

February 16, 2026

# PROJECT MANUAL

VOLUME 4 OF 4: Appendix

## Washingtonville Central School District 2024 Capital Project Phase 3

Washingtonville Middle School  
Washingtonville High School

SED No. 44-01-02-06-0-001-023  
SED No. 44-01-02-06-0-007-033

**CSArch Project #**  
**228-2401.03**



Registration Expiration: 02/29/2028

The design of this project conforms to applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Construction Code, the Manual of Planning Standards of the New York State Education Department, and the New York State Department of Labor Code Rule #56.

CSARCH

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# Foundation Design, P.C.

SOIL • BEDROCK • GROUNDWATER

October 16, 2024

Washingtonville Central School District  
52 West Main Street  
Washingtonville, New York 10992

Attention: Sandra Clohessy  
Asst. Superintendent for Business

Reference: Washingtonville CSD  
54 West Main Street, Washingtonville, New York  
Geotechnical Evaluation, 24.05729.0

Dear Ms. Clohessy:

This report outlines our Geotechnical Evaluation for the referenced project. We understand that Washingtonville CSD is looking to make improvements at the Washingtonville High School/Middle School, and the Little Britain Elementary School. More specifically, improvements at the High School and Middle School will consist of synthetic turf athletic fields, expand the running track, stadium lighting, a new press box, asphalt parking lot replacements, driveway/drive lane replacements, and concrete sidewalk replacements. At the Elementary school, the proposed improvements will consist of a new asphalt parking lot addition, driveway/drive lane replacements and concrete sidewalk replacements. Washingtonville CSD retained Foundation Design, P.C. to provide the services outlined in our June 18, 2024, *Geotechnical Services Proposal, P5752.0*. We base this evaluation on our review of U.S.G.S. topographic and geologic data; recent soil boring/pavement core exploration; field and laboratory testing; and consultation with the design team. This report is intended exclusively for use on this project.

The Washingtonville High School/Middle School is located at 52 West Main Street in Washingtonville, New York. West Main Street lies to the east. A mixture of hardwoods and fields lie to the west and south. A mixture of hardwoods, fields, and residential/commercial buildings define the north. Moodna Creek wraps around the school on the east and south sides. The Little Britian Elementary School is located at 1160 Little Britian Road in New Windsor, New York. The Elementary school is surrounded by hardwoods. Little Britain road lies in the south. A *General Location Plan* on 2023 U.S.G.S topographic mapping for both locations are attached.

Our exploration program consisted of two soil borings (B24-10 and B24-11) at the Elementary school. At the High/Middle school we performed three soil borings (B24-1 through B24-3), six pavement cores (B24-4 through B24-9), and four NYSDEC Stormwater Infiltration tests (IT24-1 through IT24-4). For the soil borings, the drillers advanced the holes using hollow stem auger casing. The drillers recovered split spoon soil samples continuously to ten feet and then at five foot intervals thereafter to completion. We terminated the soil borings at depths ranging from 14.4 feet to 40.2 feet below grade. The NYSDEC infiltration tests pipes were installed five feet below grade. Our staff logged the subsurface profiles and collected representative soil samples.

At the pavement core locations (B24-4 through B24-9), we recovered a four-inch diameter asphalt core. The drillers sampled the subbase using a 3-inch diameter split spoon driven 24 inches below the asphalt. Drillers then sampled the subgrade to a six to eight-foot depth using a 2-inch diameter split spoon sampler. Core locations were patched with asphalt patch upon completion. All test locations were referenced off existing features. The *Boring Location Plan(s)* and the boring/core logs for each school are enclosed.

We selected representative soil samples for laboratory testing. Our testing program consisted of ten sieve analyses, seven moisture content test, and one organic content determination. The testing results are discussed below. The laboratory report is enclosed.

The following interpretations of the soil, bedrock, and groundwater conditions are based on our soil borings, pavement cores, infiltration tests, and our site observations. Variations from the inferred subsurface profile are possible. Call us to the site if variations are encountered during construction so we can assess the impacts on these recommendations.

### **High School and Middle School (B24-1 through B24-9)**

At the High School and Middle School soil borings (B24-1 through B24-3), we encountered a subsurface profile consisting of topsoil over glacial outwash deposits. The surface topsoil was noted to be 2 inches to 4 inches thick, averaging 3 inches thick. Fill soil consisting of reworked gravelly sand was noted at B24-1, extending 4.0 feet below grade. The underlying native soil generally consists of silty sand to sandy silt with varying amounts of gravel that classifies as ML (sandy silt), SM (silty sand), and GP-GM (poorly graded gravel) in the Unified Soils Classification System (USCS). Moisture contents on this soil ranged from 6.5 to 22.3 percent by weight. Groundwater was not encountered during exploration. Expect groundwater levels to fluctuate seasonally.

Four NYSDEC Stormwater Infiltration tests IT24-1 through IT24-4, were performed as part of our field exploration. The testing consisted of installing a 4-inch diameter PVC pipe at these four locations. The drillers augered to a five-foot depth, then removed as much of the disturbed soil as possible prior to running the test. The exterior of the pipe bottom was sealed using bentonite pellets, then backfilled with auger cuttings. The hole was pre-soaked with water 24-hours prior to running the test. After two consecutive hours, the water levels did not change, indicating zero infiltration at all four locations.

In the existing paved area at the High/Middle school, we encountered pavement sections containing asphalt top, asphalt binder, then subbase. The asphalt top ranged from 1.0 inches to 2.0 inches thick, averaging 1.5 inches thick. We note that 1.5 inches of asphalt top overlay was encountered at B24-5. The asphalt binder ranged from 2.0 inches to 3.5 inches thick, averaging 3.0 inches thick with the exception of B24-8. B24-8 had three layers of binder (2.5 inches, 1.0 inch, 1.0 inch) totaling 4.0 inches of total binder. The underlying subbase consisted of crushed gravel (with B24-8 being the exception). At B24-8 we encountered a 5.5 inch thick layer of tar stone (macadam) directly underlying the pavement, with concrete beneath this layer. The subbase thickness ranged from 4.0 inches to 12.0 inches thick across the site. Tested subbase samples contained 12 to 21 percent fines (NYSDOT allowance of 10 percent fines for subbase material and higher). The subbase classified as SM (silty sand) and SP-SM (poorly graded sand) in the USCS. Table No. 1 below shows the various asphalt layers and subbase types and thicknesses.

<b>Table No. 1 – Core Summary</b>									
<b>Core Number</b>	<b>Asphalt Top Overlay</b>	<b>Asphalt Top</b>	<b>Asphalt Binder Overlay</b>	<b>Asphalt Binder Overlay</b>	<b>Asphalt Binder</b>	<b>Total Asphalt</b>	<b>Subbase Thickness</b>	<b>Subbase Type</b>	<b>Fines</b>
B24-4	-	1½"	-	-	3"	4½"	+8"	Crushed Gravel	21
B24-5	1½	2"	-	-	3½"	7"	4"	Crushed Gravel	-
B24-6	-	2"	-	-	3"	5"	6"	Crushed Gravel	12
B24-7	-	1½"	-	-	2"	3½"	5"	Crushed Gravel	-
B24-8	-	1"	2½"	1"	1"	5½"	N/A	N/A	N/A
B24-9	-	2"	-	-	3½"	5½"	12"	Crushed Gravel	14

The underlying pavement subgrade consists of sand with varying amounts of silt and gravel. Testing on the subgrade shows the soil classifies as SM (silty sand) and SW-SM (well graded sand) in the USCS, with moisture contents of 7.4 and 11.7 percent by weight.

**Little Britain Elementary (B24-10 and B24-11)**

At the Elementary school, we encountered a subsurface profile consisting of topsoil over glacial outwash deposits. The surface topsoil was noted to be 7 inches and 10 inches thick at the sampled locations. Fill soils were noted underneath the topsoil at B24-11, consisting of sand with gravel, silt, and organics down to 9.2 feet below grade. An organic content test of this fill showed 8.2 percent by weight, a high amount. The underlying native soil consists of gravelly sand to sandy gravel with varying amounts of silt that classifies as SM (silty sand) in the USCS. A moisture content on this soil showed 22.2 percent by weight, well wet of optimum. Groundwater was not encountered during exploration. Expect groundwater levels to fluctuate seasonally.

We did not encounter bedrock at either site during our exploration. Geologic mapping indicates the bedrock at both schools is of the Normanskill Formation, part of the Trenton Group. This formation consists of shale, argillite, and siltstone. Bedrock will not impact either of the site locations.

Based on this background, we make the following recommendations:

1. Support the light poles using a typical prefabricated pier placed in a drilled shaft. Plumb and level the prefabricated pier prior to placement of grout/concrete around and in the shaft. Drilled shafts may require use of temporary casing at each location to control soil sloughing into the excavation. If the installation is performed during the wetter times of year (October-April), the water table may rise, making the shafts extend below the water table. If this occurs, the installers will need to use drilling mud to prevent disturbance of the bearing surface and control soil migration into the bottom of the casing. Concrete will need to be placed by tremie method.

Design the light pole using the soil parameters outlined below. Use an allowable end-bearing pressure of 1,500 psf. In terms of IBC Table 1806.2, use a lateral bearing (passive) pressure of 100 psf/ft for the upper soils and 150 psf/ft for the lower soils. Expect the upper few feet of soil to have limited strength during the spring "thaw". We provide the following soil parameters to use in design in Table No. 2 below.

<b>Table No. 2 – Soil Parameters</b>					
<b>On-Site Soil Material</b>	<b>Depth</b>	<b>N-Values</b>	<b>Internal Friction</b>	<b>Cohesion</b>	<b>Moist Unit Weight</b>
Upper Native (Sandy silt)	0'-14'	9-36	28°	N/A	110 pcf
Deeper Native (Silty sand)	+14'	3-72	30°	N/A	115 pcf

2. The NYS Building Code identifies various seismic design criteria for this project. We identify the site as having a Site Classification of D (Stiff Soil). Based on the ASCE-7-16 guidelines, we recommend using the following seismic design parameters.

<b>Table No. 3 – Seismic Design Parameters (High/Middle School)</b>					
<b>Spectral Response Acceleration</b>		<b>Mapped Spectral Response Acceleration</b>		<b>Design Spectral Response Acceleration</b>	
<b>S<sub>s</sub></b>	<b>S<sub>1</sub></b>	<b>S<sub>M5</sub></b>	<b>S<sub>M1</sub></b>	<b>SD<sub>s</sub></b>	<b>SD<sub>1</sub></b>
0.239g	0.057g	0.382g	0.137g	0.254g	0.091g

3. Check/confirm the stability of the athletic fields and press box. Strip off the surface topsoil and cut the proposed areas to the design subgrade elevations. If the stripping is performed during wetter times of the year, the topsoil will mix with the underlying subsoil, potentially increasing the topsoil removal quantity. Remove the fill from beneath the press box footprint, approximately 4 feet, extending the undercut to at least five feet beyond new footings. Again, we do not anticipate that conditions will be problematic for the overall construction but do feel that conditions at the footings and slab subgrade at the press box should be checked as the work proceeds. Relocate any existing utilities in the area. Require the contractor to provide a loaded ten-wheel dump truck or similar heavy construction equipment for proof-rolling the exposed subgrade. Replace or re-compact areas that rut, weave, or quake during the proof-rolling. We note that it would not be cost effective to remove and replace the fill in the field and track areas. We recommend proof-rolling the subgrades under the Geotechnical Engineers observation, assessing the area for any major rutting or pockets of organic debris. Pockets of organic material may require undercutting but will otherwise be covered with geogrid (TriAX TX Type 2 or equivalent) for the track and field area.
4. The on-site soil, free of organics and debris, can be used for mass grading or backfill. This material is silty, moisture sensitive, and frost susceptible. If site grading requires mass fills or if soil material proves unworkable, use an imported fill conforming to the requirements of NYSDOT Item 203.07, Select Granular Fill. Submit imported material sources to the Geotechnical Engineer for review and approval on a case-by-case basis. Maintain good surface drainage.

We define structural fill as fill under or around the proposed footings, floor slabs, pavements, and for sidewalks. Place and moisture condition structural fill to within two percent of optimum moisture for compaction. Compact structural fill to at least 95 percent of maximum dry density within two percent of the optimum moisture as determined by ASTM D1557, the Modified Proctor Method. Compact other fill to 90 percent of Standard Proctor or as otherwise determined by the site engineer or landscape architect. Place fill in lifts not-to-exceed eight inches in loose thickness.

5. Support the press box on spread footings bearing on the native soil or new structural fill. Design the footings using an allowable bearing pressure of 3,000 psf. Design the footings to be at least two feet square or wide. Set the exterior footings at a depth of four feet below grade for frost protection. Based on a maximum column load of 50 kips and wall loads of 4 kips per lineal foot, we anticipate the total settlements under these pressures, widths, and depths at less than 1/2-inch. Your Structural Engineer should review these amounts of settlement and verify the construction proposed can tolerate this movement.

6. Place at least six inches of granular material beneath slab-on-grades. Use NYSDOT Item 304.12 (Crusher-Run Stone) or NYSDOT Item 304.14 (Item 4 Gravel) for this application. The Geotechnical Engineer or their representative should observe proof-rolling of the floor subgrade prior to placing the base course. Remove and/or recompact areas that rut, weave, quake or are otherwise deemed unsuitable.

Design the slab using a Modulus of Subgrade Reaction ( $K_{vi}$ ) of 125 psi/in over the subbase and then the prepared/approved subgrade. The Architect and/or Structural Engineer should review the proposed interior finishes and humidity control requirements to determine whether a vapor barrier is appropriate under the slab and if so, where it should be installed. See the American Concrete Institute Document 302.1R, *Concrete Floor and Slab Construction*, for more information.

7. With the current condition of the High/Middle school pavements, we believe that the in-place asphalt has reached the end of its life. We also note that the subbase fines content is well above the NYSDOT suggested 10 percent limit. Plan for full depth removal and replacement of the existing asphalt and subbase. Once the subgrade is exposed, the contractor should proof-roll the subgrade using a loaded ten-wheel truck or other similarly heavy construction equipment. Rework or replace areas that rut, weave or are otherwise deemed unsuitable by the Geotechnical Engineer based on the proof-roll performance.

In areas of new pavements at the Elementary school, cut the proposed pavement areas to the design subgrade elevations. The Geotechnical Engineer should observe a proof-roll to determine if the underlying fills can remain in place or if removal and replacement is required. It is our intention to keep the fills in place as long as the soils are stable. The contractor should provide a loaded ten-wheel truck or similar heavy construction equipment for the proof-rolling. If the subgrade ruts, weaves, or quakes during proof-rolling, re-compact or replace the unstable areas as recommended by the Geotechnical Engineer or our field representative. Backfill undercut areas with structural fill. Budget to place a geogrid equivalent to TriAx TX Type 2 under the new pavements at the Elementary school.

We recommend installing the new pavement sections as tabulated below.

<b>Table No. 4 - Standard Section</b>		
1.5"	Asphalt Topcoat	NYSDOT Item 403.178902
2.5"	Asphalt Binder	NYSDOT Item 403.138902
9.0"	Crusher Run Stone	NYSDOT Item 304.12
	Subgrade	Approved Proof Roll

If new pavement areas experience regular bus traffic, use the Heavy Duty Section below.

<b>Table No. 5 – Heavy Duty Section</b>		
1.5"	Asphalt Topcoat	NYSDOT Item 403.178902
2.5"	Asphalt Binder	NYSDOT Item 403.138902
3.0"	Asphalt Base	NYSDOT Item 403.118902
12.0"	Crusher Run Stone	NYSDOT Item 304.12
	Subgrade	Approved Proof Roll

Drainage of the subbase is critical to proper performance of the pavements. We recommend sloping both the pavement surface and subgrade at slopes of at least 2.0 percent to facilitate water flow toward the stormwater system and prolong the pavement life. Install 25 foot long weeps off the storm inlets at low points to allow water out of the stone subbase and into the stormwater system.

8. Perform trenching and excavating work in accordance with the Occupational Safety and Health Administration (OSHA) and New York State Building Code Standards. The contractor is responsible for determining measures required to meet these standards. Cut unsupported temporary excavations to a stable slope, but in no case steeper than 1 horizontal on 1 vertical. It is our opinion that the excavation work can be performed using 'normal' excavating equipment. Control groundwater that accumulates in excavations with open sumps and pumps.
9. The NYS Building Code requires special inspection services. We recommend the following inspections and ask that you include them on the List of Special Inspections developed as part of the Building Permitting Process:
  - We recommend that Foundation Design, P.C. be on site during installation of foundation elements and make periodic site visits during grading operations to confirm that the actual soil conditions are as expected and provide recommendations to address areas where conditions differ. Specifically, we should observe the following:
    - A. Review and approve of structural fill materials.
    - B. Observe drilled shaft installation.
    - C. IBC Table 1705.6 – 5: Observe/approve proof-rolling of pavement, press box and field surface prior to new fill placement. Confirm fill soil has been removed from the press box footprint.
    - D. IBC Table 1705.6 – 1: Observe the foundation excavations to verify that subgrade is acceptable for new foundations.
    - E. Review the soils-related test results and consult on compaction-related issues as they arise.
  - We recommend that an independent test agency perform observation/confirmation of mass fill placement and backfilling operations. Upon completion of the fill placement, we recommend that the testing agency submit a letter certifying that the work was performed in accordance with this report. This letter should contain a copy of all soil-related test reports.

Washingtonville CSD  
October 16, 2024  
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Specific testing requirements follow:

- A. IBC Table 1705.6 – 3 and 4: Conduct at least one field density test per 2,500 square feet of mass fill placed, per lift.
- B. IBC Table 1705.6 – 3 and 4: Conduct at least one density test per 50 lineal feet of foundation backfill on alternating lifts.
- C. IBC Table 1705.6 – 3 and 4: Witness/confirm that structural fill was placed in lifts not-to-exceed 12-inches in loose thickness.
- D. IBC Table 1705.6 – 3 and 4: Witness/confirm that structural fill was compacted to at least 95 percent of the maximum dry density as determined by the Modified Proctor Test (ASTM D-1557).

Attached is a Geoprofessional Business Association paper entitled *Important Information about This Geotechnical Engineering Report*. This paper describes many of the risks inherent in geotechnical engineering and how, in light of those risks, we intend this evaluation to be used. We will continue to work cooperatively with the project principals and interested parties to achieve win/win solutions that benefit all.

This concludes our design phase services. We are available to answer questions that you may have about the data or interpretations of the soil, bedrock, and groundwater conditions.

Sincerely,

**FOUNDATION DESIGN, P.C.**



Brennan J. Valentino, P.E.  
Staff Engineer



Ryan J. Radford, P.E.  
Vice President  
Enc.



# Important Information about This

# Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

**The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.**

## Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

## Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer

will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

## Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

## You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

### Most of the “Findings” Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site’s subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

### This Report’s Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

### This Report Could Be Misinterpreted

Other design professionals’ misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals’ plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

### Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note*

*conspicuously that you’ve included the material for information purposes only.* To avoid misunderstanding, you may also want to note that “informational purposes” means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

### Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled “limitations,” many of these provisions indicate where geotechnical engineers’ responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

### Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a “phase-one” or “phase-two” environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

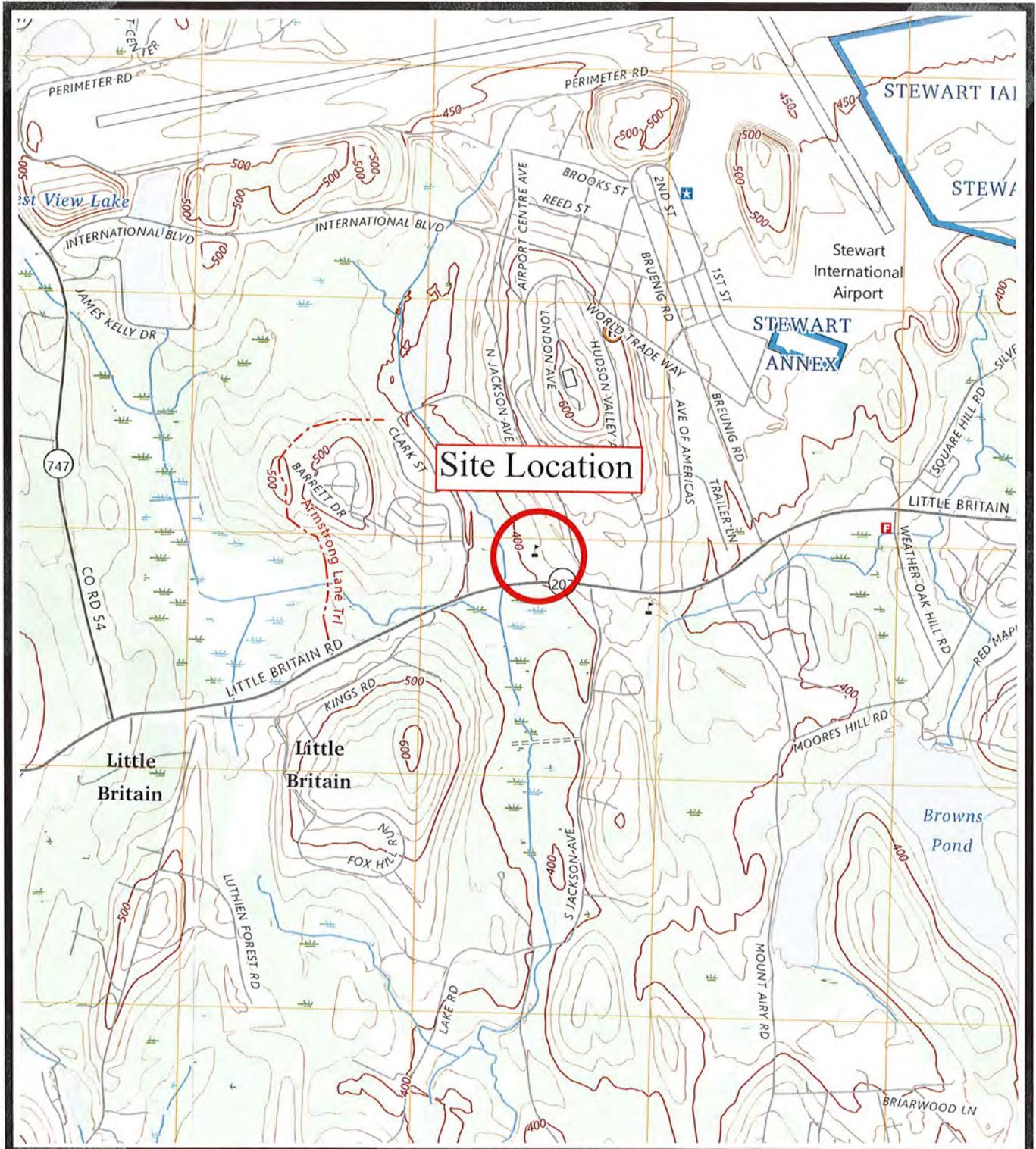
### Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer’s services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, *proper implementation of the geotechnical engineer’s recommendations will not of itself be sufficient to prevent moisture infiltration.* **Confront the risk of moisture infiltration** by including building-envelope or mold specialists on the design team. **Geotechnical engineers are not building-envelope or mold specialists.**



