AHERA - THREE YEAR REINSPECTION



CENTRAL OFFICE

1340 BRADDOCK PLACE
ALEXANDRIA, VIRGINIA 22314

ECS PROJECT NO. 47:11652-E4-4

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

AUGUST 18, 2025

Geotechnical • Construction Materials • Environmental • Facilities

August 18, 2025

Mr. Lee Conroy
Alexandria City Public Schools
1704 North Beauregard Street
Alexandria, Virginia 22311

ECS Project No. 47:11652-E4-4

Reference: AHERA - Three Year Reinspection, Central Office, 1340 Braddock Place, Alexandria, Virginia

Dear Mr. Conroy:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Alexandria City Public Schools with the results of the above referenced AHERA - Three Year Reinspection performed at Central Office located at 1340 Braddock Place in Alexandria, Virginia.

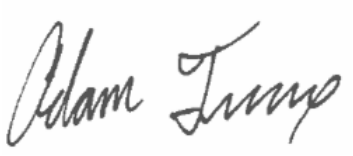
Previous asbestos surveys of the central office did not identify asbestos. ECS performed a cursory walk through of the central office to observe present conditions.

This report summarizes our observations, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 47:39012-EP and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Alexandria City Public Schools with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC



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1.0 SITE DESCRIPTION

The subject property consists of the ACPS Central Office, a seven-story brick office building located at 1340 Braddock Place in Alexandria, Virginia. The office building was originally constructed in 1985 and encompasses approximately 85,232 square feet. As reported by the client, no renovations have occurred since 2021.

2.0 PURPOSE

Previous asbestos surveys of the school did not identify asbestos. ECS performed a cursory walk through of the central office to observe present conditions.

3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal.

3.1 Asbestos Re-Inspection

The AHERA re-inspection survey was performed by David Stambaugh, a Virginia licensed asbestos inspector (license number 3303005057) who has received EPA-accredited training.

Before conducting the re-inspection, ECS reviewed existing inspection reports and then walked through areas where assumed materials were located.

The scope of work for the re-inspection included the following items:

- Review the existing management plan to determine the areas requiring re-inspection.
- Identify renovations or new materials that have been added to the building since the previous inspection.

At the request of the client, ECS did not sample additional materials during this inspection.

4.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the AHERA - Three Year Reinspection, and our findings and observations, ECS presents the following recommendations.

4.1 Asbestos-Containing Materials

For any future renovation project, a more in-depth survey should be performed for asbestos in the path of construction. Where asbestos is found, an asbestos abatement plan should be prepared by an accredited professional as outlined in AHERA prior to performing any asbestos removal work.

The results of this survey should be added to the AHERA management plan for the central office.

5.0 LIMITATIONS

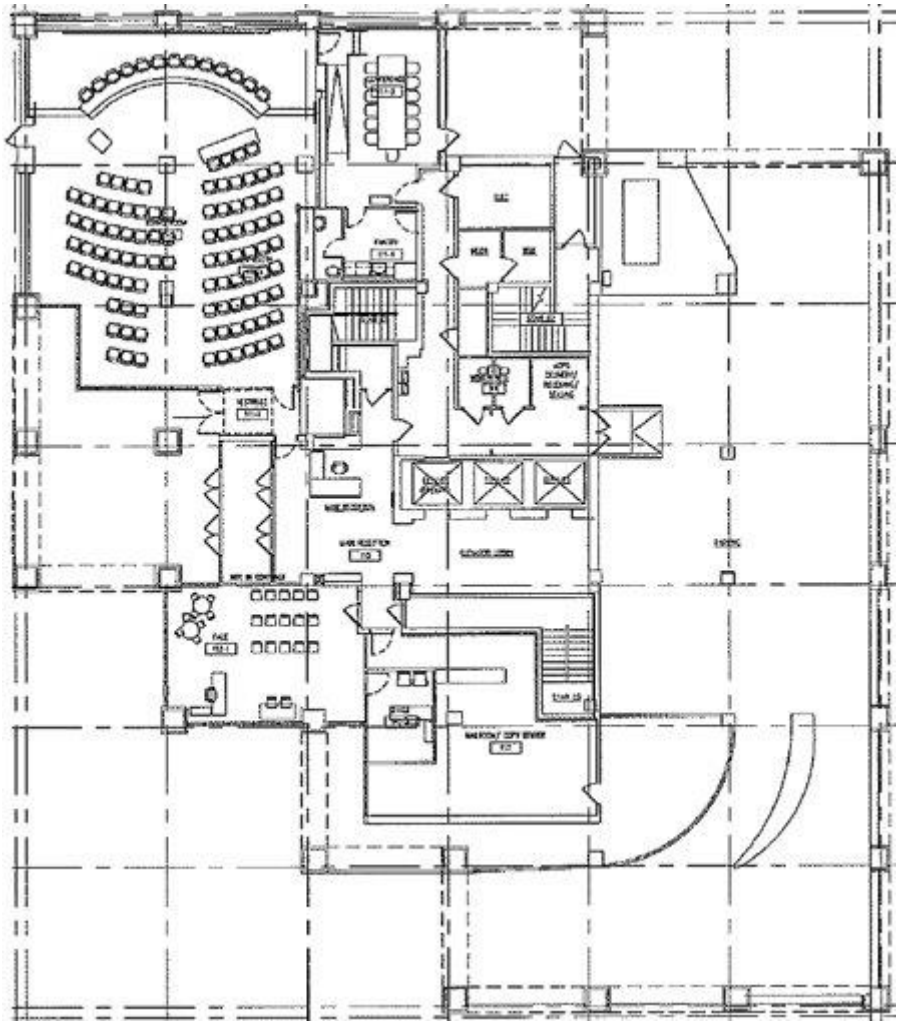
The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

