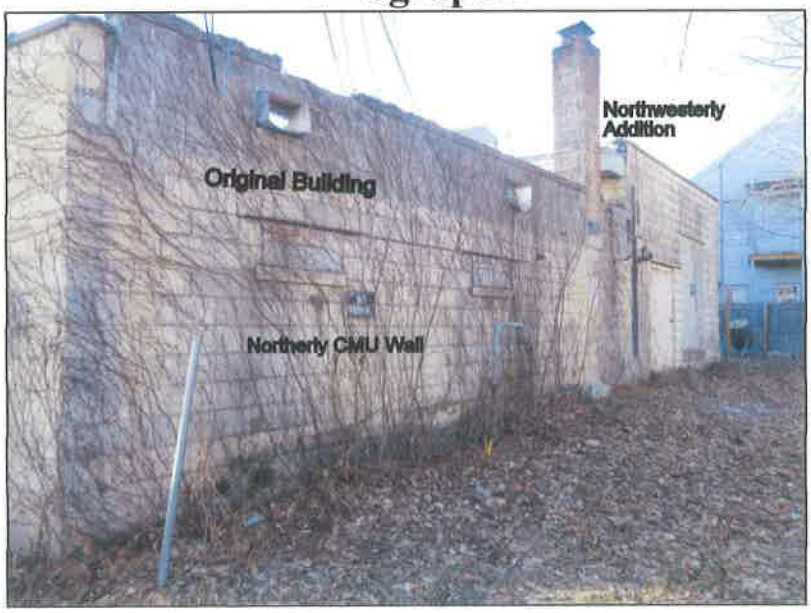
On December 7th , 2018 at approximately 1:40 pm Engineering Technician Barbara Tozzi and I arrived at 617 19th Street where we met with you, Code Enforcement Officer Paul Laboissiere and NYS DEC representatives including DEC project manager Joshua Haugh. The purpose of this site visit was to evaluate the interior and exterior portions of the structure as it relates to public safety.

Photograph 1

Photograph 1 shows the front Southerly elevation view of the building as seen from 19th Street. The building consists of the original structure which includes the entrance door and large window section as seen in Photograph 1. A later addition was constructed on the West side of the original building so as to provide for additional clear span open space. The addition can be seen in Photograph 1 to the left of the sign.



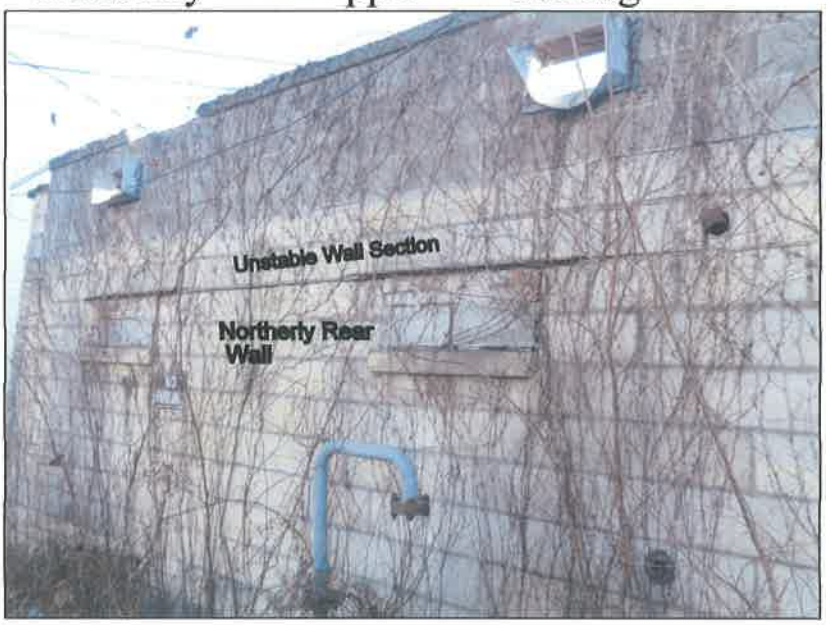
Photograph 2



Photograph 3

Photographs 2 and 3 show the Easterly and Northerly elevation views respectively. There are numerous roof penetrations where water damage

is present. The roof underlayment and roof joists exhibit significant deterioration and rotting specifically along the Northeasterly and Northwesterly quadrants of the building. There is a transverse fracture crack that extends nearly the entire length of the Northeasterly wall section of the original building. This is more specifically shown in Photographs 3 and 4. This is the direct result of failing roof joists exerting eccentric loads on the rear CMU bearing wall and causing a rotational mode of failure in this upper wall section. This has produced a condition of instability in the upper rear bearing wall.

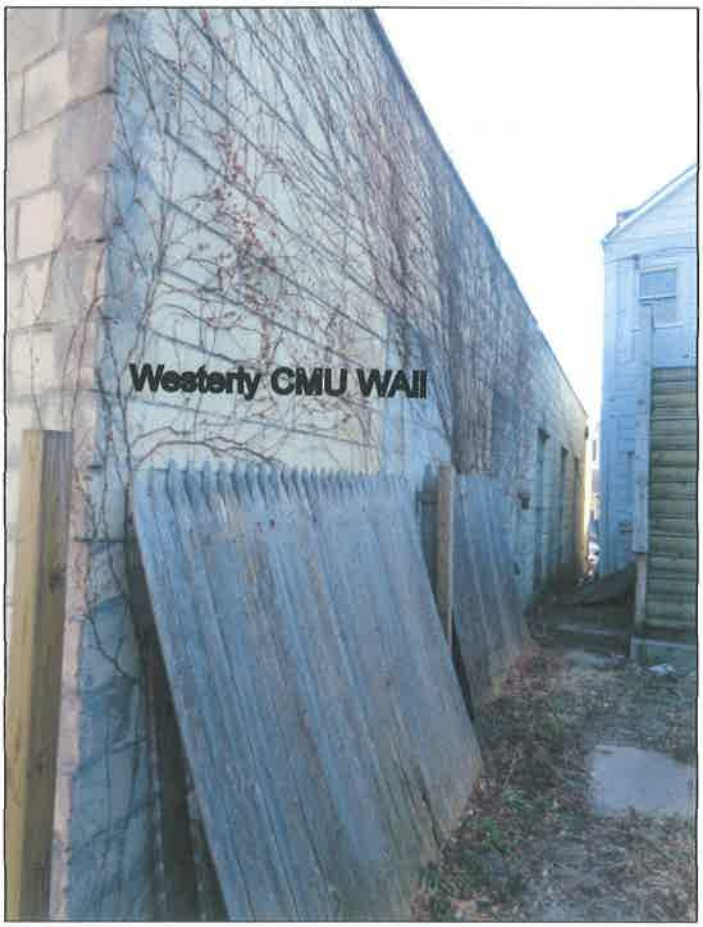


Photograph4

It shall be noted that various portions of the building have been subjected to extensive water damage and deterioration for a number of years. Unbalanced snow loads result in a mal-distribution of loads which cause unstable eccentric loading to the roof system and main beam support systems in the skeletal framing of the roof. This creates significant structural deficiencies associated with this structure. A localized collapse of the upper portion of the Northeasterly bearing wall as depicted in Photographs 3 and 4 is considered imminent at this time.

The original building consists of a front, rear and Easterly exterior concrete block bearing walls (a three sided structure). Intermediate steel bearing beams span in an East / West direction. Roof joists span in a

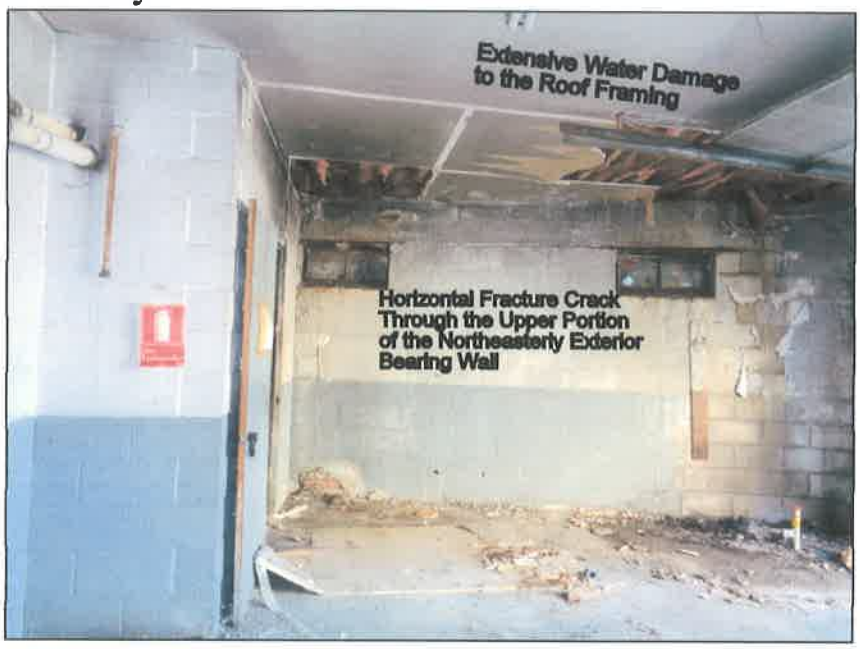
North / South direction and are in varying states of deterioration due to the aforementioned water damage. Portions of the roof structure are highly unstable. This specifically occurs along the Northwesterly and Northeasterly quadrants of the building. Any manipulation of the structure in these areas will result in a partial collapse of the roof structure and rear wall. This structure is considered a hazard to public safety. A localized collapse of portions of the roof structure under the dead load of the roof framing are also considered imminent at this time.



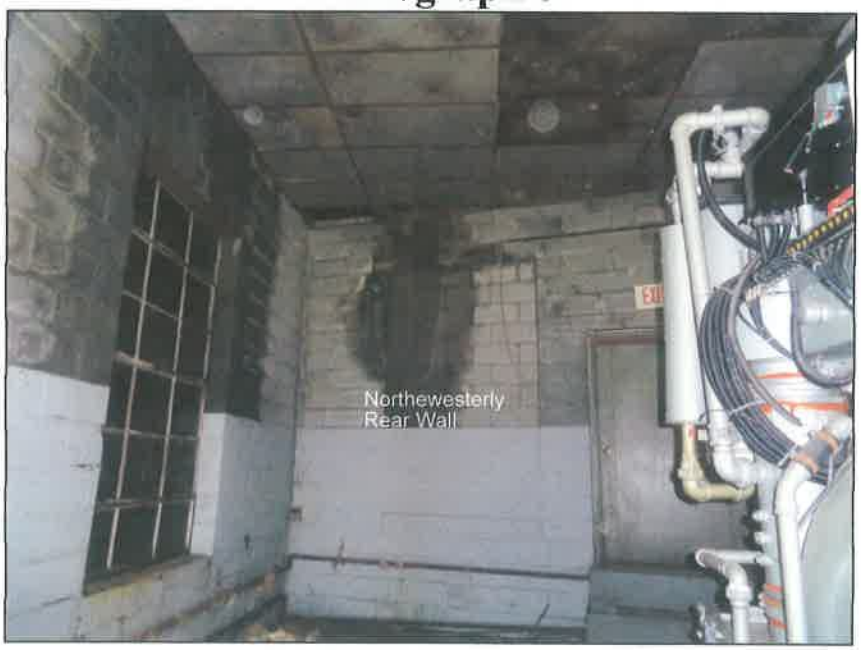
Photograph 5

Photograph 5 shows the Westerly elevation view of the exterior concrete block bearing wall. The Westerly addition contains timber roof framing members that span in an East / West direction, 90 degrees to that of the original structure roof framing. There are substantial roof leaks in the addition. Water is saturating portions of the Northwesterly rear CMU block wall and Northwesterly side wall as shown in Photograph 7. Over

the years successive freeze / thaw cycles are deteriorating the masonry block wall assembly.



Photograph 6



Photograph 7

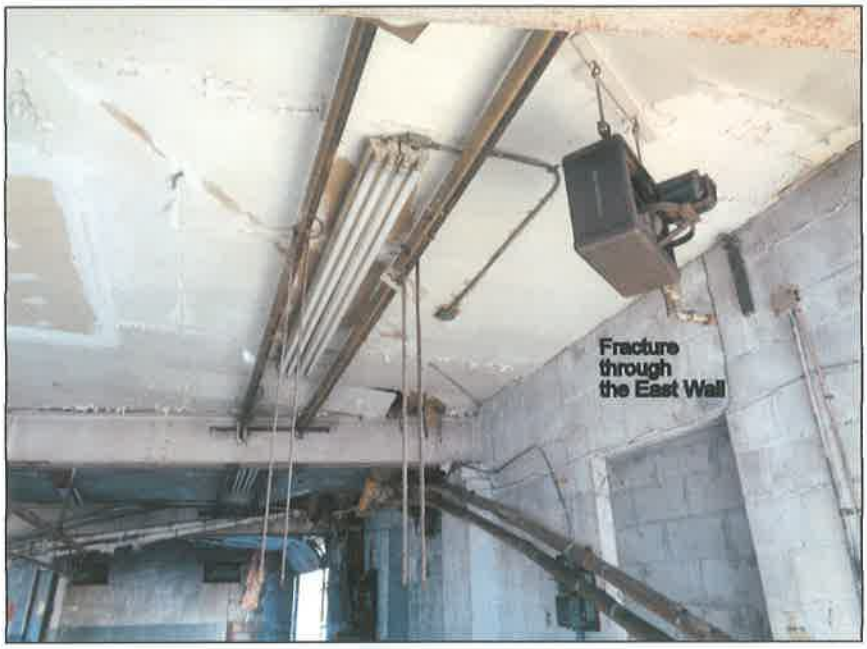
The entire Northwesterly rear wall is separating from the adjacent bearing wall of the original building. There is no mechanical attachment of the rear Northwesterly CMU wall into the adjacent block bearing wall thus making a highly unstable condition. Daylight can be seen on the

interior portion of the building at this joint interface. The Northwesterly rear wall is highly unstable.

Photograph 8

Photograph 6 shows a typical view of the Northeasterly rear bearing wall. The upper portion of this rear wall is in rotational failure as we indicate earlier in this report. There is extensive water damage and deterioration to the roof framing members.

It shall be noted that there are lag screws connecting heavy mechanical equipment and assorted piping into water saturated and deteriorated roof joist members. Because of the deteriorated nature of the roof framing, some of the mechanical attachments are failing in a pull-out mode of failure thus creating an overhead hazard for falling mechanical framing and devices. Please refer to Photograph 8 for a typical view of the condition of some of the piping and mechanical tracks and devices that we found in these areas. It shall be further noted that any manipulation on the ceiling area could result in failure in the lag screw assembly of the supporting steel tracks, mechanical devices and clevis hangers that are screwed into the roof framing. Overall we find that there is a substantial hazard within the interior of the building for the failure of overhead devices that are secured into the deteriorated roof structure.



Photograph 9

Photograph 10

Photograph 9 was taken on the Easterly side of the original building. There is a vertical fracture crack through the East wall as can be seen in the photograph. This was due to improper reinforcing within this wall section and improper reinforcing of a lintel over a former opening which is also depicted in this photo. We are bringing this to your attention because the entire fracture lies over an unsupported edge of this former

window or door opening. Also shown in the photograph are improperly supported and failing piping and mechanical tracks that are pulling away from wall and roof framing members. Any personnel that are accessing the interior of the structure shall be mindful of these equipment fall hazards as well as the collapse hazards of the roof framing and rear wall assemblies.

Photograph 10 shows a typical view of the roof framing members along the Westerly side of the building. Roof joists are not framed into and bearing on the exterior Westerly concrete block wall. The roof framing members bear on a 2" x 6" leger with 1 ½" end bearing only as depicted in Photograph 10. This is inadequate and structurally deficient for this application. All legers used for structural applications of this type require an epoxy bolted threaded rod either ½" or 5/8" in diameter or if the masonry is reinforced with concrete placed in the interior cores, where expansive concrete bolt anchors can be used for this application. Instead, we find that powder actuated concrete nails were used in this instance which are not appropriate or sufficient to safely support the live and dead loads associated with this roof structure. With the impending snow, this will be problematic for a localized joist bearing failure which will be compounded by the deteriorated roof joist system.

Photograph 11

Photograph 12

In order to obtain clear span openings between the original building and the addition, large wide flange steel beams were inserted to support the upper masonry wall sections of the original structure as shown in Photographs 11 and 12. These are heavy loads imposed on the beam sections, columns and connections. In addition to the weight of the upper concrete block bearing wall, roof framing members from the Westerly addition are supported by this steel beam and column assembly. During the course of our evaluation, we noted that some of the beam and column connections were improperly made and are highly structurally deficient. Eccentric loads have been placed on columns and improper beam shims have been installed as depicted in Photograph 12. These structural deficiencies that we have encountered are a concern because if a localized collapse of roof framing members occurred, this will induce lateral loads and a thrusting action against this masonry wall assembly which is shown in Photograph 11 and will result in a roll-over effect in the beams which are shown in Photograph 12 thus destabilizing the column support assembly. This collapse mechanism is a high hazard condition.

Only authorized personnel are permitted to enter the building and on a strictly limited basis only due to the aforementioned hazardous conditions that we have encountered.

It shall be noted that a partial collapse of the upper rear half of the Northeasterly CMU block bearing wall and the Northwesterly CMU bearing wall building is considered imminent at this time. The adjacent house to the West is occupied. A partial collapse of the Northerly portion of the roof is also considered imminent at this time. This collapse event will induce a destabilization and partial collapse of the beam and column supported block wall assembly that is located between the original building and the addition.

The present condition of the building is considered a hazard to public safety and shall be removed as soon as practicable under the City of Watervliet's Emergency Condemnation Procedures.

Only a qualified, fully insured contractor shall be selected for this purpose. The contractor is wholly responsible for workers' safety, DOL and OSHA compliance. Access of unauthorized personnel is prohibited due to the hazard classification. Prior to any demolition procedures, all utilities with confirmation shall be terminated at the curb line (water/ sewer), at the power pole (electrical service) and in the street (gas)

If you have any questions please do not hesitate to call.

Very truly yours,

Russ Reeves PE

R. Russell Reeves, CEng., P.E.

cc: Barb Tozzi, Engineering Technician
btozzi3@gmail.com
Reeves Engineering

Joshua Haugh
Engineering Geologist 2 Region 4
Joshua.haugh@dec.ny.gov

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Appendix D

Project Responsibilities for Admiral Cleaners Site Interim Remedial Measure

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau E
625 Broadway, 12th Floor, Albany, NY 12233-7017
P: (518) 402-9813 I F: (518) 402-9819
www.dec.ny.gov

MEMORANDUM

TO: Richard Mustico, Regional Hazardous Waste Remediation Engineer, Region 4

FROM: David Harrington, Chief, Remedial Section A, Remedial Bureau E

SUBJECT: Project Responsibilities for Admiral Cleaners Site
Interim Remedial Measure, Site No. 401075

DATE: January 16, 2019

The New York State Department of Environmental Conservation (DEC) in consultation with the New York State Department of Health (DOH) will be conducting an interim remedial measure (IRM) involving the demolition and offsite disposal of the former Admiral Dry Cleaners building in the City of Watervliet, Albany County beginning in Spring 2019. The IRM for the Site consists of building demolition which has been identified by the Department's Division of Environmental Remediation (DER) as necessary for the protection of public health and the environment. Building demolition has been determined necessary to complete the remedial investigation and to eliminate a continued potential source of contaminant release, transport, and exposure to the public and environment in the vicinity of the Site. The protection of public health extends not only to the chemical contamination, but also to the potential physical hazards represented by the current condition of the former Admiral Cleaners building.

This memorandum outlines the general responsibilities for managing the upcoming subject project anticipated to commence in Spring 2019.

Designated Representative	David Harrington - Acts as the DEC's designated representative during the IRM. Responsible for resolving all disputes involving remedial construction activities that may arise between the Engineer, Contractor and the Project Manager.
Project Manager	David Chiusano - Responsible for administration of the IRM work required. Also, the Project Manager is responsible for the coordination with the Engineer and Inspector. Receives and reviews daily and monthly reports (verbal and written) from Inspector. Communicates and coordinates DEC and DOH concerns and reviews. Responsible for coordinating review of design changes with Region 4 staff. Is responsible for assuring project is proceeding

	satisfactorily per the approved project plans. Responsible for resolving problems with input from appropriate reviewers and assistance from Designated Representative as appropriate. The Regional Hazardous Waste Engineer and DEC Field Representative will be advised of project schedule, all sensitive project issues and any public concerns. Responsible for coordination of Citizen Participation (CP) activities with input and assistance from DEC Field Representative and Regional CP Specialist.
Engineer	EA Engineering, P.C. (EA) - Standby Engineering Consultant will be responsible for providing construction management and engineering services during the IRM. Reports directly to the Project Manager. The duties and responsibilities and limitations of authority of the Engineer during construction are set forth in their Standby Contract Work Assignment No. D007624-38.
Inspector	EA - Responsible for providing full-time inspection services. The duties and responsibilities and limitations of authority of the Inspector during construction are set forth in the Standby Contract Work Assignment No. D007624-38.
DEC Field Rep.	Joshua Haugh - At the Regional Hazardous Waste Engineer's direction, regional staff may assist EA with inspection of the remedial work, attend bi-weekly progress meetings along with Project Manager, Engineer, Inspector and Contractor.
Contractor	Precision Environmental Services (PES) - Selected by the DEC and responsible to implement the IRM under the terms of their standby contract C100614.
Concept	DEC is responsible for remediation at the Admiral Cleaners site utilizing State superfund monies. IRM construction activities will be performed by PES. The Project Manager, Engineer, and Inspector will verify that their activities comply with the approved plans and specifications. The Engineer is expected to identify any deviations from the approved plans and specifications, as well as, any deficiencies in the work or workmanship which could diminish the effectiveness of the IRM. As part of these responsibilities, the Engineer shall check that all materials and equipment incorporated into the work are as specified and that all test results are within the specified limits. The DEC Field Representative (PFR) may be requested by the Project Manager to be present during critical portions of construction and for any public interaction. Furthermore, the PFR should identify to the Project Manager any concerns regarding the Inspector's performance in providing construction inspection services.

A more detailed outline of duties and responsibilities has been attached. If you have any questions, please call me at (518) 402-9813 or David.Harrington@dec.ny.gov.

Attachment

ec: M. Cruden, Director, RBE, DER
G. Burke, Director, RBB, DER
K. Kulow, NYSDOH
D. Conan/C. Schroer, EA
D. Harrington, DER
K. Goertz/V. Schmitt/R. Mustico/J. Haugh, NYSDEC-Region 4
D. Chiusano, DER

ADMIRAL CLEANERS SITE 401075
BUILDING DEMOLITION IRM
DUTIES AND RESPONSIBILITIES

See Recommended Standards for the Responsibility, and Behavior of the Inspector (attached). The following are specific instructions for the Admiral Cleaners site remediation and supersede the Recommended Standards if there is a conflict.

1. Project Manager/Engineer is responsible for decisions on acceptability of the work based on information and recommendations provided by the Inspector.

2. The Project Manager shall review measurements for payment made by Engineer and Inspector. Inspector must complete review of Contractor's Application for Payment within five (5) days of receipt. The Project Manager will provide guidance and assistance, as necessary.