Telephone: 301/565-2733

e-mail: [info@geoprofessional.org](mailto:info@geoprofessional.org) [www.geoprofessional.org](http://www.geoprofessional.org)



**Foundation  
Design, P.C.**

46A Sager Drive  
Rochester, New York 14607  
Phone (585) 458-0824  
FAX (585) 458-3323

**Washingtonville CSD**

1160 Little Britain Road, New Windsor, New York

**General Location Plan**

Adapted from: USGS Topographic Mapping

2023 Cornhill-on-Hudson, Maybrook, Newburgh & Walden Quadrangles

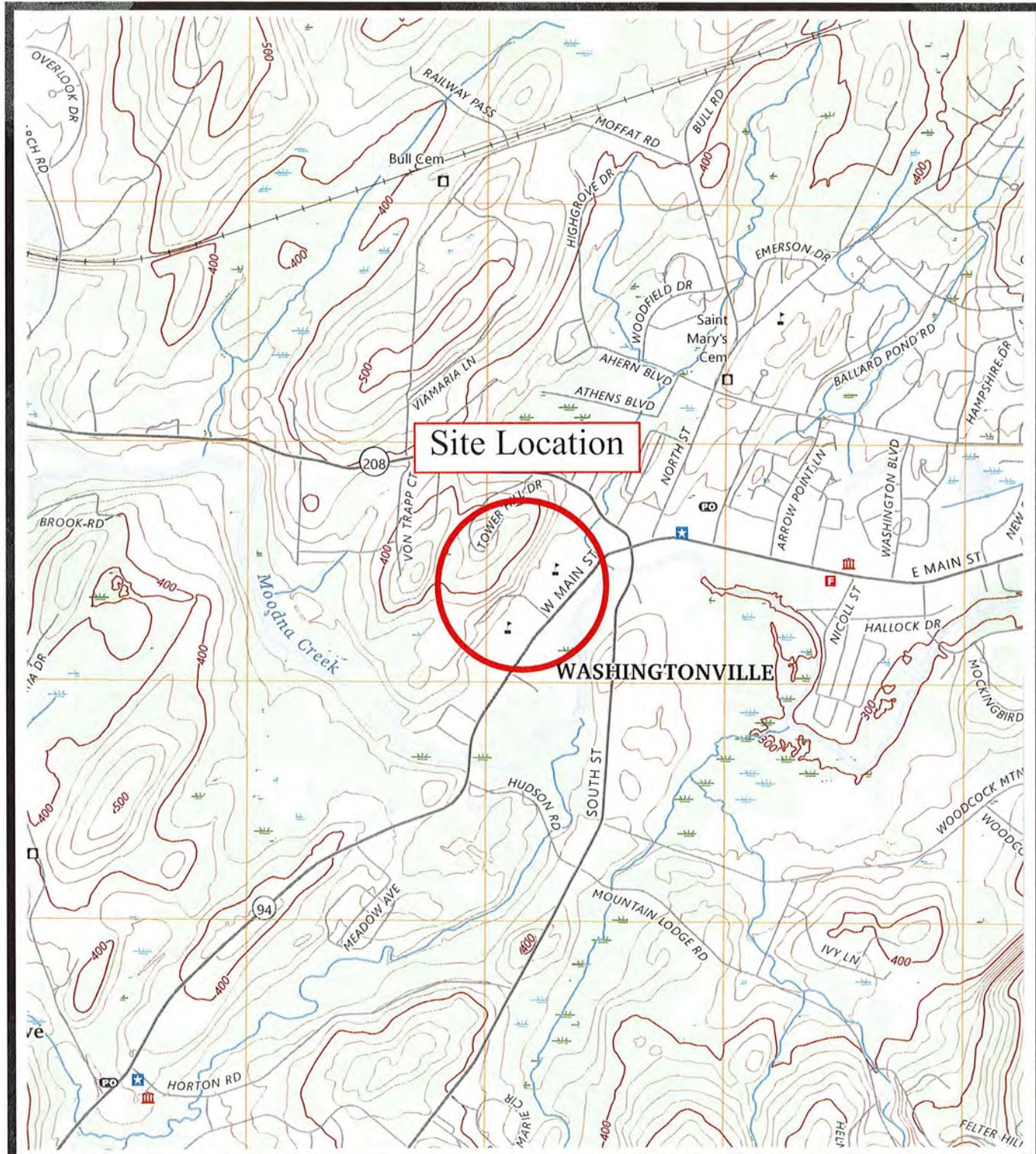
CHECKED BY: JMB

DATE: 10/16/24

DRAWN BY: JLH

Scale 1" = 2000'

JOB NO.: 5729.0



Site Location

WASHINGTONVILLE



**Foundation Design, P.C.**

46A Sager Drive  
 Rochester, New York 14607  
 Phone (585) 458-0824  
 FAX (585) 458-3323

**Washingtonville CSD**

54 West Main Street, Washingtonville, New York

**General Location Plan**

Adapted from: USGS Topographic Mapping  
 2023 Maybrook Quadrangle

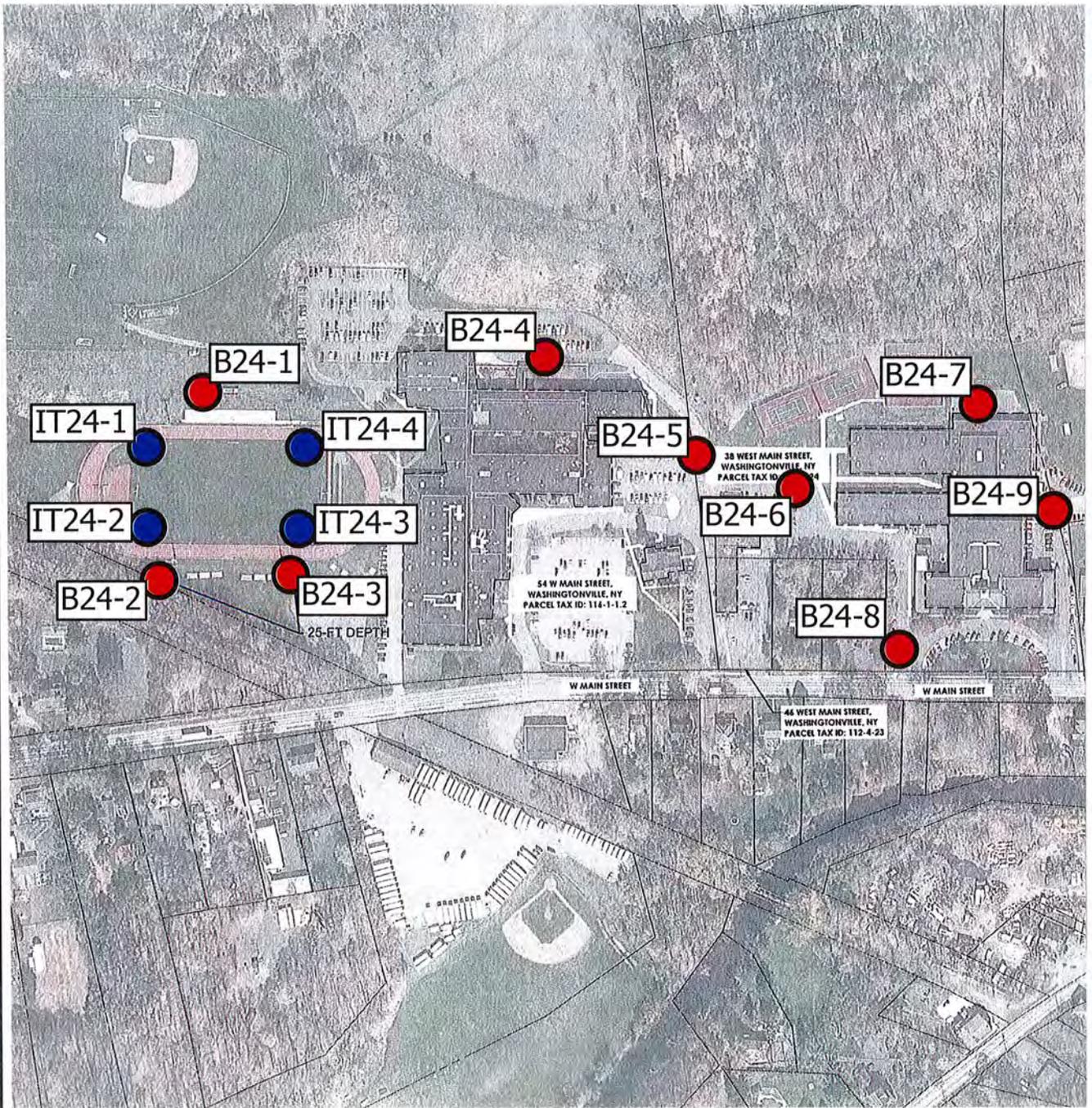
CHECKED BY: **JMB**

DRAWN BY: **JLH**

Scale 1" = 2000'

DATE: **10/16/24**

JOB NO.: **5729.0**



**Foundation  
Design, P.C.**

46A Sager Drive  
Rochester, New York 14607  
Phone (585) 458-0824  
FAX (585) 458-3323

**Washingtonville CSD High School & Middle School**

54 West Main Street, Washingtonville, New York

**Boring Location Plan**

Adapted from: Passero Engineering  
*Geotechnical Investigation Figure*

CHECKED BY: **RJR**

DRAWN BY: **JCS**

Scale: 1"=300'

DATE: **10/7/24**

JOB NO.: **5729.0**



**Foundation  
Design, P.C.**

**46A Sager Drive  
Rochester, New York 14607**  
Phone (585) 458-0824  
FAX (585) 458-3323

**Washingtonville CSD Little Britain Elementary School**

1160 Little Britain Road, New Windsor, New York

**Boring Location Plan**

Adapted from: Passero Engineering  
*Geotechnical Investigation Figure*

CHECKED BY: **RJR**

DATE: **10/7/24**

DRAWN BY: **JCS**

Scale: 1"=120'

JOB NO.: **5729.0**

## SOIL DESCRIPTIONS

### COHESIVE SOIL

Very fine grained soils. Plastic soils that can be rolled into a thin thread if moist. Clays and silty clays show cohesion.

### NON-COHESIVE SOIL

Soils composed of silt, sand and gravel, showing no cohesion or very slight cohesion

<u>DESCRIPTION</u>	<u>SPT –BLOWS/FOOT</u>	<u>DESCRIPTION</u>	<u>SPT –BLOWS/FOOT</u>
Very Soft	0-2	Loose	0-10
Soft	3-5	Firm	11-25
Medium	6-15	Compact	26-40
Stiff	16-25	Dense	41-50
Hard	26 or more	Very Dense	51 or more

### SOIL COMPOSITION

#### DESCRIPTION

#### ESTIMATED PERCENTAGE

and	50
some	30-49
little	11-29
trace	0-10

### MOISTURE CONDITIONS

Dry, Damp, Moist, Wet, Saturated  
Groundwater measured in the boring or test pit may not have reached equilibrium

### SOIL STRATA:

#### TERM

#### DESCRIPTION

layer	Soil deposit more than 6" thick
seam	Soil deposit less than 6" thick
parting	Soil deposit less than 1/8" thick
varved	Horizontal uniform layers or seams of soil

### GRAIN SIZE

#### MATERIAL

#### SIEVE SIZE

Boulder	Larger than 12 inches
Cobble	3 inches to 12 inches
Gravel - coarse	1 inch to 3 inches
- medium	3/8 inch to 1 inch
- fine	No. 4 to 3/8 inch
Sand - coarse	No. 10 to No. 4
- medium	No. 40 to No. 10
- fine	No. 200 to No. 40
Silt and Clay	Less than No. 200

Standard Penetration Test: The number of blows required to drive a split spoon sampler into the soil with a 140 pound hammer dropped 30 inches. The number of blows required for each 6-inches of penetration is recorded. The total number of blows required for the second and third 6-inches of penetration is termed the penetration resistance, or the "N" value.

Split Spoon Sampler: Typically a 2-foot long, 2-inch diameter hollow steel tube that breaks apart or splits in two down the tube length.

Refusal: Depth in the boring where more than 100 blows per 5-inches are needed to advance the sample spoon.

Core Recovery (%): The total length of rock core recovered divided by the total core run.

RQD (%): Rock Quality Designation – the total length of all the pieces of the rock core longer than 4-inches divided by the total length of the rock core run.



## Boring Log

<b>Project No.</b>	<u>24.05729</u>	<b>Page</b> <u>1</u> <b>of</b> <u>1</u>	<b>Soil Boring No.</b>	<u>B24-1</u>	
<b>Project Name</b>	<u>Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)</u>				
<b>Client</b>	<u>Washingtonville CSD, 52 West Main Street, Washingtonville, NY</u>				
<b>Elevation</b>		<b>Weather</b>	<u>60's, Coudy</u>	<b>Engineer</b>	<u>J. Strussenberg</u>
<b>Date Started</b>	<u>10/3/2024</u>	<b>Completed</b>	<u>10/3/2024</u>	<b>Driller</b>	<u>Kevin Nash</u>
<b>Drilling Company:</b>	<u>Core Down Drilling</u>			<b>Drilling Equipment:</b>	<u>Geoprobe 6712D7</u>

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks
	2	6							TOPSOIL 0'2"
			6	15	12	S-1	0'-2'	16"	FILL: Firm brown moist SAND, some gravel, little silt
	10	16							
			21	18	37	S-2	2'-4'	14"	S-2: Compact
<b>5</b>	11	7							4'0"
			8	7	15	S-3	4'-6'	18"	Firm moist dark brown SAND, little gravel, little silt
	21	30							6'0"
			13	10	43	S-4	6'-8'	10"	Dense moist brown SAND, little gravel, trace silt
	15	15							
<b>10</b>			15	12	30	S-5	8'-10'	0	S-5: Compact
	43	50/5"			50/5"	S-6	13'-13'11"	-	S-6: Very dense
<b>15</b>									14'5"
									Boring Terminated at 14'5" (Auger Refusal)
<b>20</b>									
<b>25</b>									
<b>30</b>									

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



## Boring Log

<b>Project No.</b>	24.05729	<b>Page</b>	1	<b>of</b>	2	<b>Soil Boring No.</b>	B24-2
<b>Project Name</b>	Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)						
<b>Client</b>	Washingtonville CSD, 52 West Main Street, Washingtonville, NY						
<b>Elevation</b>		<b>Weather</b>	60's, Coudy		<b>Engineer</b>	J. Goggin	
<b>Date Started</b>	10/3/2024	<b>Completed</b>	10/3/2024		<b>Driller</b>	A. Bellucci	
<b>Drilling Company:</b>	Core Down Drilling			<b>Drilling Equipment:</b>	Geoprobe 6822		

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks
	11	18							TOPSOIL 0'4"
			18	17	36	S-1	0'-2'	4"	Compact brown moist SILT, little sand, little gravel
	15	12							
			6	6	18	S-2	2'-4'	0	S-2: Drove a rock, no recovery
<b>5</b>	3	4							
			6	10	10	S-3	4'-6'	18"	S-3: Loose
	10	8							
			8	8	16	S-4	6'-8'	18"	S-4: Firm
	14	12							
<b>10</b>			13	10	25	S-5	8'-10'	12"	S-5: Compact, drove through a cobble
	9	7							
			9	9	16	S-6	10'-12'	12"	S-6: Firm, moist
<b>15</b>									14'0" Firm wet brown SAND, some gravel, some silt
	6	5							
			7	8	12	S-7	15'-17'	10"	
<b>20</b>									19'0" Loose light brown to gray wet SILT and SAND
	1	2							
			3	4	7	S-8	20'-22'	-	
<b>25</b>									
	1	2							
			1	WH	3	S-9	25'-27'	-	S-9: Saturated, trace fine gravel
<b>30</b>									

N=No. of blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow Hammer: Auto Size Rod: 2"



## Boring Log

<b>Project No.</b>	<u>24.05729</u>	<b>Page</b>	<u>2</u>	<b>of</b>	<u>2</u>	<b>Soil Boring No.</b>	<u>B24-2</u>
<b>Project Name</b>	<u>Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)</u>						
<b>Client</b>	<u>Washingtonville CSD, 52 West Main Street, Washingtonville, NY</u>						
<b>Elevation</b>		<b>Weather</b>	<u>60's, Coudy</u>			<b>Engineer</b>	<u>J. Goggin</u>
<b>Date Started</b>	<u>10/3/2024</u>	<b>Completed</b>	<u>10/3/2024</u>			<b>Driller</b>	<u>A. Bellucci</u>
<b>Drilling Company:</b>	<u>Core Down Drilling</u>					<b>Drilling Equipment:</b>	<u>Geoprobe 6822</u>

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks
	18	8							S-10: Firm, gray, moist
			8	43	16	S-10	30'-32'	18"	
<b>35</b>									
	3	5							S-11: Loose, gray, moist
			6	7	11	S-11	35'-37'	-	
<b>40</b>									
	50/2"				50/2"	S-12	40'-40'2"	-	S-12: Very dense, moist Boring Terminated at 40'2" (Spoon Refusal)
<b>45</b>									
<b>50</b>									
<b>55</b>									
<b>60</b>									

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



## Boring Log

<b>Project No.</b>	24.05729	<b>Page</b>	1	<b>of</b>	1	<b>Soil Boring No.</b>	B24-3
<b>Project Name</b>	Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)						
<b>Client</b>	Washingtonville CSD, 52 West Main Street, Washingtonville, NY						
<b>Elevation</b>		<b>Weather</b>	60's, Coudy		<b>Engineer</b>	J. Goggin	
<b>Date Started</b>	10/3/2024	<b>Completed</b>	10/3/2024		<b>Driller</b>	A. Bellucci	
<b>Drilling Company:</b>	Core Down Drilling				<b>Drilling Equipment:</b>	Geoprobe 6822	

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks
	3	12							TOPSOIL 0'4"
			16	15	28	S-1	0'-2'	24"	Compact light brown damp SILT, some sand, little gravel
	5	4							S-2: Firm, moist
			7	9	11	S-2	2'-4'	13"	S-3: Firm, moist
<b>5</b>	6	6							
			9	12	15	S-3	4'-6'	12"	6'6"
	12	18							Compact brown moist SAND and GRAVEL, little silt
			16	17	34	S-4	6'-8'	0	S-4: No recovery (Cobbles noted while augering below 6')
	8	8							(Auger refusal at 7', offset 5')
<b>10</b>			9	29	17	S-5	8'-10'	24"	S-5: Firm, moist, some silt 10'6"
	8	4							Loose red/brown moist SAND, some silt
			5	5	9	S-6	10'-12'	15"	
									14'0"
<b>15</b>									Loose gray/brown saturated SAND, little silt
	4	3							
			3	3	6	S-7	15'-17'	16"	
<b>20</b>									
	7	6							S-8: Firm 21'0"
			7	9	13	S-8	20'-22'	24"	Firm gray wet SILT, trace sand, trace gravel
									24'0"
<b>25</b>									Very dense gray moist SAND and GRAVEL, little silt
	42	35							27'0"
			37	48	72	S-9	25'-27'	-	Boring Terminated at 27'0"
									Notes:
									1. Dry upon completion.
									2. Advanced hole using hollow stem augers.
									3. Bore hole backfilled using auger spoils.
<b>30</b>									

N=No. of blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow Hammer: Auto Size Rod: 2"



### Core Log

<b>Project No.</b>	24.05729	<b>Page</b>	1	<b>of</b>	1	<b>Soil Boring No.</b>	B24-4
<b>Project Name</b>	Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)						
<b>Client</b>	Washingtonville CSD, 52 West Main Street, Washingtonville, NY						
<b>Elevation</b>		<b>Weather</b>	60's, Coudy		<b>Engineer</b>	J. Strussenberg	
<b>Date Started</b>	10/3/2024	<b>Completed</b>	10/3/2024		<b>Driller</b>	Kevin Nash	
<b>Drilling Company:</b>	Core Down Drilling			<b>Drilling Equipment:</b>	Geoprobe 6712D7		

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications	
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks	
		11							ASPHALT TOP	0'1½"
			10		21	S-1	4"-1'	7"	ASPHALT BINDER	0'4½"
									SUBBASE: CRUSHED GRAVEL, little silt	1'0"
5									Core Terminated at 1'0" (Spoon Refusal)	
10										
15										
20										
25										
30										

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



## Core Log

<b>Project No.</b>	<u>24.05729</u>	<b>Page</b>	<u>1</u>	<b>of</b>	<u>1</u>	<b>Soil Boring No.</b>	<u>B24-5</u>
<b>Project Name</b>	<u>Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)</u>						
<b>Client</b>	<u>Washingtonville CSD, 52 West Main Street, Washingtonville, NY</u>						
<b>Elevation</b>		<b>Weather</b>	<u>60's, Coudy</u>		<b>Engineer</b>	<u>J. Strussenberg</u>	
<b>Date Started</b>	<u>10/3/2024</u>	<b>Completed</b>	<u>10/3/2024</u>		<b>Driller</b>	<u>Kevin Nash</u>	
<b>Drilling Company:</b>	<u>Core Down Drilling</u>			<b>Drilling Equipment:</b>	<u>Geoprobe 6712D7</u>		

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications	
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks	
		11							ASPHALT OVERLAY	0'1½"
			6	2	17	S-1	0'-2'	12"	ASPHALT TOP	0'3½"
	4	5							ASPHALT BINDER	0'7"
			6	5	11	S-2	2'-4'	12"	SUBBASE: CRUSHED GRAVEL, little silt	0'11"
<b>5</b>	5	8							Firm brown moist SAND, little silt, little gravel	
			12	10	20	S-3	4'-6'	16"		6'0"
	10	10							Firm brown moist SAND, some gravel, trace silt	
			12	9	22	S-4	6'-8'	6"		8'0"
<b>10</b>									Core Terminated at 8'0"	
<b>15</b>										
<b>20</b>										
<b>25</b>										
<b>30</b>										