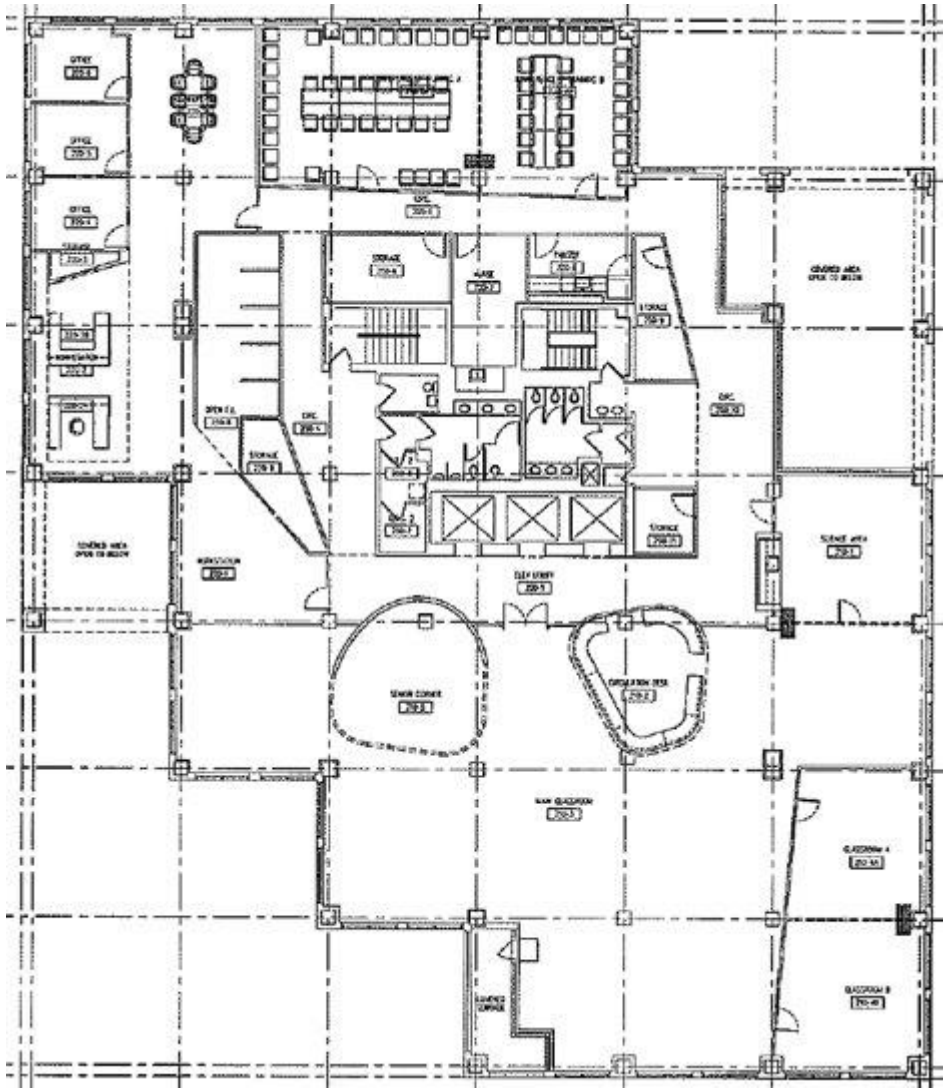
Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