3. Daily Inspection Reports are to be completed by Engineer/Inspector. Inspector shall submit daily reports in electronic format at the end of each day to Project Manager, DEC Field Representative, and Regional Engineer. In addition, the following should be included:

    a. Report on issues concerning Contractor's compliance with the Health and Safety Plan as they would impact DEC personnel and the community.

    b. Details of all actions by and conversations with public, news media and representatives. Resolution/decisions on field problems. Department is responsible for public interaction. All public interaction is to be coordinated with the CP Specialist.

    c. Report Contractor's performance.

4. Engineer will contact Project Manager as necessary to discuss progress and happenings on the contract. Final decisions on construction contract issues will be made by Project Manager.

5. Inspector will issue field orders only after approval by Engineer and Project Manager. Field orders can only be used on issues that do not involve cost or time.

6. Project Manager and Inspector shall coordinate health concerns raised by the public with the New York State Department of Health (DOH). Project Manager shall provide DOH representatives with project updates on a regular basis.

7. Project Manager/Engineer and Inspector shall attend job meetings. Project Engineer will chair job meetings and will prepare minutes for distribution to attendees (and to DOH representative).

9. Inspector will be providing full-time inspection of construction at the site. The Inspector shall conduct: (1) an inspection upon substantial completion; and (2) final inspection upon project completion. Substantial completion and final inspections shall be coordinated with the Project Manager and DEC Field Representative.

10. Inspector shall give particular attention to PES's performance with regards to:

    a. Prevention of off-site migration of any solid wastes moved from point to point.

    b. Continuous vibration monitoring, dust monitoring, odor suppression, dust suppression techniques and the generation of visible dust.

    c. Visible tracking of soil or water on streets and the precautions taken to prevent such occurrence. Removal of spilled materials from transit roads.

    d. Repair of visible oil or hydraulic fluid leaks on equipment and machinery used at the site.

    e. Real time and documentation monitoring (health and safety).

11. In addition to the above, the Inspector shall give particular attention to the following aspects of the work:

    a. Building demolition (building contains ACM). Contaminated building debris removal, on-site staging and off-site disposal of non-hazardous material.

    b. Vibration monitoring, inspection, and protection of adjacent building structures.

    c. Surface water handling, treatment, sampling, and disposal.

    d. Contractor disruption of school bus traffic and local businesses.

12. Inspector will keep Project Manager and DEC Field Representative informed of present and upcoming operations on an as needed basis.

13. Project Manager will coordinate internal DEC reviews (e.g., Region 4 office).

14. Project Manager, Engineer, DEC Project Field Representative, and Inspector will attend preconstruction conference. Engineer will prepare and distribute meeting minutes.

15. The Project Manager, Engineer, DEC Project Field Representative, and Inspector shall review all Contractor submittals for compliance with project plans and design concept. This shall include review of shop drawings, materials, soil test, construction tests, progress payment requests, and any other documents generated by NV in connection with this project. Inspector shall provide comments to Project Manager/Engineer who will approve submittals. Shop drawing/submittal review must be completed within 14 days.

16. The Inspector will maintain complete and detailed records related to construction activities, including:

    a. Work completed and important conversations.

    b. Daily inspections reports.

    c. Records documenting Contractor's deviation from work as specified in the Contract Documents with actions and resolutions.

    d. Marked up drawings to be used to verify the accuracy and completeness of Contractor's record drawings.

    e. Record progress in reference to approved schedule.

    f. Construction photos.

    g. Log of proposed and executed change orders, field orders, contractor application for payments and shop drawing submittals.

    h. General files including correspondence, manifests, bills of lading, contractor's logs, submittals, field orders, change orders and job meeting minutes.

    i. Maintain summary records (logs) of date, location, sample ID, type, result and action for sampling results and air monitoring results.

    j. Maintain summary records (logs) of date, manifest number/bills of lading number, description, transporter, disposal facility and quantities for off-site disposal (as appropriate).

17. Inspector will prepare field orders for review and approval by Project Manager/Engineer prior to issuance. Proposed change orders and change orders will be prepared by Project Engineer/Manager.

18. Engineer will prepare a Construction Completion Report. The report will reflect all variations from the project plans, characterization sampling and results, as-builts and recommendations of future work at the site. The Engineer shall certify that the contract was completed in accordance with the Contract Documents. The report shall be drafted for review within 30 days of substantial completion.

CONSTRUCTION MANAGEMENT

1. Shop Drawing/Submittal Log

   Information regarding shop drawings/submittals required by specifications, dates submitted, dates returned, status of review and number of reviews should be readily available.

   Missing approvals are to be a major point of discussion at project meetings.

2. Schedule

   Engineer should track dates submitted, dates returned and status of review. No payment without approved schedule.

   Major point of discussion at every project meeting. After approval, discussion should center on Contractor's progress with respect to the approved schedule and corrective actions necessary or proposed to make up lost time. Agreements regarding time extensions should be incorporated into a revised schedule.

3. Overruns/Underruns

   Spreadsheet should be utilized to keep up-to-date track of contract quantities, need for change orders, payments, estimates to completion and agreed to extras.

4. Subcontractors

   Require Contractor to keep up-to-date list consisting of name, address, telephone, contact, type of work, dollar amount, M/WBE status and UCQ submission.

5. Reference Materials

   Necessary documents such as Part 360, Part 371, Part 375, DER-10, 12 NYCRR Part 56, Contract Documents and others as applicable should be in the field office (or readily accessible via the Engineer's home office). A complete set of the Contract Documents (including modifications) must be maintained at the field office.

Industry accepted pricing guides such as Means Construction Cost Data and Blue Book Rental Rates should be readily available to the Engineer.

6. Health and Safety

Information regarding real time and documentation air monitoring consisting of date, time, analytical results, sample collection points, wind direction (and other pertinent meteorological data), applicable standards and engineering controls implemented should be readily available. A log of violations to the HASP and an appropriate credit should be maintained by the Engineer.

7. Confirmatory and Documentation Sampling

Information regarding date, location, depth, result, applicable cleanup goal, chain of custody and decisions regarding stop/continue excavation should be readily available.

8. Waste Streams

Information regarding date, quantities, type, facility, transporter, manifest and other pertinent data should be readily available.

9. Photo Log

Information regarding photo number, date, location and description should be readily available.

10. NYS Hazardous Waste Regulations

Ensure Contractor confirms in writing that designated TSDF has authority and capacity.

Ensure Contractor confirms in writing that transporter is authorized (permitted).

Contractor must comply with storage requirements of 372, including labeling of drums and maximum time limits.

Meeting Minutes

Engineer needs to ensure that the minutes adequately document the issues raised and any resolution agreed to by PES. Sufficient detail needs to be presented to hold NV to their word. As the preparer of the meeting minutes, the Engineer has substantial control over the content and tone. By taking a strong stance it places the responsibility on PES to object to the content of the minutes at the next meeting. In future disputes down the line the meeting minutes should form a record which benefits the Department and weakens NV's position.

Conclusion

The purpose of this document is only to emphasize areas which have not received enough attention on past projects. In general, the Engineer should ensure that their project management and field personnel are thoroughly familiar with the requirements of their standby engineering contract.

* END *

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Appendix B

Daily Observation Reports

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Report No. 1 **Admiral Cleaners - NYSDEC Site No. 401075** Date: 5/4/2020

NYSDEC Division of Environmental Remediation	**EA Engineering, P.C.** 269 W Jefferson St Syracuse, New York 13202	**EA WA No. D009806-04** PES Superintendent: Karl Earl NYSDEC PMs: Josh Haugh & David Chiusano EA PM: Chris Schroer EA Site Inspector: Mike Wright

Site Location: Watervliet, New York

Weather Conditions

General Description	Overcast	AM	Overcast	PM
Temperature	59	AM	55	PM
Wind	West 5 mph	AM	West 5 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No x	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No x	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No x	NA

Health & Safety Comments

See COVID related checklist at end of report.

Summary of Work Performed	Arrived at site:	0930	Departed Site:	1530

Jackson began prepping the inside of the building for demolition by removing the ceiling, installing a support wall and shoring inside the building near the west wall, and covering a window on Mr. Gagliardi's home that is within 25ft of the work site. PES set-up and ran DustTrak environmental air monitors upwind and downwind of the site through out the day. Alpine ran asbestos monitors around the exterior of the building throughout the day. EA took baseline plumbness measurements at the adjacent building to monitor its structural integrity during demolition.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No x	NA
Were there any vehicles which were not tarped?	* Yes	No x	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No x	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Brian Neumann	PES	Project Manager	8.5
Karl Earl	PES	Site Superintendent	8.5
Jack Deffler	Jackson	Superintendent	8.5
Arnold Drouin	Jackson	Operator	8.5
Nick Drouin	Jackson	Laborer	8.5
Gerard Pender	Jackson	Laborer	8.5
Paul R	Jackson	Foreman	8.5
Gered Burns	Alpine	Asbestos Monitor	8.5

Equipment Description	Contractor/Vendor	Quantity	Used
CAT 325F Excavator	Jackson	1	No
DustTrak Environmental Air Monitor	PES	2	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Tonnage estimated per truck for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mike Wright	EA
Kris Keenan	DEC

Project Schedule Comments
Jackson believes demolition could be completed as early as end of this week (5/8/2020)
Issues Pending
None
Interaction with Public, Property Owners, Media, etc.
Owner of 621 19th Street (Anthony Gagliardi) opened the building for preliminary monitoring and inspections


DEED LINE
10' ALLEY (D)
CONC. PAD
CHAINLINK FENCE
WOOD FENCE
32.50-4-30.2
1902 7TH AVE
EL 38.70'
EL 37.44'
SEE NOTE 4
BLOCK WALL
GATE POST
WOOD
C/O
WOOD STEPS
FFE 38.49'
BOILER ROOM
BATH
WASHING MACHINE
UTILITY DISCONNECTED
CONC. PAD
32.50-4-29
621 19TH STREET
ADMIRAL CLEANERS BLDG
32.50-4-28
617 19TH STREET
(3) COLUMN SUPPORTS (TYP.)
PRESS
I-BEAMS (TYP.)
BM-1 ELEV. 34.96' BOX CUT ON CURB
(3) BLOCK COLUMNS/ FOOTERS (TYP.)
CONC. STEP
BRICK PAVERS
8" MAPLE
EL 35.49'
EL 35.66'
20' ALLEY (D) (F)
13.2'
BROKEN ASPHALT
SLATE CURB
U/G TEL PAINT
NYS RTE 2 (NINETEENTH STREET)
NG 2" PLGS
NG 1"PLGS

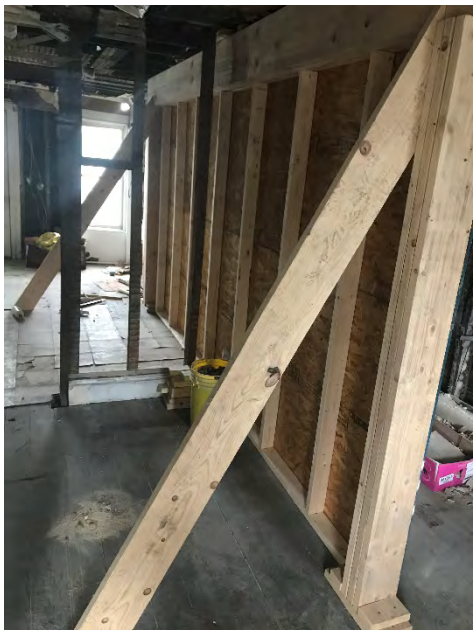
Site Photographs (Descriptions Below)

Front of site showing traffic control facing west.

Rear of site showing decon trailer and air monitor facing northwest.

Rear of site showing excavator facing west.

Area between 617 19th St and 621 19th St facing north.

	
Window cover on Mr. Gagliardi's east facing window of residence.	Shoring on second floor of 621 19th St.
	
Shoring on first floor of 621 19th St.	Basement of 621 19th St.

	
Asbestos monitor set up by Alpine Environmental Services.	Floor supports in the basement of 621 19th St.

Comments

Site Inspector(s): Mike Wright	**Date:** 5/4/2020

COVID DAILY HEALTH CHECKLIST

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

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None			

Report No. 2 **Admiral Cleaners - NYSDEC Site No. 401075** Date: 5/5/2020

NYSDEC Division of Environmental Remediation	**EA Engineering, P.C.** 269 W Jefferson St Syracuse, New York 13202	**EA WA No. D009806-04** PES Superintendent: Karl Earl NYSDEC PMs: Josh Haugh & David Chiusano EA PM: Chris Schroer EA Site Inspector: Mike Wright

Site Location: Watervliet, New York

Weather Conditions

General Description	Sun	AM	Sun	PM
Temperature	38	AM	55	PM
Wind	West 10 mph	AM	West 10 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No x	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No x	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No x	NA

Health & Safety Comments

See COVID related checklist at end of report.

Summary of Work Performed	Arrived at site:	0645	Departed Site:	1610

Jackson began to demolish the west wall using a chisel hammer and a sledge from the inside of the building in the southwest corner starting from the top and working downward. Due to complications with wood framing near the roof Jackson had to move one laborer to the exterior of the building and knock the blocks inward with the assistance of a second laborer inside the building on a lift. The top six rows of block were removed from the 36' section that needs to be demolished by hand. PES set-up and ran DustTrak environmental air monitors upwind and downwind of the site through out the day. As asbestos containing materials (ACM) are present in the building, access to the interior of the building is restricted to designated workers in Tyvek and respirators. Alpine positioned asbestos monitors around the exterior of the building throughout the day. EA took plumbness measurements at the adjacent building to monitor its structural integrity during demolition.

NYSDEC directed PES/Jackson to demolish concrete step on front sidewalk and temporary backfill with crusher run aggregate. Sidewalk will be repaired following demobilization.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No x	NA
Were there any vehicles which were not tarped?	* Yes	No x	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No x	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Karl Earl	PES	Site Superintendent	8.5
Jack Deffler	Jackson	Superintendent	8.5
Arnold Drouin	Jackson	Operator	8.5
Nick Drouin	Jackson	Laborer	4
Gerard Pender	Jackson	Laborer	8.5
Paul R	Jackson	Foreman	8.5
Gered Burns	Alpine	Asbestos Monitor	8.5
Jesse Pebler	Jackson	Laborer	4.5

Equipment Description	Contractor/Vendor	Quantity	Used
CAT 325F Excavator	Jackson	1	No
DustTrak Environmental Air Monitor	PES	2	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Tonnage estimated per truck for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Dave Chiusano	DEC	**Yes**	**No X**
Paul LaBoissiere	City of Watervliet	**Yes**	**No X**
Brian Neumann	PES	**Yes**	**No X**
Watervliet Police Chief	Watervliet Police Department	**Yes**	**No X**
Dave Harrington	DEC	**Yes**	**No X**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mike Wright	EA

Kris Keenan	DEC

Project Schedule Comments

Demolition could run a day or two into next week.

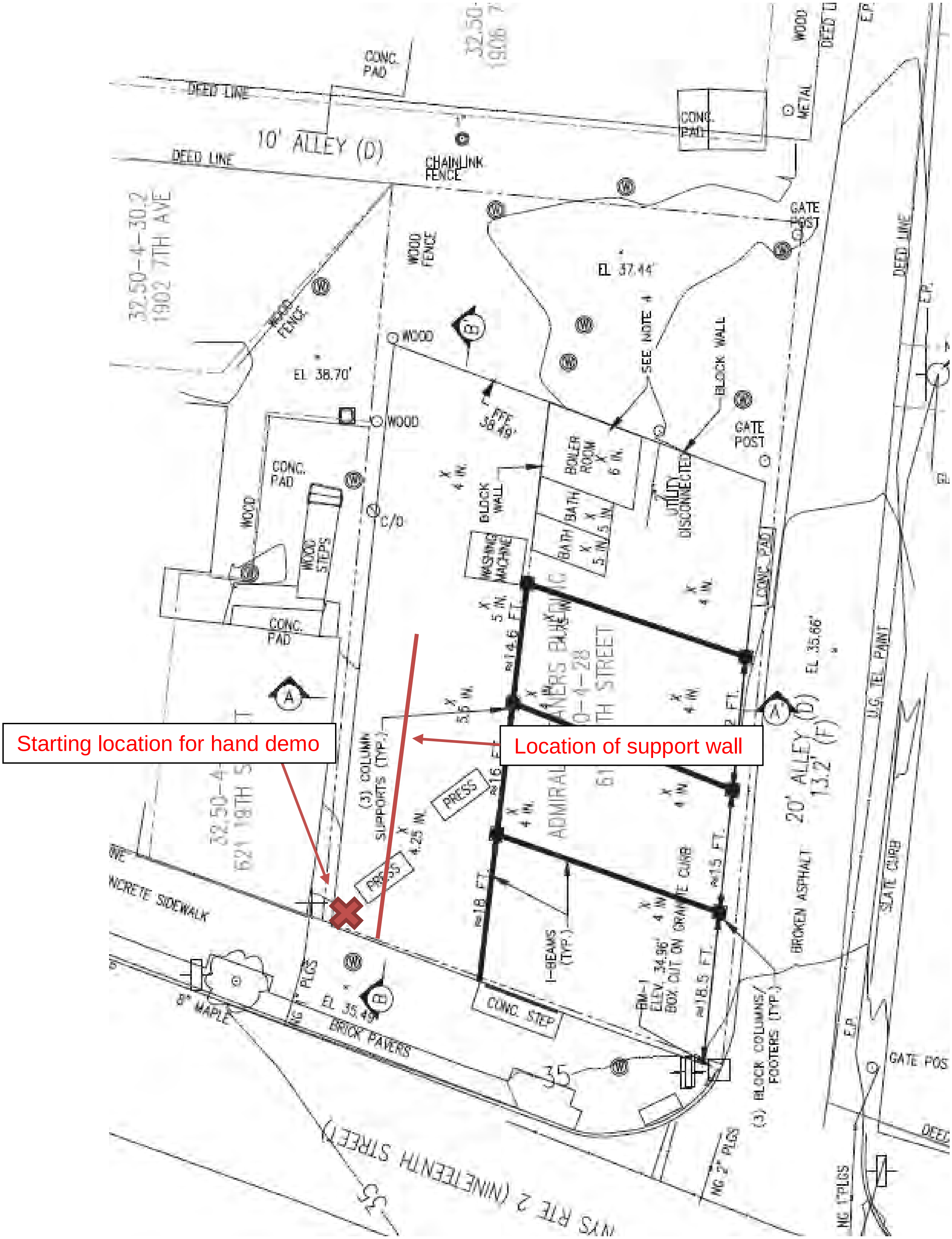
Issues Pending

Pedestrian traffic control was an issue today. PES is working out an agreement with the Watervliet Police Department to have an officer onsite all day to direct traffic and pedestrians.

Interaction with Public, Property Owners, Media, etc.

Owner of 621 19th Street (Anthony Gagliardi) opened the building for plumbness monitoring and inspections

Report No. 2 **Admiral Cleaners - NYSDEC Site No. 401075** Date: 5/5/2020



Site Photographs (Descriptions Below)

Completed support wall inside building (completed 5/4/20)

Portion of the ceiling removed for support wall construction (completed 5/4/20)

Asbestos abatement work zone looking west

Asbestos abatement work zone looking north

Hand demo started on the south west corner from the inside.

Hand demo now being performed from the outside due to complications inside.

	
Portions of the roof removed during hand demo of west wall	Top six rows of block removed up to the end of the support wall
Comments	
Site Inspector(s): Mike Wright	**Date:** 5/5/2020

COVID DAILY HEALTH CHECKLIST

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

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None			

Report No. 3 **Admiral Cleaners - NYSDEC Site No. 401075** Date: 5/6/2020

NYSDEC Division of Environmental Remediation	**EA Engineering, P.C.** 269 W Jefferson St Syracuse, New York 13202	**EA WA No. D009806-04** PES Superintendent: Karl Earl NYSDEC PMs: Josh Haugh & David Chiusano EA PM: Chris Schroer EA Site Inspector: Mike Wright

Site Location: Watervliet, New York

Weather Conditions

General Description	Sun	AM	Cloudy	PM
Temperature	40	AM	55	PM
Wind	West 7 mph	AM	West 7 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No x	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No x	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No x	NA

Health & Safety Comments

See COVID related checklist at end of report.

Summary of Work Performed	Arrived at site:	0645	Departed Site:	1330

Jackson resumed and completed demolition on the west wall from both inside and outside of the building working north to south. Jackson removed a portion of the dry cleaner's sign that says Admiral at request of the City of Watervliet and the remainder of the sign will be torn down with the building. Jackson removed all demo debris that fell outside of the building and placed it into the building. PES set-up and ran DustTrak environmental air monitors upwind and downwind of the site throughout the day. As asbestos containing materials (ACM) are present in the building, access to the interior of the building is restricted to designated workers in Tyvek and respirators. Alpine positioned asbestos monitors around the exterior of the building throughout the day. EA took plumbness measurements at the adjacent building to monitor its structural integrity during demolition.