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



## Core Log

<b>Project No.</b>	<u>24.05729</u>	<b>Page</b>	<u>1</u>	<b>of</b>	<u>1</u>	<b>Soil Boring No.</b>	<u>B24-6</u>
<b>Project Name</b>	<u>Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)</u>						
<b>Client</b>	<u>Washingtonville CSD, 52 West Main Street, Washingtonville, NY</u>						
<b>Elevation</b>		<b>Weather</b>	<u>60's, Coudy</u>		<b>Engineer</b>	<u>J. Strussenberg</u>	
<b>Date Started</b>	<u>10/3/2024</u>	<b>Completed</b>	<u>10/3/2024</u>		<b>Driller</b>	<u>Kevin Nash</u>	
<b>Drilling Company:</b>	<u>Core Down Drilling</u>				<b>Drilling Equipment:</b>	<u>Geoprobe 6712D7</u>	

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications	
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks	
		8							ASPHALT TOP	0'2"
			4	6	12	S-1	5'-11"	13"	ASPHALT BINDER	0'5"
	5	4							SUBBASE: CRUSHED GRAVEL, little silt	0'11"
			6	6	10	S-2	2'-4'	0	Loose brown moist SAND, little gravel, trace silt	4'0"
<b>5</b>	8	9							Firm brown moist GRAVEL, some sand, trace silt	
			9	10	18	S-3	4'-6'	6"		
	10	9								
			13	21	22	S-4	6'-8'	16"		
<b>10</b>									Boring Terminated at 8'0"	
<b>15</b>										
<b>20</b>										
<b>25</b>										
<b>30</b>										

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



### Core Log

<b>Project No.</b>	24.05729	<b>Page</b>	1	<b>of</b>	1	<b>Soil Boring No.</b>	B24-7
<b>Project Name</b>	Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)						
<b>Client</b>	Washingtonville CSD, 52 West Main Street, Washingtonville, NY						
<b>Elevation</b>		<b>Weather</b>	60's, Coudy		<b>Engineer</b>	J. Strussenberg	
<b>Date Started</b>	10/3/2024	<b>Completed</b>	10/3/2024		<b>Driller</b>	Kevin Nash	
<b>Drilling Company:</b>	Core Down Drilling			<b>Drilling Equipment:</b>	Geoprobe 6712D7		

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications	
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks	
		10							ASPHALT TOP	0'1½"
			5	9	15	S-1	3½"-8"	18"	ASPHALT BINDER	0'3½"
	12	12							SUBBASE: CRUSHED GRAVEL, little silt	0'8"
			12	13	24	S-2	2'-4'	16"	Firm brown moist SAND, some gravel, trace silt	4'0"
5	11	11							Firm brown wet GRAVEL, some sand, trace silt	
			10	8	21	S-3	4'-6'	18"		6'0"
	5	4							Loose brown wet SAND, some gravel, trace silt	
			5	12	9	S-4	6'-8'	24"		8'0"
10									Boring Terminated at 8'0"	
15										
20										
25										
30										

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



### Core Log

<b>Project No.</b>	24.05729	<b>Page</b>	1	<b>of</b>	1	<b>Soil Boring No.</b>	B24-8
<b>Project Name</b>	Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)						
<b>Client</b>	Washingtonville CSD, 52 West Main Street, Washingtonville, NY						
<b>Elevation</b>		<b>Weather</b>	60's, Coudy		<b>Engineer</b>	J. Strussenberg	
<b>Date Started</b>	10/3/2024	<b>Completed</b>	10/3/2024		<b>Driller</b>	Kevin Nash	
<b>Drilling Company:</b>	Core Down Drilling			<b>Drilling Equipment:</b>	Geoprobe 6712D7		

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications	
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks	
		50/6"			50/6"	S-1	5 1/2"-10"	6"	ASPHALT TOP (delaminated)	0'1"
									ASPHALT BINDER (delaminated)	0'3 1/2"
									ASPHALT BINDER (delaminated)	0'4 1/2"
									ASPHALT BINDER	0'5 1/2"
									Black TAR with gravel, trace sand	0'10"
5									CONCRETE	1'1"
									Core Terminated at 1'1" (Spoon Refusal)	
10										
15										
20										
25										
30										

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



### Core Log

<b>Project No.</b>	24.05729	<b>Page</b>	1	<b>of</b>	1	<b>Soil Boring No.</b>	B24-9
<b>Project Name</b>	Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (High School)						
<b>Client</b>	Washingtonville CSD, 52 West Main Street, Washingtonville, NY						
<b>Elevation</b>		<b>Weather</b>	60's, Coudy		<b>Engineer</b>	J. Strussenberg	
<b>Date Started</b>	10/3/2024	<b>Completed</b>	10/3/2024		<b>Driller</b>	Kevin Nash	
<b>Drilling Company:</b>	Core Down Drilling			<b>Drilling Equipment:</b>	Geoprobe 6712D7		

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications	
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks	
		8							ASPHALT TOP	0'2"
			14	11	22	S-1	6"-2'	12"	ASPHALT BINDER	0'5 1/2"
	10	9							SUBBASE: CRUSHED GRAVEL, little silt	1'5"
			10	11	19	S-2	2'-4'	14"	Firm moist SAND, some gravel, trace silt	4'0"
5	11	12							Compact brown moist SAND and GRAVEL, little silt	6'0"
			14	22	26	S-3	4'-6'	10"	Core Terminated at 6'0"	
10										
15										
20										
25										
30										

- Notes:
1. Dry upon completion.
  2. Advanced hole using hollow stem augers.
  3. Bore hole backfilled using auger spoils.



## Boring Log

<b>Project No.</b>	24.05729	<b>Page</b>	1	<b>of</b>	1	<b>Soil Boring No.</b>	B24-10
<b>Project Name</b>	Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (Elementary)						
<b>Client</b>	Washingtonville CSD, 52 West Main Street, Washingtonville, NY						
<b>Elevation</b>		<b>Weather</b>	60's, Coudy		<b>Engineer</b>	J. Strussenberg	
<b>Date Started</b>	10/3/2024	<b>Completed</b>	10/3/2024		<b>Driller</b>	Kevin Nash	
<b>Drilling Company:</b>	Core Down Drilling			<b>Drilling Equipment:</b>	Geoprobe 6712D7		

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks
	1	WH							TOPSOIL 0'7"
			1	3	1	S-1	0'-2'	16"	Loose brown moist SAND, some gravel, trace silt 2'2"
	2	2							Loose brown/gray GRAVEL, some sand, trace silt
			2	2	4	S-2	2'-4'	11"	
<b>5</b>	4	4							
			6	7	10	S-3	4'-6'	6"	
	4	7							S-4: Compact, saturated at 7'
			23	15	30	S-4	6'-8'	18"	
	12	11				S-5	8'-9'6"	18"	S-5: Firm, moist
<b>10</b>			9	13	20	S-6	9'6"-10'	3"	9'6" Firm gray moist SAND, some gravel, trace silt
	19	24							
<b>15</b>			49	50/3"	93	S-7	13'-14'9"		S-7: Very dense, saturated 14'9" Boring Terminated at 14'9" (Spoon Refusal)
<b>20</b>									
<b>25</b>									
<b>30</b>									Notes: 1. Dry upon completion. 2. Advanced hole using hollow stem augers. 3. Bore hole backfilled using auger spoils.

N=No. of blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow Hammer: Auto Size Rod: 2"



## Boring Log

<b>Project No.</b>	<u>24.05729</u>	<b>Page</b>	<u>1</u>	<b>of</b>	<u>1</u>	<b>Soil Boring No.</b>	<u>B24-11</u>
<b>Project Name</b>	<u>Washingtonville CSD Improvements, 54 West Main Street, Washingtonville, NY (Elementary)</u>						
<b>Client</b>	<u>Washingtonville CSD, 52 West Main Street, Washingtonville, NY</u>						
<b>Elevation</b>		<b>Weather</b>	<u>60's, Coudy</u>		<b>Engineer</b>	<u>J. Strussenberg</u>	
<b>Date Started</b>	<u>10/3/2024</u>	<b>Completed</b>	<u>10/3/2024</u>		<b>Driller</b>	<u>Kevin Nash</u>	
<b>Drilling Company:</b>	<u>Core Down Drilling</u>				<b>Drilling Equipment:</b>	<u>Geoprobe 6712D7</u>	

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Rec	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"					Remarks
	3	4							TOPSOIL 0'10"
			3	5	7	S-1	0'-2'	10"	FILL: Loose wet dark brown/black SAND, little gravel, trace silt, trace organics
	11	3							
			3	6	6	S-2	2'-4'	10"	(Hard augering at 5', possible debris/boulders)
<b>5</b>									
	4	4							
			6	7	10	S-3	6'-8'	22"	
	5	7							9'3"
<b>10</b>			5	8	12	S-4	8'-10'	17"	
									Loose brown wet SAND, little gravel, trace silt
									11'0"
									Very dense brown moist SAND, some gravel, little silt
	25	27							15'0"
<b>15</b>			36	28	63	S-5	13'-15'	-	
									Boring Terminated at 15'0"
<b>20</b>									
<b>25</b>									
<b>30</b>									

**Notes:**

1. Dry upon completion.
2. Advanced hole using hollow stem augers.
3. Bore hole backfilled using auger spoils.

**Washingtonville CSD  
Washingtonville, New York  
Core Picture Table**



B24-4 Core Location



B24-4 Core



B24-5 Core Location



B24-5 Core

**Washingtonville CSD  
Washingtonville, New York  
Core Picture Table**



B24-6 Core Location



B24-6 Core



B24-7 Core Location



B24-7 Core

**Washingtonville CSD  
Washingtonville, New York  
Core Picture Table**



B24-8 Core Location



B24-8 Core



B24-9 Core Location



B24-9 Core



SOIL • BEDROCK • GROUNDWATER

October 9, 2024

Washingtonville Central School District  
52 West Main Street  
Washingtonville New York 10992

Attention: Sandra Clohessy,  
Asst. Superintendent for Business

Reference: Washingtonville CSD  
54 West Main Street, Washingtonville, New York  
Laboratory Test Results, 5729.0

Dear Ms. Clohessy:

Foundation Design, P.C. is pleased to present the following results of the laboratory testing performed on the referenced project. The testing was performed in accordance with the following ASTM test methods:

10	Sieve Analysis	ASTM D-1140
7	Moisture Content Test	ASTM D-2216
1	Organic Content Determination	ASTM D-2974

We appreciate the opportunity to provide these testing services and look forward to hearing from you again in the near future.

Sincerely,

**FOUNDATION DESIGN, P.C.**

Jay A. Goggin  
Laboratory Manager



**Washingtonville CSD**  
**54 West Main Street, Washingtonville, New York**  
**5729.0**

10.09.2024

**Moisture Content Test Report**  
**(ASTM D-2216)**

<b>Moisture Content Test Results</b>				
<b>Boring Number</b>	B24-1	B24-2	B24-3	B24-3
<b>Sample Number</b>	S-3	S-9	S-4	S-7
<b>Depth</b>	4'-6'	25'-27'	6'-8'	13'-15'
<b>Moisture Content (%)</b>	<b>11.5</b>	<b>12.7</b>	<b>6.5</b>	<b>22.3</b>

<b>Moisture Content Test Results</b>			
<b>Boring Number</b>	B24-5	B24-9	B24-10
<b>Sample Number</b>	S-2	S-2	S-2
<b>Depth</b>	2'-4'	2'-4'	2'-4'
<b>Moisture Content (%)</b>	<b>11.7</b>	<b>7.4</b>	<b>22.2</b>



**Washingtonville CSD  
54 West Main Street, Washingtonville, New York  
5729.0**

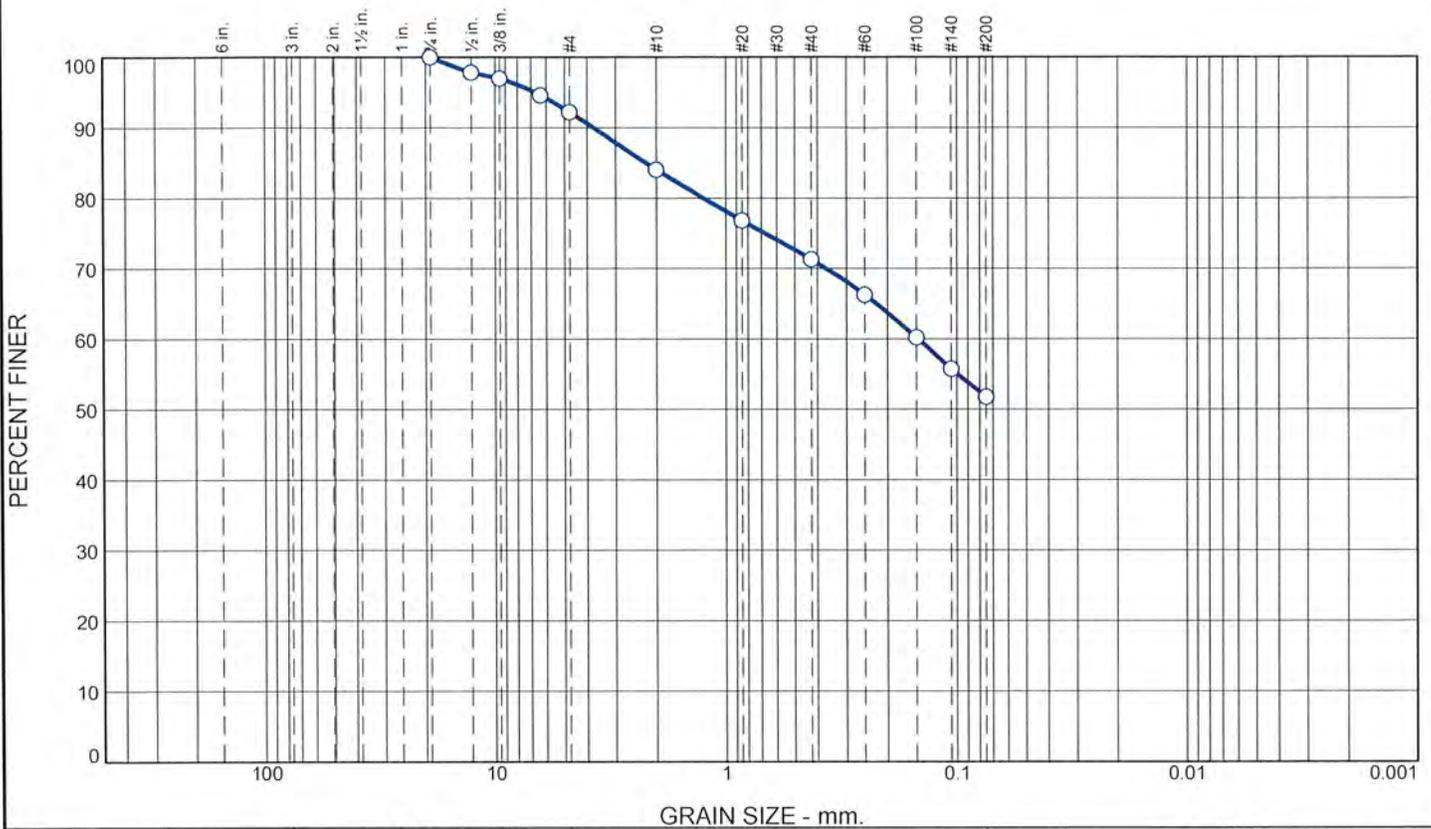
**10.09.24**

**Moisture and Organic Content Test Report  
(ASTM D-2216 and ASTM D-2974)**

<b>Moisture and Organic Content Test Results</b>	
<b>Boring Number</b>	B24-11
<b>Sample Number</b>	S-2
<b>Depth</b>	2'-4'
<b>Moisture Content (%)</b>	<b>49.7</b>
<b>Ash Content (%)</b>	<b>91.8</b>
<b>Organic Content (%)</b>	<b>8.2</b>

# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	8	8	13	19	52	

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
3/4"	100			
1/2"	98			
3/8"	97			
1/4"	95			
#4	92			
#10	84			
#20	77			
#40	71			
#60	66			
#100	60			
#140	56			
#200	52			

\* (no specification provided)

**Material Description**

ML: Brown sandy silt per ASTM D2488

**Atterberg Limits**

PL=                      LL=                      PI=

**Coefficients**

D<sub>90</sub>= 3.7401      D<sub>85</sub>= 2.2166      D<sub>60</sub>= 0.1475  
 D<sub>50</sub>=              D<sub>30</sub>=              D<sub>15</sub>=  
 D<sub>10</sub>=              C<sub>u</sub>=              C<sub>c</sub>=

**Classification**

USCS=                      AASHTO=

**Test Remarks**

Test performed on 236.51 grams of oven dried sample

Source of Sample: B24-1      Depth: 4-6'  
 Sample Number: S-3

Sample Date: 10/7/2024



**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
 Project: Washington CSD, 52 West Main Street, Washingtonville New York

Project No: 5729.0

Figure

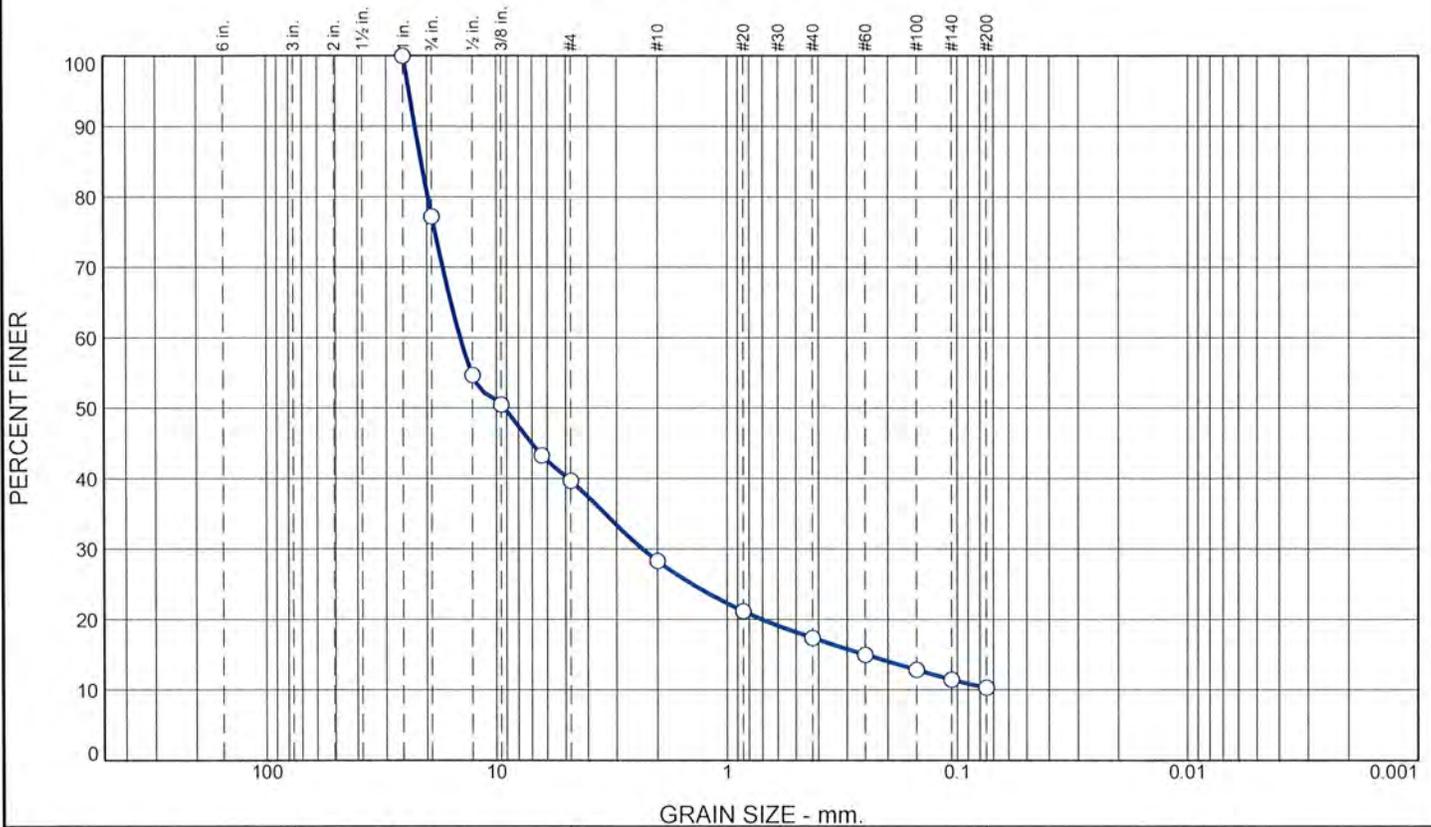
Tested By: RLS

Checked By: JAG



# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	23	37	12	11	7	10	

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1"	100			
3/4"	77			
1/2"	55			
3/8"	51			
1/4"	43			
#4	40			
#10	28			
#20	21			
#40	17			
#60	15			
#100	13			
#140	11			
#200	10			

\* (no specification provided)

**Material Description**

GP-GM: Brown poorly graded gravel with silt and sand per ASTM D2488

**Atterberg Limits**

PL=                      LL=                      PI=

**Coefficients**

D<sub>90</sub>= 22.4831      D<sub>85</sub>= 21.1455      D<sub>60</sub>= 14.3630  
 D<sub>50</sub>= 9.2312      D<sub>30</sub>= 2.3206      D<sub>15</sub>= 0.2502  
 D<sub>10</sub>=                      C<sub>u</sub>=                      C<sub>c</sub>=

**Classification**

USCS=                      AASHTO=

**Test Remarks**

Test performed on 244.00 grams of oven dried sample

Source of Sample: B24-3      Depth: 6'-8'  
 Sample Number: S-4

Sample Date: 10/7/24



**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
 Project: Washington CSD, 52 West Main Street, Washingtonville New York