Appendix I: Floor Plan

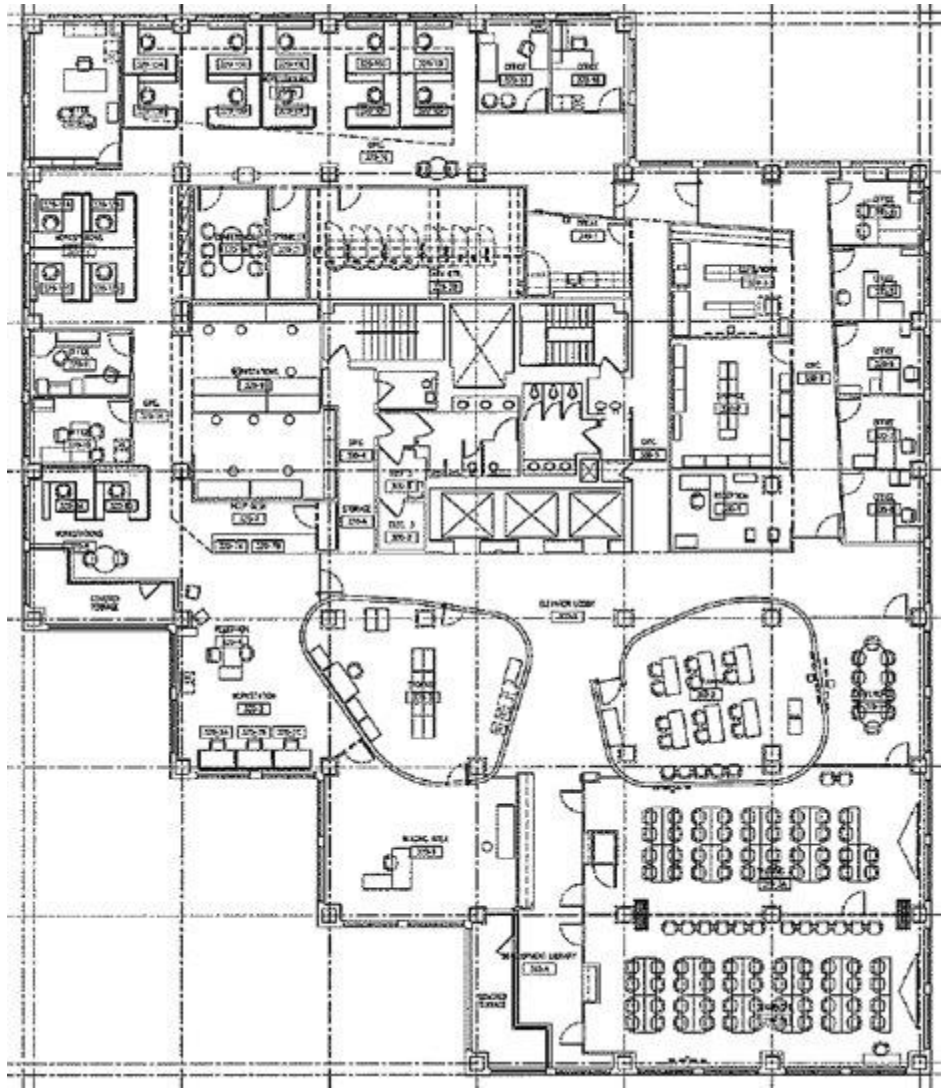
1st Floor



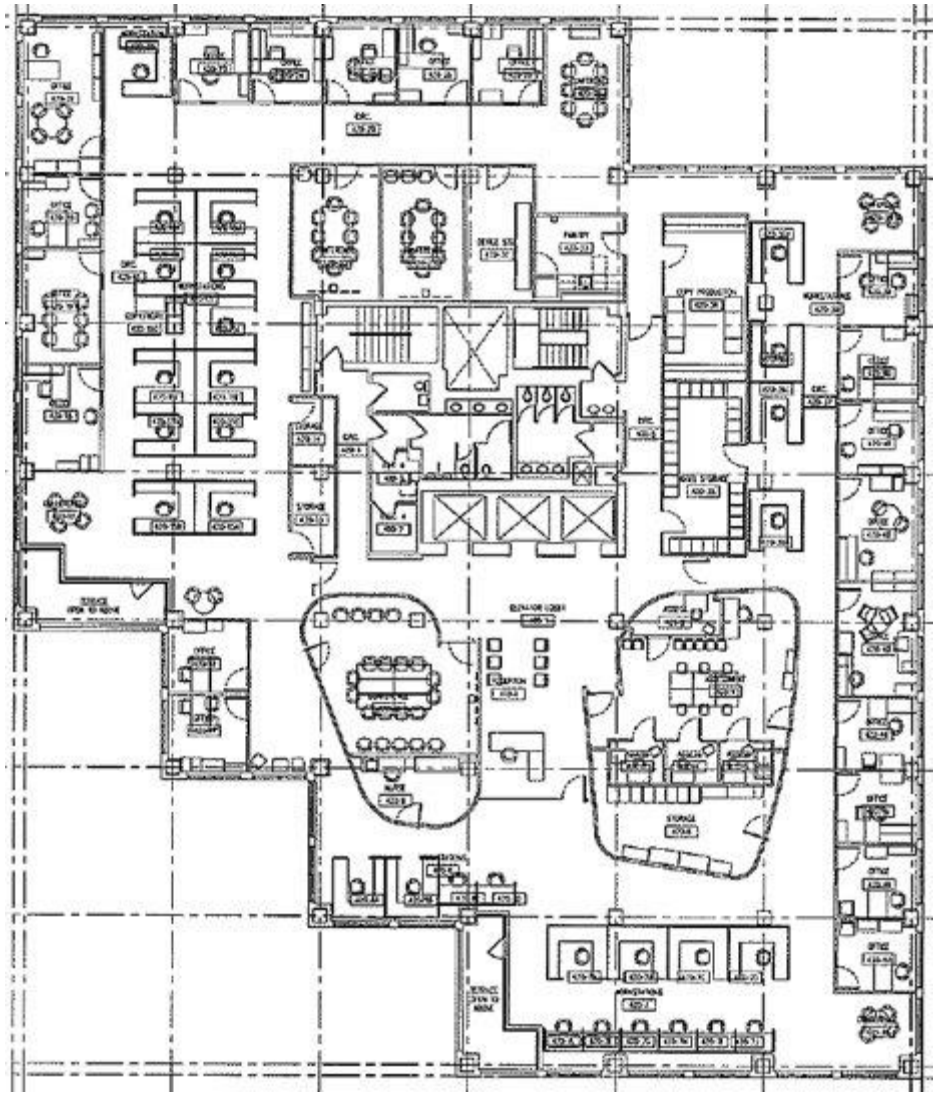
2nd Floor



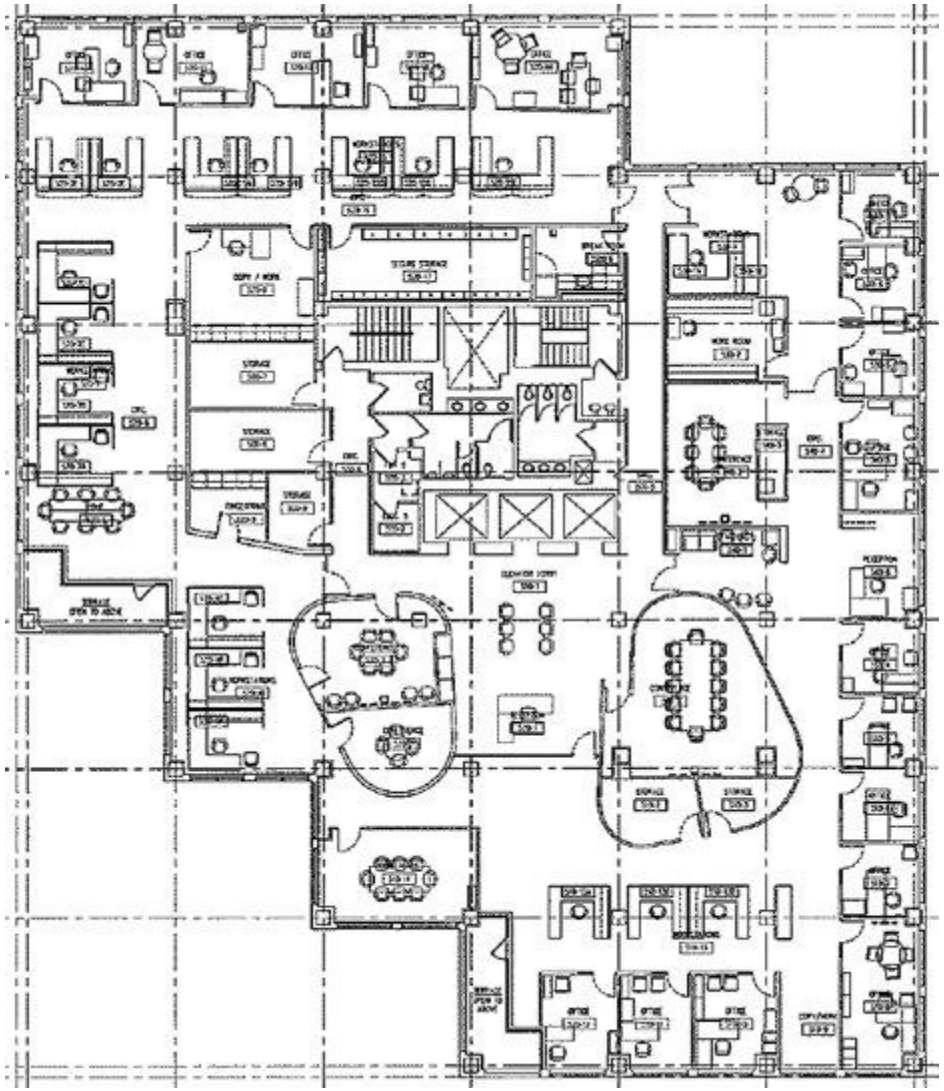
3rd Floor



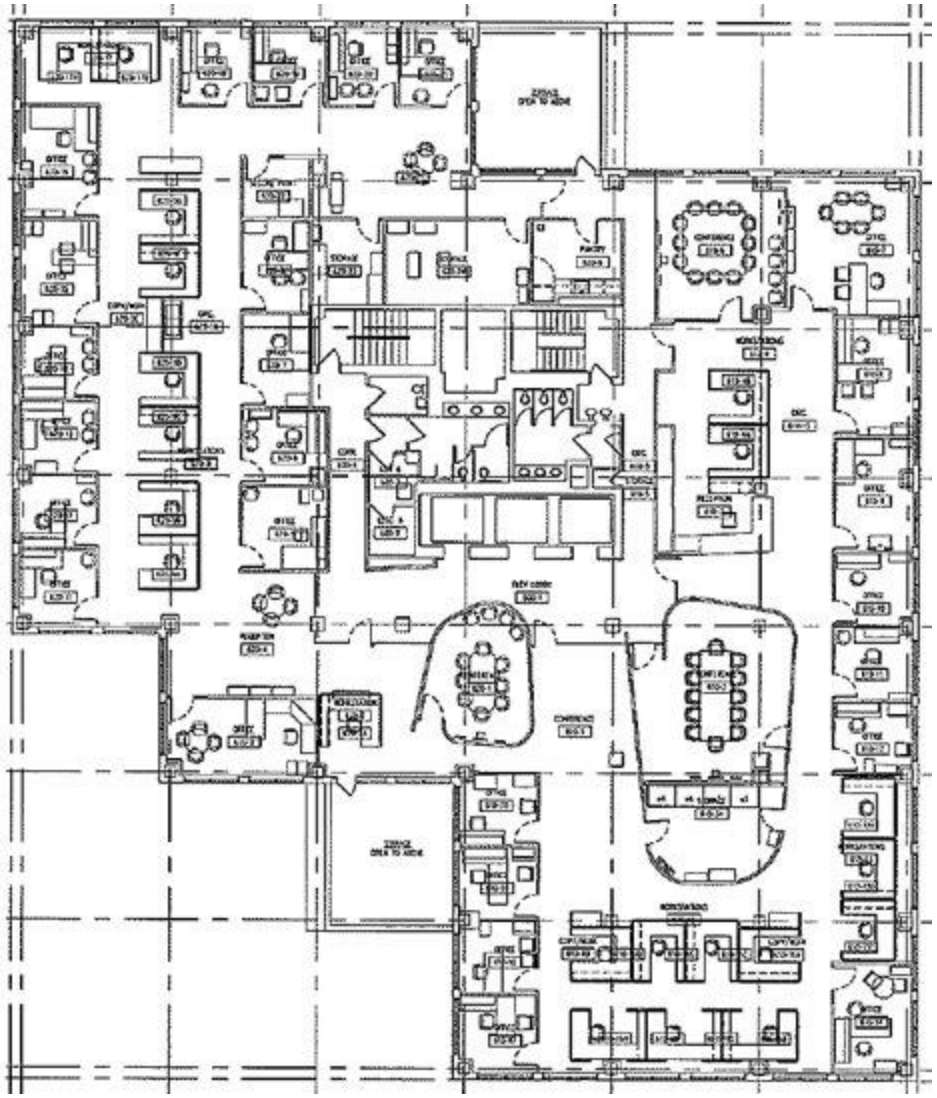
4th Floor



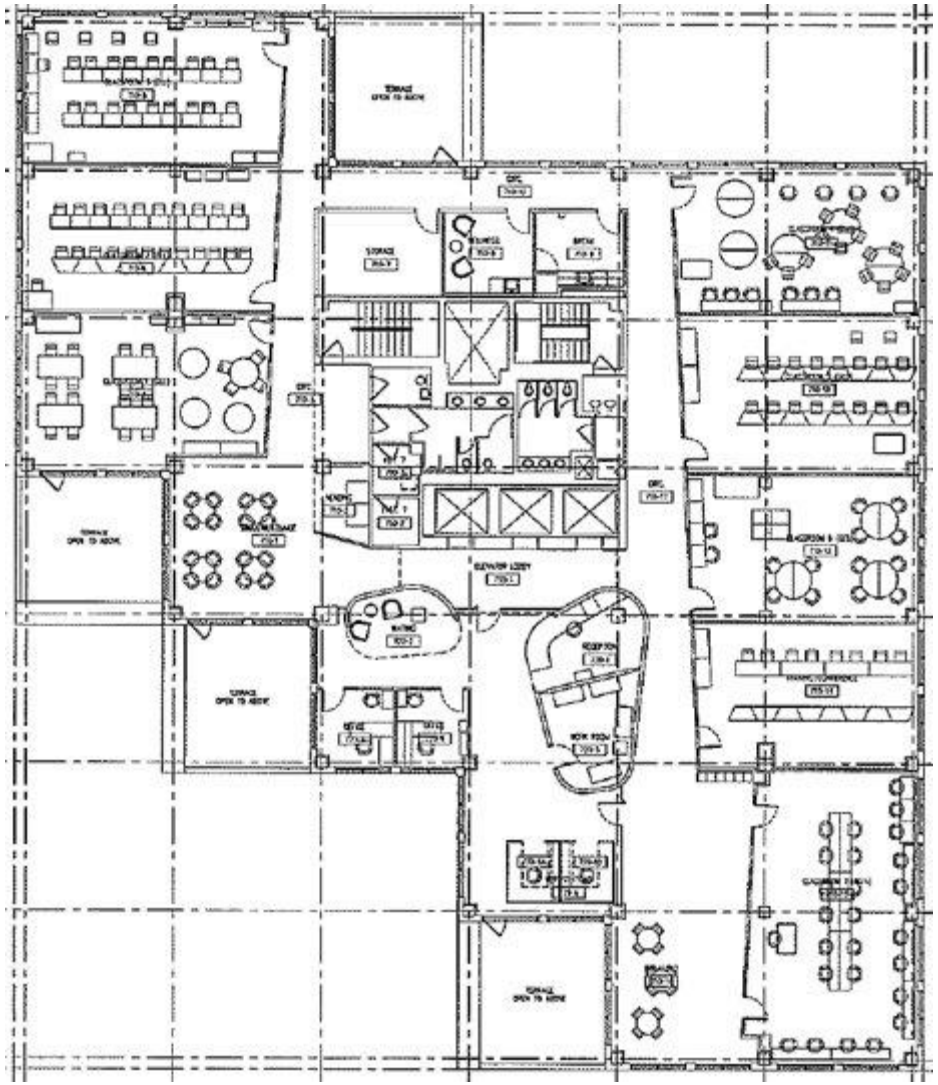
5th Floor



6th Floor



7th Floor



Appendix II: Certifications/ Licenses

DPOR License Lookup License Number 3303005057

License Details

Name	STAMBAUGH, DAVID
License Number	3303005057
License Description	Asbestos Inspector License
Rank	Asbestos Inspector
Address	CLEAR BROOK, VA 22624
Initial Certification Date	2023-12-19
Expiration Date	2025-12-31

The data located on this website are not the public records of the Department of Professional and Occupational Regulation (DPOR). All public records are physically located at DPOR's Public Records Section: 9960 Mayland Drive, Suite 400, Richmond, VA 23233. While DPOR works to ensure the accuracy of the data provided online, the data available on these pages are updated routinely but may not be up to date at all times (due to document processing delays, technical maintenance, etc.).