Jackson will begin demolition of the remaining building using the excavator starting tomorrow, Thursday May 7th at approximately 0700.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No x	NA
Were there any vehicles which were not tarped?	* Yes	No x	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No x	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Karl Earl	PES	Site Superintendent	6.5
Jack Deffler	Jackson	Superintendent	6.5
Arnold Drouin	Jackson	Operator	6.5
Gerard Pender	Jackson	Laborer	6.5
Paul R	Jackson	Foreman	6.5
Gered Burns	Alpine	Asbestos Monitor	6.5
Jesse Pebler	Jackson	Laborer	6.5

Equipment Description	Contractor/Vendor	Quantity	Used
CAT 325F Excavator	Jackson	1	No
DustTrak Environmental Air Monitor	PES	2	Yes
Scissor Lift	Jackson	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Tonnage estimated per truck for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

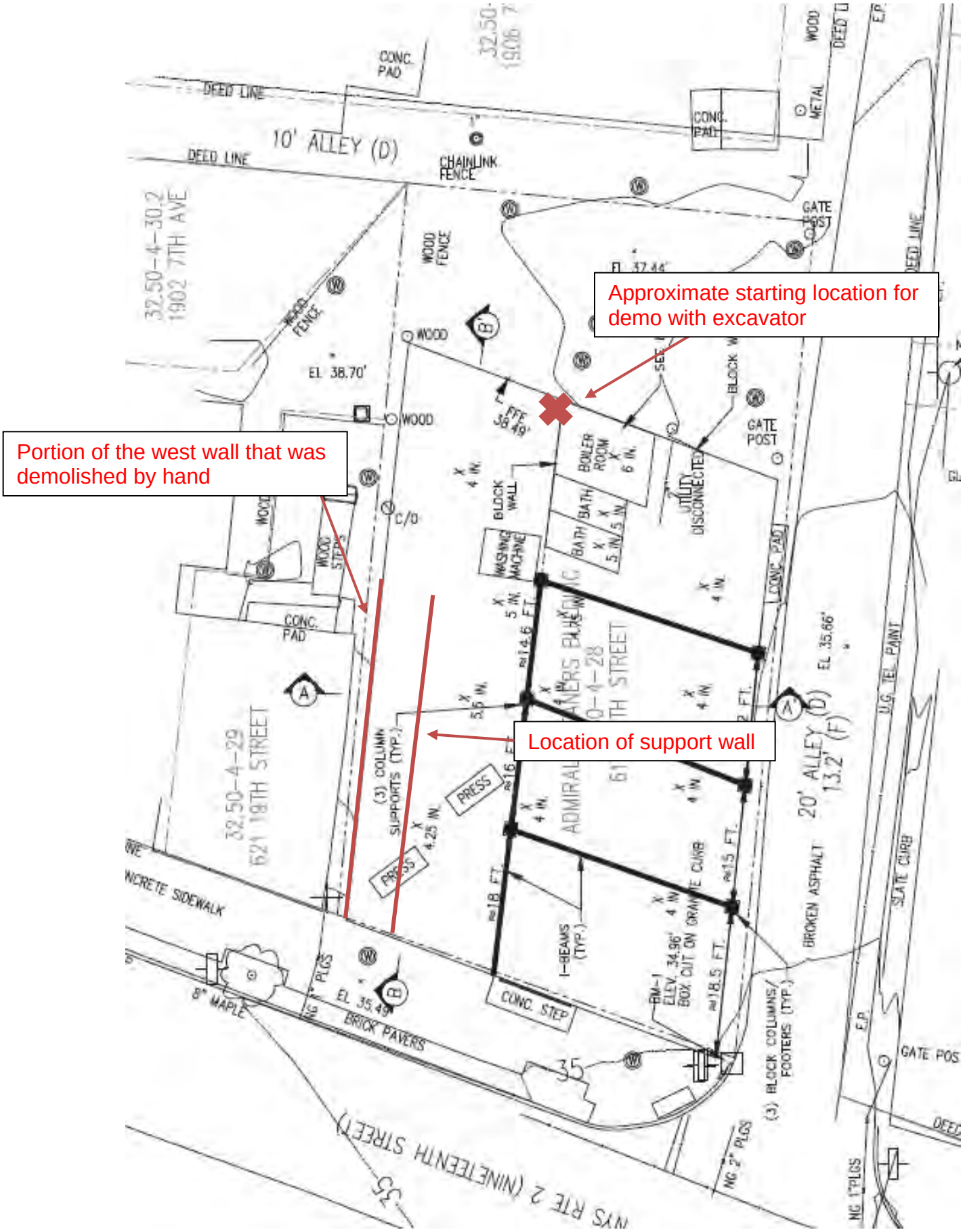
Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Dave Chiusano	DEC	**Yes**	**No X**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mike Wright	EA
Kris Keenan	DEC

Project Schedule Comments
Demolition should wrap up Friday afternoon or Monday.
Issues Pending
None.
Interaction with Public, Property Owners, Media, etc.
Owner of 621 19th Street (Anthony Gagliardi) opened the building for plumbness monitoring and inspections


Approximate starting location for demo with excavator
Portion of the west wall that was demolished by hand
Location of support wall
DEED LINE
10' ALLEY (D)
CHAINLINK FENCE
CONC. PAD
WOOD FENCE
GATE POST
32.50-4-30.2
1902 7TH AVE
EL 38.70'
WOOD
BOILER ROOM
BATH
BLOCK WALL
WASHING MACHINE
UTILITY DISCONNECTED
C/O
WOOD STEPS
32.50-4-29
621 19TH STREET
(3) COLUMN SUPPORTS (TYP.)
PRESS
I-BEAMS (TYP.)
CONC. STEP
BM-1
ELEV. 34.96'
BOX CUT ON CURB
BROKEN ASPHALT
(3) BLOCK COLUMNS/ FOOTERS (TYP.)
20' ALLEY (D) (F)
13.2'
U/G TEL PAINT
SLATE CURB
EL 35.66'
EL 35.49'
8" MAPLE
BRICK PAVERS
NYS RTE 2 (NINETEENTH STREET)

Site Photographs (Descriptions Below)

Beginning to tear down the remainder of the west wall looking north

Beginning to tear down the remainder of the west wall looking south

Removing windows on the west wall

Removing the portion of the sign that says admiral

Sign after admiral has been removed

Completion of west wall removal looking north

	
Completion of west wall removal looking south	
Comments	
Site Inspector(s): Mike Wright	**Date:** 5/6/2020

COVID DAILY HEALTH CHECKLIST

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

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None			

Report No. 4 **Admiral Cleaners - NYSDEC Site No. 401075** Date: 5/7/2020

NYSDEC Division of Environmental Remediation	**EA Engineering, P.C.** 269 W Jefferson St Syracuse, New York 13202	**EA WA No. D009806-04** PES Superintendent: Karl Earl NYSDEC PMs: Josh Haugh & David Chiusano EA PM: Chris Schroer EA Site Inspector: Mike Wright

Site Location: Watervliet, New York

Weather Conditions

General Description	Sun	AM	Sun	PM
Temperature	50	AM	60	PM
Wind	West 10-15 mph	AM	West 10-15 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No x	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No x	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No x	NA

Health & Safety Comments

See COVID related checklist at end of report.

Summary of Work Performed	Arrived at site:	0700	Departed Site:	1545

Jackson began demolition of the building using the excavator in the northwest corner of the building. They started by tearing off the roof followed by knocking down the walls with the excavators' boom. Once the building was demolished the operator began to separate metal from the remaining debris. When the first truck arrived, the operator began to load the trailers with demolition debris (lumber/concrete block/brick). A total of 3 loads of demolition debris was hauled offsite by Riccelli Trucking to the Ontario County Landfill. A total estimate of load weights is between 45-90 tons.1 load of steel from the demolition was hauled by Jackson to their shop after proper decontamination. Load weight was unknown. After removal of demolition debris from the southeast corner of the slab a 3-6" depression in the slab was observed. This depression has yet to be addressed. The remaining construction debris was placed into a pile in the north end of the slab and covered with poly sheeting for the night. PES set-up and ran DustTrak environmental air monitors upwind and downwind of the site throughout the day. As asbestos containing materials (ACM) are present in the building, access to the interior and exterior perimeter of the building was restricted to designated workers in Tyvek and respirators during demolition. Alpine positioned asbestos monitors around the exterior of the building throughout the day. EA took plumbness measurements at the adjacent building to monitor its structural integrity during demolition. Monitoring has confirmed the building has experienced no movement since baseline measurements were taken pre-demolition.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No x	NA
Were there any vehicles which were not tarped?	* Yes	No x	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No x	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Karl Earl	PES	Site Superintendent	8.5
Jack Deffler	Jackson	Superintendent	8.5
Arnold Drouin	Jackson	Operator	8.5
Gerard Pender	Jackson	Laborer	8.5
Paul R	Jackson	Foreman	8.5
Gered Burns	Alpine	Asbestos Monitor	8.5
Nick Drouin	Jackson	Laborer	8.5

Equipment Description	Contractor/Vendor	Quantity	Used
CAT 325F Excavator	Jackson	1	Yes
DustTrak Environmental Air Monitor	PES	2	Yes
Bobcat S185 Skid Steer	Jackson	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Demolition debris (lumber/block)		X	ACM	Ontario County Landfill	3	See below
Demolition debris (steel)		X		Jackson's Shop	1	See below

Tonnage estimated per truck for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

3 loads of demolition debris (lumber/concrete blocks/bricks) were hauled by Riccelli Trucking. Drivers estimated each load to weigh between 15-30 tons depending on the ratio of lumber and blocks.

1 load of demolition debris (steel) was hauled by Jackson back to their shop. Driver did not have an estimate of load weight.

Jack Deffler (supervisor) instructed to contact Mike Martin (project manager) for individual load weights.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Dave Chiusano	DEC	**Yes**	**No X**
Dave Harrington	DEC	**Yes**	**No X**
Brian Neumann	PES	**Yes**	**No X**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mike Wright	EA
Kris Keenan	DEC

Project Schedule Comments

Demolition clean up should be completed by Monday afternoon.

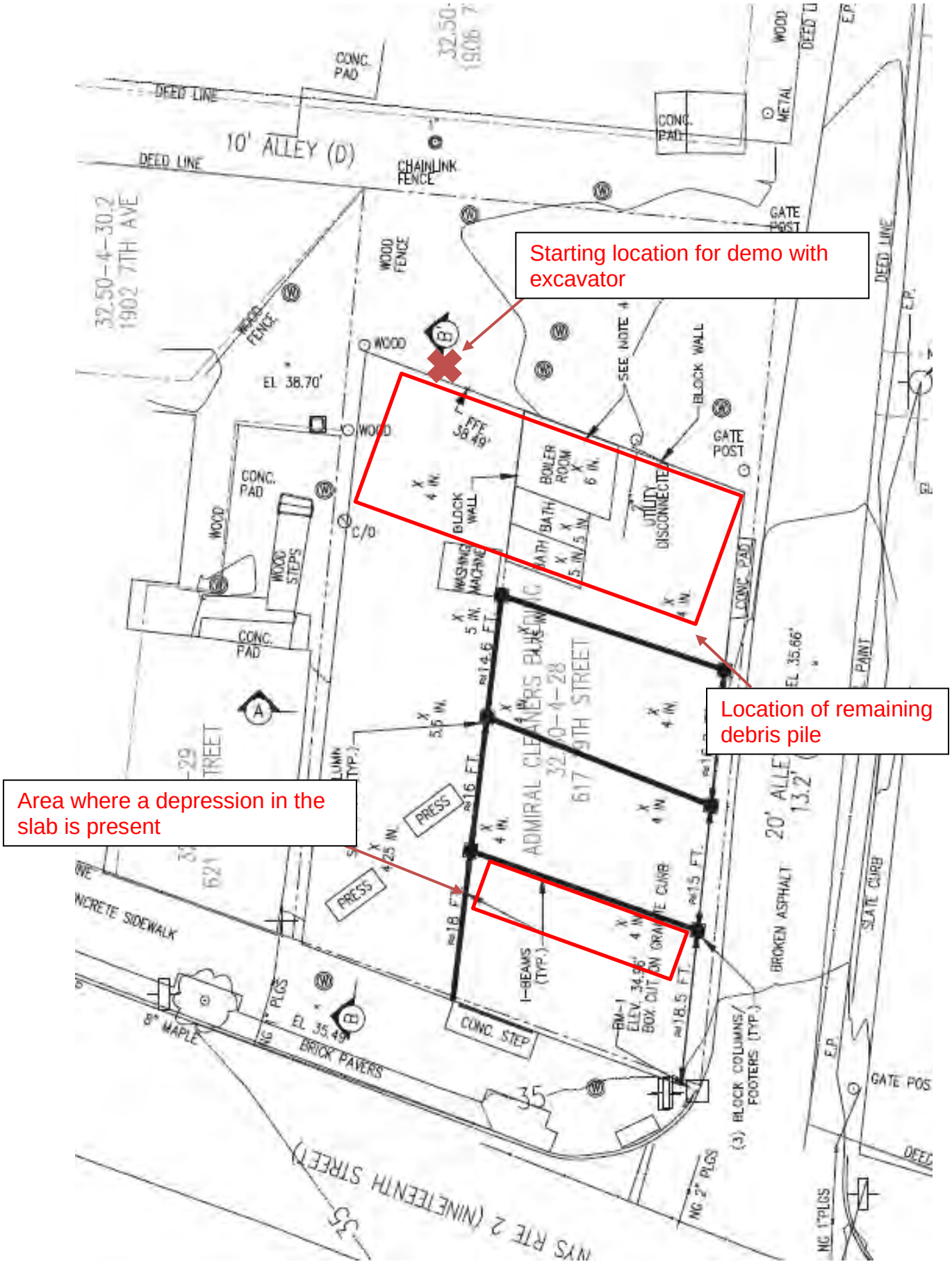
PES informed us today the permanent fencing is delayed until June 1st. Temporary orange fencing will be installed around the footprint of the building until that task can be completed.

Issues Pending

Concerns on removing the block on the west side of the foundation as it pertains to the structural integrity of Mr. Gagliardi's buildings foundation. The issue is set to be addressed at the tailgate meeting tomorrow morning with all appropriate personnel present.

Interaction with Public, Property Owners, Media, etc.

Owner of 621 19th Street (Anthony Gagliardi) opened the building for plumbness monitoring and inspections


Starting location for demo with excavator
Location of remaining debris pile
Area where a depression in the slab is present
DEED LINE
10' ALLEY (D)
CONC. PAD
CHAINLINK FENCE
WOOD FENCE
GATE POST
BLOCK WALL
BOILER ROOM
BATH
WASHING MACHINE
UTILITY DISCONNECTED
CONC. STEPS
WOOD STEPS
EL 38.70'
EL 35.66'
ADMIRAL CLEANERS BLDG
617 9TH STREET
PRESS
I-BEAMS (TYP.)
BROKEN ASPHALT
SLATE CURB
CONC. STEP
BRICK PAVERS
8" MAPLE
EL 35.49'
(3) BLOCK COLUMNS/ FOOTERS (TYP.)
NYS RTE 2 (NINETEENTH STREET)

Site Photographs (Descriptions Below)

Admiral Cleaner's building pre-demo

Starting location for remaining demolition (northwest corner)

Demo of building from north to south

Western section of the south wall removed

Excavator beginning to tear down east wall

Excavator beginning to load demo debris into tractor trailer

	
Operator sorting metal from remaining demo debris	Operator consolidation debris pile for load out tomorrow
	
3-6” depression in southeast portion of the slab	Remaining pile of demo debris covered in poly sheeting located at the north end of the slab.

Comments

Site Inspector(s): Mike Wright	**Date:** 5/7/2020

COVID DAILY HEALTH CHECKLIST

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

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None			

NYSDEC Division of Environmental Remediation	**EA Engineering, P.C.** 269 W Jefferson St Syracuse, New York 13202	**EA WA No. D009806-04** PES Superintendent: Karl Earl NYSDEC PMs: Josh Haugh & David Chiusano EA PM: Chris Schroer EA Site Inspector: Mike Wright

Site Location: Watervliet, New York

Weather Conditions

General Description	Sun	AM	Sun	PM
Temperature	40	AM	55	PM
Wind	West 15 mph	AM	West 15 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No x	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No x	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No x	NA

Health & Safety Comments

See COVID related checklist at end of report.

Summary of Work Performed	Arrived at site:	0645	Departed Site:	1545

Jackson continued cleanup of the slab and demolition debris. ~~4~~ load of demolition debris were hauled offsite to Ontario County Landfill, 2 by Riccelli Trucking ~~and 2 by Jackson~~. Total estimated weight for the daily haul is between 60 and 120 tons. Jackson removed the south east corner of the slab (approx.. 250 sq ft) that included ACM tiles. Jackson removed courses of block along the west side of the foundation exposing a roughly 2-3 ft ledge of soil. Jackson plans to place filter fabric and stone over the ledge as a temporary means of reinforcement. The exposed ledge of soil along the west foundation and the exposed soil in the southeast corner were covered with double layers of 6 mil poly for the weekend. PES set-up and ran DustTrak environmental air monitors upwind and downwind of the site throughout the day. As asbestos containing materials (ACM) were present in the building prior to demolition, access to perimeter of the lot was restricted to designated workers in Tyvek and respirators during demolition cleanup. Alpine positioned asbestos monitors around the exterior of the lot throughout the day. EA took plumbness measurements at the adjacent building to monitor its structural integrity during demolition. Monitoring has confirmed the building has experienced no movement since baseline measurements were taken pre-demolition.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No x	NA
Were there any vehicles which were not tarped?	* Yes	No x	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No x	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Karl Earl	PES	Site Superintendent	8.5
Jack Deffler	Jackson	Superintendent	8.5
Arnold Drouin	Jackson	Operator	8.5
Gerard Pender	Jackson	Laborer	8.5
Paul R	Jackson	Foreman	8.5
Gered Burns	Alpine	Asbestos Monitor	8.5
Nick Drouin	Jackson	Laborer	8.5

Equipment Description	Contractor/Vendor	Quantity	Used
CAT 325F Excavator	Jackson	1	Yes
DustTrak Environmental Air Monitor	PES	2	Yes
Bobcat S185 Skid Steer	Jackson	1	No

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Demolition debris (lumber/block)		X	ACM	Ontario County Landfill	~~4~~ 2	See below

Tonnage estimated per truck for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

~~4~~ 2 loads of demolition debris (lumber/concrete blocks/bricks) were hauled by Riccelli Trucking ~~and Jackson~~ Demolition. Drivers estimated each load to weigh between 15-30 tons depending on the ratio of lumber and blocks.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Dave Chiusano	DEC	**Yes**	**No X**
Brian Neumann	PES	**Yes**	**No X**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mike Wright	EA
Kris Keenan	DEC

Project Schedule Comments

Demolition clean up should be completed by Monday afternoon. A load of stone is expected to come Tuesday morning to fill recessed floor and south east corner where the slab was removed.

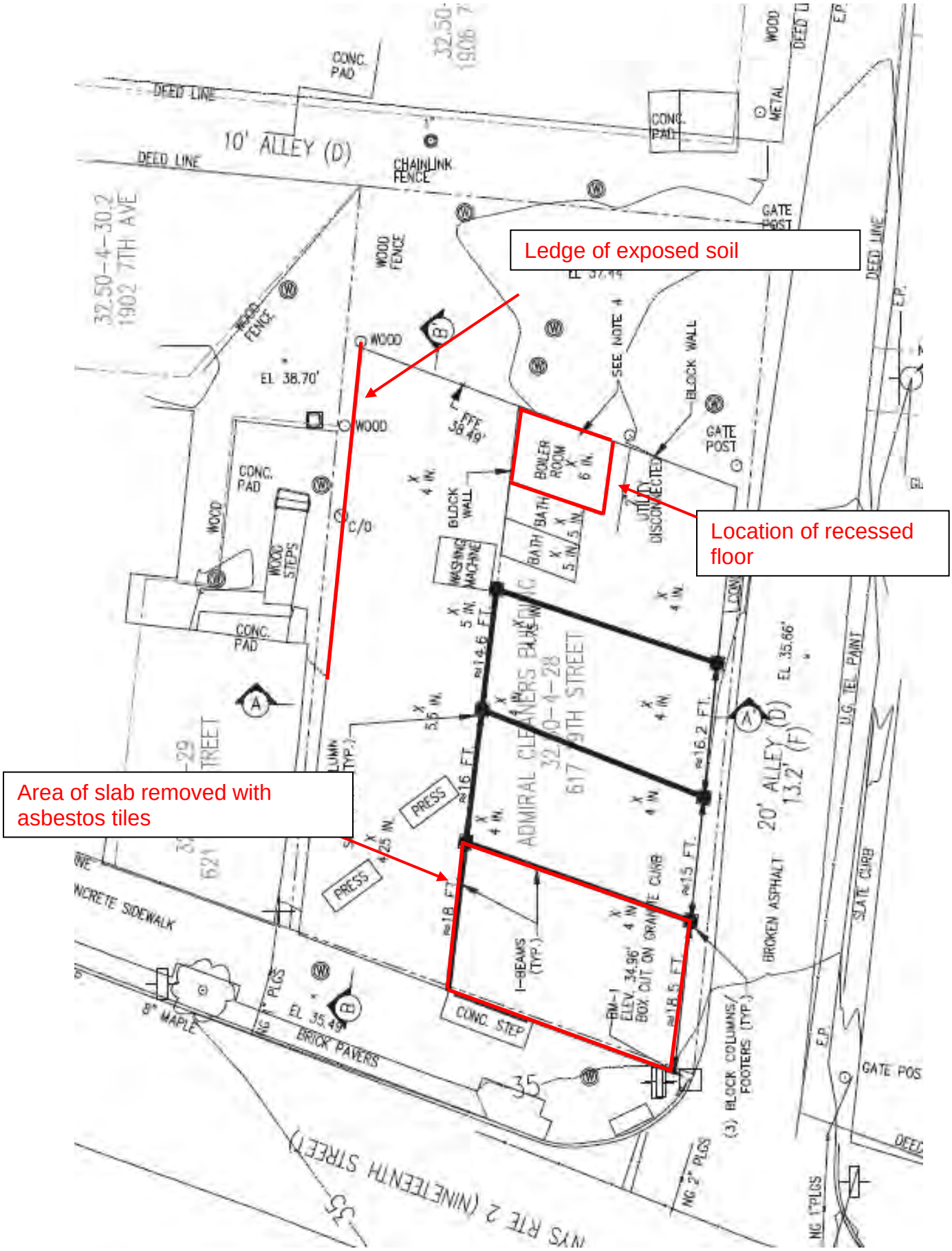
Fence post are scheduled to be set 5/29/20 and the permanent fence will be installed 6/5/20.

Issues Pending

Courses of block were removed from west side of foundation exposing a 2-3 ft ledge of soil. Jackson is going to place filter fabric along the ledge and cover it with stone for a temporary reinforcement for the ledge. PES is going to work with Jackson for a more permanent solution as Jackson was informed prior that those blocks needed to stay.

Interaction with Public, Property Owners, Media, etc.

Owner of 621 19th Street (Anthony Gagliardi) opened the building for plumbness monitoring and inspections


Ledge of exposed soil
Location of recessed floor
Area of slab removed with asbestos tiles
DEED LINE
10' ALLEY (D)
CHAINLINK FENCE
CONC. PAD
WOOD FENCE
GATE POST
BLOCK WALL
BOILER ROOM
BATH
WASHING MACHINE
WOOD STEPS
ADMIRAL CLEANERS BLDG
617 9TH STREET
20' ALLEY (D)
13.2' (F)
PRESS
I-BEAMS (TYP.)
CONC. STEP
BROKEN ASPHALT
SLATE CURB
U/G TEL PAINT
BRICK PAVERS
8" MAPLE
NYS RTE 2 (NINETEENTH STREET)

Site Photographs (Descriptions Below)

Continuing to load truck with demo debris for haul offsite

Exposed soil ledge on west end of foundation

Vent pipe along west end of foundation believed to belong to Mr. Gagliardi

Southeast section of slab removed (approx. 250 sq ft)

Cleaning demo debris out of gaps in block to pass visual inspection by alpine

Recessed floor along north wall filled with debris (former boiler room)

	
Exposed soil from slab removal covered with 2 layers of 6 mil poly	Ledge of exposed soil along west end of foundation covered with two layers of 6 mil poly
Comments	
Site Inspector(s): Mike Wright	**Date:** 5/8/2020

COVID DAILY HEALTH CHECKLIST

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

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None			

Report No. 6 **Admiral Cleaners - NYSDEC Site No. 401075** Date: 5/11/2020

NYSDEC Division of Environmental Remediation	**EA Engineering, P.C.** 269 W Jefferson St Syracuse, New York 13202	**EA WA No. D009806-04** PES Superintendent: Karl Earl NYSDEC PMs: Josh Haugh & David Chiusano EA PM: Chris Schroer EA Site Inspector: Mike Wright

Site Location: Watervliet, New York

Weather Conditions

General Description	Sun	AM	Sun	PM
Temperature	40	AM	55	PM
Wind	West 15 mph	AM	West 15 mph	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No x	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No x	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No x	NA

Health & Safety Comments

See COVID related checklist at end of report. Asbestos monitoring no longer required now that structure has been demolished and all building material transported and disposed off-site.