Project No: 5729.0

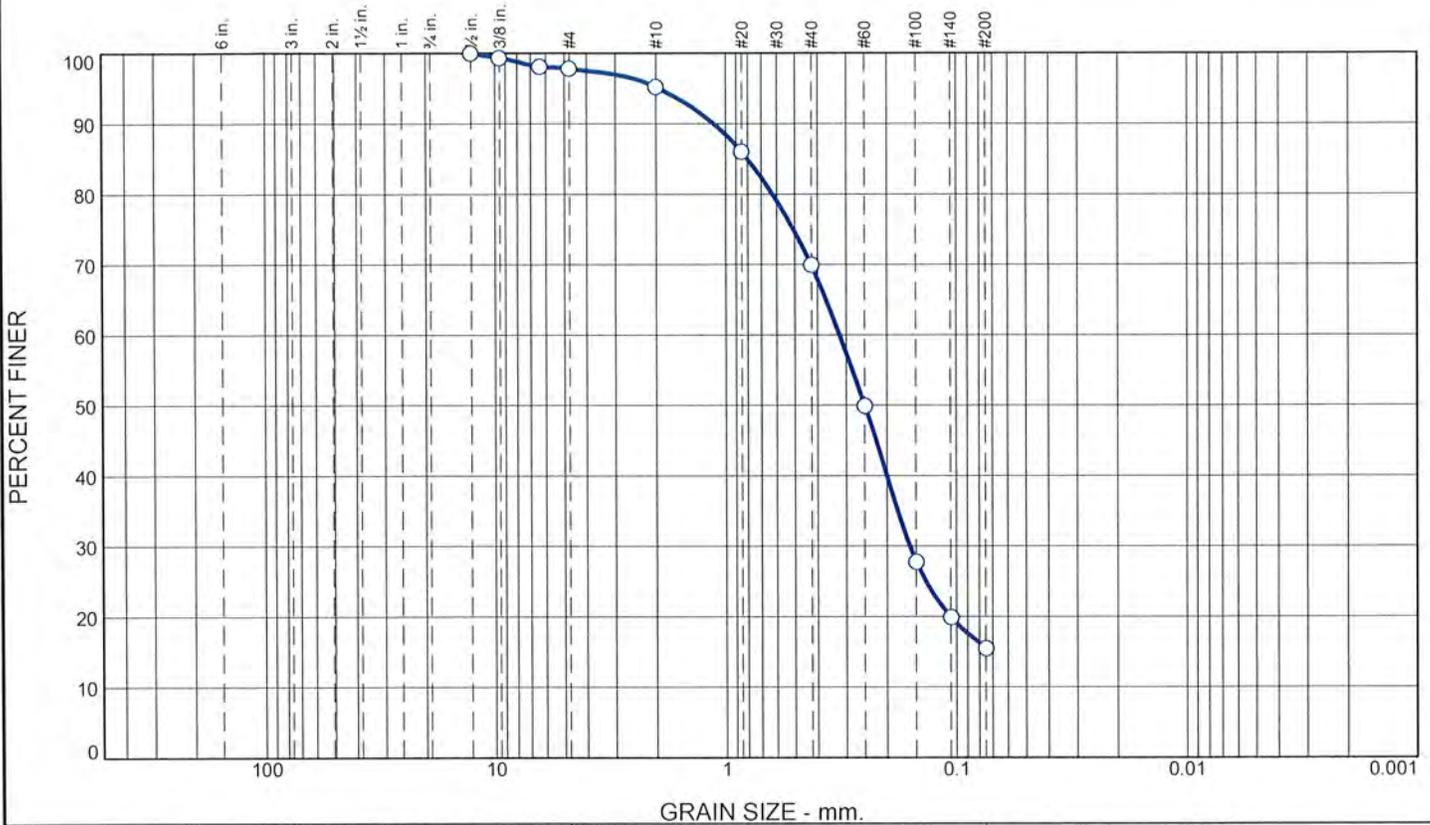
Figure

Tested By: RLS

Checked By: JAG

# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	2	3	25	55	15	

Test Results (ASTM D422 & D1140)				
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1/2"	100			
3/8"	99			
1/4"	98			
#4	98			
#10	95			
#20	86			
#40	70			
#60	50			
#100	28			
#140	20			
#200	15			

\* (no specification provided)

**Material Description**  
SM: Brown silty sand per ASTM D2488

**Atterberg Limits**  
PL=                      LL=                      PI=

**Coefficients**  
D<sub>90</sub>= 1.1184      D<sub>85</sub>= 0.8010      D<sub>60</sub>= 0.3208  
D<sub>50</sub>= 0.2504      D<sub>30</sub>= 0.1597      D<sub>15</sub>=  
D<sub>10</sub>=                      C<sub>u</sub>=                      C<sub>c</sub>=

**Classification**  
USCS=                      AASHTO=

**Test Remarks**  
Test performed on 195.97 grams of oven dried sample

Source of Sample: B24-3  
Sample Number: S-7

Depth: 13'-15'

Sample Date: 10/7/24



**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
Project: Washington CSD, 52 West Main Street, Washingtonville New York

Project No: 5729.0

Figure

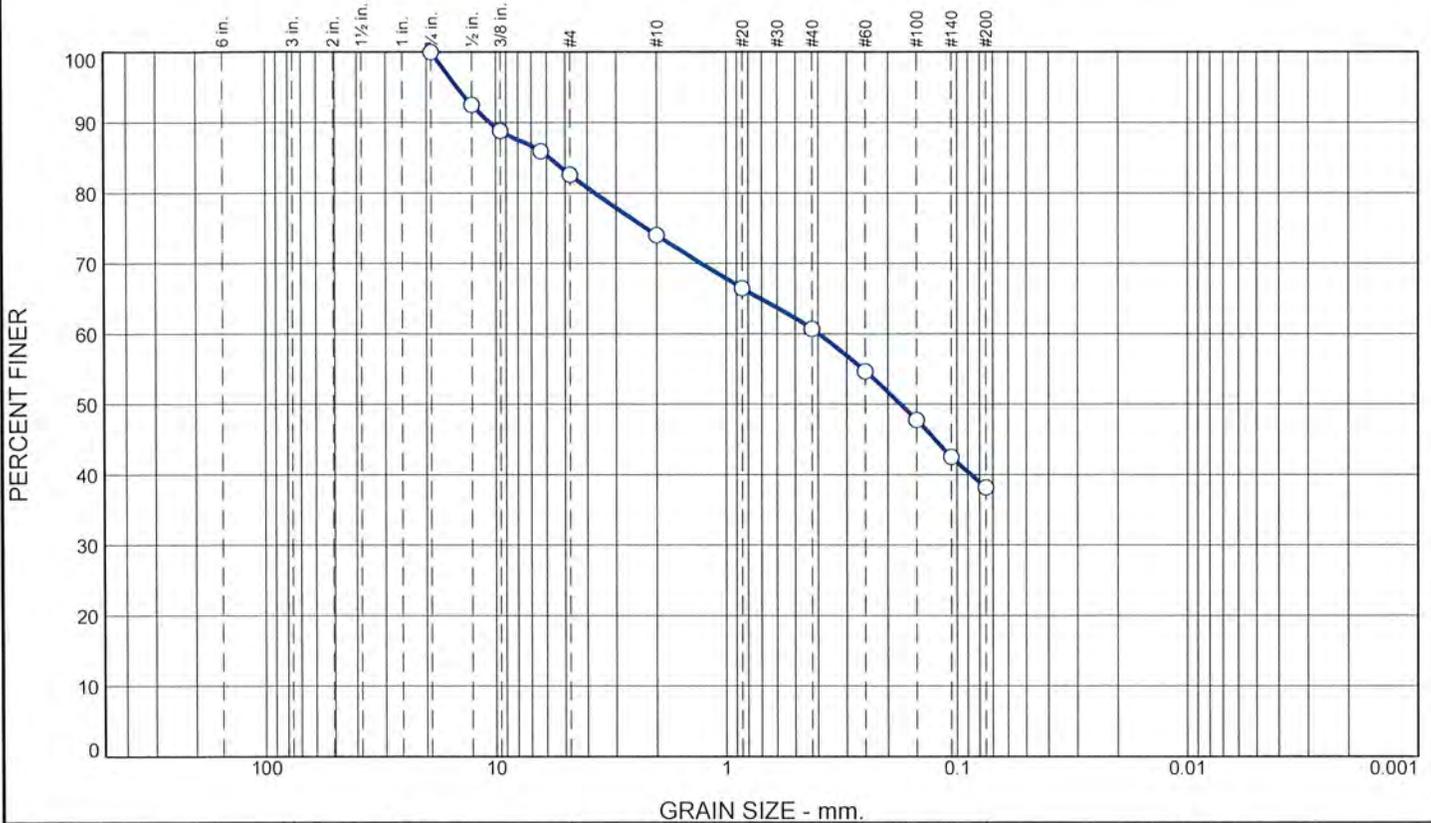
Tested By: RLS

Checked By: JAG



# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	17	9	13	23	38	

Test Results (ASTM D422 & D1140)				
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
3/4"	100			
1/2"	93			
3/8"	89			
1/4"	86			
#4	83			
#10	74			
#20	66			
#40	61			
#60	55			
#100	48			
#140	43			
#200	38			

\* (no specification provided)

**Material Description**

SM: Tan brown silty sand with gravel per ASTM D2488

**Atterberg Limits**  
 PL=                      LL=                      PI=

**Coefficients**  
 D<sub>90</sub>= 10.5785      D<sub>85</sub>= 5.8123                      D<sub>60</sub>= 0.3957  
 D<sub>50</sub>= 0.1756      D<sub>30</sub>=                                      D<sub>15</sub>=  
 D<sub>10</sub>=                      C<sub>u</sub>=                                      C<sub>c</sub>=

**Classification**  
 USCS=                      AASHTO=

**Test Remarks**

Test performed on 289.40 grams of oven dried sample

Source of Sample: B24-5      Depth: 2'-4'  
 Sample Number: S-2

Sample Date: 10/7/24



**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
 Project: Washington CSD, 52 West Main Street, Washingtonville New York

Project No: 5729.0

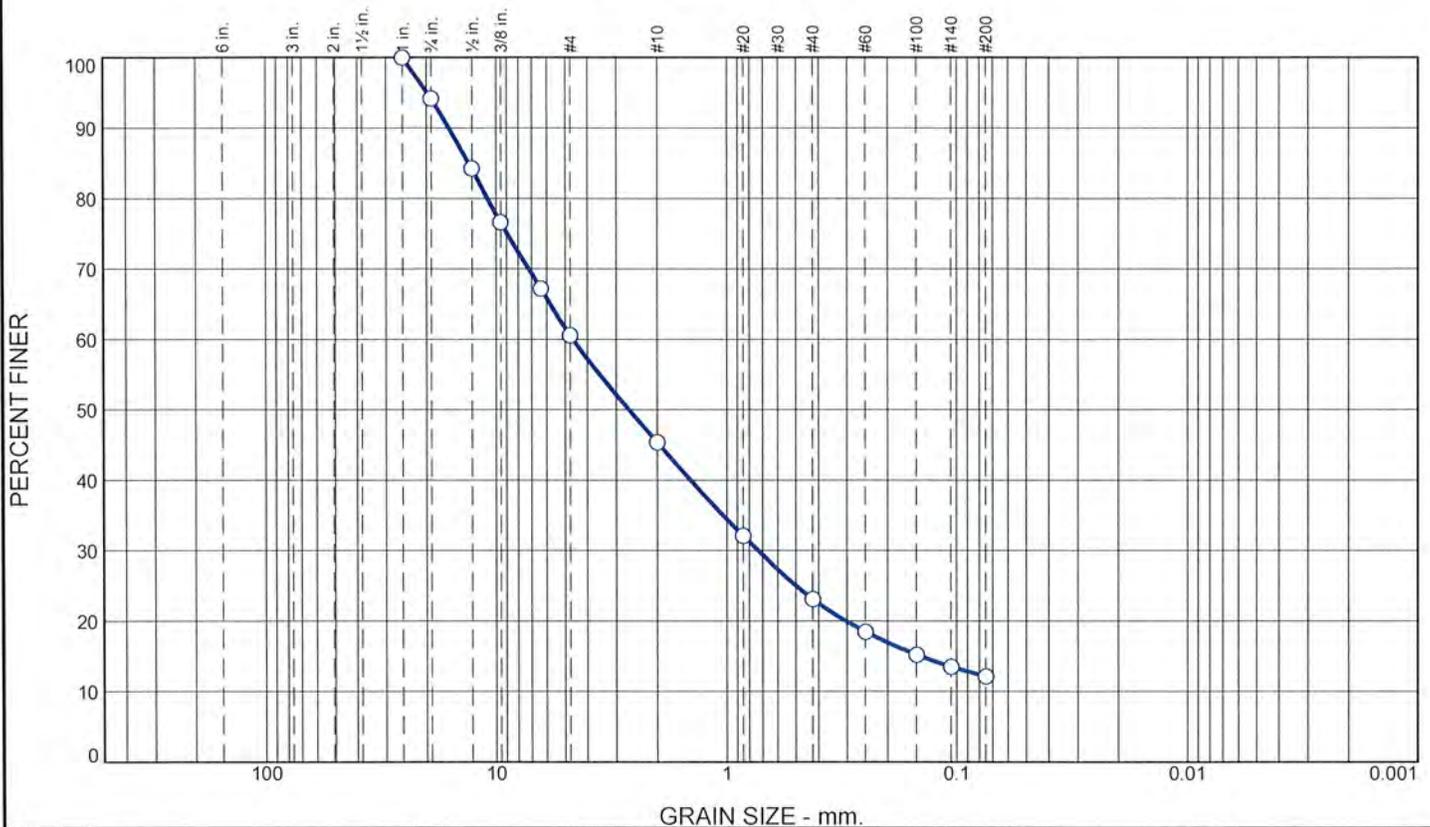
Figure

Tested By: RLS

Checked By: JAG

# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	6	33	16	22	11	12	

Test Results (ASTM D422 & D1140)				
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1"	100			
3/4"	94			
1/2"	84			
3/8"	77			
1/4"	67			
#4	61			
#10	45			
#20	32			
#40	23			
#60	18			
#100	15			
#140	13			
#200	12			

\* (no specification provided)

**Material Description**

SP-SM: Brown poorly graded sand with silt and gravel per ASTM D2488

**Atterberg Limits**

PL=                      LL=                      PI=

**Coefficients**

D<sub>90</sub>= 15.9401      D<sub>85</sub>= 13.0768      D<sub>60</sub>= 4.6194  
D<sub>50</sub>= 2.6478      D<sub>30</sub>= 0.7324      D<sub>15</sub>= 0.1440  
D<sub>10</sub>=                      C<sub>u</sub>=                      C<sub>c</sub>=

**Classification**

USCS=                      AASHTO=

**Test Remarks**

test performed on 289.84 grams of oven dried sample

Source of Sample: B24-6      Depth: -  
Sample Number: Subbase

Sample Date: 10/7/24

**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
Project: Washington CSD, 52 West Main Street, Washingtonville New York

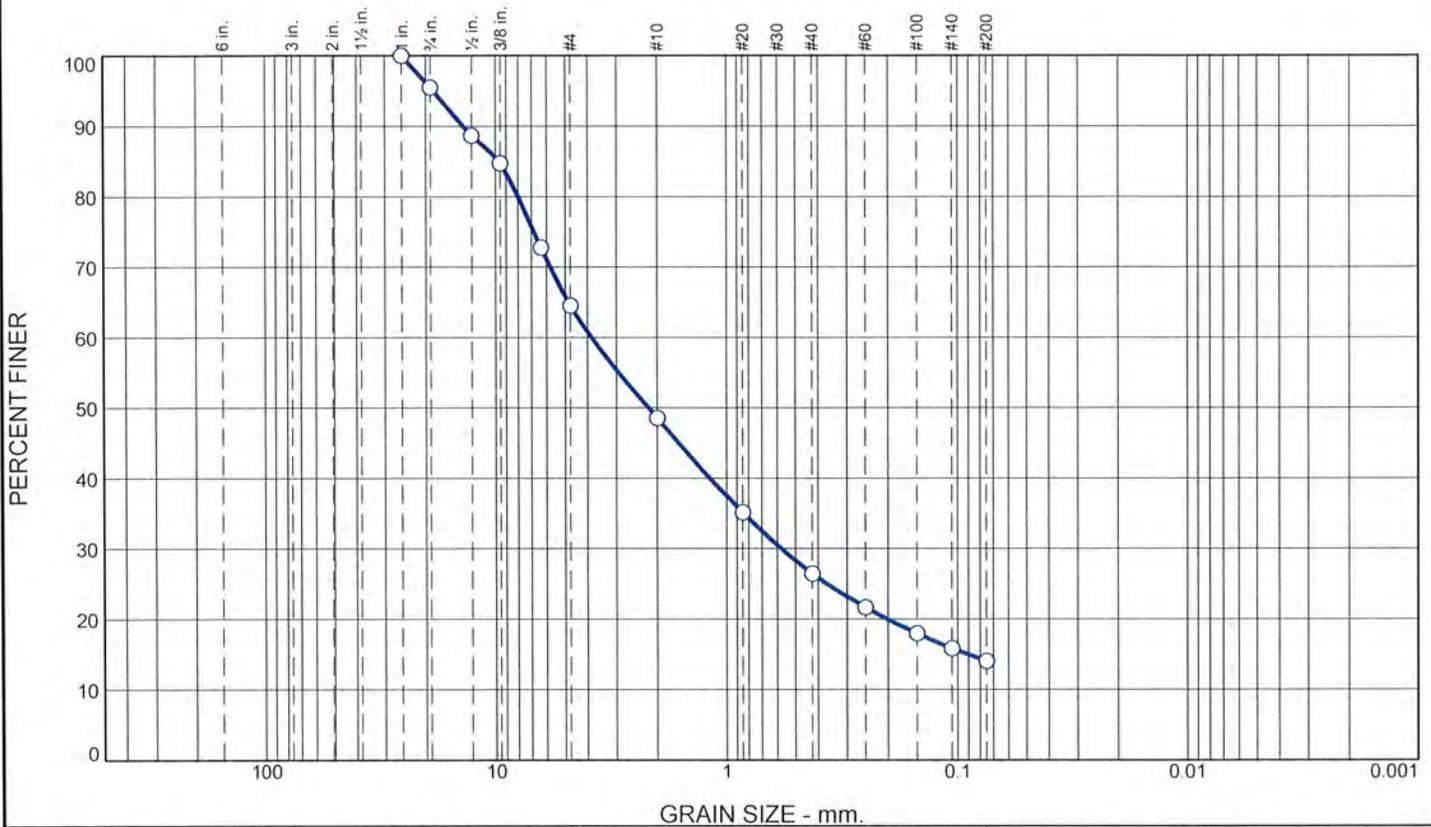
Project No: 5729.0      Figure

Tested By: RLS

Checked By: JAG

# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	5	30	16	23	12	14	

Test Results (ASTM D422 & D1140)				
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1"	100			
3/4"	95			
1/2"	89			
3/8"	85			
1/4"	73			
#4	65			
#10	49			
#20	35			
#40	26			
#60	22			
#100	18			
#140	16			
#200	14			

\* (no specification provided)

**Material Description**

SM: Brown silty sand with gravel per ASTM D2488

**Atterberg Limits**  
 PL=                      LL=                      PI=

**Coefficients**  
 D<sub>90</sub>= 13.7784      D<sub>85</sub>= 9.6401              D<sub>60</sub>= 3.8479  
 D<sub>50</sub>= 2.1770        D<sub>30</sub>= 0.5773              D<sub>15</sub>= 0.0905  
 D<sub>10</sub>=                      C<sub>u</sub>=                      C<sub>c</sub>=

**Classification**  
 USCS=                      AASHTO=

**Test Remarks**

Test performed on 304.24 grams of oven dried sample

Source of Sample: B24-9  
 Sample Number: Subbase

Depth: -

Sample Date: 10/7/24



**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
 Project: Washington CSD, 52 West Main Street, Washingtonville New York

Project No: 5729.0

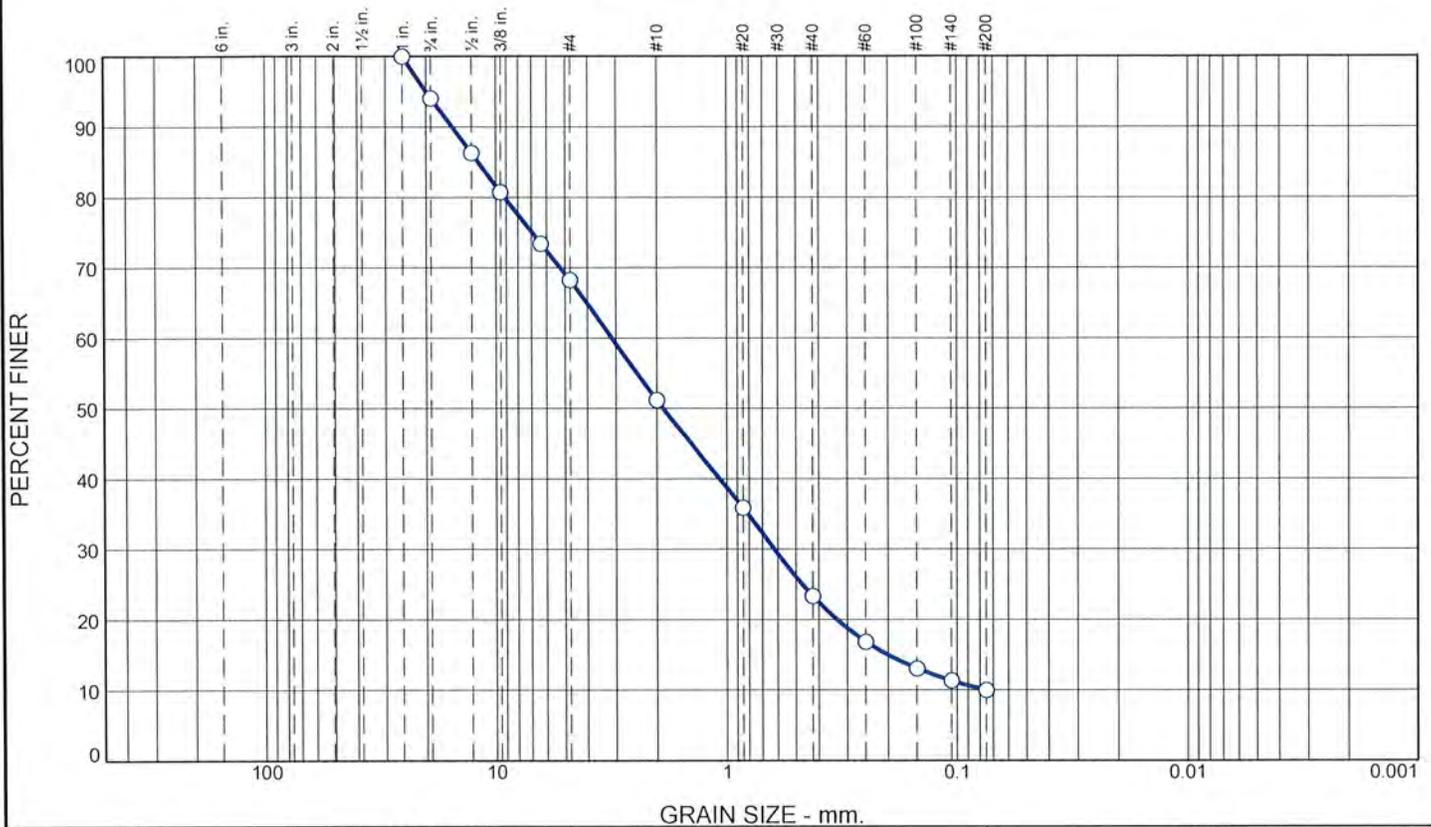
Figure

Tested By: RLS

Checked By: JAG

# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	6	26	17	28	13	10	

Test Results (ASTM D422 & D1140)				
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
1"	100			
3/4"	94			
1/2"	86			
3/8"	81			
1/4"	73			
#4	68			
#10	51			
#20	36			
#40	23			
#60	17			
#100	13			
#140	11			
#200	10			