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DPOR License Lookup License Number 3304001722

License Details

Name	TRUAX, ADAM MICHAEL
License Number	3304001722
License Description	Asbestos Management Planner License
Rank	Asbestos Management Planner
Address	RANSON, WV 25438
Initial Certification Date	2023-03-30
Expiration Date	2026-03-31

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Appendix III: Previous Reports

AHERA ASBESTOS-CONTAINING MATERIALS SURVEY



ALEXANDRIA CITY PUBLIC SCHOOLS CENTRAL OFFICE

1340 BRADDOCK PLACE
ALEXANDRIA, VIRGINIA 22314

ECS PROJECT NO. 47:11652-E2

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

MARCH 23, 2022

March 23, 2022

Mr. John Contreras
Alexandria City Public Schools
1340 Braddock Place
Alexandria, Virginia 22314
john.contreras@acps.k12.va.us

ECS Project No. 47:11652-E2

Reference: AHERA Asbestos-Containing Materials Survey, Alexandria City Public Schools Central Office, 1340 Braddock Place, Alexandria, Virginia

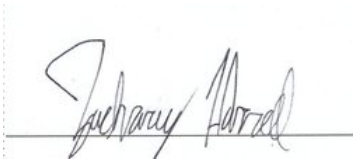
Dear Mr. Contreras:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Alexandria City Public Schools with the results of the above referenced AHERA Asbestos-Containing Materials Survey performed at Alexandria City Public Schools Central Office located at 1340 Braddock Place in Alexandria, Virginia. This report summarizes our observations, analytical results, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 47:16069-EP and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Alexandria City Public Schools with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC



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EXECUTIVE SUMMARY

The subject property ACPS Central Office is a 85,232 square foot, office building reportedly originally constructed in 1985.

The purpose of the survey was to determine if asbestos-containing building materials (ACBMs) present on the subject property. The survey was performed within interior areas of the school building excluding the roofs and exterior materials. This survey is intended to provide a supporting document for an Asbestos Hazard Emergency Response Act (AHERA) management plan.

Based on the laboratory analysis of the bulk samples collected during the survey, none of the sampled materials were reported to contain asbestos.

Based on a review of historical documentation, no building materials were previously identified as asbestos-containing.

Recommendations regarding the removal and disposal of the ACMs identified by ECS can be found in Section 5.0 of this report. The executive summary is an integral portion of this report, however, ECS recommends the report be read in its entirety.

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1.0 SITE DESCRIPTION

The subject property consists of the Alexandria City Public School Central Office building, a seven-story brick office building located at 1340 Braddock Place in Alexandria, Virginia. The building was originally constructed in 1985 and encompasses approximately 85,232 square feet. Building finishes observed included concrete sub-floors, vinyl floor tiles, carpet, and/or ceramic tiles; the wall systems appeared to generally consist of concrete masonry unit (CMU) block walls, drywall wallboard, and/or ceramic wall tiles; and the ceiling systems appeared to generally consist of suspended drop ceilings with ceiling tiles and some plaster finishes.