Summary of Work Performed	Arrived at site:	0700	Departed Site:	1445

Jackson continued cleanup of the slab and demolition debris. Debris was cleaned out of gaps in the remaining block around the foundation. The road, sidewalk and slab were all swept clear of debris. Jackson had 8 precast concrete blocks (2'x2'x6') delivered to use as support wall for exposed soil along the west side of foundation (Gagliardi Property Backyard, 621 19th Street). Note that the elevation of the backyard is higher than the adjacent first-floor elevation of the former dry cleaner. The western wall of the dry cleaner (removed during demo) was supporting the earth in this location. Alpine positioned asbestos monitors around the exterior of the lot throughout the morning until the monitor visually cleared the site and brought the air samples to the lab around 1100. Alpine received clearance of samples around 1330. Jackson had 21 yards of crusher run delivered to the site and placed on the slab. Jackson removed the stoop on the sidewalk and began to fill stone in southeast corner where slab was removed as well as into the recessed floor even to the slab. A vapor barrier consisting of 6 mil poly sheeting was placed below the crusher run on the southeast corner at the direction of PES. Jackson placed filter fabric over the exposed soil ledge followed by the precast concrete blocks to create a retaining wall on the west edge of the foundation. PES set-up and ran DustTrak environmental air monitors upwind and downwind of the site throughout the day. As asbestos containing materials (ACM) were present in the building prior to demolition, access to perimeter of the lot was restricted to designated workers in Tyvek and respirators during demolition cleanup. After site clearance by Alpine the Tyvek suits and respirators are no longer needed. EA took plumbness measurements at the adjacent building to monitor its structural integrity during demolition. Monitoring has confirmed the building has experienced no movement since baseline measurements were taken pre-demolition.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No x	NA
Were there any vehicles which were not tarped?	* Yes	No x	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No x	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Karl Earl	PES	Site Superintendent	8.5
Jack Deffler	Jackson	Superintendent	8.5
Arnold Drouin	Jackson	Operator	8.5
Gerard Pender	Jackson	Laborer	8.5
Paul R	Jackson	Foreman	8.5
Gered Burns	Alpine	Asbestos Monitor	6.5
Nick Drouin	Jackson	Laborer	8.5

Equipment Description	Contractor/Vendor	Quantity	Used
CAT 325F Excavator	Jackson	1	Yes
DustTrak Environmental Air Monitor	PES	2	Yes
Bobcat S185 Skid Steer	Jackson	1	No

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Crusher Run	X			Pattersonville	1	~26

Tonnage estimated per truck for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Note: Imported crushed stone is from a virgin rock source. No analytical data is required for import of material.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Brian Neumann	PES	**Yes**	**No X**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Mike Wright	EA
Kris Keenan	DEC

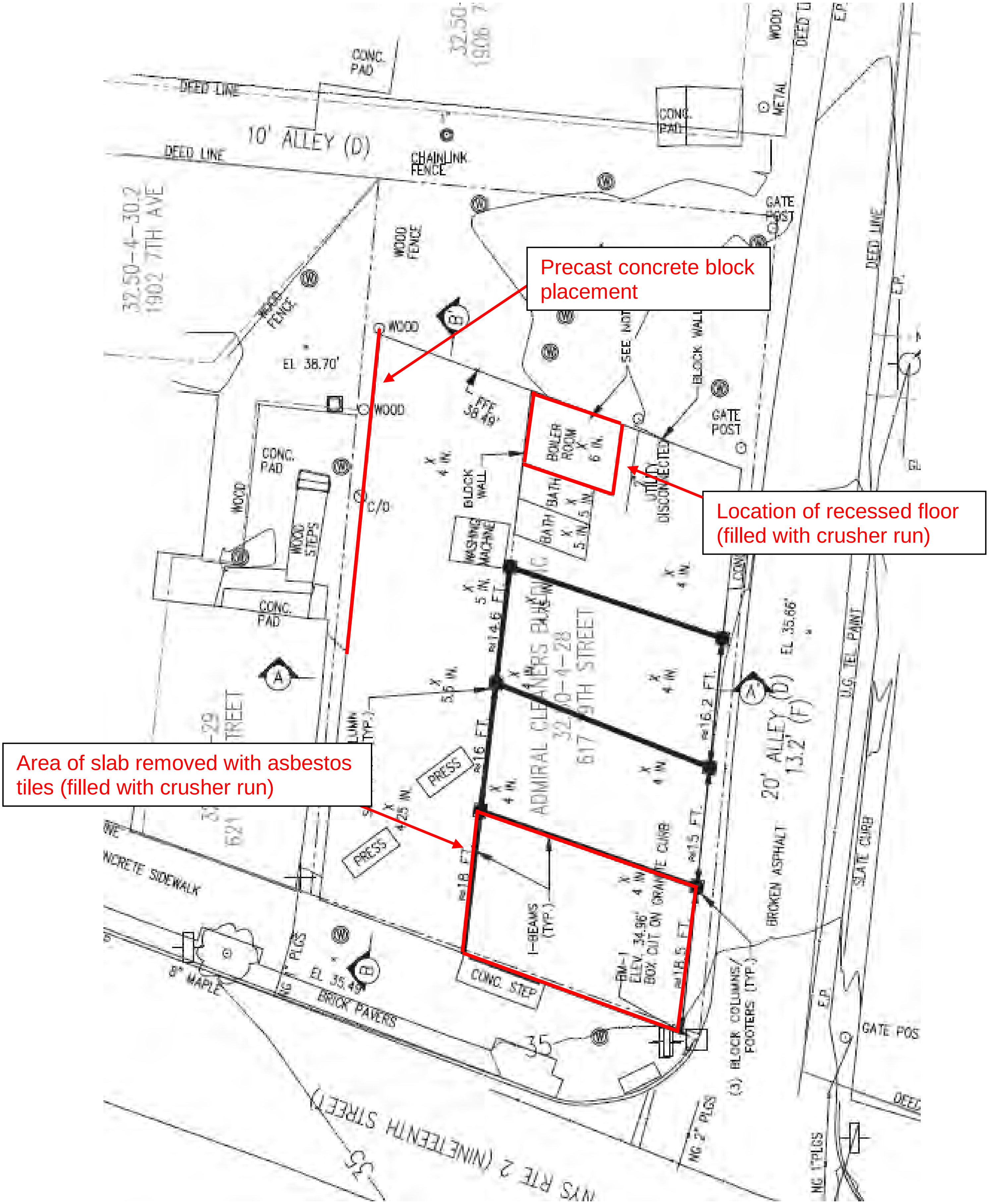
Project Schedule Comments

Work completed at site. Jackson to demobilize site equipment on 12 May 2020.
Temporary construction fence will remain in place until site security fence is completed.
Fence post are scheduled to be set 5/29/20 and the permanent fence will be installed 6/5/20.

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Owner of 621 19th Street (Anthony Gagliardi) opened the building for plumbness monitoring and inspections.
Representative from City of Watervliet Police department was onsite to assist with community engagement.


Precast concrete block placement
Location of recessed floor (filled with crusher run)
Area of slab removed with asbestos tiles (filled with crusher run)
10' ALLEY (D)
ADMIRAL CLEANERS BUILDING
20' ALLEY (D)
NYS RTE 2 (NINETEENTH STREET)

Site Photographs (Descriptions Below)

Jackson crew clearing remaining demo debris from slab and surrounding work area

Cleaned slab, site visually cleared by monitor

Removed front stoop

Precast concrete blocks placed over filter fabric the west edge of foundation looking north

Precast concrete blocks placed over filter fabric along the west edge of foundation looking south

Recessed floor along north wall filled with crusher run (former boiler room)

	
Southeast corner of the slab and former stoop area filled with crusher run looking south	Southeast corner of the slab and former stoop area filled with crusher run looking east
Comments	
Site Inspector(s): Mike Wright	**Date:** 5/11/2020

COVID DAILY HEALTH CHECKLIST

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

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None			

Appendix C

Building Demolition and Asbestos Variance Permit

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City of Watervliet
2 Fifteenth Street
Watervliet, NY 12189
518-270-3800 ext. 107

Parcel ID: 32.50-4-28

Permit #: 20-043

Date: 4/21/2020
Expiration Date: 6/1/2020

BUILDING PERMIT

Applicant: Marderosian, William / Precision Environmental Services
Location: 617 19th St

Account #: 2266-0

Work Description: DEMOLITION
Demolition of building located at 617 19th Street - replacement for original permit # 20-017

Contacts:

Jackson Demolition Services
CONTRACTOR

Work: 518-374-3366
Cell:
Home:

Required Inspections:

GAS & ELECTRIC SHUT-OFF
INTERIOR DEMO
FOUNDATION REMOVAL
FINAL

Fees:

BUILDING PERMIT FEE	$460.00
Total:	$460.00

All work shall comply with all local and state building regulations and is subject to approval. This notice is to be displayed consipcuously at the job site.

Date: 4/24/20

Authorizing Signatures: Paul Labate

Applicant/Owner Signature: [signature]

Print Name: [signature]

Date: 4/21/2020

NEW YORK STATE OF OPPORTUNITY. Department of Labor

Andrew M. Cuomo, Governor
Roberta L. Reardon, Commissioner

January 24, 2020

Alpine Environmental Services
438 New Karner Rd
Albany, NY 12205

RE: File No. 20-0093

Dear Sir/Madam:

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

The attached is a copy of Decision, dated, 1/24/2020, which I have compared with the original filed in this office and which I DO HEREBY CERTIFY to be a correct transcript of the text of the said original.

If you are aggrieved by this decision you may appeal within 60 days from its issuance to the Industrial Board of Appeals as provided by Section 101 of the Labor Law. Your appeal should be addressed to the Industrial Board of Appeals, State Office Building Campus, Building 12, Room 116, Albany, New York, 12240 as prescribed by its Rules and Procedure, a copy of which may be obtained upon request.

WITNESS my hand and the seal of the
NYS Department of Labor, at the City of
Albany, on this day of 1/24/2020.

Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

Variance Petition

Of

Alpine Environmental Services, Inc.
Petitioner's Agent

On Behalf Of

William Marderosian
Petitioner

in re

Premises: Former Admiral Cleaners
617 19th Street
Watervliet, NY 12189

Controlled Demolition Asbestos Projects

File No. 20-0093

DECISION

Cases 1-4

ICR 56

The Petitioner, pursuant to Section 30 of the Labor Law, having filed Petition No. 20-0093 on January 23, 2020 with the Commissioner of Labor for a variance from the provisions of Industrial Code Rule 56 as hereinafter cited on the grounds that there are practical difficulties or unnecessary hardship in carrying out the provisions of said Rule; and the Commissioner of Labor having reviewed the submission of the petitioner dated January 22, 2020; and

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

Case 1	ICR 56 – 4.8(a)
Case 2	ICR 56 – 11.5(c)(7)
Case 3	ICR 56 – 9.2(d)
Case 4	ICR 56 – 11.5(c)(6)

VARIANCE GRANTED. The Petitioner's proposal is for controlled demolition with asbestos in-place with portions of the foundation to remain at the subject premises in accordance with the attached 13-page stamped copy of the Petitioner's submittal, is accepted; subject to the Conditions noted below:

THE CONDITIONS

1. A full-time project monitor shall be on site and responsible for oversight of the abatement contractor during all abatement activities to ensure compliance with ICR 56 and variance conditions.

2. The Project Monitor shall perform the following functions during asbestos abatement projects in addition to functions already required by ICR-56:

   a. Inspect of the interior of the asbestos project work area made at least twice every work shift accompanied by the Asbestos Supervisor;
   b. Observe and monitor the activities of the asbestos abatement contractor to determine that proper work practices are used and are in compliance with all asbestos laws and regulations;
   c. Inform the asbestos abatement contractor of work practices that, in the Project Monitor's opinion, pose a threat to public health or the environment, and are not in compliance with ICR-56 and/or approved variances or other applicable rules and/or regulations;
   d. Document in the Project Monitor Log observations and recommendations made to the Asbestos Supervisor based upon the interior/exterior observations of the asbestos project made by the PM.

3. The PM shall alert the nearest District Office of the NYSDOL Asbestos Control Bureau whenever, after the PM has provided recommendations to the Asbestos Supervisor, unresolved conditions remain at the asbestos project which present significant potential to adversely human health or the environment.

4. All generated waste removed from the site must be documented, accounted for and disposed of in compliance with the requirements of NESHAPS and NYSDEC.

Secure the Work Site

5. The entire controlled demolition area and all surrounding portions of the site to be utilized for demolition cleanup, staging areas and regulated abatement work areas, shall be enclosed within a barrier or fence. The intent of this barrier is to define the restricted area at the work site, alert the public to the asbestos work and associated hazards, and to prevent unauthorized entry onto the work site.

Establishment of Regulated Areas

6. The regulated work areas, decontamination units, airlocks, and dumpster areas shall be cordoned off at twenty-five feet (25') where possible and shall remain vacated except for certified workers until satisfactory clearance air monitoring results have been achieved or the abatement project is complete. These areas shall have Signage posted in accordance with Subpart 56-7.4(c) of this Code Rule. For areas where twenty-five feet isn't possible, the areas shall be cordoned off as practical, and a daily abatement air sample shall be included at the reduced barrier.

7. Entry/Exit of all persons and equipment shall be through one designated and secure "doorway" in the barrier or fence, which shall provide an adequate and appropriate means of egress from the work site.

8. All adjacent building openings within twenty-five (25) feet of the outermost limit of the disturbance shall be sealed with two (2) layers of six (6) mil fire retardant plastic sheeting. If the owner of an adjacent building does not allow openings to be sealed as required, the asbestos abatement contractor's supervisor must document the issue within the daily project log, and have the affected building owner sign the log confirming that the owner will not allow the asbestos abatement contractor to seal the openings in the building as required. In addition, a daily abatement air sample shall be included within ten feet of the affected portion of the adjacent building

Controlled Demolition Removals

9. The provisions of 56-11.5 shall be followed for controlled demolition removals, except as modified by this variance.

10. No dry disturbance or removal of asbestos material shall be permitted.

11. Wastewater shall be confined within the controlled demolition area. Water may be allowed to accumulate in basements during demolition activities.

12. All decontamination areas shall be within the regulated abatement work area. An equipment decontamination area shall be cordoned off within the worksite

for cleaning of heavy equipment, i.e., backhoes, excavators, loaders, etc. The ground surface in this decontamination area shall be banked on the sides to confine the contaminated wastewater.

13. In areas where ACM is removed, a drop cloth, made of six (6) mil fire retardant polyethylene sheeting shall be placed and adequately sized on the ground near the work area to prevent spread of any ACM remnants.

14. Asbestos containing material will not be allowed to accumulate on the drop cloth.

15. All demolition debris, structural members, barrier components, used filters and similar items shall be considered to be asbestos containing materials/asbestos contaminated waste and treated accordingly.

16. All material shall be treated as RACM including soil around and beneath the demolition abatement area, except for structural members, steel components and similar non-porous and non-suspect items that can be fully decontaminated.

17. Except for non-ACM containing concrete foundation walls that can be adequately cleaned; all demolition debris, structural members, barrier components, used filters and similar items shall be considered to regulated asbestos containing material (RACM) and managed accordingly. The Project Monitor shall confirm that the foundation can be adequately decontaminated. The structure and/or building remains (foundation) shall be maintained in a safe manner in accordance with local and state building codes.

18. The Project Monitor shall confirm that portions of the foundation can be adequately decontaminated for disposal by appropriate legal methods. The structure and/or building remains (foundation) shall be maintained in a safe manner in accordance with local and state building codes.

19. Non-porous cleanable objects/materials, non-ACM material (concrete, structural steel members, metal components and similar non-suspect materials) may be fully decontaminated for disposal by appropriate legal methods. Prior to disposal, the Project Monitor shall verify that the material has been properly cleaned/decontaminated.

20. The most recent daily abatement air samples collected during removal and cleaning operations in the regulated work area shall be used for comparison with ICR 56-4.11 clearance criteria.

21. In lieu of post-abatement clearance air monitoring in compliance with ICR-56-9.2(d), the most recent daily abatement air samples collected during removal and cleaning operations in the regulated work area, shall be used for comparison with ICR 56-4.11 clearance criteria. All other applicable

provisions of ICR 56-4 shall be followed for the duration of the abatement project.

22. After removal and cleanings are complete and a minimum drying period has elapsed, a project monitor shall determine if the area is dry and free of visible asbestos debris/residue. Clearance is achieved when the area is determined to be acceptable by the project monitor and the most recent daily abatement air sample results meet 56-4.11 clearance criteria.

23. The dumpster(s) used to transport the **non-friable** ACM waste does not need to be lined with two (2) layers of plastic, however all other requirements of ICR 56-8.9(g) and ICR 56-11.5(c)(11), including top wrapping, air, dust and water tightness, shall apply.

Perimeter Air Sampling:

24. In addition to the requirement of Subpart 56-4.9(c), air monitoring shall be conducted daily at the perimeter of the work area.

25. A minimum of two upwind air samples shall be collected. The samples shall be spaced approximately 30 degrees apart from the prevailing wind direction.

26. A minimum of three downwind samples shall be collected. The samples shall be equally spaced in a 180-degree arc downwind from the source.

27. If more than one shift daily is required to accomplish the work, air monitoring within the work area during abatement shall be performed on each shift.

Site Soil Cleanup:

28. The site where the demolition occurred shall be assessed and cleaned up as follows.

29. Soil cleanup shall include, all visible asbestos or suspect asbestos debris. Soil removal shall meet ASTM 1368 (latest edition), Section 9.1.1-9.1.5 inspection criteria.

30. No pieces of ACM shall be present on top of the soil.

31. Visibly contaminated soil or soil suspected of being contaminated shall be removed down to the level where no visible contamination is noted.

32. The Project Monitor shall record the results of his/her inspection on the Project Log.

33. After abatement of the asbestos, all plastic sheeting and tape will be treated as contaminated material and properly disposed of asbestos waste at the end of the project.

Freezing Temperature Requirements

34. Removal of ACM in freezing temperatures shall be performed in accordance with the petitioner's proposal, the applicable NESHAP standards (Title 40, Part 61, Subpart M, Section 61.145(c)(7) and as follows:

    a. When temperatures are below 32°F, wetting of ACM during removal is not required however; ACM shall be removed in as large as possible sections and using methods to minimize asbestos disturbance.

    b. During these periods, the temperature in the area shall be recorded at the beginning, middle and end of the work day and the daily temperature shall be recorded and available for inspection.

    c. The owner shall retain the temperature records for at least two (2) years.

    d. All required air monitoring/sampling still applies.

    e. Decontamination of non-porous materials for salvageable must be performed using wet methods.

35. Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

. In addition to the conditions required by the above specific variances, the Petitioner shall also comply with the following general conditions:

GENERAL CONDITIONS

1. A copy of this DECISION and the Petitioner's proposals shall be conspicuously displayed at the entrance to the personal decontamination enclosure.

2. This DECISION shall apply only to the removal of asbestos-containing materials from the aforementioned areas of the subject premises.

3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-12.

4. The NYS Department of Labor Engineering Service Unit retains full authority to interpret this variance for compliance herewith and for compliance with Labor Law Article 30. Any deviation to the conditions leading to this variance

shall render this variance Null and Void pursuant to 12NYCRR 56-12.2. Any questions regarding the conditions supporting the need for this variance and/or regarding compliance hereto must be directed to the Engineering Services Unit for clarification.

5. This DECISION shall terminate on **April 24, 2020**.

Date: January 24, 2020

ROBERTA L. REARDON
COMMISSIONER OF LABOR

By

Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

PREPARED BY: Mark G. Wykes, P.E.
Professional Engineer 1 (Industrial)

REVIEWED BY: Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

PETITION PROCEDURES FOR ALTERNATIVE WORK PRACTICES

617 19th St, Watervliet, NY Variance Request

This project is a demo of the entire building with acm in-place , cleaning the non asbestos portion of the foundation/slab and leaving as non-asbestos..

Answer to Questions 9 & 10

There is hardship with complying with the provisions of the New York State Department of Labor's Industrial Code Rule 56 due to the condition of this building. Letter from the structural engineer indicating the building is structurally unsound is attached.

There is asbestos floor tile and mastic on a portion of the slab. The contractor will demolish that portion with the rest of the building, as asbestos in place demo. The remainder of the slab not containing asbestos will be cleaned and left as non asbestos.

We are specifically requesting relief from the following items of the Industrial Code Rule 56.

Case # 1 ICR 56-4.8 (a) Area Air Sample Analysis Results – General Requirements

We are requesting relief from the requirement to turn around air sampling results from samples collected on a Friday within forty-eight hours or less. Many laboratories do not have weekend hours. Also we are requesting relief from the requirement to post air sample results on non-work days.

Case # 2 ICR 56-11.5 Demolition with Asbestos In Place

Alpine proposes that the contractor follow 56 11.5, demolition with asbestos in place, with a couple modifications.

only for Non-friable ACM SEE VARIANCE CONDITIONS

We request that the contractor tape off, using asbestos barrier tape and OSHA signage, 25 ft around the building, or as much as possible. There are no building occupants so no notices will go up. Either owners or tenants of adjacent structures will be notified and asked if they want their windows and doors covered. In addition, only the bottom of the dumpster will be plasticized, and plastic shall extend up walls 12 inches. We are requesting approval to have abatement contractor clean this non asbestos containing portion of the slab and foundation and treat as construction debris, to be cleared by the PM.

Case # 3 ICR 56-9.2 (d) Clearance Air Samples

Last set of during shall serve as final clearance samples for both floor tile abatement, and demo with acm in-place. One additional air sample to be collected inside each regulated area.

Case # 4 ICR 56-11.5 (c) (6) Wet Methods

Freezing Temp Amendment, Controlled Demolition

Controlled demolition performed in freezing temperatures shall be performed in accordance with the applicable NESHAP standards (Title 40, Part 61, Subpart M) and as follows:

a. When temperatures are below freezing, wetting of ACM during removal is not required however: ACM shall be removed in as large as possible sections and using methods to minimize asbestos disturbance.

b. The temperature in the area shall be recorded and available for inspection at the beginning, middle and end of the work day.

c. The owner shall retain temperature records for at least 2 years.

200093

City of Watervliet
Building Department
2 - 15th Street, City Hall
Watervliet, New York 12189
Telephone: 518-270-3800 ext. 106/126
Fax: 518-270-3832
www.watervliet.com

Paul J. LaBoissiere Jr.
Code Enforcement Officer

Jason R. Chaplin
Code Enforcement Officer

Steven N. Hoffman
Code Enforcement Officer

May 16, 2019

William Marderosian
617 19th Street
Watervliet, NY 12189

re: 617 19th Street

Mr. Marderosian:

The building located at 617 19th Street here in Watervliet has been determined to be a danger to the health, safety, and welfare of the public. In accordance with the attached engineering report, from Russ Reeves, CEng., P.E., the City of Watervliet is in agreement that the building shall be removed as soon as practicable under the City of Watervliet's Emergency Condemnation Procedures.