\* (no specification provided)

**Material Description**

SW-SM: Brown well-graded sand with silt and gravel per ASTM D2488

**Atterberg Limits**  
 PL=                      LL=                      PI=

**Coefficients**  
 D<sub>90</sub>= 15.4305      D<sub>85</sub>= 11.8771      D<sub>60</sub>= 3.1278  
 D<sub>50</sub>= 1.8775      D<sub>30</sub>= 0.6211      D<sub>15</sub>= 0.2015  
 D<sub>10</sub>= 0.0756      C<sub>u</sub>= 41.38      C<sub>c</sub>= 1.63

**Classification**  
 USCS=                      AASHTO=

**Test Remarks**

test performed on 291.18 grams of oven dried sample

Source of Sample: B24-9      Depth: 2'-4'  
 Sample Number: S-2

Sample Date: 10/7/24



**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
 Project: Washington CSD, 52 West Main Street, Washingtonville New York

Project No: 5729.0

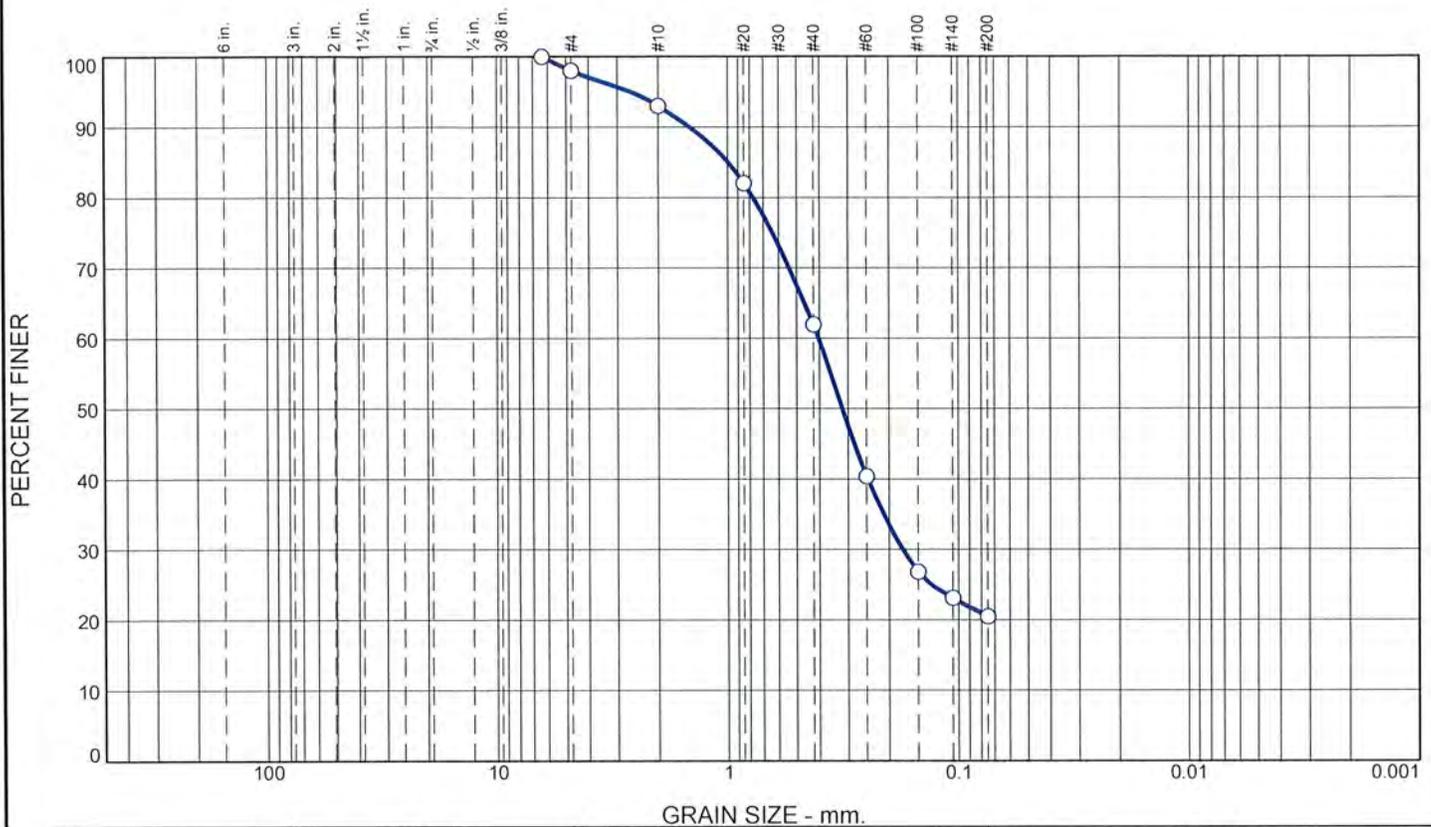
Figure

Tested By: RLS

Checked By: JAG

# Particle Size Distribution Report

ASTM D422 & D1140



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	2	5	31	42	20	

Test Results (ASTM D422 & D1140)				
Sieve Size or Diam. (mm.)	Finer (%)	Spec. * (%)	Out of Spec. (%)	Pct. of Fines
1/4"	100			
#4	98			
#10	93			
#20	82			
#40	62			
#60	40			
#100	27			
#140	23			
#200	20			

\* (no specification provided)

**Material Description**  
SM: Brown silty sand per ASTM D2488

**Atterberg Limits**  
 PL=                      LL=                      PI=

**Coefficients**  
 D<sub>90</sub>= 1.4559      D<sub>85</sub>= 0.9938      D<sub>60</sub>= 0.4028  
 D<sub>50</sub>= 0.3179      D<sub>30</sub>= 0.1743      D<sub>15</sub>=  
 D<sub>10</sub>=                      C<sub>u</sub>=                      C<sub>c</sub>=

**Classification**  
 USCS=                      AASHTO=

**Test Remarks**  
 test performed on 150.81 grams of oven dried sample

Source of Sample: B24-10  
 Sample Number: S-2

Depth: 2'-4'

Sample Date: 10/7/24



**Foundation Design, P.C.**

Client: Washingtonville CSD, 52 West Main Street, Washingtonville New York  
 Project: Washington CSD, 52 West Main Street, Washingtonville New York

Project No: 5729.0

Figure

Tested By: RLS

Checked By: JAG

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Quality Environmental Solutions & Technologies, Inc.

**PRE-CONSTRUCTION SURVEY REPORT  
FOR  
ASBESTOS-CONTAINING MATERIALS (ACM)  
LEAD-BASED PAINTS (LBP)**

**Prepared for:**

**WASHINGTONVILLE CSD  
52 W Main Street  
Washingtonville, NY 10992**

**at**

**WASHINGTONVILLE MIDDLE SCHOOL  
AND HIGH SCHOOL  
38/54 W Main Street  
Washingtonville, NY 10992**

**August 13, 2025**

**QuES&T Project #Q25-6817**

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# QuES&T

Quality Environmental Solutions & Technologies, Inc.

August 13, 2025

WASHINGTONVILLE CSD  
52 W Main Street  
Washingtonville, NY 10992

**ATTN: Jack Rallo**

Via E-mail: [jrallo@wcsdk12.org](mailto:jrallo@wcsdk12.org)

Re: Washingtonville CSD  
Washingtonville Middle School and High School  
Pre-Construction Asbestos & Lead  
QuES&T Project #25-6817

Dear Mr. Rallo,

Attached is the Pre-Construction Inspection Report for Asbestos-containing Materials (ACM) & Lead-Based Paints (LBP) identified throughout areas included within the above-referenced location(s) by **Quality Environmental Solutions & Technologies, Inc. (QuES&T)**. The inspection included visual assessment of the location in question, and representative sampling, as required, in compliance with the requirements of all applicable federal, state, and local regulations.

The attached report summarizes the inspection protocol and inspection results for your review. **QuES&T** believes this report accurately reflects the material condition existing in the functional spaces at the time of our inspection.

Should you wish to discuss this matter further or require additional information concerning this submittal, please contact us at (845) 298-6031. **QuES&T** appreciates the opportunity to assist Washingtonville CSD in the environmental services area.

Sincerely,



**Shannon D. Talsma**

Field & Technical Services

NYS/AHERA Inspector/Project Monitor Cert. #AH 24-61PEC-SHAB

NYS State Mold Assessor Cert. # 25-601D6-SHMO

Niton-Certified XRF Technician

[stalsma@qualityenv.com](mailto:stalsma@qualityenv.com)



---

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified [www.Qualityenv.com](http://www.Qualityenv.com)

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# QuES&T

Quality Environmental Solutions & Technologies, Inc.

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<b>Appendix D</b>	<b>Laboratory, Company &amp; Personnel Licenses &amp; Certifications</b>	

## EXECUTIVE SUMMARY

Quality Environmental Solutions & Technologies, Inc. (**QuES&T**) was retained by Washingtonville CSD to conduct a Pre-Construction Survey for the presence of Asbestos-containing Materials (ACM) & Lead-based Paints (LBP) in support of the 2024 Capital Project- Phase 3, located at Washingtonville Middle School and High School at 38/54 W Main Street Washingtonville, NY.

The survey included a visual inspection/assessment for suspect hazardous material(s), as detailed above, which are likely to be affected by planned demolition/renovations/construction activities. Inspection and sampling were limited to areas/materials slated for demolition/renovation/construction.

The survey was conducted by **QuES&T** personnel on July 24-25, 2025. Asbestos & Lead inspections and/or sampling was conducted by NYSDOL Asbestos Inspector(s) Shannon D. Talsma (Cert# 24-61PEC-SHAB), Abraham Castellanos (Cert# 24-6ZVXY-SHAB) and Caroline Annesi (Cert# 25-6TL1I-SHAB). The lead survey was conducted by Niton-Certified XRF Technician Caroline Annesi utilizing X-Ray Fluorescence Technology (XRF).

## ASBESTOS

Laboratory analysis and/or existing sampling data indicated the following materials as Asbestos-containing Materials (greater than 1% asbestos) (**Refer to Table I & Appendix A for details and locations**)

### **Washingtonville Middle School Kitchen Office**

- Floor Tile and Mastic, White 12x12 Tiles

## LEAD

Based on review of the data generated by the Viken Pb200i XRF Spectrum Analyzer, the following surfaces within the scope of work were identified as lead based as defined by HUD/EPA (equal to or in excess of 1.0 milligram per square centimeter) (**Refer to Table II & Appendix B for details**):

### **Middle School Exterior**

- Main Entrance, Base of Pillar, Wood, White
- Main Entrance, Wall, Plaster, Gray
- Main Staircase, Window Frame, Wood, White
- Main Staircase, Window décor, Wood, White
- SW Staircase, Window Frame, Wood, White
- E Staircase, Window Frame, Wood, White

### **Middle School Interior**

- Café A, Wall, Ceramic Wall Tile, Peach
- Café A, Wall, Ceramic Wall Tile, Green

It should be noted that several components tested did in fact contain minimal lead-levels below the EPA threshold level of 1.0 mg/sq. cm for classification as Lead-Based Paint (LBP) and are considered lead-containing coatings by the OSHA Regulation, "Lead Exposure in Construction" (29 CFR 1926.62). OSHA does not recognize a minimum limit for lead concentrations in paint for the purposes of disturbance. Monitoring of workers performing demolition/cleaning/disturbance of painted surfaces shall be completed to document personnel occupational exposure. Items containing any amount of lead concentration are considered lead-containing coatings per 29 CFR 1926.62, OSHA Lead Exposure in Construction.

## 1.0 INTRODUCTION:

Quality Environmental Solutions & Technologies, Inc. (**QuES&T**) performed a Pre-Construction Survey for the presence of Asbestos-containing Materials (ACM) & Lead-based Paint (LBP) in conformance with the requirements of all applicable federal, state, and local regulations. The survey included a visual inspection/assessment, and representative sampling of suspect hazardous materials, as required, throughout accessible interior and exterior locations to be affected by future renovations of Washingtonville Middle School and High School.

Certified **QuES&T** personnel, Shannon D Talsma, Abraham Castellanos and Caroline Annesi conducted field inspection(s) on July 24-25, 2025. The inspection scope was established based on review of work scope drawings. Results and findings from previous surveys conducted by **QuES&T** were not utilized in this inspection.

**QuES&T** established functional spaces based either on physical barriers (i.e., walls, doors, etc.) or homogeneity of material. Within each functional space identified, a visual inspection was performed using reasonable care and judgment, to identify and assess location, quantity, friability, and/or condition, as applicable, of all accessible installed building materials observed at the affected portion of the building/structure.

Limited localized demolition of building surfaces was performed, as part of this survey, to access concealed surfaces. No disassembly of installed equipment was conducted as part of this inspection. ACM and/or LBP, concealed within structural components and equipment interiors or that is accessible only through extensive mechanical or structural demolition may not have been identified as part of this survey.

Homogenous material types were established based on appearance, color, and texture. The findings presented in this report are based upon reasonably available information and observed site conditions at the time the assessment was performed. The findings and conclusions of this report are not meant to be indicative of future conditions at the site and does not warrant against conditions that were not evident from visual observations or historical information obtained from others.

## 2.0 ASBESTOS SURVEY:

### 2.1 INSPECTION SUMMARY

**QuES&T** performed a Pre-Construction Survey, in conformance with Title 12 NYCRR Part 56-5.1, for Washingtonville CSD in support of the 2024 Capital Project- Phase 3 at 38/54 W Main Street Washingtonville, NY 10992. The survey included a visual inspection / assessment for Presumed Asbestos-containing Materials (PACM) and suspect miscellaneous Asbestos-containing Materials (ACM) throughout accessible interior and exterior locations to be affected by future renovations, as detailed above. Results and findings from previous inspections conducted by **QuES&T** were utilized in this inspection.

Limited localized demolition of building surfaces was performed, as part of this survey, to access concealed surfaces. No disassembly of installed equipment was conducted as part of this inspection. ACM concealed within structural components and equipment interiors or that is accessible only through extensive mechanical or structural demolition may not have been identified as part of this survey. When any construction activity, such as demolition, remodeling, renovation, or repair work, reveals PACM or suspect miscellaneous ACM that has not been identified, as part of this survey, all construction activities shall cease in the affected area.

The survey included both visual inspection of accessible spaces and representative sampling of suspect building materials for ACM. Samples collected were analyzed by a laboratory approved under the New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP). Samples were analyzed in the laboratory by Polarized Light Microscopy (PLM), Polarized Light Microscopy-NOB (PLM-NOB) and/or Quantitative Transmission Electron Microscopy (QTEM), as required. Sample collection and laboratory analysis were conducted in compliance with the requirements of Title 12 NYCRR Part 56-5.1, 29 CFR 1926.1101 and standard EPA & OSHA accepted methods. Samples consisting of multiple layers were separated and analyzed independently in the laboratory.

## 2.2 SAMPLE COLLECTION & ANALYTICAL PROCEDURES

Representative bulk sampling was performed on suspect building materials for laboratory analysis using PLM, PLM-NOB, and/or QTEM. The following is a summary of installed building materials sampled:

- Wall Materials – Plaster, Exterior Façade, Joint Compound, Sheetrock, Ceramic Wall Tile, Brick & Mortar, Grout.
- Ceiling Materials – Suspended Ceiling tile, Gypsum board.
- Flooring Materials – Leveling compound, Concrete Slab, Vapor Barrier Paper, Grout, Quarry Tile, Ceramic Floor Tile, Mastic, Cove Base, Mud Set, Setting Bed.
- Thermal System Insulation Materials (TSI) – Fiberglass, ISO insulation.
- Roofing Materials – EPDM Roof, Isofoam Roof.
- Miscellaneous Materials – Caulk, Tar Paper, Glazing.

Certified **QuES&T** personnel (Appendix C), Shannon D. Talsma (Cert# 24-61PEC-SHAB), Abraham Castellanos (Cert# 24-6ZVXY-SHAB) and Caroline M. Annesi (Cert# 25-6TL1I-SHAB) performed visual assessments throughout interior and exterior construction areas. A total of ninety-four (**94**) samples/layers of installed and accessible suspect building materials were analyzed by a laboratory approved under the NYSDOH ELAP. Sixty-two (**62**) samples/layers were analyzed using Polarized Light Microscopy (PLM) for friable materials; thirty-nine (**39**) samples/layers were analyzed using Polarized Light Microscopy (PLM-NOB) for non-friable organically bound materials; and thirty-six (**36**) samples/layers were analyzed by Confirmatory-QTEM following negative-determinations using PLM-NOB protocols.

### 2.3 IDENTIFIED ASBESTOS-CONTAINING MATERIALS (ACM)

**TABLE I: IDENTIFIED ACM**  
**WASHINGTONVILLE MIDDLE SCHOOL AND HIGH SCHOOL**  
**38/54 W Main Street**  
**Washingtonville, NY 10992**  
**(CONSTRUCTION AREAS)**  
**(Refer to Appendix A for details)**

**KEY:** ACM = Materials containing greater than 1% of asbestos;  
 LF = Linear Feet; SF = Square Feet; PACM = Presumed Asbestos-containing Materials;  
 Friable = ACM capable of being released into air, and which can be crumbled, pulverized, powdered, crushed, or exposed by hand-pressure.

Location	Material	Approximate Quantity	Friable?	Condition
<b>Washingtonville Middle School</b>				
Kitchen Office, Floor, on Quarry Tile	1'x1' Floor Tile and Mastic	125 SF <sup>1</sup>	No	Damaged
Kitchen, Walk-in Coolers/Freezers	PACM Wall/Ceiling Insulation <sup>2</sup>	500 SF	Unknown	Good
Note:				
1) Additional ACM Floor Tile and Mastic may exist between layers of non-ACM Quarry Tile. While ACM floor tile was not present at the sample core location, it may exist elsewhere in the kitchen where two layers of quarry tile are present.				
2) Walk-in Coolers/Freezers in service at time of survey. Insulation material presumed to exist to avoid damaging units.				

### 3.0 LEAD SURVEY:

#### 3.1 INSPECTION SUMMARY

QuES&T conducted a Limited Pre-Construction Lead Survey, utilizing X-Ray Fluorescence Technology (XRF), throughout specific interior and exterior areas of Washingtonville Middle School and High School, located at 38/54 W Main Street Washingtonville, NY 10992 in support of the 2024 Capital Project- Phase 3. The survey was limited to specific accessible, representative building components & immovable objects, potentially affected by scheduled renovation/construction activities.

Niton-certified XRF Technician(s) Caroline Annesi of QuES&T, collected a total of eighty-one (81) samples (including calibrations) on July 24-25, 2025

#### 3.2 IDENTIFIED LEAD-BASED PAINT(S) (LBP)

Based on review of the data generated by the Viken Pb200i XRF Spectrum Analyzer, the following surfaces tested were identified as lead based as defined by HUD/EPA (equal to or in excess of 1.0 milligram per square centimeter):

**TABLE II: IDENTIFIED LEAD-BASED PAINT**  
**WASHINGTONVILLE MIDDLE SCHOOL AND HIGH SCHOOL**  
**38/54 W Main Street**  
**Washingtonville, NY 10992**  
**(CONSTRUCTION AREAS)**  
**(Refer to Appendix C for details)**

Location	LBP Component	Substrate	Color	LBP Condition	Approximate Quantity
WMS Café A	Lower Wall	Ceramic Wall Tile	Peach	Good	40 SF
WMS Café A	Lower Wall	Ceramic Wall Tile	Green	Good	70 SF
WMS Main Entrance (Exterior)	Base of Pillar	Wood	White	Damaged	30 SF
WMS Main Entrance (Exterior)	Wall	Plaster	Gray	Damaged	200 SF
WMS Main Staircase (Exterior)	Window Frame	Wood	White	Damaged	30 SF
WMS Main Staircase (Exterior)	Window Décor	Wood	White	Damaged	30 SF
WMS SW Staircase (Exterior)	Window Frame	Wood	White	Damaged	30 SF
WMS E Staircase (Exterior)	Window Frame	Wood	White	Damaged	30 SF

It should be noted that several components tested did in fact contain minimal lead-levels below the EPA threshold level of 1.0 mg/sq. cm for classification as Lead-Based Paint (LBP) and are considered lead-containing coatings by the OSHA Regulation, "Lead Exposure in Construction" (29 CFR 1926.62). OSHA does not recognize a minimum limit for lead concentrations in paint for the purposes of disturbance. Monitoring of workers performing demolition/cleaning/disturbance of painted surfaces shall be completed to document personnel occupational exposure. Items containing any amount of lead concentration are considered lead-containing coatings per 29 CFR 1926.62, OSHA Lead Exposure in Construction.

**4.0 RECOMMENDATIONS:**

**4.1 ASBESTOS**

All construction personnel as well as individuals who have access to locations where asbestos containing materials (ACM) exists should be informed of its presence and the proper work practices in these areas. Conspicuous labeling of all ACM is suggested to ensure personnel is adequately informed. Personnel should be informed not to rest, lean or store material or equipment on or near these surfaces and not to cut, saw, drill, sand or disturb ACM. All removal, disturbance, and repair of ACM should be performed in compliance with Title 12 NYCRR Part 56 by persons properly trained to handle ACM. Facility custodial and maintenance personnel should receive training commensurate with their work activities; as defined in 29 CFR 1910.1001.