2.0 PURPOSE

The purpose of this Asbestos Hazard Emergency Response Act (AHERA) re-inspection asbestos-containing materials survey was to determine if asbestos-containing building materials (ACBMs) are present on the subject property. The survey was performed within interior areas of the subject buildings. Exterior and roofing materials were not included in this survey. This survey is intended to provide a supporting document for an AHERA management plan.

The AHERA requires all public and private schools to survey school buildings and associated support school buildings for ACMs, and to prepare management plans for identified ACMs.

3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for the identification of Asbestos-Containing Materials (ACMs).

3.1 Asbestos-Containing Materials

The non-destructive asbestos survey was performed by an asbestos inspector who has received EPA accredited training and is licensed by Virginia. Samples of suspect ACMs were collected utilizing hand tools and placed into individual, labeled plastic bags. Unique bulk suspect ACM samples were submitted to Scientific Analytical Institute, Inc. (SAI) in Greensboro, North Carolina for analysis via Polarized Light Microscopy (PLM) in accordance with current EPA-600 methodology. Materials consisting of additional layers were analyzed separately. Scientific Analytical Institute, Inc. (SAI) is listed as an accredited laboratory by the National Voluntary Laboratory Accreditation Plan (NVLAP) managed by the National Institute of Standards and Technology (NIST) for bulk sample analysis by currently approved EPA methodology by PLM.

During the survey, ECS attempted to identify suspect ACMs in readily accessible areas. However, due to the destructive means required to identify some materials, certain areas were deemed inaccessible (i.e. behind walls or sub grade materials) and were not surveyed for suspect ACMs. ECS could not access many of the secured data rooms, offices, elevators, electric closets, occupied classrooms, select inaccessible closets, the kitchen, and roofs. Unidentified suspect ACMs may be located in these and/or other inaccessible areas. It is important to note that due to the COVID-19 pandemic, extra precautions were taken in order to avoid contact with students and staff, increasing the number of areas deemed inaccessible.

Samples were collected in general accordance with EPA Standard 40 CFR 763 Subpart E, Asbestos Hazard Emergency Response Act (AHERA) and OSHA Standard 29 CFR 1926.1101 Inspection Protocol. Multiple samples of each unique material were submitted. Samples were analyzed using "Positive Stop" methodology. If one sample of a homogeneous material is reported to contain asbestos, the remaining samples of that material are not analyzed. EPA regulations stipulate that if one sample contains asbestos the entire quantity of that material contains asbestos, regardless of additional analysis.

4.0 RESULTS

The following is a summary of laboratory results, findings and observations.

4.1 Asbestos-Containing Materials

An Asbestos-Containing Material (ACM) is defined as any material containing more than one percent (>1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM. Materials are categorized by the U.S. EPA in the following categories:

- Friable ACMs are defined as any ACM that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.
- Non-friable ACMs are defined as any ACM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
    - Category I non-friable ACM are listed as following: packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent (>1%) asbestos.
    - Category II non-friable ACM are listed as any material, excluding Category I non-friable ACM, containing more than one percent (>1%) asbestos.

Regulated Asbestos Containing Materials (RACM) are friable ACM or non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or has crumbled, been pulverized, or reduced to powder in the course of renovation and/or demolition operations.

AHERA requires identified asbestos-containing building materials (ACBMs) to be categorized by a trained AHERA inspector into the following categories:

• (1) Damaged or significantly damaged thermal system insulation ACBM.
• (2) Damaged friable surfacing ACBM.
• (3) Significantly damaged friable surfacing ACBM.
• (4) Damaged or significantly damaged friable miscellaneous ACBM.
• (5) ACBM with potential for damage.
• (6) ACBM with potential for significant damage.
• (7) Any remaining friable ACBM or friable suspected ACBM.

Definitions for the above-referenced categories can be found in the Appendices.

Scientific Analytical Institute, Inc. (SAI) submitted a signed final laboratory report to ECS on November 22, 2021. None of the bulk samples submitted for analysis were reported to contain asbestos in detectable concentrations. A complete list of the sampled materials submitted for analysis and sample locations are located in the Appendix of this report. Additional details regarding the overall locations of the materials identified as asbestos-containing are provided further in the report. Photographs of collected samples reported as asbestos-containing are also located in the Appendix of this report.

In total, 32 bulk samples from homogeneous areas were submitted to the laboratory of which 53 layers were analyzed.