Sincerely,

Paul LaBoissiere Jr.
Code Enforcement

200093

RUSS REEVES, CEng., P.E.
CIVIL-STRUCTURAL ENGINEERS

P.O. Box 1433
Troy, New York 12181-1433

Tel: 518-273-0774
e-mail; rreeves2@nycap.rr.com

December 8th , 2018

Jeremy Smith
General City Manager
jsmith@watervliet.com
Watervliet City Hall
2 Fifteenth Street
Watervliet, New York 12185

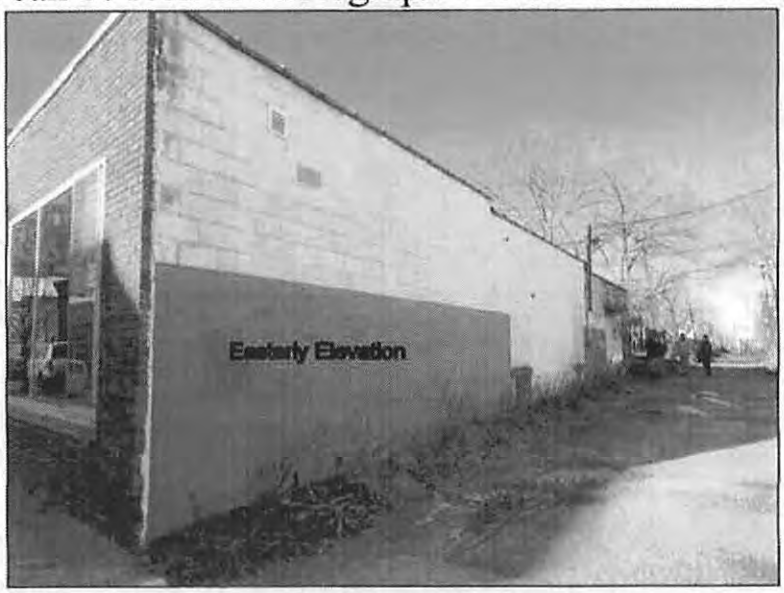
Re: Emergency Structural Condition Assessment 617 Nineteenth Street (the former Admiral Cleaners), Watervliet, New York

Dear Jeremy:

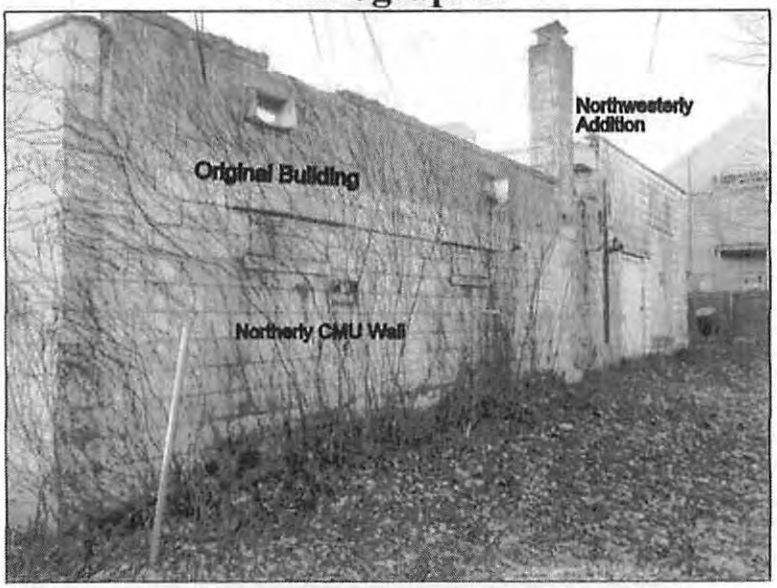
On December 7th , 2018 at approximately 1:40 pm Engineering Technician Barbara Tozzi and I arrived at 617 19th Street where we met with you, Code Enforcement Officer Paul Laboissiere and NYS DEC representatives including DEC project manager Joshua Haugh. The purpose of this site visit was to evaluate the interior and exterior portions of the structure as it relates to public safety.

Photograph 1

Photograph 1 shows the front Southerly elevation view of the building as seen from 19th Street. The building consists of the original structure which includes the entrance door and large window section as seen in Photograph 1. A later addition was constructed on the West side of the original building so as to provide for additional clear span open space. The addition can be seen in Photograph 1 to the left of the sign.



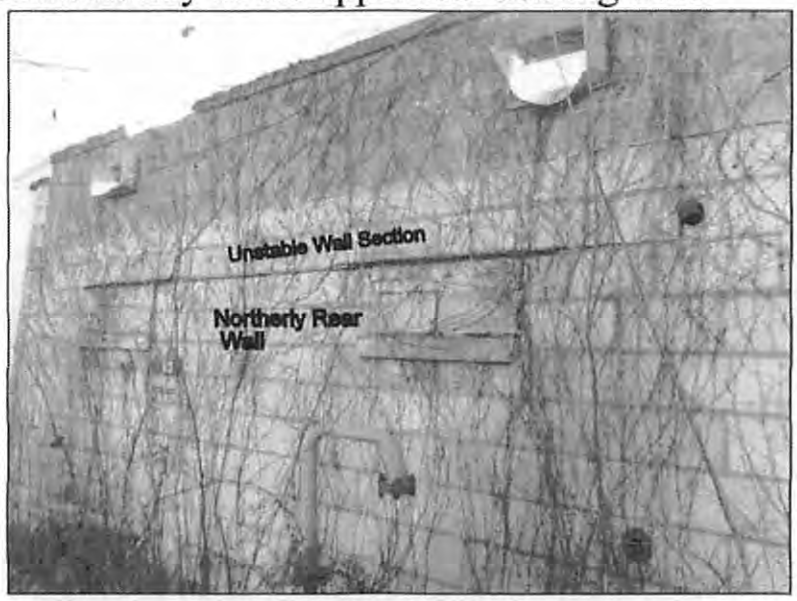
Photograph 2



Photograph 3

Photographs 2 and 3 show the Easterly and Northerly elevation views respectively. There are numerous roof penetrations where water damage

is present. The roof underlayment and roof joists exhibit significant deterioration and rotting specifically along the Northeasterly and Northwesterly quadrants of the building. There is a transverse fracture crack that extends nearly the entire length of the Northeasterly wall section of the original building. This is more specifically shown in Photographs 3 and 4. This is the direct result of failing roof joists exerting eccentric loads on the rear CMU bearing wall and causing a rotational mode of failure in this upper wall section. This has produced a condition of instability in the upper rear bearing wall.

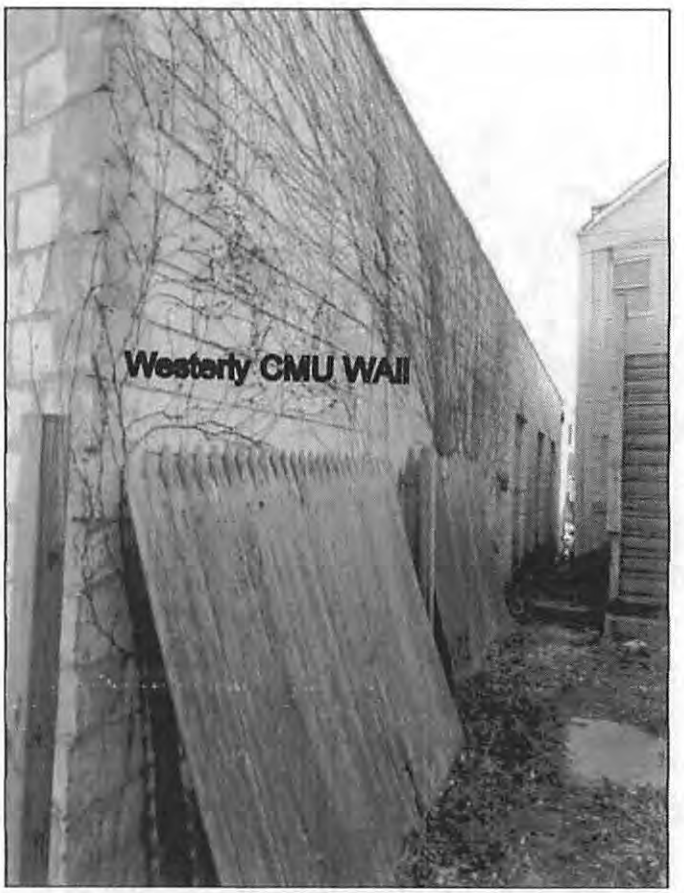


Photograph4

It shall be noted that various portions of the building have been subjected to extensive water damage and deterioration for a number of years. Unbalanced snow loads result in a mal-distribution of loads which cause unstable eccentric loading to the roof system and main beam support systems in the skeletal framing of the roof. This creates significant structural deficiencies associated with this structure. A localized collapse of the upper portion of the Northeasterly bearing wall as depicted in Photographs 3 and 4 is considered imminent at this time.

The original building consists of a front, rear and Easterly exterior concrete block bearing walls (a three sided structure). Intermediate steel bearing beams span in an East / West direction. Roof joists span in a

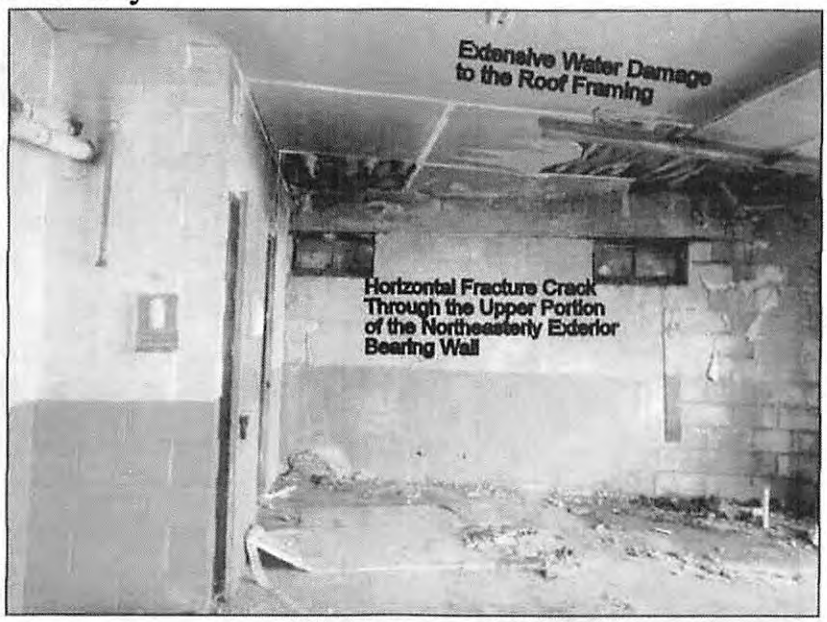
North / South direction and are in varying states of deterioration due to the aforementioned water damage. Portions of the roof structure are highly unstable. This specifically occurs along the Northwesterly and Northeasterly quadrants of the building. Any manipulation of the structure in these areas will result in a partial collapse of the roof structure and rear wall. This structure is considered a hazard to public safety. A localized collapse of portions of the roof structure under the dead load of the roof framing are also considered imminent at this time.



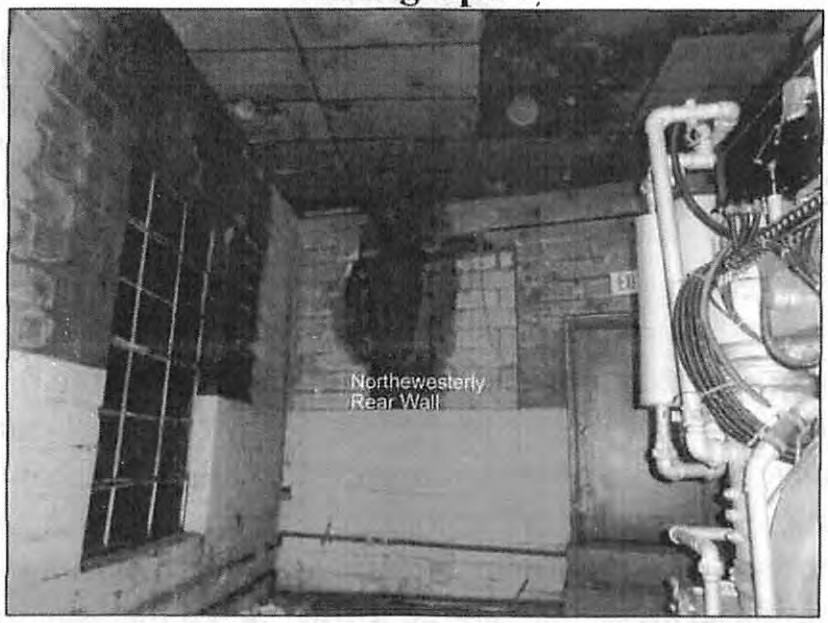
Photograph 5

Photograph 5 shows the Westerly elevation view of the exterior concrete block bearing wall. The Westerly addition contains timber roof framing members that span in an East / West direction, 90 degrees to that of the original structure roof framing. There are substantial roof leaks in the addition. Water is saturating portions of the Northwesterly rear CMU block wall and Northwesterly side wall as shown in Photograph 7. Over

the years successive freeze / thaw cycles are deteriorating the masonry block wall assembly.



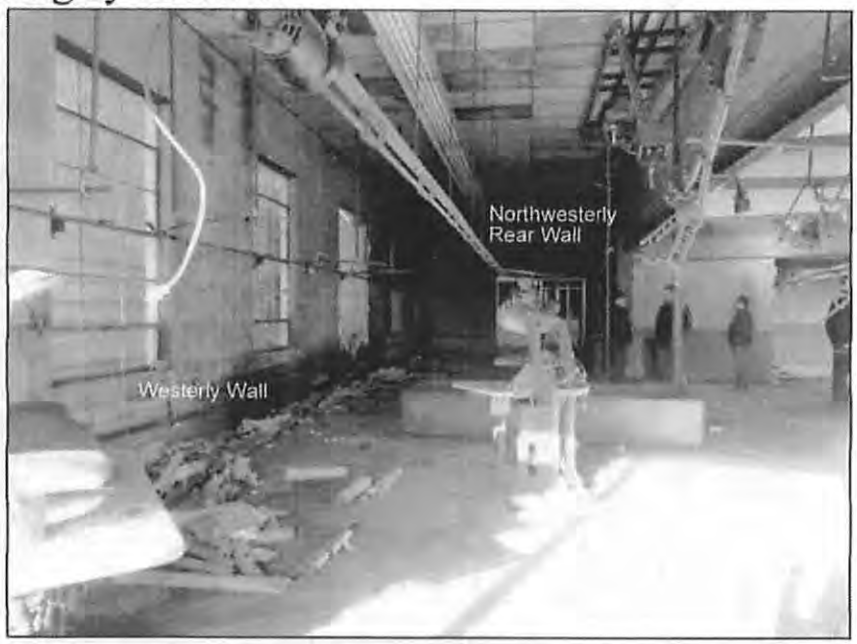
Photograph 6



Photograph 7

The entire Northwesterly rear wall is separating from the adjacent bearing wall of the original building. There is no mechanical attachment of the rear Northwesterly CMU wall into the adjacent block bearing wall thus making a highly unstable condition. Daylight can be seen on the

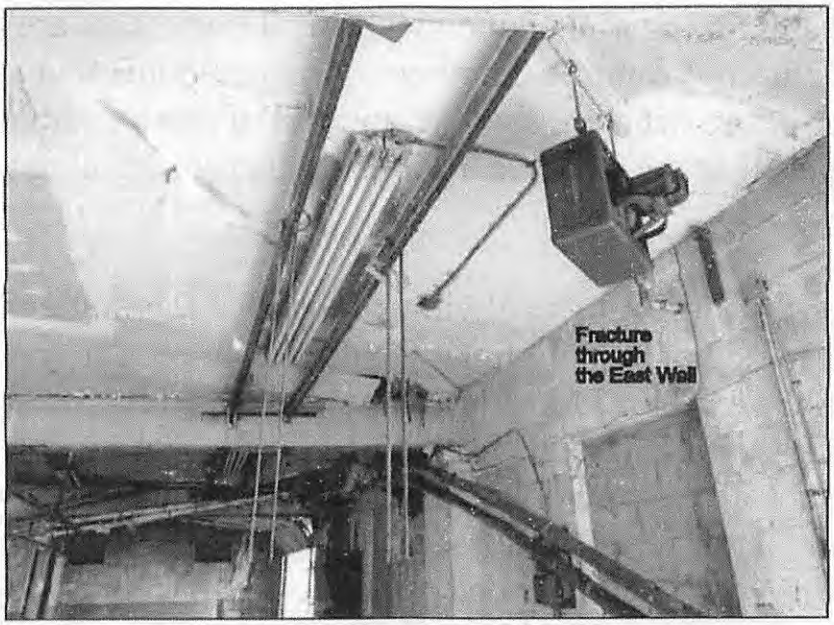
interior portion of the building at this joint interface. The Northwesterly rear wall is highly unstable.



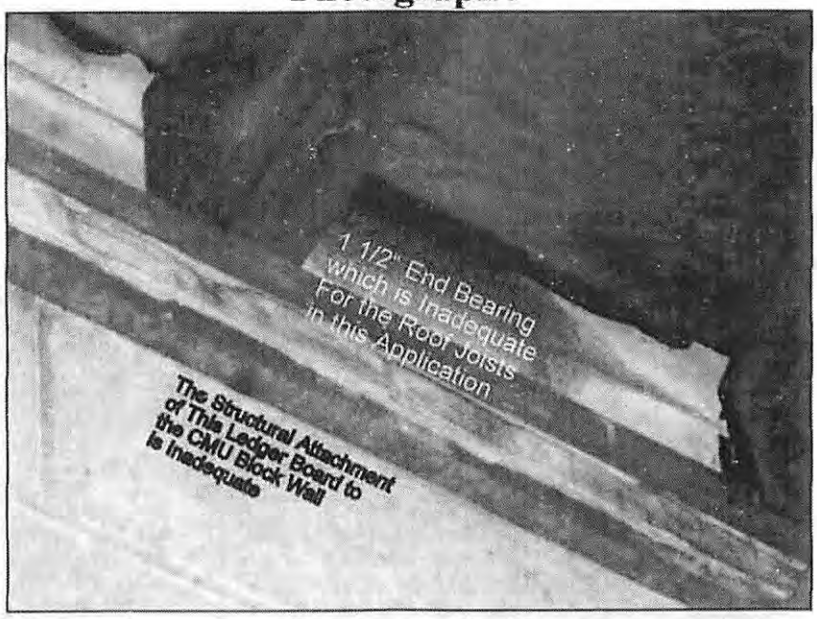
Photograph 8

Photograph 6 shows a typical view of the Northeasterly rear bearing wall. The upper portion of this rear wall is in rotational failure as we indicate earlier in this report. There is extensive water damage and deterioration to the roof framing members.

It shall be noted that there are lag screws connecting heavy mechanical equipment and assorted piping into water saturated and deteriorated roof joist members. Because of the deteriorated nature of the roof framing, some of the mechanical attachments are failing in a pull-out mode of failure thus creating an overhead hazard for falling mechanical framing and devices. Please refer to Photograph 8 for a typical view of the condition of some of the piping and mechanical tracks and devices that we found in these areas. It shall be further noted that any manipulation on the ceiling area could result in failure in the lag screw assembly of the supporting steel tracks, mechanical devices and clevis hangers that are screwed into the roof framing. Overall we find that there is a substantial hazard within the interior of the building for the failure of overhead devices that are secured into the deteriorated roof structure.



Photograph 9



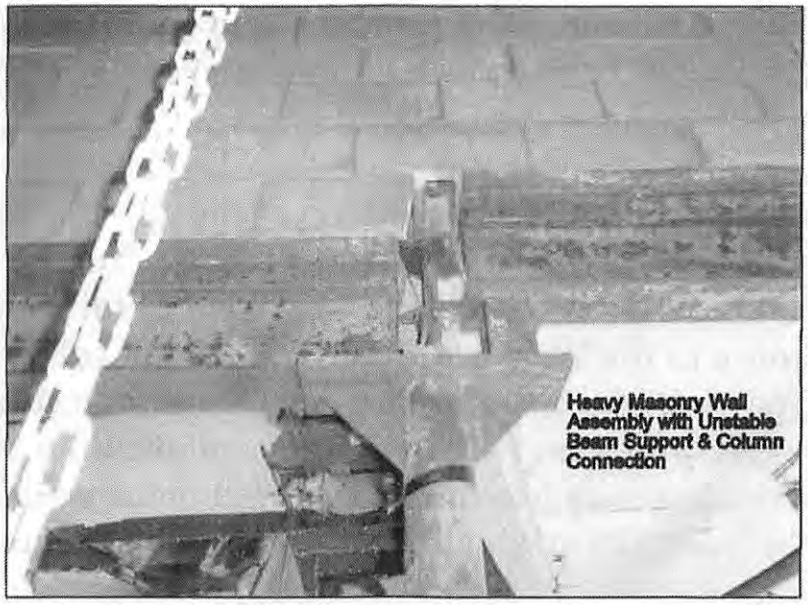
Photograph 10

Photograph 9 was taken on the Easterly side of the original building. There is a vertical fracture crack through the East wall as can be seen in the photograph. This was due to improper reinforcing within this wall section and improper reinforcing of a lintel over a former opening which is also depicted in this photo. We are bringing this to your attention because the entire fracture lies over an unsupported edge of this former

window or door opening. Also shown in the photograph are improperly supported and failing piping and mechanical tracks that are pulling away from wall and roof framing members. Any personnel that are accessing the interior of the structure shall be mindful of these equipment fall hazards as well as the collapse hazards of the roof framing and rear wall assemblies.

Photograph 10 shows a typical view of the roof framing members along the Westerly side of the building. Roof joists are not framed into and bearing on the exterior Westerly concrete block wall. The roof framing members bear on a 2" x 6" leger with 1 ½" end bearing only as depicted in Photograph 10. This is inadequate and structurally deficient for this application. All legers used for structural applications of this type require an epoxy bolted threaded rod either ½" or 5/8" in diameter or if the masonry is reinforced with concrete placed in the interior cores, where expansive concrete bolt anchors can be used for this application. Instead, we find that powder actuated concrete nails were used in this instance which are not appropriate or sufficient to safely support the live and dead loads associated with this roof structure. With the impending snow, this will be problematic for a localized joist bearing failure which will be compounded by the deteriorated roof joist system.

Photograph 11



Photograph 12

In order to obtain clear span openings between the original building and the addition, large wide flange steel beams were inserted to support the upper masonry wall sections of the original structure as shown in Photographs 11 and 12. These are heavy loads imposed on the beam sections, columns and connections. In addition to the weight of the upper concrete block bearing wall, roof framing members from the Westerly addition are supported by this steel beam and column assembly. During the course of our evaluation, we noted that some of the beam and column connections were improperly made and are highly structurally deficient. Eccentric loads have been placed on columns and improper beam shims have been installed as depicted in Photograph 12. These structural deficiencies that we have encountered are a concern because if a localized collapse of roof framing members occurred, this will induce lateral loads and a thrusting action against this masonry wall assembly which is shown in Photograph 11 and will result in a roll-over effect in the beams which are shown in Photograph 12 thus destabilizing the column support assembly. This collapse mechanism is a high hazard condition.

Only authorized personnel are permitted to enter the building and on a strictly limited basis only due to the aforementioned hazardous conditions that we have encountered.

It shall be noted that a partial collapse of the upper rear half of the Northeasterly CMU block bearing wall and the Northwesterly CMU bearing wall building is considered imminent at this time. The adjacent house to the West is occupied. A partial collapse of the Northerly portion of the roof is also considered imminent at this time. This collapse event will induce a destabilization and partial collapse of the beam and column supported block wall assembly that is located between the original building and the addition.

The present condition of the building is considered a hazard to public safety and shall be removed as soon as practicable under the City of Watervliet's Emergency Condemnation Procedures.