As specified in Title 12 NYCRR Part 56-5.1 (h) and (i), "If the building/structure asbestos survey finds that the portion of the building/structure to be demolished, renovated, remodeled, or have repair work contains ACM, PACM, suspect miscellaneous ACM assumed to be ACM, or asbestos material, which is impacted by the work, the owner or the owner's agent shall conduct, or cause to have conducted, asbestos removal performed by a licensed asbestos abatement contractor in conformance with all standards set

forth in this Part. All ACM, PACM, suspect miscellaneous ACM assumed to be ACM, or asbestos material impacted by the demolition, renovation, remodeling, or repair project shall be removed as per this Part, prior to access or disturbance by other uncertified trades or personnel. No demolition, renovation, remodeling or repair work shall be commenced by any owner or the owner's agent prior to the completion of the asbestos abatement in accordance with the notification requirements of this Part...All building/structure owners and asbestos abatement contractors on a demolition, renovation, remodeling, or repair project, which includes work covered by this part, shall inform all trades on the work site about PACM, ACM, asbestos material and suspect miscellaneous ACM...Bids may be advertised and contracts awarded for demolition, remodeling, renovation, or repair work, but no work on the current intermediate portion of the project shall commence on the demolition, renovation, remodeling or repair work by any owner or agent prior to completion of all necessary asbestos abatement work for the current intermediate portion of the entire project, in conformance with all standards set forth in this Part."

Prior to conducting demolition or construction work at the building, all ACM affected/impacted by such activities shall be removed utilizing a licensed asbestos abatement contractor and NYSDOL/EPA/NYC certified personnel prior to construction/demolition activities. All work conducted should be in accordance with all legal requirements, including but not limited to U.S. Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP) [40 CFR Part 61], New York State Industrial Code Rule 56 Asbestos Regulations (ICR 56) and Chapter 1 of Title 15 of the Rules of the City of New York Regulations, as applicable. Advance notification of the asbestos project to the USEPA, NYSDOL, and NYCDEP may be required.

All suspect building materials not sampled during this survey should be considered ACM until these materials are sampled and analyzed for ACM in the laboratory. Concealed ACM: In addition to the ACMs identified at the site, there is a possibility that concealed ACM may exist at the subject facility. As such, if any concealed suspect ACM is encountered during future construction related activities, the work should immediately stop. Prior to resuming the work, the suspect ACM should either be 1) Sampled by an appropriately certified asbestos professional and submitted to an Approved NYSDOH ELAP laboratory for asbestos analysis or 2) Presumed to be ACM (PACM) and removed by a licensed asbestos abatement contractor for disposal in accordance with all applicable regulations.

## **4.2 LEAD**

In addition to any identified Lead-based Paints (LBP), several components tested did in fact contain minimal lead-levels below the EPA threshold level of 1.0 mg/sq. cm for classification as LBP and are considered lead-containing coatings by the OSHA Regulation, "Lead Exposure in Construction" (29 CFR 1926.62). OSHA does not recognize a minimum limit for lead concentrations in paint for the purposes of disturbance. Monitoring of workers performing demolition/cleaning/disturbance of painted surfaces shall be completed to document personnel occupational exposure. Items containing any amount of lead concentration are considered lead-containing coatings per 29 CFR 1926.62, OSHA Lead Exposure in Construction.

Activities involving the disturbance of LBP in homes, child-occupied facilities, and/or pre-schools built before 1978 must follow the requirements outlined by EPA regulations (40 CFR 745).

In areas where demolition and/or renovations are to occur and lead is present; the demolition debris waste stream should be further analyzed during segregation for compliance with EPA regulations to ensure proper disposal. TCLP testing can be performed prior to waste segregation, but results may not be indicative of the actual waste streams produced during demolition.

## 5.0 DISCLAIMERS

The findings presented in this report are based upon reasonably available information and observed site conditions at the time the assessment was performed. Conditions may have changed since that time and the findings and conclusions of this report are not meant to be indicative of future conditions at the Site. This report does not warrant against conditions that were not evident from visual observations or historical information obtained, or conditions that could only be determined by physical sampling or other intrusive investigation techniques that are outside the proposed scope of work.

It should be noted that the information contained within this report is based solely upon site observations and the results of laboratory analysis for samples collected by **QuES&T**. These observations and results are time dependent, subject to changing site conditions and revisions to Federal, State and Local regulations. **QuES&T** warrants that these findings have been promulgated after being prepared in general accordance with generally accepted practices in the abatement industries. **QuES&T** also recognizes that inspection laboratory data is not usually sufficient to make all abatement and management decisions.

Due to the potential for concealed Asbestos-containing Materials (ACM) or other regulated materials, this report should not be construed to represent all ACM or regulated materials within the site(s). All quantities of ACM or other regulated materials identified, and all dimensions listed within this report are approximate and should be verified On-site.

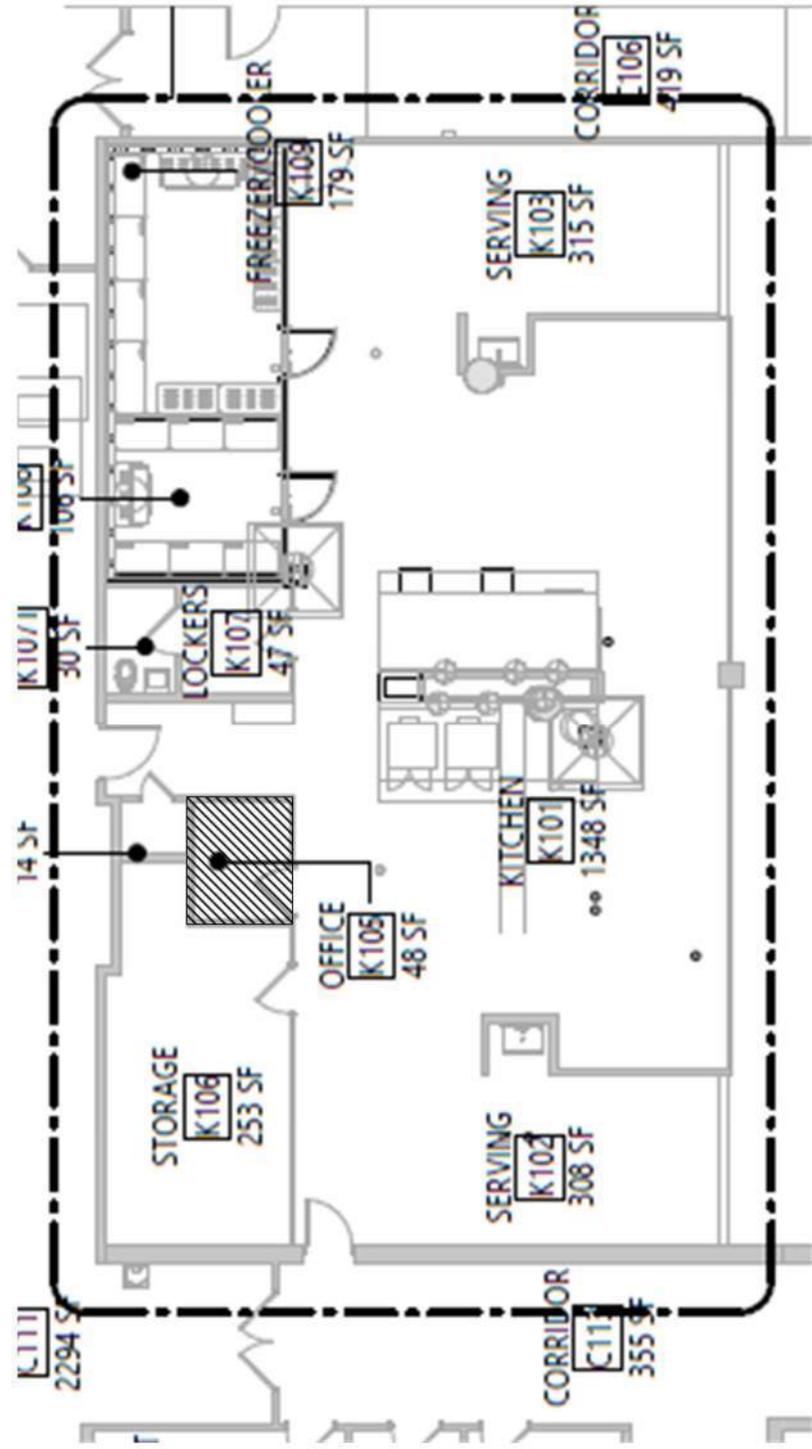
This inspection report is not intended to be used as the sole basis for soliciting pricing for regulated materials abatement. An abatement plan, specification, drawing and/or Variances should be developed to identify scope, timing, phasing, and remediation means & methods for any asbestos project. The Linear and/or Square Footages (LF / SF) listed within this Report are only approximates. Abatement Contractor(s) are required to visit the building(s) in order to take actual field measurements within each listed location.



Quality Environmental Solutions & Technologies, Inc.

**Appendix A:**  
**ACM LOCATION DRAWINGS**

<b>Date:</b> 28JUL2025	<b>Version #</b> 1
<b>Issued For:</b> Asbestos Survey	
<b>QuES&amp;T Project # :</b> 25-6817	
<b>Project Manager:</b> TM	<b>Prepared By:</b> SDT
 Quality Environmental Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, NY 12590 Phone: (845) 298-6031 Fax: (845) 298-6251	
CLIENT	
<b>WASHINGTONVILLE CSD</b> 52 West Main Street Washingtonville, NY 10992	
PROJECT LOCATION	
<b>Washingtonville Middle School</b> 38 West Main Street Washingtonville, NY 10992	
Pre-Construction Sample Location Drawing	
ASB-01	



ACM LOCATION KEY (Refer to Report for Details)
Floor Tile & Mastic

\*\*Drawing Not to Scale\*\*

This Drawing is not intended to be used as the sole basis for soliciting pricing for asbestos abatement. An abatement plan, specification, drawing and/or variances should be developed to identify scope, timing, phasing and remediation means & methods for any asbestos project.



Quality Environmental Solutions & Technologies, Inc.

**Appendix B:**  
**LABORATORY ANALYTICAL DATA**



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

Date Collected : 07/24-25/2025
Collected By : S. Talsma/A. Castellanos/C. Annesi
Date Received : 07/28/2025
Date Analyzed : 08/01/2025
Analyzed By : George Htay
Signature :
Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, and Asbestos/Other Fibrous/Non-Fibrous Materials. Rows include scanning options and percentages of various materials.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



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Analyzed By : George Htay
Signature :
Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials Present, Non-Fibrous Materials Present.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



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Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials, Non-Fibrous Materials. Rows include sample details for 6814-MS-21, 6814-MS-22, 6814-MS-23, and 6814-MS-24.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



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Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials Present, Non-Fibrous Materials Present. Rows include scanning options and percentages for various materials.

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1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials Present, Non-Fibrous Materials Present. Rows include sample details for 6814-MS-37, 6814-MS-38, 6814-MS-39, and 6814-HS-52.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



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1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include sample IDs 6814-HS-53, 6814-HS-54, 6814-HS-55, 6814-HS-56 and their corresponding layer numbers, lab IDs, locations, and descriptions.

Table with 5 columns: Method of Quantification, Scanning Option. Rows include Appearance (Layered, Homogenous, Fibrous, Color) and Scanning Option (Yes, No, White).

Table with 5 columns: Sample Treatment, Homogenized, None. Rows include Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos) and Other Fibrous Materials Present (% Fibrous Glass, % Cellulose, % Other, % Unidentified) for both Non-Fibrous and Fibrous materials.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected. Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

Date Collected : 07/24-25/2025
Collected By : S. Talsma/A. Castellanos/C. Annesi
Date Received : 07/28/2025
Date Analyzed : 08/01/2025
Analyzed By : George Htay
Signature :
Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials Present, Non-Fibrous Materials Present. Rows include scanning options and percentages for various materials.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

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NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials Present, Non-Fibrous Materials Present. Rows include scanning options and detection results (ND, Yes, No, Gray).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

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NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials Present, Non-Fibrous Materials Present. Rows include sample details for IDs 6814-HS-67, 6814-HS-68, 6814-HS-69, and 6814-HS-70.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

Date Collected : 07/24-25/2025
Collected By : S. Talsma/A. Castellanos/C. Annesi
Date Received : 07/28/2025
Date Analyzed : 08/01/2025
Analyzed By : George Htay
Signature :
Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials Present, Non-Fibrous Materials Present. Rows include sample details for IDs 6814-HS-71, 6814-HS-72, 6814-HS-73, and 6814-HS-74.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

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NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include samples 6814-HS-75, 6814-HS-76, 6814-HS-77, and 6814-HS-78.

Table with 5 columns: Method of Quantification, Scanning Option. Rows include Appearance (Layered, Homogenous, Fibrous, Color) and Scanning Option (No, Gray, Gray/Brown).

Table with 5 columns: Sample Treatment, Homogenized. Rows include Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos) and Other Fibrous Materials Present (% Fibrous Glass, % Cellulose, % Other, % Unidentified).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected. Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

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Signature :
Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Sample Treatment, and Asbestos/Other Fibrous/Non-Fibrous Content. Includes scanning options and percentages for various materials.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected. Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

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Date Collected : 07/24-25/2025
Collected By : S. Talsma/A. Castellanos/C. Annesi
Date Received : 07/28/2025
Date Analyzed : 08/01/2025
Analyzed By : George Htay
Signature :
Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Sample Treatment, and various material percentages (Asbestos, Other Fibrous, Non-Fibrous).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND = Not Detected, Reporting Limit is <1%.



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

Date Collected : 07/24-25/2025
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Date Received : 07/28/2025
Date Analyzed : 08/01/2025
Analyzed By : George Htay

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Sample ID Number 6814-HS-93 6814-HS-94

Layer Number

Lab ID Number 3102835 3102836

Sample Location 2nd Floor, Fan Room, On HCAV Duct, Confirmatory
2nd Floor, Fan Room, On HCAV Duct, Confirmatory

Sample Description Fiberglass Insulation Fiberglass Insulation

Method of Quantification Scanning Option Scanning Option
Appearance Layered Yes Yes
Homogenous No No
Fibrous Yes Yes
Color Yellow/White/Silver Yellow/White/Silver

Sample Treatment Homogenized Homogenized

Asbestos % Amosite ND ND
Content % Chrysotile ND ND
% Other ND ND
% Total Asbestos ND ND

Other Fibrous % Fibrous Glass 40.0 45.0
Materials % Cellulose 15.0 15.0
Present % Other ND ND
% Unidentified ND ND

Non-Fibrous % Silicates 10.0 10.0
Materials % Carbonates ND ND
Present % Other ND ND
% Unidentified 35.0 30.0

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Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
CONTACT: Jack Rallo

PROJECT #: 25-6817  
SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi  
DATE SAMPLED: July 24-25, 2025  
STATE SAMPLED IN: NEW YORK  
ANALYSIS METHOD: PLM/ PLM-NOB/QTEM  
TURN-AROUND TIME: 5 DAYS

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

Sample #	Floor	Room	Location	Material	Result(s)
6814-MS-01	First	Kitchen	On Wall	Joint Compound	3102775
6814-MS-02	First	Kitchen	On Wall	Joint Compound	3102776
6814-MS-03	First	Kitchen	On Wall	Joint Compound	3102777
6814-MS-04	First	Kitchen	On Wall	Joint Compound	3102778
6814-MS-05	First	Kitchen	On Wall	Joint Compound	3102779
6814-MS-06	First	Kitchen	Wall	Sheetrock	3102780
6814-MS-07	First	Kitchen	Wall	Sheetrock	3102781
6814-MS-08	First	Kitchen	Ceiling, Suspended, Dot Spec	Suspended Ceiling Tile	
6814-MS-09	First	Kitchen	Ceiling, Suspended, Dot Spec	Suspended Ceiling Tile	
6814-MS-10	First	Kitchen	Ceiling, Suspended, Dot Canyon	Suspended Ceiling Tile	
6814-MS-11	First	Kitchen	Ceiling, Suspended, Dot Canyon	Suspended Ceiling Tile	
6814-MS-12	First	Kitchen	Wall, On Plaster, Dark Green	Ceramic Wall Tile	3102782
6814-MS-13	First	Kitchen	Wall, On Sheetrock, Pink	Ceramic Wall Tile	3102783
6814-MS-14	First	Kitchen	On Wall	Ceramic Wall Tile	3102784
6814-MS-15	First	Kitchen	On Wall	Ceramic Wall Tile	3102785

\* AS LABELED ON PAPERWORK  
DATE: MP 07/31/2025

Comments:  
SUBMITTED BY: Abraham Castellanos  
RECEIVED BY: MDW

DATE: 7/28/25  
DATE: 2025  
PAGE 1 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
 ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
 CONTACT: Jack Rallo

PROJECT #: 25-6817  
 SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi  
 DATE SAMPLED: July 24-25, 2025  
 STATE SAMPLED IN: NEW YORK  
 ANALYSIS METHOD: PLM/ PLM-NOB/QTEM  
 TURN-AROUND TIME: 5 DAYS

PROJECT NAME: 2024 Capital Project - Phase 3  
 PROJECT BUILDING: Middle School & High School  
 PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

Sample ID	Floor	Space	Location	Material	Result
6814-MS-16	First	Kitchen	Wall, Below Ceramic Wall Tile	Mastic	
6814-MS-17	First	Kitchen	Wall, Below Ceramic Wall Tile	Mastic	
6814-MS-18	First	Kitchen	On Wall	Cove base & Mastic	
6814-MS-19	First	Kitchen	On Wall	Cove base & Mastic	
6814-MS-20	First	Kitchen	Floor	Cementitious Slab	3102786
6814-MS-21	First	Kitchen	Floor	Cementitious Slab	3102787
6814-MS-22	First	Kitchen	Floor, Bottom Layer, on Cementitious Slab	Mud set	3102788
6814-MS-23	First	Kitchen	Floor, Bottom Layer, on Cementitious Slab	Mud set	3102789
6814-MS-24	First	Kitchen	Floor, Bottom Layer	Quarry Tile	3102790
6814-MS-25	First	Kitchen Office	Floor, Bottom Layer	Quarry Tile	3102791
6814-MS-26	First	Kitchen Office	Floor, Bottom Layer, Between Quarry Tile	Grout	3102792
6814-MS-27	First	Kitchen	Floor, Bottom Layer, Between Quarry Tile	Grout	3102793
6814-MS-28	First	Kitchen	Floor, Top Layer	Quarry Tile	3102794
6814-MS-29	First	Kitchen	Floor, Top Layer	Quarry Tile	3102795
6814-MS-30	First	Kitchen	Floor, Top Layer, Between Quarry Tile	Grout	3102796

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: MDW

DATE: 7/28/25  
 DATE: \_\_\_\_\_  
 PAGE 2 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
CONTACT: Jack Rallo

PROJECT #: 25-6817  
SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annasi  
DATE SAMPLED: July 24-25, 2025  
STATE SAMPLED IN: NEW YORK  
ANALYSIS METHOD: PLM/ PLM-NOB/QTEM  
TURN-AROUND TIME: 5 DAYS

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

Sample ID	Floor	Room	Substrate	Material	Notes
6814-MS-31	First	Kitchen	Floor, Top Layer, Between Quarry Tile	Grout	3102797
6814-MS-32	First	Kitchen Office	Floor, Top layer, White 12"x12"	Floor Tile & Mastic	
6814-MS-33	First	Kitchen Office	Floor, Top layer, White 12"x12"	Floor Tile & Mastic	
6814-MS-34	First	Kitchen Cafeteria	Floor, 12"x12", Blue	Floor Tile	
6814-MS-35	First	Kitchen Cafeteria	Floor, 12"x12", Blue	Floor Tile	
6814-MS-36	First	Kitchen Cafeteria	Floor, Below Blue 12"x12" Floor Tile	Leveling Compound & Mastic	3102798
6814-MS-37	First	Kitchen Cafeteria	Floor, Below Blue 12"x12" Floor Tile	Leveling Compound & Mastic	3102799
6814-MS-38	Roof	Kitchen, Exterior	Field, Deck	Gypsum	3102800
6814-MS-39	Roof	Kitchen, Exterior	Field, Deck	Gypsum	3102801
6814-MS-40	Roof	Kitchen, Exterior	Field, Third layer, on Gypsum Deck	EPDM	
6814-MS-41	Roof	Kitchen, Exterior	Field, Third layer, on Gypsum Deck	EPDM	
6814-MS-42	Roof	Kitchen, Exterior	Field, Second Layer, On EPDM Covered Gypsum	ISO Insulation	
6814-MS-43	Roof	Kitchen, Exterior	Field, Second Layer, On EPDM Covered Gypsum	ISO Insulation	
6814-MS-44	Roof	Kitchen, Exterior	Field, Top Layer, On ISO Insulation	EPDM	
6814-MS-45	Roof	Kitchen, Exterior	Field, Top Layer, On ISO Insulation	EPDM	

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: M.D. [Signature]

DATE: 7/28/25  
DATE: JUL 25 25 2025  
DATE: \_\_\_\_\_  
PAGE 3 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
CONTACT: Jack Rallo

PROJECT #: 25-6817  
SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi  
DATE SAMPLED: July 24-25, 2025  
STATE SAMPLED IN: NEW YORK  
ANALYSIS METHOD: PLM/ PLM-NOB/QTEM

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

TURN-AROUND TIME: 5 DAYS

Sample ID	Floor	Space Name	Location	Material	Result
6814-MS-46	Roof	Gym, Exterior, East Side	Window Frame, Metal To Metal, Bottom Layer, White	Caulk	
6814-MS-47	Roof	Gym, Exterior, West Side	Window Frame, Metal To Brick & Mortar, Bottom Layer, White	Caulk	
6814-MS-48	Roof	Gym, Exterior, East Side	Window Frame, Metal To Metal, Top layer, Grey	Caulk	
6814-MS-49	Roof	Gym, Exterior, West Side	Window Frame, Metal To Brick & Mortar, Top Layer, Grey	Caulk	
6814-MS-50	Exterior	Original Build Façade	South-West Window, Metal To Wood,	Glazing	
6814-MS-51	Exterior	Original Build Façade	South-West Window, Metal To Wood,	Glazing	
6814-HS-52	First	Cafeteria B	Wall, On Sheetrock	Joint Compound	3102802
6814-HS-53	First	Cafeteria C	Wall, On Sheetrock	Joint Compound	3102803
6814-HS-54	First	Instrument Storage	Wall, On Sheetrock	Joint Compound	3102804
6814-HS-55	First	Band Room	Wall, On Sheetrock	Joint Compound	3102805
6814-HS-56	First	Band Room	Wall, On Sheetrock	Joint Compound	3102806
6814-HS-57	First	Instrument Storage	Wall	Sheetrock	3102807
6814-HS-58	First	Cafeteria C	Wall	Sheetrock	3102808
6814-HS-59	First	Kitchen	Wall, Below Ceramic Wall Tile	Plaster	3102809
6814-HS-60	First	Kitchen	Wall, Below Ceramic Wall Tile	Plaster	3102810

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: MD Warner

DATE: 7/28/25

DATE: 28/25 2025

PAGE 4 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
CONTACT: Jack Rallo

PROJECT #: 25-6817  
SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi  
DATE SAMPLED: July 24-25, 2025  
STATE SAMPLED IN: NEW YORK  
ANALYSIS METHOD: PLM/ PLM-NOB/QTEM  
TURN-AROUND TIME: 5 DAYS

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

Sample	Floor	Space Name/ID	Location	Material	Results
6814-HS-61	First	Band Room	Ceiling, Dot Canyon, Suspended	Suspended Ceiling Tile	
6814-HS-62	First	Kitchen A	Ceiling, Dot Canyon, Suspended	Suspended Ceiling Tile	
6814-HS-63	First	Room T190	Floor	Ceramic Floor Tile	3102811
6814-HS-64	First	Room T190A	Floor	Ceramic Floor Tile	3102812
6814-HS-65	First	Room T190A	Floor, On Ceramic Floor Tile	Grout	3102813
6814-HS-66	First	Room T190	Floor, On Ceramic Floor Tile	Grout	3102814
6814-HS-67	First	Room T190A	Wall, On Sheetrock	Ceramic Wall Tile & Mastic	3102815
6814-HS-68	First	Room T190	Wall, On Sheetrock	Ceramic Wall Tile & Mastic	3102816
6814-HS-69	First	Room T190A	Wall, On Ceramic Wall Tile	Grout	3102817
6814-HS-70	First	Room T190	Wall, On Ceramic Wall Tile	Grout	3102818
6814-HS-71	First	Room T180	Wall, On Sheetrock	Ceramic Cove base & Mastic	3102819
6814-HS-72	First	Room T180A	Wall, On Sheetrock	Ceramic Cove base & Mastic	3102820
6814-HS-73	First	Room T180A	Wall, On ceramic Cove base	Grout	3102821
6814-HS-74	First	Room T180	Wall, On ceramic Cove base	Grout	3102822
6814-HS-75	First	Room T190	Floor, Below Ceramic Floor Tile, On Cementitious Slab	Mud set	3102823

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: MD Warner

DATE: 7/28/25  
JUL 28 2025  
DATE: 2025  
PAGE 5 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

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C. Anneci  
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TURN-AROUND TIME: 5 DAYS

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

Sample ID	Floor	Space Name (U)	Description	Material	Result
6814-HS-76	First	Room T190A	Floor, Below Ceramic Floor Tile, On Cementitious Slab	Mud set	3102824
6814-HS-77	First	Room T180A	Floor, Below Ceramic Floor Tile, On Cementitious Slab	Setting Bed	3102825
6814-HS-78	First	Room T180	Floor, Below Ceramic Floor Tile, On Cementitious Slab	Setting Bed	3102826
6814-HS-79	First	Room T180A	Floor	Ceramic Floor Tile	3102827
6814-HS-80	First	Room T180	Floor	Ceramic Floor Tile	3102828
6814-HS-81	First	Room T180A	Floor, On ceramic Floor Tile	Grout	3102829
6814-HS-82	First	Room T180	Floor, On Ceramic Floor Tile	Grout	3102830
6814-HS-83	First	Room T180	Floor, On Ceramic Wall Tile	Grout	3102831
6814-HS-84	First	Room T180	Floor, On Ceramic Wall Tile	Grout	3102832
6814-HS-85	Roof	Exterior, Cafeteria	Field, Deck	Gypsum	3102833
6814-HS-86	Roof	Exterior, Cafeteria	Field, Deck	Gypsum	3102834
6814-HS-87	Roof	Exterior, Cafeteria	Field, Bottom layer, On Gypsum Deck	Tar Paper Vapor barrier	
6814-HS-88	Roof	Exterior, Cafeteria	Field, Bottom layer, On Gypsum Deck	Tar Paper Vapor barrier	
6814-HS-89	Roof	Exterior, Cafeteria	Field, Second Layer, On tar paper Vapor Barrier	ISO Insulation	
6814-HS-90	Roof	Exterior, Cafeteria	Field, Second Layer, On tar paper Vapor Barrier	ISO Insulation	
6814-HS-91	Roof	Exterior, Cafeteria	Field, Top Layer, On ISO Insulation	EPDM	

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: MD WARNER

DATE: 7/28/25  
JUL 28 2025 20:48  
DATE: \_\_\_\_\_  
PAGE 6 OF 7





Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

Date Collected : 07/24-25/2025
Collected By : S. Talsma/A. Castellanos/C. Annesi
Date Received : 07/28/2025
Date Analyzed : 07/30/2025
Analyzed By : George Htay

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance (Layered, Homogenous, Fibrous, Color), Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos), Other Materials Present (% Organic, % Carbonates, % Other Inorganic).

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Paul Stascavage, Lab Director

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, and Other Materials Present. Rows include data for samples 6814-MS-16, 6814-MS-17, 6814-MS-18, and 6814-MS-18.

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Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include details for samples 6814-MS-19, 6814-MS-19, 6814-MS-32, and 6814-MS-32.

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Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance (Layered, Homogenous, Fibrous, Color), Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos), Other Materials Present (% Organic, % Carbonates, % Other Inorganic).

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1376 Route 9
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NYS Lab No. 10851

Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include sample details for 6814-MS-36, 6814-MS-37, 6814-MS-40, and 6814-MS-41.

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Analyzed By : George Htay
Signature :
Analytical Method : NYS-DOH 198.6
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include 6814-MS-42, 6814-MS-43, 6814-MS-44, 6814-MS-45.

Table with 5 columns: Analytical Method, Appearance (Layered, Homogenous, Fibrous, Color), NOB Plm. Rows include NOB Plm, Layered, Homogenous, Fibrous, Color.

Table with 5 columns: Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos), ND, Inconclusive. Rows include % Amosite, % Chrysotile, % Other, % Total Asbestos.

Table with 5 columns: Other Materials Present (% Organic, % Carbonates, % Other Inorganic), 63.1, 29.4, 7.5, 57.5, 33.4, 9.1, 69.4, 10.8, 19.8, 69.5, 10.5, 20.0. Rows include % Organic, % Carbonates, % Other Inorganic.

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1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include 6814-MS-46, 6814-MS-47, 6814-MS-48, 6814-MS-49.

Table with 5 columns: Analytical Method, Appearance, Layered, Homogenous, Fibrous, Color. Rows include NOB Plm, No, Yes, No, White, No, Yes, No, Green, No, Yes, No, Gray.

Table with 5 columns: Asbestos Content, % Amosite, % Chrysotile, % Other. Rows include ND, ND, ND.

Table with 5 columns: % Total Asbestos. Row includes ND Inconclusive, ND Inconclusive, ND Inconclusive, ND Inconclusive.

Table with 5 columns: Other Materials Present, % Organic, % Carbonates, % Other Inorganic. Rows include 66.7, 22.6, 10.7, 67.6, 21.3, 11.1, 42.9, 52.7, 4.4, 36.9, 53.9, 9.2.

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Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include sample details for 6814-MS-50, 6814-MS-51, 6814-HS-61, and 6814-HS-62.

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Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include data for samples 6814-HS-67, 6814-HS-68, 6814-HS-71, and 6814-HS-72.

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Date Analyzed : 07/30/2025
Analyzed By : George Htay

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include sample details for 6814-HS-87, 6814-HS-88, 6814-HS-89, and 6814-HS-90.

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Date Analyzed : 07/30/2025
Analyzed By : George Htay

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Sample ID Number 6814-HS-91 6814-HS-92

Layer Number

Lab ID Number 3102227 3102228

Sample Location Roof, Exterior, Cafeteria, Field, Top Layer, On ISO Insulation

Sample Description EPDM EPDM

Analytical Method NOB Plm NOB Plm

Appearance Layered No
Homogenous Yes
Fibrous Yes
Color Black/White Black/White

Asbestos Content % Amosite ND
% Chrysotile ND
% Other ND

% Total Asbestos ND Inconclusive ND Inconclusive

Other Materials % Organic 76.4 76.2

Present % Carbonates 8.1 8.1

% Other Inorganic 15.5 15.7

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Collected By : S. Talsma/A. Castellanos/C. Annesi
Date Received : 07/28/2025
Date Analyzed : 08/01/2025
Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include data for samples 6814-MS-08, 6814-MS-09, 6814-MS-10, and 6814-MS-11.

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AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



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Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

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NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

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NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include data for samples 6814-MS-19, 6814-MS-19, 6814-MS-32, and 6814-MS-32.

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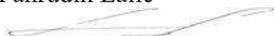
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**Bulk Sample Results**

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 Date Analyzed : 08/01/2025  
 Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Signature : 

Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0 (Testing)  
 NYS Lab No. 10851

Paul Stascavage , Lab Director

Sample ID Number	6814-MS-33	6814-MS-33	6814-MS-34	6814-MS-35
Layer Number	1	2		
Lab ID Number	3102200	3102200	3102201	3102202
Sample Location	1st Floor, Kitchen Office, Floor, Top Layer, White 12" x 12"	1st Floor, Kitchen Office, Floor, Top Layer, White 12" x 12"	1st Floor, Kitchen Cafeteria, Floor, 12" x 12", Blue	1st Floor, Kitchen Cafeteria, Floor, 12" x 12", Blue
Sample Description	Floor Tile & Mastic (Tile Layer)	Floor Tile & Mastic (Mastic Layer)	Floor Tile	Floor Tile
Analytical Method	NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered Homogenous Fibrous Color	No Yes No Tan	No Yes No Black/Tan	No Yes No Blue
Asbestos Content	% Amosite % Chrysotile % Other	ND 2.3 ND	ND 8.4 ND	ND ND ND
	% Total Asbestos	2.3	8.4	ND
Other Materials Present	% Organic % Carbonates % Other Inorganic	24.6 67.8 5.3	29.2 37.2 25.2	10.8 88.0 1.2
				13.1 85.4 1.5

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Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature :

Analytical Method : NYS-DOH 198.4
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NYS Lab No. 10851

Paul Stascavage, Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include data for samples 6814-MS-36, 6814-MS-37, 6814-MS-40, and 6814-MS-41.

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Paul Stascavage, Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include 6814-MS-42, 6814-MS-43, 6814-MS-44, 6814-MS-45.

Table with 5 columns: Analytical Method, Appearance (Layered, Homogenous, Fibrous, Color), NOB Tem. Rows include NOB Tem, Layered, Homogenous, Fibrous, Color.

Table with 5 columns: Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos), Other Materials Present (% Organic, % Carbonates, % Other Inorganic), ND, ND, ND, ND.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

Date Collected : 07/24-25/2025
Collected By : S. Talsma/A. Castellanos/C. Annesi
Date Received : 07/28/2025
Date Analyzed : 08/01/2025
Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include 6814-MS-46, 6814-MS-47, 6814-MS-48, 6814-MS-49.

Table with 5 columns: Analytical Method, Appearance, Layered, Homogenous, Fibrous, Color. Rows include NOB Tem, No, Yes, No, White, White, Green, Gray.

Table with 5 columns: Asbestos Content, Other Materials Present, % Amosite, % Chrysotile, % Other, % Total Asbestos, % Organic, % Carbonates, % Other Inorganic. Rows include ND, ND, ND, ND, 66.7, 22.6, 10.7, 67.6, 21.3, 11.1, 42.9, 52.7, 4.4, 36.9, 53.9, 9.2.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

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Bulk Sample Results

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Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature :

Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage, Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include details for samples 6814-MS-50, 6814-MS-51, 6814-HS-61, and 6814-HS-62.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

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Bulk Sample Results

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Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature :

Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage, Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include data for samples 6814-HS-67, 6814-HS-68, 6814-HS-71, and 6814-HS-72.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

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Bulk Sample Results

RE: CPN 25817 - Washingtonville CSD - 2024 Capital Project - Phase 3 - Middle School and High School - 38 West Main Street - Washingtonville, NY

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Date Received : 07/28/2025
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Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature :

Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage, Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include sample details for 6814-HS-87, 6814-HS-88, 6814-HS-91, and 6814-HS-92.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
CONTACT: Jack Rallo

PROJECT #: 25-6817  
SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi

DATE SAMPLED: July 24-25, 2025  
STATE SAMPLED IN: NEW YORK  
ANALYSIS METHOD: PLM/ PLM-NOB/QTEM

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

TURN-AROUND TIME: 5 DAYS

Sample	HVI#	Floor	Space Name/ID #	Location	Material	Results
6814-MS-02		First	Kitchen	On Wall	Joint Compound	
6814-MS-04		First	Kitchen	On Wall	Joint Compound	
6814-MS-06		First	Kitchen	Wall	Sheetrock	
3102191 6814-MS-08		First	Kitchen	Ceiling, Suspended, Dot Spec	Suspended Ceiling Tile	
3102192						
3102193 6814-MS-10		First	Kitchen	Ceiling, Suspended, Dot Canyon	Suspended Ceiling Tile	
3102194						
6814-MS-12		First	Kitchen	Wall, On Plaster, Dark Green	Ceramic Wall Tile	
6814-MS-14		First	Kitchen	On Wall	Ceramic Wall Tile	

Comments: \_\_\_\_\_

SUBMITTED BY: Abraham Castellanos

RECEIVED BY: MDWADNER

DATE: 7/28/25

JUL 28 2025 20:45

PAGE 1 OF 2

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
CONTACT: Jack Rallo

PROJECT #: 25-6817  
SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi

DATE SAMPLED: July 24-25, 2025  
STATE SAMPLED IN: NEW YORK  
ANALYSIS METHOD: PLM/ PLM-NOB/QTEM

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

TURN-AROUND TIME: 5 DAYS

Sample	HM#	Floor	Space Name/ID #	Location	Material	Results
3102195	6814-MS-16	First	Kitchen	Wall, Below Ceramic Wall Tile	Mastic	
3102196						
3102197	6814-MS-18	First	Kitchen	On Wall	Cove base & Mastic	
3102198						
	6814-MS-20	First	Kitchen	Floor	Cementitious Slab	
	6814-MS-22	First	Kitchen	Floor, Bottom Layer, on Cementitious Slab	Mud set	
	6814-MS-24	First	Kitchen	Floor, Bottom Layer	Quarry Tile	
	6814-MS-26	First	Kitchen Office	Floor, Bottom Layer, Between Quarry Tile	Grout	
	6814-MS-28	First	Kitchen	Floor, Top Layer	Quarry Tile	
	6814-MS-30	First	Kitchen	Floor, Top Layer, Between Quarry Tile	Grout	

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: MDW

DATE: 7/28/25  
JUL 28 25 20:45  
DATE: \_\_\_\_\_  
PAGE 2 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
 ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
 CONTACT: Jack Rallo

PROJECT #: 25-6817  
 SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi  
 DATE SAMPLED: July 24-25, 2025  
 STATE SAMPLED IN: NEW YORK  
 ANALYSIS METHOD: PLM/ PLM-NOB/QTEM

PROJECT NAME: 2024 Capital Project - Phase 3  
 PROJECT BUILDING: Middle School & High School  
 PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

TURN-AROUND TIME: 5 DAYS

Sample	HMI#	Floor	Space Name/ID #	Location	Material	Results
3102199	6814-MS-32		First Kitchen Office	Floor, Top layer, White 12"x12"	Floor Tile & Mastic	
3102200						
3102201	6814-MS-34		First Kitchen Cafeteria	Floor, 12"x12", Blue	Floor Tile	
3102202						
3102203	6814-MS-36		First Kitchen Cafeteria	Floor, Below Blue 12"x12" Floor Tile	Leveling Compound & Mastic	
3102204						
	6814-MS-38		Roof Kitchen, Exterior	Field, Deck	Gypsum	
3102205	6814-MS-40		Roof Kitchen, Exterior	Field, Third layer, on Gypsum Deck	EPDM	
3102206						
3102207	6814-MS-42		Roof Kitchen, Exterior	Field, Second Layer, On EPDM Covered Gypsum	ISO Insulation	
3102208						
3102209	6814-MS-44		Roof Kitchen, Exterior	Field, Top Layer, On ISO Insulation	EPDM	
3102210						

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: M.D. [Signature]

DATE: 7/28/25  
 JUL 28 '25 20:45  
 DATE: \_\_\_\_\_  
 PAGE 3 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
CONTACT: Jack Rallo

PROJECT #: 25-6817  
SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi  
DATE SAMPLED: July 24-25, 2025  
STATE SAMPLED IN: NEW YORK  
ANALYSIS METHOD: PLM/ PLM-NOB/QTEM  
TURN-AROUND TIME: 5 DAYS

PROJECT NAME: 2024 Capital Project - Phase 3  
PROJECT BUILDING: Middle School & High School  
PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

Sample	HM#	Floor	Space Name/ID #	Location	Material	Results
3102211	6814-MS-46	Roof	Gym, Exterior, East Side	Window Frame, Metal To Metal, Bottom Layer, White	Caulk	
3102212						
3102213	6814-MS-48	Roof	Gym, Exterior, East Side	Window Frame, Metal To Metal, Top layer, Grey	Caulk	
3102214						
3102215	6814-MS-50	Exterior	Original Build Façade	South-West Window, Metal To Wood,	Glazing	
3102216						
	6814-HS-52	First	Cafeteria B	Wall, On Sheetrock	Joint Compound	
	6814-HS-54	First	Instrument Storage	Wall, On Sheetrock	Joint Compound	
	6814-HS-56	First	Band Room	Wall, On Sheetrock	Joint Compound	
	6814-HS-58	First	Cafeteria C	Wall	Sheetrock	
	6814-HS-60	First	Kitchen	Wall, Below Ceramic Wall Tile	Plaster	

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: MT Warner

DATE: 7/28/25  
JUL 28 '25 20:45  
DATE: \_\_\_\_\_  
PAGE 4 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
 ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
 CONTACT: Jack Rallo

PROJECT #: 25-6817  
 SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi

DATE SAMPLED: July 24-25, 2025  
 STATE SAMPLED IN: NEW YORK  
 ANALYSIS METHOD: PLM/ PLM-NOB/QTEM

PROJECT NAME: 2024 Capital Project - Phase 3  
 PROJECT BUILDING: Middle School & High School  
 PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

TURN-AROUND TIME: 5 DAYS

Sample	HMP#	Floor	Space Name/ID #	Location	Material	Results
3102217						
3102218	6814-HS-62		First Kitchen A	Ceiling, Dot Canyon, Suspended	Suspended Ceiling Tile	
	6814-HS-64		First Room T190A	Floor	Ceramic Floor Tile	
	6814-HS-66		First Room T190	Floor, On Ceramic Floor Tile	Grout	
3102219						
3102220	6814-HS-68		First Room T190	Wall, On Sheetrock	Ceramic Wall Tile & Mastic	
	6814-HS-70		First Room T190	Wall, On Ceramic Wall Tile	Grout	
3102221						
3102222	6814-HS-72		First Room T180A	Wall, On Sheetrock	Ceramic Cove base & Mastic	
	6814-HS-74		First Room T180	Wall, On ceramic Cove base	Grout	

Comments: \_\_\_\_\_

SUBMITTED BY: A. Castellanos

RECEIVED BY: MTW

DATE: 7/28/25  
 JUL 28 '25 20:45  
 DATE: \_\_\_\_\_  
 PAGE 5 OF 7

Quality Environmental Solutions and Technologies, Inc.  
Bulk Sample Chain of Custody

CLIENT: Washingtonville CSD  
 ADDRESS: 52 West Main Street  
Washingtonville, NY 10992  
 CONTACT: Jack Rallo

PROJECT #: 25-6817  
 SAMPLED BY: S. Talsma/A. Castellanos/  
C. Annesi  
 DATE SAMPLED: July 24-25, 2025  
 STATE SAMPLED IN: NEW YORK  
 ANALYSIS METHOD: PLM/ PLM-NOB/QTEM  
 TURN-AROUND TIME: 5 DAYS

PROJECT NAME: 2024 Capital Project - Phase 3  
 PROJECT BUILDING: Middle School & High School  
 PROJECT ADDRESS: 38 West Main Street  
Washingtonville, NY 10992

Sample	HMI#	Floor	Space Name/ID #	Location	Material	Results
6814-HS-76		First	Room T190A	Floor, Below Ceramic Floor Tile, On Cementitious Slab	Mud set	
6814-HS-78		First	Room T180	Floor, Below Ceramic Floor Tile, On Cementitious Slab	Setting Bed	
6814-HS-80		First	Room T180	Floor	Ceramic Floor Tile	
6814-HS-82		First	Room T180	Floor, On Ceramic Floor Tile	Grout	
6814-HS-84		First	Room T180	Floor, On Ceramic Wall Tile	Grout	
6814-HS-86		Roof	Exterior, Cafeteria	Field, Deck	Gypsum	
3102223						
3102224		Roof	Exterior, Cafeteria	Field, Bottom layer, On Gypsum Deck	Tar Paper Vapor barrier	
3102225						
3102226		Roof	Exterior, Cafeteria	Field, Second Layer, On tar paper Vapor Barrier	ISO Insulation	
3102227						

Comments: \_\_\_\_\_  
 SUBMITTED BY: A. Castellanos  
 RECEIVED BY: MD WARNER

DATE: 7/28/25  
 JUL 28 '25 20:45  
 DATE: \_\_\_\_\_  
 PAGE 6 OF 7





Quality Environmental Solutions & Technologies, Inc.

## **Appendix C:**

# **LEAD BASED PAINT PHOTOS & XRF ANALYTICAL DATA**

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1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified [www.Qualityenv.com](http://www.Qualityenv.com)

# QuES&T

Quality Environmental Solutions & Technologies, Inc.