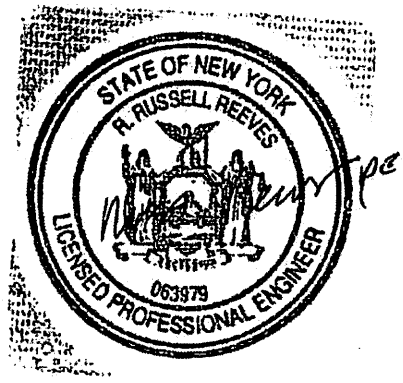
Only a qualified, fully insured contractor shall be selected for this purpose. The contractor is wholly responsible for workers' safety, DOL and OSHA compliance. Access of unauthorized personnel is prohibited due to the hazard classification. Prior to any demolition procedures, all utilities with confirmation shall be terminated at the curb line (water/ sewer), at the power pole (electrical service) and in the street (gas)

If you have any questions please do not hesitate to call.

Very truly yours,

Russ Reeves PE

R. Russell Reeves, CEng., P.E.



cc: Barb Tozzi, Engineering Technician
btozzi3@gmail.com
Reeves Engineering

Joshua Haugh
Engineering Geologist 2 Region 4
Joshua.haugh@dec.ny.gov

STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

Variance Decision Amendment

Premises: Former Admiral Cleaners
617 19th Street
Watervliet, NY 12189

Amendment: Revised Termination Date

File No. 20-0093

DECISION
AMENDMENT

ICR 56

The site-specific variance decision file no. 20-0093 dated January 24, 2020, is hereby revised as follows:

AMENDMENT CONDITIONS

1. The variance's termination date is extended to **July 24, 2020**.

Date: April 3, 2020

APPROVED
April 3, 2020
New York State Dept. of Labor
Engineering Service Unit
Mark G. Wykes, P.E.

Wykes, Mark (LABOR)

From: Craig Petreikis <craigp@alpineenv.com>
Sent: Thursday, April 02, 2020 2:58 PM
To: Wykes, Mark (LABOR)
Cc: Dippel, Melissa (LABOR); Michael Balzano; Davidson, Marianne (LABOR); Smith, Edward A (LABOR)
Subject: 20-0093

Hi all

The remediation on this project has been delayed due to permits, and other regulatory approvals. For that reason, we would like to extend this variance for 3 months. Thanks..

--

Craig Petreikis, PE, CIH,
Director of Operations
Alpine Environmental Services, Inc.
438 New Karner Rd.
Albany, New York 12205
(518) 250-4047, ext. 313
cell (518) 227-1430

APPROVED
April 3, 2020
New York State Dept. of Labor
Engineering Service Unit
Mark G. Wykes, P.E.

Appendix D

Waste Manifests

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25324

NEWS NE / ONTARIO COUNTY LANDFILL

A Division of Casella Waste Systems
1879 NYS Route 5&20
Stanley, NY 14561

10-05-7

Ticket: 899938
Date: 5/8/2020
Time: 08:03:38 - 08:48:32

Customer: LE-01306/JACKSON/22273
Carrier: RIC/RICCELLI
Truck: RIC503-600
Truck Type: DR/DUMP TRAILER
Profile: 22273/WILLIAM MARDEROSIAN
Generator: WILM/WILLIAM MARDEROSIAN
Grid: 9A1/PH-9A1

Comment: 22273/617 19TH

Gross: 77920 L In Scale 1
Tare: 42480 L Out Scale 2
Net: 35440 L

Tons: 17.72

Materials & Services

Origin: AY/ALBANY
Material: BA/BULK ASBESTOS
Quantity: 17.72 Ton
Rate: $0.00/T
Amount: $ 0.00

Total Taxes: $ 0.00
Total Amount: $ 0.00

Weighmaster: NANCY

Driver:

By signing above, I declare that I did NOT deposit any PROHIBITED WASTES

Asbestos Waste Shipment Record Form

503 #22273

§ 61.149

40 CFR Ch. 1 (7-1-00 Edition)

GENERATOR

1. Work site name & mailing address: 617 19th St Watervliet NY 12189	Owner's name: William Marderosian	Phone & Email: 518-855-4399
2. Operator's name & address: Jackson Demolition 397 Anthony St Schenectady NY 12308		Op's phone & Email: 518-374-3366
3. Waste disposal site (WDS) name, mailing address: Ontario Ct Landfill 1879 Rt 5&20 Stanley NY 14561	WDS physical address:	WDS phone & Email:
4. Name and address of responsible agency: EPA Region 2 290 Broadway, New York, NY 10007		
5. Description of materials: ACM No. 9 NA 2212	6. Containers No. 1 Type Bulk	7. Total Quantity M^3 (yd^3) 85 cy

8. Special handling instructions and additional information:

Leave, Wet, Covered

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Name & Title (printed): Jackson Demolition Address & phone: 397 Anthony St Schenectady NY 12308	Signature (by hand):	Date: 5-7-20

TRANSPORTER

10. Transporter 1 (Acknowledgement of receipt of materials):

Name & Title (printed): Action Waste D&N Trucking SM Gallivan Address & phone: 3396 River Rd 1 Wood Rd 9 Crabapple Ln Rensselaer NY Corinth, NY Watervliet NY 12047	Signature (by hand):	Date: 5/8/20

11. Transporter 2 (Acknowledgement of receipt of materials):

Name & Title (printed): Address & phone:	Signature (by hand):	Date:

DISPOSAL SITE

12. Discrepancy indication space:

13. Waste disposal site owner or operator:
Ontario County
Certification of receipt of asbestos materials covered by this manifest except as noted in Box #12

Name & Title (printed): Nancy Ellman Scalis Address & phone: 1879 Rt 5+20, Stanley NY 14561 585-526-4488	Signature (by hand):	Date: 5/8/2020

(continued....see instructions)

RICC 503/600

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number #22273	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
JACKSON DEMOLITION SERVICE
397 HASTINGS ST SCHUYLERVILLE NY
Generator's Phone:

Generator's Site Address (if different than mailing address)
617 19TH ST WATERVLIET NY

6. Transporter 1 Company Name
RICCELI TRUCKING
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ONTARIO COUNTY LANDFILL
1879 RTE 5 & 20 STANLEY NY
Facility's Phone:
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	FRIABLE ACM/CD #NA 2212	1	TRK	85	CY	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
LOADS WET, COVERED

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: PAUL A. REISINGER
Signature:
Month: 5 Day: 7 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MIKE BLOOMFIELD
Signature:
Month: 5 Day: 8 Year: 20

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: NANCY GILLMAN
Signature:
Month: 5 Day: 8 Year: 20

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NEWS NE / ONTARIO COUNTY LANDFILL

A Division of Casella Waste Systems
1879 NYS Route 5&20
Stanley, NY 14561

19-051

Ticket: 899939
Date: 5/8/2020
Time: 08:05:40 - 08:53.53

Customer: LE-01306/JACKSON/22273
Carrier: RIC/RICCELLI
Truck: RIC504-601
Truck Type: DR/DUMP TRAILER
Profile: 22273/WILLIAM MARDEROSIAN
Generator: WILM/WILLIAM MARDEROSIAN
Grid: 9A1/PH-9A1

Comment: 22273/ 617 19TH

Gross: 104120 L In Scale 1
Tare: 41940 L Out Scale 2
Net: 62180 L

Tons: 31.09

Materials & Services

Origin: AY/ALBANY
Material: DA/BULK ASBESTOS
Quantity: 31.09 Ton
Rate: $0.00/T
Amount: $ 0.00

Total Taxes: $ 0.00
Total Amount: $ 0.00

Weighmaster: NANCY

Driver:

By signing above, I declare that I did NOT deposit any PROHIBITED WASTES

****

Asbestos Waste Shipment Record Form

504 #22273

§ 61.149 40 CFR Ch. 1 (7-1-00 Edition)

GENERATOR

1. Work site name & mailing address: 617 19th St Watervilet NY 12189	Owner's name: William Marderosian	Phone & Email: 518-855-4399
2. Operator's name & address: Jackson Demolition 397 Anthony St Schenectady NY 12308		Op's phone & Email: 518-374-3366
3. Waste disposal site (WDS) name, mailing address: Ontario Ct Landfill 1879 Rt 5&20 Stanley NY 14561	WDS physical address:	WDS phone & Email:
4. Name and address of responsible agency: EPA Region 2 290 Broadway, New York, NY 10007		
5. Description of materials: ACM No. 9 NA 2212	6. Containers No. 1 Type Bulk	7. Total Quantity 85 M^3 (yd³) cy

8. Special handling instructions and additional information:

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Name & Title (printed): Jackson Demolition Address & phone: 397 Anthony St Schenectady NY 12308	Signature (by hand): Date: 5-2-20

TRANSPORTER

10. Transporter 1 (Acknowledgement of receipt of materials):

Name & Title (printed): Action Waste D&N Trucking SM Gallivan Address & phone: 3396 River Rd 1 Wood Rd 9 Crabapple Ln Rensselaer NY Corinth, NY Watervliet NY 12047	Signature (by hand) : Date:

11. Transporter 2 (Acknowledgement of receipt of materials):

Name & Title (printed): Riccelli Address & phone: Syracuse David Engle	Signature (by hand): Date: 5/8/20

DISPOSAL SITE

12. Discrepancy Indication space:

13. Waste disposal site owner or operator:
Ontario County
Certification of receipt of asbestos materials covered by this manifest except as noted in Box #12

Name & Title (printed): Randy Gilman Scales Address & phone: 1879 RT 5+20 Stanley NY 14561 585-526-4432	Signature (by hand): Date: 5/8/2020

(continued....see instructions)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: # 22273
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address: Jackson Demolition Service, 397 Anthony St, Schenectady NY
Generator's Site Address (if different than mailing address): 617 19th St, Watervliet NY
Generator's Phone:

6. Transporter 1 Company Name: Rielly Trucking PO Box 6419 Syracuse NY
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Bristol County Landfill, 1879 Rts 5 & 20 Stanley NY
Facility's Phone:
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Friable ACM/C&D #9 NA 2212	1	Trlr	85	CY
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Lined, Wet, Covered

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: [illegible] | Signature: [signature] | Month 5 Day 7 Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Daniel Engle | Signature: [signature] | Month 5 Day 8 Year 20
Transporter 2 Printed/Typed Name | Signature | Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Nancy Gilman | Signature: [signature] | Month 5 Day 8 Year 2020

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NEWB NE / ONTARIO COUNTY LANDFILL

A Division of Casella Waste Systems
1879 NYS Route 5&20
Stanley, NY 14561

10-057

Ticket: 899950
Date: 5/3/2020
Time: 08:50:53 - 09:23:35

Customer: LE-01406/JACKSON/22273
Carrier: RIC/RICCELLI
Truck: RIC508-219
Truck Type: DR/DUMP TRAILER
Profile: 22273/WILLIAM MARDEROSIAN
Generator: WILM/WILLIAM MARDEROSIAN
Grid: 9A1/PH-9A1

Comment: 22273/617987

Gross: 95480 L In Scale 1
Tare: 41800 L Out Scale 2
Net: 53680 L

Tons: 26.84

Materials & Services

Origin: AY/ALBANY
Material: BA/BULK ASBESTOS
Quantity: 26.84 Ton
Rate: $0.00/T
Amount: $ 0.00

Total Taxes: $ 0.00
Total Amount: $ 0.00

Weighmaster: NANCY

Driver:

By signing above, I declare that I did NOT deposit any PROHIBITED WASTES

****

Asbestos Waste Shipment Record Form

508

#22273

§ 61.149

40 CFR Ch. 1 (7-1-00 Edition)

GENERATOR

1. Work site name & mailing address: 617 19th St Watervliet NY 12189	Owner's name: William Marderosian	Phone & Email: 518-855-4399
2. Operator's name & address: Jackson Demolition 397 Anthony St Schenectady NY 12308		Op's phone & Email: 518-374-3366
3. Waste disposal site (WDS) name, mailing address: Ontario Ct Landfill 1879 Rt 5&20 Stanley NY 14561	WDS physical address:	WDS phone & Email:
4. Name and address of responsible agency: EPA Region 2 290 Broadway, New York, NY 10007		
5. Description of materials: ACM No. 9 NA 2212	6. Containers No. 1 Type Bulk	7. Total Quantity M³ (yd³) 85 cy

8. Special handling instructions and additional information:

Lined, WET, Lugged

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Name & Title (printed): Jackson Demolition	Signature (by hand):	Date: 5-7-20
Address & phone: 397 Anthony St Schenectady NY 12308		

TRANSPORTER

10. Transporter 1 (Acknowledgement of receipt of materials):

Name & Title (printed): Action Waste D&N Trucking SM Gallivan	Signature (by hand):	Date:
Address & phone: 3396 River Rd 1 Wood Rd 9 Crabapple Ln Rensselaer NY Corinth, NY Watervliet NY 12047		5-7-20

11. Transporter 2 (Acknowledgement of receipt of materials):

Name & Title (printed):	Signature (by hand):	Date:
Address & phone:		5-8-20

DISPOSAL SITE

12. Discrepancy Indication space:

13. Waste disposal site owner or operator: Ontario County

Certification of receipt of asbestos materials covered by this manifest except as noted in Box #12

Name & Title (printed): Nancy Gilman, Scales	Signature (by hand):	Date: 5/8/2020
Address & phone: 1879 Rt 5 & 20 Stanley NY 14561 585-526-4488		

(continued....see instructions)

GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number # 22773	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

5. Generator's Name and Mailing Address: Jackson Demolition Service, 397 Anthony St Schenectady NY

Generator's Site Address (if different than mailing address): 617 19th St Watervliet NY

Generator's Phone:

6. Transporter 1 Company Name: Riccelli Trucking PO Box 6419 Syracuse NY — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Ontario County Landfill, 1879 Rtes 5+20 Stanley NY — U.S. EPA ID Number:

Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Friable ACM/C+D #GNA2212	1	Truck	85	cy
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Lined Covered Wet

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Paul A. Reisinger — Signature: [signature] — Month 5 Day 7 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Lisa Calkins — Signature: [signature] — Month 5 Day 7 Year 20

Transporter 2 Printed/Typed Name — Signature — Month 5 Day 8 Year 20

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nancy Gilma — Signature: [signature] — Month 5 Day 8 Year 2020

169-BLS-C 5 11979 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

NEWS NE / ONTARIO COUNTY LANDFILL

A Division of Casella Waste Systems
1879 NYS Route 5&20
Stanley, NY 14561

Ticket: 900026
Date: 5/8/2020
Time: 12:52:53 14:12:01

Customer: LE-OT306/JACKSON/22273
Carrier: RTC/RICCELLI
Truck: RTC533-222
Truck Type: DR/DUMP TRAILER
Profile: 22273/WILLIAM MARDEROSIAN
Generator: WILM/WILLIAM MARDEROSIAN
Grid: 9A1/PH-9A1

Comment: 22273/617 19th

19-054

Gross: 116880 L In Scale 1
Tare: 43040 L Out Scale 2
Net.: 75840 L

Tons: 37.92

Materials & Services

Origin: AY/ALBANY
Material: BA/BULK ASBESTOS
Quantity: 37.92 Ton
Rate: $0.00/T
Amount: $ 0.00

Total Taxes: $ 0.00
Total Amount: $ 0.00

Weighmaster: NANCY

Driver:

By signing above, I declare that I did NOT deposit any PROHIBITED WASTES

****

533

Asbestos Waste Shipment Record Form

#22273

§ 61.149

40 CFR Ch. 1 (7-1-00 Edition)

GENERATOR

1. Work site name & mailing address: 617 19th St Watervliet NY 12189	Owner's name: William Marderosian	Phone & Email: 518-855-4399
2. Operator's name & address: Jackson Demolition 397 Anthony St Schenectady NY 12308		Op's phone & Email: 518-374-3366
3. Waste disposal site (WDS) name, mailing address: Ontario Ct Landfill 1879 Rt 5&20 Stanley NY 14561	WDS physical address:	WDS phone & Email:
4. Name and address of responsible agency: EPA Region 2 290 Broadway, New York, NY 10007		
5. Description of materials: ACM No. 9 NA 2212	6. Containers No. 1 Type Bulk	7. Total Quantity M³ (yd³) 85 cy

8. Special handling instructions and additional information:
Lined, wet, covered

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Name & Title (printed): Jackson Demolition Address & phone: 397 Anthony St Schenectady NY 12308	Signature (by hand): [signature] Date: 5-8-20

TRANSPORTER

10. Transporter 1 (Acknowledgement of receipt of materials):

Name & Title (printed): Action Waste / D&N Trucking / SM Gallivan Address & phone: 3396 River Rd, Rensselaer NY / 1 Wood Rd, Corinth, NY / 9 Crabapple Ln, Watervliet NY 12047	Signature (by hand): [signature] Date: 5-8-20

11. Transporter 2 (Acknowledgement of receipt of materials):

Name & Title (printed): Address & phone:	Signature (by hand): Date:

DISPOSAL SITE

12. Discrepancy indication space:

13. Waste disposal site owner or operator:
Ontario County

Certification of receipt of asbestos materials covered by this manifest except as noted in Box #12

Name & Title (printed): Nancy Gilman Scales Address & phone: 1879 Rt 5+20, Stanley NY 14561 585-526-4420	Signature (by hand): [signature] Date: 5/8/2020

(continued....see instructions)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: # 22213

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address: Jackson Demolition Service, 397 Anthony St Schenectady NY

Generator's Site Address (if different than mailing address): 617 19th St Watervliet NY

Generator's Phone:

6. Transporter 1 Company Name: Riccelli Trucking PO Box 6419 Syracuse NY — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Ontario County Landfill, 1879 Rts 5+20 Stanley NY — U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Friable ACM/C&D # 9A2212	1	Trlr	85	CY
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Lined, Wet, Covered

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Paul A. Rosinski — Signature: [signature] — Month 5 Day 8 Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Linebell — Signature: [signature] — Month 5 Day 8 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nancy Gilman — Signature: [signature] — Month 5 Day 8 Year 2020

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NEWS NE / ONTARIO COUNTY LANDFILL

A Division of Casella Waste Systems
1879 NYS Route 5&20
Stanley, NY 14561

19-0774

Ticket: 900031
Date: 5/8/2020
Time: 12:55:16 - 13:21:14

Customer: LE-01306/JACKSON/22273
Carrier: RIC/RICCELLI
Truck: RIC529-218
Truck Type: DR/DUMP TRAILER
Profile: 22273/WILLIAM MARDEROSIAN
Generator: WILM/WILLIAM MARDEROSIAN
Grid: 9A1/PH-9A1

Comment: 22273/617 19TH

Gross: 111300 L In Scale 1
Tare: 44200 L Out Scale 2
Net: 67100 L

Tons: 33.55

Materials & Services

Origin: AY/ALBANY
Material: BA/BULK ASBESTOS
Quantity: 33.55 Ton
Rate: $0.00/T
Amount: $ 0.00

Total Taxes: $ 0.00
Total Amount: $ 0.00

Weighmaster: NANCY

Driver:

By signing above, I declare that I did NOT deposit any PROHIBITED WASTES

Asbestos Waste Shipment Record Form

529 #22273

§ 61.149

40 CFR Ch. 1 (7-1-00 Edition)

GENERATOR

1. Work site name & mailing address: 617 19th St Watervliet NY 12189	Owner's name: William Marderosian	Phone & Email: 518-855-4399
2. Operator's name & address: Jackson Demolition 397 Anthony St Schenectady NY 12308		Op's phone & Email: 518-374-3366
3. Waste disposal site (WDS) name, mailing address: Ontario Ct Landfill 1879 Rt 5&20 Stanley NY 14561	WDS physical address:	WDS phone & Email:
4. Name and address of responsible agency: EPA Region 2 290 Broadway, New York, NY 10007		
5. Description of materials: ACM No. 9 NA 2212	6. Containers No. 1 Type Bulk	7. Total Quantity M^3 (yd^3) 85 cy

8. Special handling instructions and additional information:

Gloves, Mist, Covers

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Name & Title (printed): Jackson Demolition Address & phone: 397 Anthony St Schenectady NY 12308	Signature (by hand): Date: 5-8-20

TRANSPORTER

10. Transporter 1 (Acknowledgement of receipt of materials):

Name & Title (printed): Action Waste D&N Trucking SM Gallivan Address & phone: 3396 River Rd 1 Wood Rd 9 Crabapple Ln Rensselaer NY Corinth, NY Watervliet NY 12047	Signature (by hand) : Date:

11. Transporter 2 (Acknowledgement of receipt of materials):

Name & Title (printed): Riccelli Ent. 315-433-5115 Address & phone: 6131 TAFT Rd, Syr.	Signature (by hand): Date: 5-8-20

DISPOSAL SITE

12. Discrepancy indication space:

13. Waste disposal site owner or operator:
Ontario County
Certification of receipt of asbestos materials covered by this manifest except as noted in Box #12

Name & Title (printed): Nancy Gilman Sales Address & phone: 1879 Rt 5+20, Stanley NY 14561 585-526-4430	Signature (by hand): Date: 5/8/2020

(continued....see instructions)

529

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number #32273	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

5. Generator's Name and Mailing Address: Jackson Demolition Service, 391 Anthony St. Schenectady NY

Generator's Site Address (if different than mailing address): 617 Rte 81 Watervliet NY

Generator's Phone:

6. Transporter 1 Company Name: Ricelli Trucking PO Box 6419 Syracuse NY — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Ontario County Landfill, 1879 Rtes 5+20 Stanley NY — U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Friable ACM/CAD #9NA2212	1	Trlr	85	CY
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Lined, wet, covered

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Paul A. Reisinger — Signature: [signature] — Month 5 Day 8 Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jesse Dickenson — Signature: [signature] — Month 5 Day 8 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nancy Gilman — Signature: [signature] — Month 5 Day 8 Year 2020

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

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Appendix E

Plumbness Monitoring

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EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

PLUMBNESS/LEVELNESS MONITORING FORM

Location:	**EA Inspector:**	**Client:**
621 19th Street, Watervliet, NY	Mike Wright	NYSDEC
Duration:	**Reasoning:**	**Building Owner:**
5/4/2020 to 5/11/2020	Demolition of adjacent building	Anthony Gagliardi

Monitoring Methods

1) Exterior- Plumbness of south, east, and north exterior walls approximately five feet above grade using digital level

2) Basment- Plumbness of support pier and east foundation wall using digital level

3) Interior- Levelness of first and second floors along the east wall using digital level

4) Crack Monitoring- Monitor major cracks within the buildings foundation using a crack gauge

Daily Measurments

Measurment #	Measument Location	5/4/2020	5/5/2020	5/6/2020	5/7/2020	5/8/2020	5/11/2020
1	Exterior southeast corner - south (degrees)	89.02	89.03	89.02	88.97	88.99	89.01
2	Exterior southeast corner - east (degrees)	89.14	89.32	89.21	89.12	89.19	89.15
3	Exterior east wall (degrees)	88.13	88.23	88.21	88.28	88.18	88.16
4	Exterior northeast corner - east (degrees)	88.94	88.94	88.93	88.94	88.93	88.93
5	Exterior northeast corner - north (degrees)	88.55	88.63	88.61	88.56	88.57	88.59
6	Interior first floor - south (degrees)	0.46	0.58	0.59	0.60	0.57	0.53
7	Interior first floor - center (degrees)	0.14	0.04	0.04	0.06	0.05	0.06
8	Interior first floor - north (degrees)	1.66	1.66	1.59	1.55	1.60	1.63
9	Interior first floor wall separation (inches)	5	5	5	5	5	5
10	Interior second floor - south (degrees)	0.34	0.28	0.23	0.20	0.25	0.27
11	Interior second floor - center (degrees)	0.30	0.39	0.50	0.49	0.44	0.41
12	Interior second floor - north (degrees)	1.71	1.75	1.62	1.69	1.70	1.72
13	Basement east foundation wall - center (degrees)	87.81	88.25	88.48	88.81	88.71	88.65
14	Basement support tier - south (degrees)	88.99	88.52	88.19	88.53	88.33	88.61
15	Basement west foundation crack (mm)	3.5	3.5	3.5	3.5	3.5	3.5
16	Basement north foundation crack (mm)	4.5	4.5	4.5	4.5	4.5	4.5

COMMENTS AND OBSERVATIONS: Throughout the duration of the monitoring during pre-demolition, demolition, and post demolition activities, the building experience no movement.

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Appendix F

Third-Party Asbestos Monitoring Report

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REPORT OF ASBESTOS AIR/PROJECT MONITORING

Location of Project:	Former Admiral Cleaners 617 19th Street Watervliet, New York 12189
Client:	Precision Environmental 831 State Route 67 Ballston Spa, New York 12020
Alpine Project #:	19-24157-A
Material or Area of Abatement:	Entire Structure
Asbestos Removed:	Friable Demolition
Dates of Abatement:	May 4th – 11th, 2020
Abatement Contractor:	Jackson Demolition
Monitoring Performed By:	Alpine Environmental Services, Inc. 438 New Karner Road Albany, New York 12205 Phone (518) 250-4047
Technician(s):	Gered Burns

Scope and Purpose

This report is intended to document asbestos air/project monitoring associated with the abatement performed at the above address.

Air samples were analyzed by Phase Contrast Microscopy (PCM). Alpine Environmental Services, Inc (ELAP# 11740) analyzed PCM samples. All sampling via PCM followed NIOSH 7400 Method. NYSDOL defines acceptable air results to be less than 0.010 f/cc or the background levels, whichever is greater. These results can be found in the far right column of the attached Air Sample Data Reports.

Limitations
Alpine was hired to perform air/project monitoring services only. Clearance sampling, as required by 12 NYCRR 56 and site specific variance (file # 20-0093), was performed by Alpine to determine airborne fiber concentrations during abatement.

Asbestos materials abated were limited to the materials listed below.

Air Sample Results
Clearance air samples were taken on May 11th, 2020 and fiber concentrations were found to be below the limits set forth by NYSDOL ICR 56.

Asbestos Materials Removed
Summary of asbestos abatement:

Friable Demolition	>1,000 Square Feet

Conclusion
In the event renovation or demolition reveals previously unidentified suspect asbestos materials, Alpine should be contacted immediately for verification and all aspects of 12 NYCRR56 must be followed.

If Alpine can be of any further assistance to you on this matter, please contact me at (518) 250-4047 Ext 307.

Sincerely,
Alpine Environmental Services, Inc.

Michael Balzano
Field Operations Manager

Enclosure: Air Sample Results, Logs & Certificate of Visual Inspection.

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. | PROJECT: FORMER ADMIRAL CLEANERS | PROJECT # 19-24157-A

ADDRESS: 617 19TH ST. WATERVLIET, NY | LAB# 448

ROTAMETER #: 1101 | WORK AREA: ENTIRE STRUCTURE | COLLECTED BY: G. BURNS

ABATEMENT CONTRACTOR: JACKSON | DATE COLLECTED: 05-04-20

CONTRACTOR SUPERVISOR: JACK | QUANTITY: >1,000 SF FRIABLE DEMO

(Circle One) PCM TEM | (Circle One) BACKGROUND PRE DURING FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
1	3311	DECON	1015	1515	300	5 / 5	1500	0/100	0.00	<.002*	
2	3312	AMBIENT	1015	1515		5 / 5		0/100	0.00	<.002*	
3	3313	UP WIND 1	1016	1516		5 / 5		4/100	5.20	<.002*	
4	3314	UP WIND 2	1017	1517		5 / 5		4.5/100	5.85	<.002*	
5	3315	CRITICAL 1	1019	1519		5 / 5		2/100	2.60	<.002*	5.20
6	3316	DOWN WIND 1	1020	1520		5 / 5		0/100	0.00	<.002*	
7	3317	DOWN WIND 2	1022	1522		5 / 5		1/100	1.30	<.002*	
8	3318	DOWN WIND 3	1022	1522		5 / 5		1/100	1.30	<.002*	
9	3319	CRITICAL 2	1024	1524		5 / 5		0/100	0.00	<.002*	
10	3320	IWA	1025	1525	↓	5 / 5	↓	0/100	0.00	<.002*	3.90
11	B1	B-1						<5.5/100	47.00	—	
12	B2	B-2						<5.5/100	47.00	—	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/6/20	0800	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/6/20	1145	NICK DAVEY	5/6/20	1300	1340

[X]* Below the limit of Detection [ ]** > 50% Particulate Matter, Unreadable [ ]*** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log# 3315	/ Standard Dev BDL	Log# 3320	/Standard Dev BDL	Log#	/ Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.

Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested. Samples received in good condition and meet lab acceptance criteria unless otherwise noted.

Report may not be reproduced, except in full, without written permission of Alpine Environmental.

BDL = Below Detectable Limits

QC X Signed X Scanned X DOL ___

5/8/20

Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. | PROJECT: FORMER ADMIRAL CLEANERS | PROJECT #: 19-24157-A

ADDRESS: 617 19TH ST. WATERVLIET, NY | LAB#: 449

ROTAMETER #: 1101 | WORK AREA: ENTIRE STRUCTURE | COLLECTED BY: G. BURNS

ABATEMENT CONTRACTOR: JACKSON DEMO | DATE COLLECTED: 05-05-20

CONTRACTOR SUPERVISOR: PAUL | QUANTITY: >1,000 SF FRIABLE DEMO

(Circle One) PCM TEM | (Circle One) BACKGROUND PRE DURING FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
1	3321	DECON	0720	1510	470	5 / 5	2350	8/100	10.4	.002	
2	3322	AMBIENT	0720	1510		5 / 5		1/100	1.30	<.001*	
3	3323	UPWIND 1	0721	1511		5 / 5		2/100	2.60	<.001*	
4	3324	UPWIND 2	0721	1511		5 / 5		0/100	0.00	<.001*	
5	3325	CRITICAL 1	0722	1512		5 / 5		4/100	5.20	<.001*	5.20
6	3326	CRITICAL 2	0724	1514		5 / 5		2/100	2.60	<.001*	
7	3327	IWA	0725	1515		5 / 5		2/100	2.60	<.001*	
8	3328	DOWN WIND 1	0727	1517		5 / 5		2/100	2.60	<.001*	
9	3329	DOWN WIND 2	0727	1517		5 / 5		0/100	0.00	<.001*	
10	3330	DOWN WIND 3	0728	1518		5 / 5		0/100	0.00	<.001*	1.30
11	3331	621 19TH FRONT	0729	1519		5 / 5		2/100	2.60	<.001*	
12	3332	621 19TH BACK	0730	1520		5 / 5		0/100	0.00	<.001*	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/6/20	0804	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/6/20	1204	NICK DAVEY	5/6/20	1350	1440

[ ] * Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log# 3325	/ Standard Dev BDL	Log# 3330	/Standard Dev BDL	Log#	/ Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.

Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.

Samples received in good condition and meet lab acceptance criteria unless otherwise noted.

Report may not be reproduced, except in full, without written permission of Alpine Environmental.

BDL = Below Detectable Limits

QC ✓ Signed ✓ Scanned ✓ DOL ___

5/8/20

Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT # 19-24157-A

ADDRESS: " LAB# 449

ROTAMETER #: 1101 WORK AREA: " COLLECTED BY: G. BORNS

ABATEMENT CONTRACTOR: JACKSON DEMO " DATE COLLECTED: 05-05-20

CONTRACTOR SUPERVISOR: PAUL QUANTITY: "

(Circle One) PCM TEM (Circle One) BACKGROUND PRE DURING FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
13	B1	B-1						5.5/100	7.00	—	
14	B2	B-2						5.5/100	7.00	—	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/6/20	0804	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/6/20	1204	NICK DAVEY	5/6/20	1350	1440

[X] * Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log# / Standard Dev	Log# /Standard Dev	Log# / Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
Samples received in good condition and meet lab acceptance criteria unless otherwise noted.
Report may not be reproduced, except in full, without written permission of Alpine Environmental.

BDL = Below Detectable Limits
QC X Signed X Scanned X DOL ___

5/8/20
Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine Inc. ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT # 19-24157-A

ADDRESS: 617 19TH ST. WATERVLIET, NY LAB# 450

ROTAMETER #: 1101 WORK AREA: ENTIRE STRUCTURE COLLECTED BY: G. BURNS

ABATEMENT CONTRACTOR: JACKSON DEMO DATE COLLECTED: 05-06-20

CONTRACTOR SUPERVISOR: PAUL R. QUANTITY: >1,000 SF FRIABLE DEMO

(Circle One) ECM TEM (Circle One) BACKGROUND PRE (DURING) FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
1	3333	DECON IN	0710	1310	360	5 / 5	1800	4/100	5.20	<.001 *	
2	3334	AMBIENT	0710	1310		5 / 5		2/100	2.60	<.001 *	
3	3335	UP WIND 1	0711	1311		5 / 5		2.5/100	3.25	<.001 *	5.20
4	3336	UP WIND 2	0711	1311		5 / 5		7/100	9.09	.002	
5	3337	CRITICAL 1	0712	1312		5 / 5		7/100	9.09	.002	
6	3338	DOWN WIND 1	0713	1313		5 / 5		2/100	2.60	<.001 *	
7	3339	DOWN WIND 2	0714	1314		5 / 5		6/100	7.79	.002	
8	3340	DOWN WIND 3	0715	1315		5 / 5		2/100	2.60	<.001 *	6.50
9	3341	CRITICAL 2	0716	1316		5 / 5		5/100	6.50	<.001 *	
10	3342	JWA	0717	1317		5 / 5		1/100	1.30	<.001 *	
11	3343	621 19TH FRONT	0718	1318		5 / 5		2/100	2.60	<.001 *	
12	3344	621 19TH BACK	0720	1320		5 / 5		9/100	11.7	.003	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/6/20	1441	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/6/20	1500	NICK DAVEY	5/7/20	0800	0855

[ ]* Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [ ] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.000012mm²)

Standard Deviation	Log#	/ Standard Dev	Log#	/Standard Dev	Log#	/ Standard Dev
	3335	BDL	3340	BDL		

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
Samples received in good condition and meet lab acceptance criteria unless otherwise noted.

BDL = Below Detectable Limits
QC ✓ Signed ✓ Scanned ✓ DOL ___

5/11/20
Nick Davey, Lab QA/QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT # 19-24157-A

ADDRESS: " LAB# 450

ROTAMETER #: 110 (WORK AREA: " COLLECTED BY: G BURNS

ABATEMENT CONTRACTOR: JACKSON DEMO " DATE COLLECTED: 05-06-20

CONTRACTOR SUPERVISOR: PAUL R. QUANTITY: "

(Circle One) (PCM) TEM (Circle One) BACKGROUND PRE (DURING) FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
13	B1	B-1						6.5/100	<7.00	—	
14	B2	B-2						5.5/100	<7.00	—	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/6/20	1441	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/6/20	1500	NICK DAVEY	5/7/20	0800	0855

[X] * Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log#	/ Standard Dev	Log#	/Standard Dev	Log#	/ Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
Samples received in good condition and meet lab acceptance criteria unless otherwise noted.

BDL = Below Detectable Limits
QC Signed Scanned DOL

5/11/20
Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT # 19-24157-A

ADDRESS: 617 19TH ST. WATERVLIET, NY LAB# 463

ROTAMETER #: 1101 WORK AREA: ENTIRE STRUCTURE COLLECTED BY: G. BORNS

ABATEMENT CONTRACTOR: JACKSON DATE COLLECTED: 05-07-20

CONTRACTOR SUPERVISOR: PAUL R. QUANTITY: 71,000 SF FRIABLE DEMO

(Circle One) PCM TEM (Circle One) BACKGROUND PRE DURING FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
1	3442	DECON	0720	1520	480	5 / 5	2400	6/100	7.79	.001	
2	3443	AMBIENT	0720	1520		5 / 5		0/100	0.00	<.001*	
3	3444	UP WIND 1	0721	1521		5 / 5		10/100	13.0	.002	
4	3445	UP WIND 2	0721	1521		5 / 5		10/100	13.0	.002	10.4
5	3446	CRITICAL 1	0722	1522		5 / 5		2/100	2.60	<.001*	
6	3447	611 19TH SIDE	0723	1523		5 / 5		6/100	7.79	.001	
7	3448	DOWN WIND 1	0724	1524		5 / 5		5/100	6.50	<.001*	
8	3449	DOWN WIND 2	0725	1525		5 / 5		4/100	5.20	<.001*	
9	3450	DOWN WIND 3	0726	1526		5 / 5		6/100	7.79	.001	10.4
10	3451	CRITICAL 2	0727	1527		5 / 5		14/100	18.2	.003	
11	3452	IWA	0728	1528		5 / 5		6/100	7.79	.001	
12	3453	621 19TH FRONT	0729	1529		5 / 5		11/100	14.3	.002	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/7/20	1609	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/8/20	1132	NICK DAVEY	5/8/20	1253	1350

[X]* Below the limit of Detection [X]** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log# 3445	/ Standard Dev .344	Log# 3450	/Standard Dev .344	Log#	/ Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
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BDL = Below Detectable Limits
QC ✓ Signed ✓ Scanned ✓ DOL ✓

5/11/20

Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine Inc.
ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV | PROJECT: FORMER ADMIRAL CLEANER | PROJECT # 19-24157-A

ADDRESS: " | LAB# 463

ROTAMETER #: 1101 | WORK AREA: " | COLLECTED BY: G. BURNS

ABATEMENT CONTRACTOR: JACKSON | " | DATE COLLECTED: 05-07-20

CONTRACTOR SUPERVISOR: PAUL R. | QUANTITY: "

(Circle One) PCM TEM | (Circle One) BACKGROUND PRE DURING FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
13	3454	621 19TH BACK	0730	1530	480	5 / 5	2400	**	**	**	
14	B1	B-1	/	/	/	/	/	<5.5/100	<7.00	—	
15	B2	B-2	/	/	/	/	/	<5.5/100	<7.00	—	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/7/20	1609	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/8/20	1132	NICK DAVEY	5/8/20	1253	1350

[X] * Below the limit of Detection [X] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log#	/ Standard Dev	Log#	/Standard Dev	Log#	/ Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019. Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.

Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.

Samples received in good condition and meet lab acceptance criteria unless otherwise noted.

BDL = Below Detectable Limits

QC X Signed X Scanned X DOL X

5/11/20

Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT # 19-24157-A

ADDRESS: 617 19TH ST. WATERVLIET, NY LAB# 468

ROTAMETER #: 1101 WORK AREA: ENTIRE STRUCTURE COLLECTED BY: G. BURNS

ABATEMENT CONTRACTOR: JACKSON DEMO DATE COLLECTED: 05-08-20

CONTRACTOR SUPERVISOR: PAUL R. QUANTITY: 71,000 SF FRIABLE DEMO

(Circle One) (PCM) TEM (Circle One) BACKGROUND PRE (DURING) FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
1	3494	DECON	0730	1530	480	5 / 5	2400	6/100	7.79	.001	
2	3495	AMBIENT	0730	1530		5 / 5		4/100	5.20	<.001*	3.90*
3	3496	UP WIND 1	0731	1531		5 / 5		2/100	2.60	<.001*	
4	3497	UP WIND 2	0732	1532		5 / 5		7/100	9.09	.001	
5	3498	CRITICAL 1	0733	1533		5 / 5		0/100	0.00	<.001*	
6	3499	611 19TH SIDE	0733	1533		5 / 5		1/100	1.30	<.001*	
7	3500	DOWN WIND 1	0734	1534		5 / 5		0/100	0.00	<.001*	0.65*
8	3501	DOWN WIND 2	0735	1535		5 / 5		0/100	0.00	<.001*	
9	3502	DOWN WIND 3	0736	1536		5 / 5		2/100	2.60	<.001*	
10	3503	CRITICAL 2	0737	1537		5 / 5		2/100	2.60	<.001*	
11	3504	IWA	0737	1537		5 / 5		0/100	0.00	<.001*	
12	3505	621 19TH FRONT	0739	1539		5 / 5		0/100	0.00	<.001*	1.30*

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/11/20	0900	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/12/20	1100	NICK DAVEY	5/12/20	1115	1215

[X]* Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [ ] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log#	/ Standard Dev	Log#	/Standard Dev	Log#	/ Standard Dev
	3495	BDL	3500	BDL	3505	BDL

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
Samples received in good condition and meet lab acceptance criteria unless otherwise noted.
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BDL = Below Detectable Limits
QC ✓ Signed ✓ Scanned ✓ DOL ___

5/14/20

Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT # 19-24157-A

ADDRESS: 617 19TH ST. WATERVLIET, NY LAB# 468

ROTAMETER #: 1101 WORK AREA: " COLLECTED BY: G. BURNS

ABATEMENT CONTRACTOR: JACKSON DATE COLLECTED: 05-08-20

CONTRACTOR SUPERVISOR: PAUL R. QUANTITY: "

(Circle One) (PCM) TEM (Circle One) BACKGROUND PRE (DURING) FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
13	3506	621 19TH BACK	0740	1540	480	5 / 5	2400	3/100	3.90	<.001*	
14	B1	B-1						<5.5/100	<7.00	—	
15	B2	B-2						<5.5/100	<7.00	—	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/11/20	0900	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/12/20	1100	NICK DAVEY	5/12/20	1115	1215

[ ]* Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log#	/ Standard Dev	Log#	/Standard Dev	Log#	/ Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
Samples received in good condition and meet lab acceptance criteria unless otherwise noted.
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BDL = Below Detectable Limits
QC X Signed X Scanned X DOL ___

5/14/20
Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT #19-24157-A

ADDRESS: 617 19TH ST. WATERVLIET, NY LAB# 467

ROTAMETER #: 1101 WORK AREA: ENTIRE STRUCTURE COLLECTED BY: B. BURNS

ABATEMENT CONTRACTOR: JACKSON DATE COLLECTED: 05-11-20

CONTRACTOR SUPERVISOR: PAUL R. QUANTITY: > 1,000 SF FRIABLE DEMO

(Circle One) PCM TEM (Circle One) BACKGROUND PRE DURING FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
1	3481	DECON	0720	1100	220	10 / 10	2200	4/100	5.20	<.001 *	
2	3482	AMBIENT	0720	1100		10 / 10		0/100	0.00	<.001 *	
3	3483	UP WIND 1	0721	1101		10 / 10		1.5/100	1.95	<.001 *	
4	3484	UP WIND 2	0721	1101		10 / 10		0.5/100	0.65	<.001 *	
5	3485	CRITICAL 1	0722	1102		10 / 10		6/100	7.79	.001	3.90
6	3486	DOWN WIND 1	0723	1103		10 / 10		4/100	5.20	<.001 *	
7	3487	DOWN WIND 2	0724	1104		10 / 10		13/100	16.9	.003	
8	3488	DOWN WIND 3	0725	1105		10 / 10		4/100	5.20	<.001 *	
9	3489	611 19ST SIDE	0725	1105		10 / 10		8/100	10.4	.002	
10	3490	CRITICAL 2	0727	1107		10 / 10		6/100	7.79	.001	11.7
11	3491	IWA	0728	1108		10 / 10		2/100	2.60	<.001 *	
12	3492	621 19ST FRONT	0729	1109		10 / 10		2/100	2.60	<.001 *	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/11/20	1153	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/11/20	1210	NICK DAVEY	5/11/20	1250	1345

[X] * Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log#	/ Standard Dev	Log#	/Standard Dev	Log#	/ Standard Dev
	3485	BDL	3490	.399		

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
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BDL = Below Detectable Limits
QC ✓ Signed ✓ Scanned ✓ DOL ___

5/13/20
Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

Alpine ENVIRONMENTAL SERVICES

AIR SAMPLE DATA REPORT

CLIENT: PRECISION ENV. PROJECT: FORMER ADMIRAL CLEANERS PROJECT # 19-24157-A

ADDRESS: — LAB# 467

ROTAMETER #: 1101 WORK AREA: — COLLECTED BY: G. BURNS

ABATEMENT CONTRACTOR: JACKSON DATE COLLECTED: 05-11-20

CONTRACTOR SUPERVISOR: PAUL R. QUANTITY: —

(Circle One) PCM TEM (Circle One) BACKGROUND PRE DURING FINAL QC

SAMPLE NO.	LOG NO.	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL MIN.	INITIAL FLOW (L/MIN) / FINAL FLOW (L/MIN)	TOTAL VOLUME (LITERS)	FIBERS / FIELDS	FIBERS / mm²	FIBERS / cc	QC
13	3493	621 19TH ST. BACK	0730	1110	220	10 / 10	2200	2 / 100	2.60	0.001	
14	B1	B-1						5.5 / 100	7.00	—	
15	B2	B-2						5.5 / 100	7.00	—	

RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Comments: FB Ave.= 0 fibers/100fields
1.	2.	5/11/20	1153	
3.	4.			

LOGGED IN & PREPPED BY:	DATE:	TIME:	SAMPLES ANALYZED BY:	DATE:	START TIME:	STOP TIME:
NICK DAVEY	5/11/20	1210	NICK DAVEY	5/11/20	1250	1345

[X] Below the limit of Detection [ ] ** > 50% Particulate Matter, Unreadable [ ] *** Sample Damaged or Missing

Microscope Used: [X] Olympus CH27L0215 (Field Area = 0.007698mm²) [ ] Nikon 131-545 (Field Area = 0.008012mm²)

Standard Deviation	Log#	/ Standard Dev	Log#	/Standard Dev	Log#	/ Standard Dev

NYS DOH ELAP# 11740; Analytical method used: NIOSH 7400 A Rules, Issue 3: 29 April 2019, revised 14 June 2019.
Doc. # ASDR-824, Rev. 5, 10/14/19.

Lab RSD: 5-20 fibers (Low), 20.5-50 fibers (Medium), >50 Fibers (High).

Limit of detection is 7.00 f/mm²; Fibers/cc has been calculated after subtracting field blank average.
Air samples supplied by and collected by Alpine unless otherwise noted. Please note that if samples are collected by the client, results can be verified by Alpine through f/mm² only and relate only to the items tested.
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QC ✓ Signed ✓ Scanned ✓ DOL —

5/13/20
Nick Davey, Lab QA / QC Officer

Craig Petreikis, CIH, Lab Director; Report Date

438 New Karner Road,
Albany, NY 12205
(518)250-4047
Fax (518)-250-4353

Alpine NYSDOL Lic. No. 29095
Alpine ELAP No. 11740
EMSL ELAP No. 11506

Daily Inspection Log

Project:	Date:	Page 1 of 1
FORMER ADMIRAL CLEANER	05-04-20	
Alpine Project No.:	**PM or Air Tech (circle one)**	**Variance No.:**
19-24157-A	Name: G. BURNS	20-0093
Abatement Contractor:	**Supervisor Name and Cert No:**	**Waste Hauler Permit #:**
JACKSON DEMO	PAUL R.	
Exact Work Area(s):	**Type and Amount of ACM:**	**Phase:**
1. ENTIRE STRUCTURE	1. >1,000 SF FRIABLE DEMO	1. DURING
2.	2.	2.
3.	3.	3.