**Above: Green Ceramic Wall Tile**

# QuES&T

Quality Environmental Solutions & Technologies, Inc.



**Above: Main Window Decor**

# QuES&T

Quality Environmental Solutions & Technologies, Inc.



**Above: South West Stairwell Window Frame**

# QuES&T

Quality Environmental Solutions & Technologies, Inc.



**Above: Main Entrance Window Frame**

# QuES&T

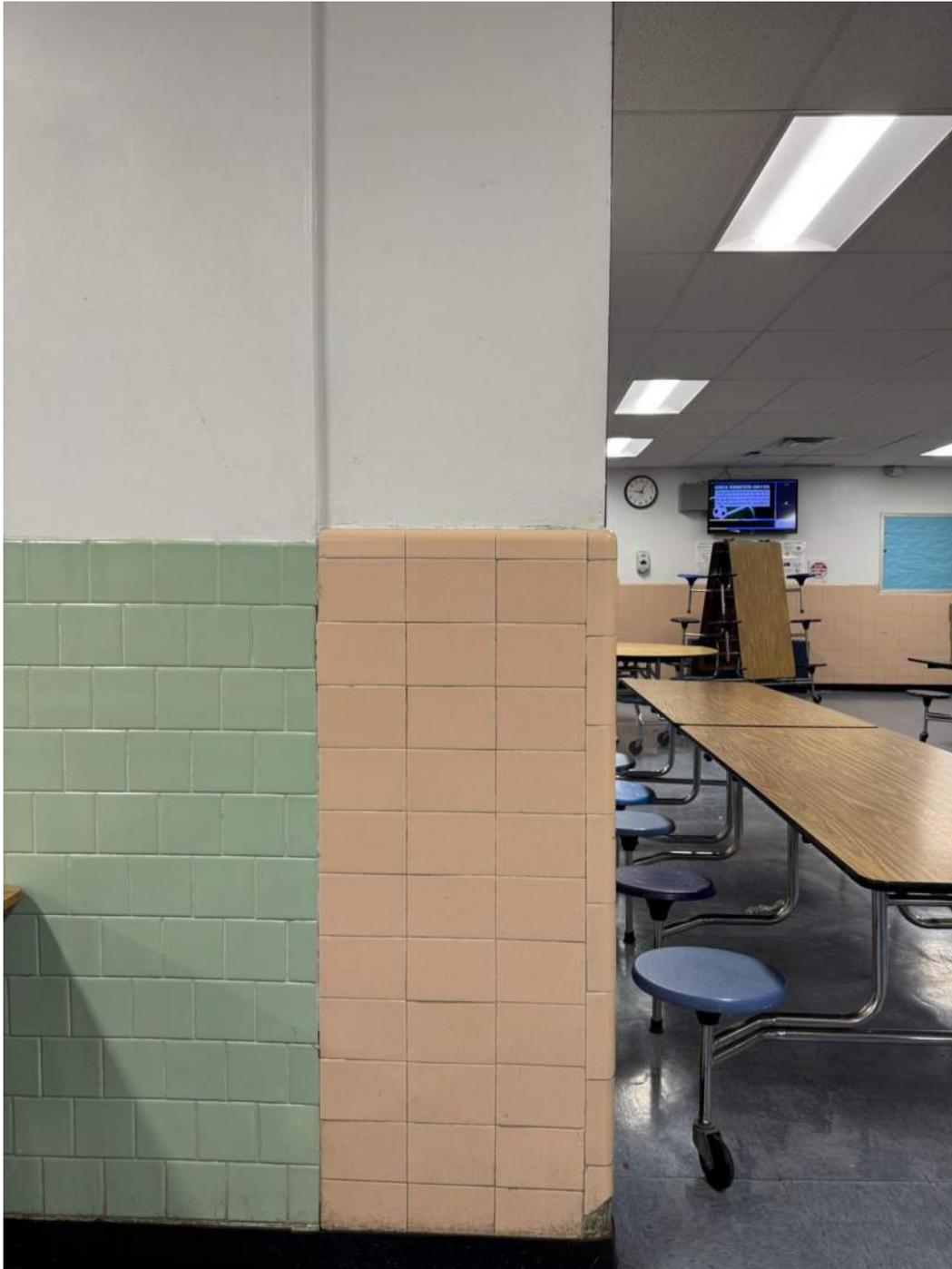
Quality Environmental Solutions & Technologies, Inc.



**Above: Main Entrance Window Frame**

# QuES&T

Quality Environmental Solutions & Technologies, Inc.



**Above: Peach Ceramic Wall Tile**

# QuES&T

Quality Environmental Solutions & Technologies, Inc.



**Above: Main Entrance Wall**

# QuES&T

Quality Environmental Solutions & Technologies, Inc.



**Above: East Stairwell Window Frame**

Limited XRF LBP Testing

Sample	Building/Address	Interior/Exterior	Floor	Space/Room/Description	Object	Component	Substrate	Color	Condition	Result	Pb Concentration (mg/cm <sup>2</sup> )
1	NIST (<0.01)									Negative	0
<b>2</b>	<b><u>NIST (1.04 +/- 0.06)</u></b>									<b>Positive</b>	<b>1</b>
3	WMS	Int	1	Café A	Wall	Upper	Sheetrock	White	Fair	Negative	-0.1
4	WMS	Int	1	Café A	Wall	Upper	Sheetrock	White	Fair	Negative	-0.2
<b>5</b>	<b><u>WMS</u></b>	<b><u>Int</u></b>	<b><u>1</u></b>	<b><u>Café A</u></b>	<b><u>Wall</u></b>	<b><u>Lower</u></b>	<b><u>CWT</u></b>	<b><u>Peach</u></b>	<b><u>Fair</u></b>	<b><u>Positive</u></b>	<b><u>26.1</u></b>
6	WMS	Int	1	Café A	Wall	Lower	CWT	Mint	Fair	Negative	0.3
<b>7</b>	<b><u>WMS</u></b>	<b><u>Int</u></b>	<b><u>1</u></b>	<b><u>Café A</u></b>	<b><u>Wall</u></b>	<b><u>Lower</u></b>	<b><u>CWT</u></b>	<b><u>Green</u></b>	<b><u>Fair</u></b>	<b><u>Positive</u></b>	<b><u>11.8</u></b>
8	WMS	Int	1	Café A	Wall	Lower	CWT	White	Fair	Negative	0.1
9	WMS	Int	1	Kitchen	Door	Frame	Metal	Navy	Fair	Negative	0.1
10	WMS	Int	1	Kitchen Office	Door	Frame	Metal	White	Fair	Negative	0.1
11	WMS	Int	1	Kitchen Office	Wall		Sheetrock	Blue	Fair	Negative	0.1
12	WMS	Int	1	Kitchen lockers	Wall		Sheetrock	Blue	Fair	Negative	-0.1
13	WMS	Int	1	Kitchen BR	Wall	Upper	Sheetrock	White	Fair	Negative	-0.1
14	WMS	Int	1	Kitchen BR	Wall	Lower	Sheetrock	Green	Fair	Negative	-0.1
15	WMS	Int	1	Storage	Door	Frame	Metal	Blue	Fair	Negative	0.1
16	WMS	Ext	1	Main Entrance	Pillar	Column	Wood	White	Fair	Negative	-0.6
<b>17</b>	<b><u>WMS</u></b>	<b><u>Ext</u></b>	<b><u>1</u></b>	<b><u>Main Entrance</u></b>	<b><u>Pillar</u></b>	<b><u>Base</u></b>	<b><u>Wood</u></b>	<b><u>White</u></b>	<b><u>Poor</u></b>	<b><u>Positive</u></b>	<b><u>28.3</u></b>
<b>18</b>	<b><u>WMS</u></b>	<b><u>Ext</u></b>	<b><u>1</u></b>	<b><u>Main Entrance</u></b>	<b><u>Wall</u></b>		<b><u>Plaster</u></b>	<b><u>Gray</u></b>	<b><u>Poor</u></b>	<b><u>Positive</u></b>	<b><u>7.5</u></b>
19	WMS	Ext	1	Main Entrance	Door	Frame	Wood	White	Poor	Negative	0.4
20	WMS	Ext	1	Main Entrance	Door	Frame	Wood	White	Poor	Negative	0.1
21	WMS	Int	2	Main Staircase	Window	Frame	Wood	Brown	Fair	Negative	0.1
22	WMS	Int	2	Main Staircase	Window	Frame	Wood	Brown	Fair	Negative	0.3
23	WMS	Int	2	SW Staircase	Window	Frame	Wood	Brown	Fair	Negative	0.4
24	WMS	Int	2	SW Staircase	Window	Frame	Wood	White	Fair	Negative	0.1
25	WMS	Int	2	E Staircase	Window	Frame	Wood	Brown	Fair	Negative	0
26	WMS	Int	2	E Staircase	Window	Frame	Metal	Black	Fair	Negative	0.1
<b>27</b>	<b><u>WMS</u></b>	<b><u>Ext</u></b>	<b><u>2</u></b>	<b><u>Main Staircase</u></b>	<b><u>Window</u></b>	<b><u>Frame</u></b>	<b><u>Wood</u></b>	<b><u>White</u></b>	<b><u>Poor</u></b>	<b><u>Positive</u></b>	<b><u>30</u></b>
<b>28</b>	<b><u>WMS</u></b>	<b><u>Ext</u></b>	<b><u>2</u></b>	<b><u>Main Staircase</u></b>	<b><u>Window</u></b>	<b><u>Décor</u></b>	<b><u>Wood</u></b>	<b><u>White</u></b>	<b><u>Poor</u></b>	<b><u>Positive</u></b>	<b><u>1.2</u></b>
<b>29</b>	<b><u>WMS</u></b>	<b><u>Ext</u></b>	<b><u>2</u></b>	<b><u>SW Staircase</u></b>	<b><u>Window</u></b>	<b><u>Frame</u></b>	<b><u>Wood</u></b>	<b><u>White</u></b>	<b><u>Poor</u></b>	<b><u>Positive</u></b>	<b><u>31</u></b>
<b>30</b>	<b><u>WMS</u></b>	<b><u>Ext</u></b>	<b><u>2</u></b>	<b><u>E Staircase</u></b>	<b><u>Window</u></b>	<b><u>Frame</u></b>	<b><u>Wood</u></b>	<b><u>White</u></b>	<b><u>Poor</u></b>	<b><u>Positive</u></b>	<b><u>28.8</u></b>
31	NIST (<0.01)									Negative	0
<b>32</b>	<b><u>NIST (1.04 +/- 0.06)</u></b>									<b>Positive</b>	<b>1</b>
33	NIST (<0.01)									Negative	0
<b>34</b>	<b><u>NIST (1.04 +/- 0.06)</u></b>									<b>Positive</b>	<b>1</b>
35	WHS	Int	1	Band Office Entry	Wall		Sheetrock	White	Fair	Negative	0.1
36	WHS	Int	1	Band Office Entry	Door		Metal	Blue	Fair	Negative	0
37	WHS	Int	1	Practice Room	Wall		Metal	Tan	Fair	Negative	-0.1
38	WHS	Int	1	Music Office	Wall		Sheetrock	White	Fair	Negative	0.1
39	WHS	Int	1	Music Office	Wall		Brick	White	Fair	Negative	-0.2
40	WHS	Int	1	Music Office	Door		Metal	Red	Fair	Negative	-0.1
41	WHS	Int	1	Band Room	Wall		Sheetrock	White	Fair	Negative	0
42	WHS	Int	1	Band Room	Wall		Metal	Red	Fair	Negative	-0.1
43	WHS	Int	1	Bathroom (Across from gym/ Gender Neutral)	Wall		Sheetrock	White/Green	Fair	Negative	0.1
44	WHS	Int	1	Bathroom (Across from gym/ Gender Neutral)	Door		Wood	Blue	Fair	Negative	-0.2
45	WHS	Int	1	Bathroom (Across from gym/ Gender Neutral)	Wall		Sheetrock	Blue	Fair	Negative	0
46	WHS	Int	1	Bathroom (Across from gym/ Gender Neutral)	Door		Wood	White/Green	Fair	Negative	-0.1

**Limited XRF LBP Testing**

47	WHS	Int	1	Girls Bathroom	Door	Metal	Blue	Fair	Negative	0.1
48	WHS	Int	1	Girls Bathroom	Wall	Sheetrock	Pink	Fair	Negative	-0.2
49	WHS	Int	1	Boys Bathroom	Wall	Sheetrock	Blue	Fair	Negative	0.3
50	WHS	Int	1	Boys Bathroom	Door	Metal	Blue	Fair	Negative	0
51	WHS	Int	2	Hallway	Wall	Sheetrock	White	Fair	Negative	-0.3
52	WHS	Int	2	Hallway	Wall	Sheetrock	Yellow	Fair	Negative	-0.4
53	WHS	Int	2	Hallway	Wall	Wood	Black	Fair	Negative	0
54	WHS	Int	2	Hallway	Door	Wood	Red	Fair	Negative	0
55	WHS	Int	1	Hallway	Wall	Sheetrock	White	Fair	Negative	-0.1
56	WHS	Int	1	Hallway	Wall	Sheetrock	Yellow	Fair	Negative	-0.2
57	WHS	Int	1	Café A	Wall	Brick	White	Fair	Negative	0.3
58	WHS	Int	1	Café A	Wall	Sheetrock	White	Fair	Negative	-0.2
59	WHS	Int	1	Café A	Wall	Sheetrock	White	Fair	Negative	0.1
60	WHS	Int	1	Café B	Wall	Brick	White	Fair	Negative	0.1
61	WHS	Int	1	Café B	Wall	Sheetrock	White	Fair	Negative	0.1
62	WHS	Int	1	Café B	Wall	Sheetrock	White	Fair	Negative	0
63	WHS	Int	1	Kitchen	Wall	Sheetrock	White	Fair	Negative	0
64	WHS	Int	1	Kitchen	Door	Metal	Blue	Fair	Negative	-0.1
65	WHS	Int	1	Kitchen	Door	Metal	Black	Fair	Negative	0.1
66	WHS	Int	1	Kitchen	Wall	CWT	White	Fair	Negative	0.4
67	WHS	Int	1	Serving Line	Wall	Metal	Black	Fair	Negative	0.1
68	WHS	Int	1	Serving Line	Wall	Metal	Black	Fair	Negative	0.2
69	WHS	Int	1	Kitchen	Locker Room	Sheetrock	White	Fair	Negative	0.2
70	WHS	Int	1	Kitchen	Bathroom	Sheetrock	White	Fair	Negative	0.1
71	WHS	Int	1	Kitchen	Door	Wood	Blue	Fair	Negative	-0.1
72	WHS	Int	1	Kitchen	Door	Metal	Black	Fair	Negative	0.2
73	WHS	Int	1	Café C	Wall	Plaster	White	Fair	Negative	-0.5
74	WHS	Int	1	Café C	Wall	Plaster	White	Fair	Negative	-0.4
75	WHS	Int	1	Café C	Door	Metal	Blue	Fair	Negative	0
76	WHS	Int	1	Café C	Door	Metal	Blue	Fair	Negative	0
77	WHS	Int	1	Café C	Window	Metal	Gray	Fair	Negative	0
78	WHS	Ext	1	Café C	Window	Metal	Gray	Fair	Negative	0.2
79	WHS	Int	1	Main Office Hallway	Window	Glass	Black	Fair	Negative	0.4
80	NIST (<0.01)								Negative	0
<b>81</b>	<b>NIST (1.04 +/- 0.06)</b>								<b>Positive</b>	<b>1</b>

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Quality Environmental Solutions & Technologies, Inc.

**Appendix D:**  
**PERSONNEL LICENSES & CERTIFICATIONS**



# NEW YORK STATE MINORITY- AND WOMEN-OWNED BUSINESS ENTERPRISE ("MWBE") CERTIFICATION

Empire State Development's Division of Minority and Women's Business Development grants a

## **Minority Business Enterprise (MBE)**

pursuant to New York State Executive Law, Article 15-A to:

## **Quality Environmental Solutions & Technologies Inc. DBA QuEST**

Certification Awarded on: May 13, 2024  
Expiration Date: May 13, 2029  
File ID#: 49952



**Division of Minority  
and Women's  
Business Development**

A Division of Empire State Development

**WE ARE YOUR DOL**



DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

# ASBESTOS HANDLING LICENSE

Quality Environmental Solutions & Technologies, Inc.  
1376 Route 9, Wappinger Falls, NY, 12590

License Number: 29085

License Class: RESTRICTED

Date of Issue: 01/02/2025

Expiration Date: 01/31/2026

Duly Authorized Representative: Lawrence J Holzapfel

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.

Amy Phillips, Director  
For the Commissioner of Labor

EXCELSIOR

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER

Expires 12:01 AM April 01, 2026  
Issued April 01, 2025

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

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

*MR. PAUL STASCAVAGE  
EAS INC - EASTERN ANALYTICAL SERVICES INC  
4 WESTCHESTER PLAZA  
ELMSFORD, NY 105231610*

*NY Lab Id No: 10851*

*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
Asbestos-Vermiculite-Containing Mate	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

**Sample Preparation Methods**

EPA 3050B

**Serial No.: 70280**

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to [elap@health.ny.gov](mailto:elap@health.ny.gov).

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



**SHANNON D TALSMA**  
CLASS(EXPIRES)  
C ATEC (10/25) D INSP (10/25)  
H PM (10/25)

CERT# 24-61PEC-SHAB  
DMV# 963348232

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 007310343 42

IF FOUND, RETURN TO:  
NYS DOL - L&C UNIT  
ROOM 161A BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12226



12-006010504

This card acknowledges that the recipient has successfully completed:

**10-hour Construction Safety and Health**

This card issued to:

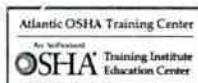
Shannon D. Talsma

David Veit

04/22/2016

Trainer Name

Date of Issue



732.235.9450  
aotc.sph.rutgers.edu

OSHA recommends Outreach Training Courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

Use or distribution of this card for fraudulent purposes, including false claims of having received training, may result in prosecution under 18 U.S.C. 1001. Potential penalties include substantial criminal fines, imprisonment up to 5 years, or both.

To verify this training, scan the QR code with your mobile device.



Rev. 1/2016

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



**ABRAHAM CASTELLANOS**

CLASS(EXPIRES)

C ATEC (05/26) H PM (05/26)

D INSP (05/26) G SUPR (05/25)

CERT# 25-6ZVXY-SHAB  
DMV# 209831209

**MUST BE CARRIED ON ASBESTOS PROJECTS**



01213 007535858 09

**IF FOUND, RETURN TO:**

**NYSDOL - L&C UNIT**

**ROOM 161A BUILDING 12**

**STATE OFFICE CAMPUS**

**ALBANY NY 12226**



20-006275721

This card acknowledges that the recipient has successfully completed:

**10-hour Construction Safety and Health**

This card issued to:

**Abraham Castellanos**

Robert Serino	6/28/2022
Trainer Name	Date Issued



813-974-2284  
usfotiec-cards@usf.edu

OSHA recommends Outreach Training Courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

Use or distribution of this card for fraudulent purposes, including false claims of having received training, may result in prosecution under 18 U.S.C. 1001. Potential penalties include substantial criminal fines, imprisonment up to 5 years, or both.



To verify this training scan the QR code with your mobile device.

Rev. 1/2016

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



**CAROLINE M ANNESI**

CLASS(EXPIRES)

D INSP (03/26) H-PM (03/26)

C ATEC (03/26)

CERT# 25-6TL11-SHAB  
DMV# 840820284

MUST BE CARRIED ON ASBESTOS PROJECTS



IF FOUND, RETURN TO:

NYSDOL - L&C UNIT

ROOM 161A BUILDING 12

STATE OFFICE CAMPUS

ALBANY NY 12226



01213 007537467 81



26-007453621

This card acknowledges that the recipient has successfully completed:

**10-hour Construction Safety and Health**

This card issued to:

**CAROLINE ANNESI**

Jason Lane Cole  
Trainer Name

05/29/2023  
Date of Issue



866-906-9190  
[www.uta.edu/ded/osha](http://www.uta.edu/ded/osha)

OSHA recommends Outreach Training Courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

Use or distribution of this card for fraudulent purposes, including false claims of having received training, may result in prosecution under 18 U.S.C. 1001. Potential penalties include substantial criminal fines, imprisonment up to 5 years, or both.

To verify this training, scan the QR code with your mobile device.



Rev. 1/2016

**ThermoFisher**  
SCIENTIFIC

# CERTIFICATE

This Certifies that

*Caroline Annesi*

Has successfully completed

**Niton Apollo LIBS Analyzer: Safety Training**

6/16/2023

DATE

Valid for one (1) year

**ThermoFisher**  
S C I E N T I F I C

# CERTIFICATE

This Certifies that

Caroline Annesi

Has successfully completed

**Safety Training for**

**US Regulations for Handheld XRF Analyzers with Radioactive Sealed Sources**



Supervisor Signature

6/16/2023

COMPLETION DATE

*Jean Geslin*

Jean Geslin, RSO  
Thermo Fisher Scientific

**ThermoFisher**  
S C I E N T I F I C

# CERTIFICATE

This Certifies that

Caroline Annesi

Has successfully completed

**Safety Training for  
Transport of Radioactive Sealed Sources in XRF Analyzers**



Supervisor Signature

6/16/2023

COMPLETION DATE

*Jean Geslin*

Jean Geslin, RSO  
Thermo Fisher Scientific

**ThermoFisher**  
S C I E N T I F I C

# CERTIFICATE

This Certifies that

Caroline Annesi

Has successfully completed

**Safety Training for  
Transport of Li Ion Batteries**

  
Supervisor Signature

6/16/2023

COMPLETION DATE

*Jean Geslin*

Jean Geslin, RSO  
Thermo Fisher Scientific

**ThermoFisher**  
SCIENTIFIC

# CERTIFICATE

This Certifies that

Caroline Annesi

Has successfully completed

**Safety Training for  
Sealed Source XRF - Radiation Safety**

*Jean Geslin*

Supervisor Signature

6/16/2023

COMPLETION DATE

*Jean Geslin*

Jean Geslin, RSO  
Thermo Fisher Scientific

**ThermoFisher**  
SCIENTIFIC

# CERTIFICATE

This Certifies that

Caroline Annesi

Has successfully completed

**Safety Training for  
Radiation Safety for X-ray Tube Based Instruments**

6/16/2023

COMPLETION DATE



Supervisor Signature

*Jean Geslin*

Jean Geslin, RSO  
Thermo Fisher Scientific