Time **Notes** **Phase:** Backs, (Preparation) (During), 1st/2nd/3rd Cleaning, Visual, Clearance

1.	0730	ON SITE. DEC, PRECISION + JACKSON DEMO ON SITE.
2.		JACKSON HAS A CREW OF (4+1). 3 BEGIN TO SET UP
3.		PUMP LOCATIONS WHILE GOING OVER WORK PLAN.
4.	0845	CREW SETTING UP DECON + POWER + H_2O.
5.	1015	START DAILY DURING AIR SAMPLES @ 5 l/m. CREW OF (4) SUIT UP,
6.		BEGIN TO BUILD SUPORT WALL / SHORE UP WEST WALL. THIS
7.		AREA WILL BE MANUALY DEMO'D FIRST. (TO PROTECT UNSTABLE
8.		STRUCTURE @ 621 19TH ST.)
9.	1145	CHECK PUMPS. OK.
10.	1300	CREW CONTINUES TO CONSTRUCT SUPPORT WALL AS PART OF
11.		ABATEMENT PROJECT. CHECK PUMPS, OK.
12.	1445	CREW COMPLETES CONSTRUCTION OF SUPORT WALL, NO DEMO
13.		UNTIL TOMORROW. CREW CLEANING UP WORK AREA FOR END
14.		OF DAY.
15.	1515	CREW SHOWERS OUT, COLLECTING DAILY AIR SAMPLES.
16.		WORK AREA SECURE.
17.	1530	OFF-SITE.
18.		
19.		
20.		
21.		
22.		
23.		

Original - to be delivered to the office with Air Sheets
Copy – must be kept on site
Also need daily check list (separate sheet) to be submitted with original

Alpine Technician Signature

438 New Karner Road,
Albany, NY 12205
(518)250-4047
Fax (518)-250-4353

Alpine NYSDOL Lic. No. 29095
Alpine ELAP No. 11740
EMSL ELAP No. 11506

Daily Inspection Log

Project: FORMER ADMIRAL CLEANERS	Date: 05-05-20	Page 1 of 1
Alpine Project No.: 19-24157-A	PM or Air Tech (circle one) Name: G. BURNS	Variance No.: 20-0093
Abatement Contractor: JACKSON DEMO	Supervisor Name and Cert No: PAUL R.	Waste Hauler Permit #:
Exact Work Area(s):	Type and Amount of ACM:	Phase:
1. ENTIRE STRUCTURE	1. 71,000 SF FRIABLE DEMO	1. DURING
2.	2.	2.
3.	3.	3.

Phase: Backs, Preparation, During, 1st/2nd/3rd Cleaning, Visual, Clearance

Time	Notes
1. 0700	ON SITE. JACKSON DEMO, PERCISION, DEC, EA EGINEERS.
2.	JACKSON HAS A CREW OF (4), (1) MORE WILL BE COMING.
3.	SET UP H_2O + POWER. DEGEN ACTIVE. SET UP (2) EXTRA
4.	SAMPLES @ FRONT + BACK OF 621 19TH ST. UN POLY'D
5.	CRITICALS (SIGNED OFF BY OWNER).
6. 0720	STARTING DAILY DURING ARS @ 5 L/M.
7. 0740	(3) SUIT UP, ENTER WORK AREA. SETTING UP TO BEGIN
8.	HAND DEMO OF WEST WALL ADJACENT TO 621 19TH.
9.	ADVISE SUPERVISOR THAT ALL AREAS NEED TO BE TAPED OFF.
10.	615 19TH STREET ALSO SIGNS OFF TO NOT HAVE WINDOWS POLY'D.
11.	WILL ADD EXTRA SAMPLE TOMORROW BEFORE MAIN DEMO BEGINS.
12. 0915	HAND DEMO BEGINS. ADVISE H_2O ON ALL DEMO MATERIALS/DEBRIS.
13. 1015	CREW OUT OF WORKAREA, WAITING ON LADDER TO WORK ON
14.	HAND DEMO FROM EXTERIOR (TOP 3 ROWS)
15. 1115	(3) SUIT BACK UP. DEMO RESUMES. CHECK PUMPS, OK.
16. 1200	CREW OUT FOR LUNCH BREAK.
17. 1235	(3) SUIT UP, RETURN TO MANUAL DEMO OF WEST WALL.
18.	CHECK PUMPS, OK. NO ISSUES, H_2O OK, NO VISABLE EMITTIONS.
19. 1400	CHECK PERIMETER + PUMPS, OK.
20. 1500	UPPER 3 ROWS OF WEST WALL DEMO COMPLETED. CREW CLEANING
21.	UP FOR END OF DAY.
22. 1510	WORKER OUT OF CONTAINMENT, COLLECT SAMPLES.
23. 1530	OFF-SITE.

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ENVIRONMENTAL SERVICES

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Daily Inspection Log

Project: FORMER ADMIRAL CLEANERS	Date: 05-06-20	Page 1 of 1
Alpine Project No.: 19-24157-A	PM or Air Tech (circle one) Name: G. BURNS	Variance No.: 19-24157-A
Abatement Contractor: JACKSON DEMOLITION	Supervisor Name and Cert No: PAUL R.	Waste Hauler Permit #:
Exact Work Area(s):	Type and Amount of ACM:	Phase:
1. ENTIRE STRUCTURE	1. >1,000 SF FRIABLE DEMO	1. DURING
2.	2.	2.
3.	3.	3.

Phase: Backs, Preparation, ~~During~~, 1st/2nd/3rd Cleaning, Visual, Clearance

Time	Notes
1. 0700	ON SITE. JACKSON DEMO, PRECISION ENV, DEC, EA ENGINEERS
2.	ALL ON SITE. JACKSON SUPERVISER GETS DECON + H_2O +
3.	POWER FUNCTIONAL. JACKSON HAS A CREW OF (4).
4. 0720	DAILY DURING AIRS STARTED @ 5L/M.
5. 0745	(3) WORKERS SUIT UP, MANUAL DEMO OF WEST WALL
6.	RESUMES.
7. 0815	(4)TH WORKER ON SITE. CHECK PUMPS, OK.
8. 0945	CREW CONTINUES MANUAL DEMO OF WEST WALL. ADDED TO KEEP
9.	USABL EMMISIONS DOWN + H_2O.
10. 1015	CHECK PUMPS + PERIMETER, OK
11. 1130	NON-POUROUS GLASS SIGN FROM EXTERIOR OF BUILDING IS WASHED/
12.	WET WIPED + INSPECTED. CLEAN, REMOVED FROM WORK AREA, AS PER
13.	VAR # 20-0093, FOR HISTORICAL SOCIETY.
14. 1300	MANUAL DEMO OF WEST WALL COMPLETE. CREW CLEANING UP
15.	AREA. CONTROLLED DEMO OF REMAINDER OF DEMO WILL BEGIN TOMORROW
16.	MORNING.
17. 1310	CREW OUT, SECURING WORK AREA. COLLECTING DAILY DURING
18.	AIR SAMPLES.
19. 1330	OFF-SITE
20.	
21.	
22.	
23.	

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Daily Inspection Log

Project:	Date:	Page 1 of 2
FORMER ADMIRAL CLEANERS	05-07-20	
Alpine Project No.:	**RM or Air Tech (circle one)**	**Variance No.:**
19-24157-A	**Name:** G. BURNS	20-0093
Abatement Contractor:	**Supervisor Name and Cert No:**	**Waste Hauler Permit #:**
JACKSON DEMO		
Exact Work Area(s):	**Type and Amount of ACM:**	**Phase:**
1. ENTIRE STRUCTURE	1. 71,000 SF FRIABLE DEMO	1. DURING
2.	2.	2.
3.	3.	3.

Phase: Backs, Preparation, (During), 1st/2nd/3rd Cleaning, Visual, Clearance

Time	Notes
1. 0700	ON SITE. JACKSON ON SITE WITH A CREW OF (3+1). DEC + EA+
2.	PRECISION ON SITE. DECON + H_2O + POWER SET.
3.	EXPANDING REGULATED WORK AREA TO INCLUDE ALLEY WAY BETWEEN
4.	617 AND 611. ADDING SAMPLE LOCATION @ 611 CRITICALS (SIGNED
5.	NO POLY).
6. 0720	START (13) DAILY DURING AIR SAMPLES @ 5 L/M. CREW
7.	SUITS UP, WETTING BUILDING.
8. 0745	CONTROLLED DEMOLITION BEGINS. H_2O, (GG).
9. 0815	ADVISE INCREASED H_2O + LIMIT VISIBLE EMITTIONS. CHECK PUMPS.
10. 0930	STRUCTURE IS DOWN, 1ST TRUCK ON SITE, CREW WILL
11.	POLY TRUCK BEFORE LOAD OUT. OPERATOR WORKING ON
12.	CONDENSING DEBRIS + CLEAN UP AROUND PERIMETER.
13. 0945	TRUCK POLY LINED, LOAD OUT BEGINS. CHECK PUMPS, (GG).
14.	ADVISE CREW TO KEEP AREA WET + KEEP H_2O IN WORK AREA.
15. 1030	1ST TRUCK FULL/COVERED/OFF-SITE.
16. 1045	2ND TRUCK IN POSITION + POLY'D. LOAD OUT RESUMES.
17. 1130	CREW CONTINUES LOAD OUT + PERIMETER CLEAN UP. CHECK PUMPS, (GG).
18. 1145	2ND TRUCK FULL/COVERED/OFF-SITE. 3RD TRUCK IN POSITION,
19.	BEING POLY LINED, LOAD OUT WILL RESUME. 3RD WORKER SUITS UP.
20. 1245	3RD TRUCK FULL/COVERED/OFF-SITE. ADVISE SUPERVISOR +
21.	WORKERS THAT ALL MUST BE IN FULL PPE, KEEP VISABLE
22.	EMITTIONS DOWN + H_2O. CHECK ALL PUMPS, (GG).
23.	

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Daily Inspection Log

Project:	Date:	Page 2 of 2
FORMER ADMIRAL CLEANERS	05-07-20	
Alpine Project No.:	**PM or Air Tech (circle one)**	**Variance No.:**
19-24157-A	**Name:** B. BURNS	20-0093
Abatement Contractor:	**Supervisor Name and Cert No:**	**Waste Hauler Permit #:**
JACKSON DEMO	PAUL R.	
Exact Work Area(s):	**Type and Amount of ACM:**	**Phase:**
1. ENTIRE STRUCTURE	1. >1,000 SF FRIABLE DEMO	1. DURING
2.	2.	2.
3.	3.	3.

Phase: Backs, Preparation, (During), 1st/2nd/3rd Cleaning, Visual, Clearance

Time	Notes
1. 1255	CREW OUT FOR LUNCH BREAK.
2. 1330	(2) SUIT UP, RETURN FROM LUNCH. WILL FOCUS ON CLEAN UP
3.	OF SLAB + CLEAN SCRAP METAL FOR VISUAL + NON-ACM WASTE OUT
4. 1415	TRUCK ON SITE FOR LOAD OUT OF CLEANED METAL,
5.	CHECK PUMPS, PP.
6. 1510	SCRAP METAL WASTE OUT COMPLETE, METAL VISUALED DURING, PP
7.	AS PER VAR # 20-0093. CREW WILL CLEAN AREA +
8.	COVER REMAINING DEBRIS PILE.
9. 1530	CREW OUT, COLLECTING SAMPLES. DEBRIS IS COVERED +
10.	WORK AREA SECURE.
11. 1545	OFF-SITE
12.	
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23.	

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ENVIRONMENTAL SERVICES

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Daily Inspection Log

Project:	Date:	Page 1 of 2
FORMER ADMIRAL CLEANERS	05-08-20	
Alpine Project No.:	**PM or Air Tech (circle one)**	**Variance No.:**
19-24157-A	Name: G. BURNS	20-0093
Abatement Contractor:	**Supervisor Name and Cert No:**	**Waste Hauler Permit #:**
JACKSON DEMO	PAUL R.	
Exact Work Area(s):	**Type and Amount of ACM:**	**Phase:**
1. ENTIRE STRUCTURE	1. 71,000 SF FRIABLE DEMO	1. DURING
2.	2.	2.
3.	3.	3.

Time **Notes** **Phase:** Backs, Preparation, ~~During~~, 1st/2nd/3rd Cleaning, Visual, Clearance

1.	0700	ON SITE. JACKSON HAS A CREW OF (4), DEC, EA, PRECISION ON SITE.
2.		DECON + POWER + H_2O SET UP. RE-ESTABLISHED WORK AREA.
3.		CREW WILL FOCUS ON LOAD OUT + FINAL CLEANING.
4.	0730	CREW OF (3) SUIT UP, STARTING DAILY DURUG AIRS @ 5 L/M, (13)
5.	0815	1ST TRUCK ON SITE, POLY'D. LOAD OUT BEGINS. (1) WORKER BEGINS
6.		WORK ON FINAL CLEAN OF SLAB.
7.	0845	1ST TRUCK FULL/COVERED/OFF-SITE. 2ND IN-PLACE + POLY'D.
8.	0900	LOAD OUT RESUMES. CHECK PUMPS, OK.
9.	0930	2ND TRUCK FULL/COVERED/OFF-SITE. CREW WORKS ON
10.		CLEANING PERIMETER FOUNDATION + SLAB.
11.	1045	JACKSON BEGINS REMOVAL OF 400 SF OF SLAB WITH
12.		TILE + MASTIC. SLAB BREAKING APART + MIXED WITH SOIL.
13.		NO SOIL MAY GO OUT AS PER DEC. PID READING OF SOIL
14.		BELOW SLAB @ 0.00 - 0.04 PPM. (AS PER PRECISION).
15.		ADVISE JACKSON THAT 400 SF AREA MUST BE HAND PICKED
16.		(NO EXCESS SOIL).
17.	1145	CLEAN UP CONTINUES, CHECK PUMPS, OK.
18.	1220	3RD TRUCK ON SITE, POLY'D, LOAD OUT RESUMES. CLEANIN OF
19.		SLAB + FOUNDATION CONTINUES.
20.	1255	3RD TRUCK FULL/COVERED/OFF-SITE. CREW OUT FOR LUNCH BREAK.
21.		CHECK PUMPS, OK.
22.	1330	(3) SUITED UP. WORKING ON FINAL CLEAN WHILE WAITING
23.		FOR MORE TRUCKS.

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Daily Inspection Log

Project: FORMER ADMIRAL CLEANERS	**Date:** 05-08-20	**Page** 2 **of** 2
Alpine Project No.: 19-24157-A	**PM or Air Tech (circle one) Name:** "	**Variance No.:** 20-0093
Abatement Contractor: JACKSON ENV.	**Supervisor Name and Cert No:** "	**Waste Hauler Permit #:**
Exact Work Area(s):	**Type and Amount of ACM:**	**Phase:**
1. "	1. "	1. "
2.	2.	2.
3.	3.	3.

Phase: Backs, Preparation, ~~During~~, 1st/2nd/3rd Cleaning, Visual, Clearance

Time	Notes
1. 1410	CREW CONTINUES CLEAN OF FOUNDATION PERIMETER. CHECK PUMPS
2. 1415	RESULT FOR 5/7/20: 621 19TH BACK SAMPLE OVERLOADED /
3.	FAILED. ADVISE SUPERVISOR TO CLEAN AREA. ALL DEMOLITION
4.	COMPLETE, ADVISE ADDITIONAL H_2O TO PREVENT FURTHER FAILURE.
5. 1435	4TH TRUCK ON SITE + POLY'D. LOAD OUT RESUMES. CLEAN CONTINUES.
6. 1520	4TH TRUCK FULL / COVERED / OFF-SITE. DOUBTFULL WORK AREA
7.	WILL PASS VISUAL BY EOD. CREW WILL POLY EXPOSED
8.	SOIL AREAS. RE-TAPE OFF WORK AREA FOR WEEKEND.
9. 1530	CREW OUT OF DECON, COLLECTING DAILY DURING AIR
10.	SAMPLES.
11. 1545	OFF-SITE.
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	
21.	
22.	
23.	

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Daily Inspection Log

Project:	Date:	Page 1 of _____
FORMER ADMIRAL CLEANERS	05-11-20	
Alpine Project No.:	**RM or Air Tech (circle one)**	**Variance No.:**
19-24157-A	**Name:** GERED B.	20-0093
Abatement Contractor:	**Supervisor Name and Cert No:**	**Waste Hauler Permit #:**
JACKSON DEMOLITION	PAUL R.	
Exact Work Area(s):	**Type and Amount of ACM:**	**Phase:**
1. ENTIRE STRUCTURE	1. 71,000 SF FRIABLE DEMO	1. DURING.
2.	2.	2.
3.	3.	3.

Time **Notes** **Phase:** Backs, Preparation, (During), 1st/2nd/3rd (Cleaning), Visual, Clearance

1.	0700	ON SITE. JACKSON HAS A CREW OF (5). PRECISION + EA ON SITE.
2.		CREW HOOKS UP DECON + H_2O + POWER. ALL PARTIES GO OVER
3.		EXPECTATIONS FOR VISUAL.
4.	0720	CREW BEGINS TO SUIT UP. START (13) DAILY DURING
5.		AIR SAMPLES @ 10L/m.
6.	0745	(3) WORKERS SUITED UP, ADVISE SUPERVISOR HE MUST BE
7.		SUITED / PPE TO WORK IN REGULATED AREA. ADVISE TO
8.		INCREASE H_2O WHILE CLEANING.
9.	0850	CREW CONTINUES FINAL CLEAN OF SLAB / FOUNDATION. CHECK PUMPS, OK
10.	0950	DROP DUMPSTER ON SITE TO LOAD OUT LAST OF WASTE.
11.	1100	WORK AREA PASSED "PRE-VISUAL". COLLECTING DURING /
12.		FINAL AIR SAMPLES (AS PER VAR). BEGIN 2 HOUR POST
13.		ABATEMENT / DRYING TIME. BRING SAMPLES TO LAB FOR ASAP TAT.
14.	1245	BACK ON SITE, WAITING ON FINAL RESULTS. ADVISE SUPERVISOR
15.		NO OTHER NON-ACM WORK IN AREA BEFORE CLEARANCE.
16.	1330	COLLECTING EQUIPMENT. VISUAL INSPECTION PASSED.
17.	1410	FINALS PASSED, ACM PORTION OF PROJECT COMPLETED.
18.	1430	OFF-SITE.
19.		
20.		
21.		
22.		
23.		

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Alpine Inc.
ENVIRONMENTAL SERVICES

CERTIFICATE OF VISUAL INSPECTION

Building: FORMER ADMIRAL CLEANERS. WATERVLIET, NY

Project and Project Number: 19-24157-A

Specific Area: ENTIRE STRUCTURE

Abatement Contractor: JACKSON DEMOLITION

Asbestos Materials Removed, including Quantities (TO BE COMPLETED BY PROJECT MANAGER)

71,000 SF FRIABLE DEMO

MONITOR'S CERTIFICATION:

The Monitor hereby certifies that he/she has accompanied the Asbestos Abatement Contractor on his/her visual inspection and verifies that his/her inspection has been through and, to the best of his/her knowledge and belief, the Asbestos Abatement Contractor has removed all asbestos that was to be removed in the above area.

By: (Signature) _____ Date: 05-11-20

(Print Name) GERED BURNS Title: PROJECT MONITOR

Has all of the asbestos identified in the abatement specification been removed (circle one):

(Yes) No Don't Know

Note: This form must be completed and included with any final abatement air samples to be read.

Comments/Concerns: SLAB + BLOCK FOUNDATION REMAIN AS PER VAR. # 20-0093.

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Appendix G

Imported Fill

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WILLIAM M. LARNED & SONS, INC.

544 Burdeck Street
Schenectady, New York 12306
Excavating **Phone: (518) 374-6961** *Sand & Gravel*
Fax: (518) 393-4722

Date: April 30, 2020
To: Brian Neumann Project Manager - PES, Inc.
From: Suzann Young – Contract Administrator
Re: Crusher Run Source

This letter is to confirm that our Crusher Run being provided to Precision Environmental Services, Inc. for Jackson Demolition is from a certified virgin source. Callanan Industries DEC Mining Permit for Pattersonville is #4-2726-00003, Source # 2-5R.
If you have any questions, feel free to call us at (518)374-6961

Sincerely,

Suzann Young

Suzann Young
Contract Administrator

From:	Haugh, Joshua G (DEC)
To:	Chiusano, David (DEC); Schroer, Chris; Brian Neumann
Cc:	Conan, Donald; Cummings, Emily
Subject:	RE: breakdown of base-bid & schedule
Date:	Wednesday, April 29, 2020 8:39:29 AM

Agreed, generally no testing required for aggregate from a permitted facility.

Josh Haugh
NYSDEC Region 4

From: Chiusano, David (DEC) <david.chiusano@dec.ny.gov>
Sent: Wednesday, April 29, 2020 8:32 AM
To: Schroer, Chris <cschroer@eaest.com>; Brian Neumann <bneumann@pesnyinc.com>
Cc: Conan, Donald <dconan@eaest.com>; Cummings, Emily <ecummings@eaest.com>; Haugh, Joshua G (DEC) <joshua.haugh@dec.ny.gov>
Subject: Re: breakdown of base-bid & schedule

I'm in agreement

David J. Chiusano
Environmental Engineer/Proj. Mgr.
NYSDEC-DER
625 Broadway,12th Floor
Albany, New York 12233-7017

From: Schroer, Chris <cschroer@eaest.com>
Sent: Wednesday, April 29, 2020 8:15:14 AM
To: Brian Neumann <bneumann@pesnyinc.com>
Cc: Conan, Donald <dconan@eaest.com>; Cummings, Emily <ecummings@eaest.com>; Chiusano, David (DEC) <david.chiusano@dec.ny.gov>; Haugh, Joshua G (DEC) <joshua.haugh@dec.ny.gov>
Subject: RE: breakdown of base-bid & schedule

Brian, the DOT approval is only for the size and composition of the aggregate. However, at previous superfund sites (e.g., Dzus in LI) the analytical requirement was waived for temporary aggregate fill provided it is sourced from a certified virgin quarry. It makes little sense to sample crusher run that will be excavated and removed from the site when the foundation and tank are removed. EA is OK with waiving the sampling requirement provided Josh and Dave are onboard.

Chris

From: Brian Neumann <bneumann@pesnyinc.com>
Sent: Tuesday, April 28, 2020 2:46 PM
To: Schroer, Chris <cschroer@eaest.com>

Subject: RE: breakdown of base-bid & schedule

Chris Jackson will be using the attached DOT Type 2 gravel for filling the opening in the building floor once demolished. As a DOT approved crushed aggregate is analytical still required for imported fill?

Thanks

Brian Neumann
Project Manager
Precision Environmental Services, Inc.
831 Route 67, Lot 38A
Ballston Spa, New York 12020
(518) 885-4399 Office
(518) 441-1520 Cellular
bneumann@pesnyinc.com

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