Summary of Non Asbestos-Containing Materials Identified

Location	Material Description	Analytical Results
Materials Sampled in 2021 AHERA Survey		
112-1, 111-1 Vestibule	3" White Cove Base with associated White Mastic	NAD
Main Reception 110 & 111-1 Vestibule	Drywall and Joint Compound	NAD
Delivery/ Receiving, Staging Hallway	18" x 18" Gray cloudy Floor Tile with associated Gray Mastic	NAD
Delivery/ Receiving, Staging Hallway	Diamond Plate steel Mastic/ Epoxy	NAD
200-7 Student Café	Gray Sink Undercoat	NAD
200-7 Student Café	2" x 2" Rough finish Ceiling Tile	NAD
200-7 Student Café	24" x 24" Beige Floor Tile and associated Yellow Mastic	NAD
4th Floor Stairwell	Standpipe packing	NAD
420-10	3" Blue Cove Base with associated White Mastic	NAD
5th Floor reception	3" Yellow Cove Base with Associated White Mastic	NAD
6th Floor reception	3" Red Cove Base with associated White Mastic	NAD
310-2	3" Green Cove Base	NAD

Location	Material Description	Analytical Results
210-2	3" Orange Cove Base with associated Tan Mastic	NAD
Previously Sampled Materials		
Stairwell (1st-7th floor, one sample on each)	Ceiling/Wall "Popcorn" Texture	NAD
7th FL710-12	3" White Cove Base and associated Beige Mastic	NAD
7th FL710-12	18" Beige Sheet Floor	NAD
7th FL Closet	12" x 12" Pink Floor Tile and associated Black Mastic	NAD
7th FL Closet	4" Beige Cove Base and associated Yellow Mastic	NAD
7th FL Closet, 6th FL Closet, 4th FL Hall near 420-33, 1st FL Receiving, 3rd FL Hall near Bathrooms & 2nd FL Hall near Bathrooms	Drywall Wallboard	NAD
7th FL Hallway, 4th FL Hall near Bathrooms, 3rd FL Hall near Bathrooms, 2nd FL Hall near Bathrooms, & 1st FL Receiving	Drywall Joint Compound	NAD
Stairwell	White Stair Stringer Caulk	NAD
7th FL Hall at 710-11, 5th FL Lobby Area, 2nd FL near 220-1, & 1st FL - Boardroom	Yellow/Gray/White Mixed Mastics of Carpet	NAD
6th FL Closet	Red Conduit Caulk	NAD
6th FL Closet	Gray Floor Compound	NAD
5th FL Hall near 530-1, 4th FL Hall near Bathrooms, & 2nd FL near Lobby	White Mastic on HVAC Wrap on (Fiberglass)	NAD
5th FL Kitchen (500-6) & 420-30	2' x 4' Flat Ceiling Tile	NAD
5th FL 520-5	Gray Sheet Flooring with White/Black Specks	NAD
4th FL Hall near Bathrooms	White Mastic on Wall Paper (Residual)	NAD
2nd FL200-6	White Pipe Wrap on Thermal System Insulation (TSI) on Fiberglass Insulation	NAD

Location	Material Description	Analytical Results
2nd FL200-6 Ceiling	Residual Drywall Joint Compound	NAD
1st FL Mechanical Hall	2' x 2' Pinhole Punch Ceiling Tile	NAD
1st FL Receiving	12" x 12" Beige Floor Tile and associated Yellow Mastic	NAD
1st FL Receiving	6" Black Cove Base and associated Grey Mastic	NAD
1st FL Mechanical Room	Gray Duct Mastic on Metal HVAC Duct	NAD
Notes: **NAD = No Asbestos Detected** **Locations reflect the area in which the material was sampled. These materials may be representative of and located in other homogenous areas throughout the school.**		

4.2 Suspect or Assumed Asbestos-Containing Materials

Due to the inaccessibility or the destructive means that asbestos sampling requires, additional suspect ACMs may remain within the building hidden behind inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, sub-grade sealants, flooring located below underlayments, areas behind exterior walls, pipe trenches, and subsurface utilities, etc. These areas were deemed inaccessible and were not assessed.

If these materials are discovered during construction activities, they should be presumed to contain asbestos and be treated as ACMs or be sampled immediately upon discovery and prior to disturbance for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

Based upon our past experience in the identification of ACMs in similarly constructed buildings, the following additional suspect ACMs may also be located in inaccessible areas of the structure:

- **Terrazzo floors**
- **Certain floor tiles** that were unable to be sampled due to the the destructive means of this survey
- **Boilers Components** in boilers (gasket, fire brick, etc.)
- **Vermiculite Filler** associated with Concrete Masonry Unit (Blocks/Walls)
- **Duct Pin Mastic** associated with the HVAC Units
- **Electrical Panels Asbestos Cement Components** in electrical systems
- **Fire Door and associated Casing Insulation** in locations requiring a rated fire door and door casing

- **Mastics or Cement Boards** associated with Baseboard Heaters/Radiator Components/Wall Mounted Fan Coil Units in and/or behind Radiators/Baseboards
- **Mastics** behind/under mirrors and carpets
- **Water Fountain Components** in water fountains (mastics, pipe cloth, etc)
- **Waterproofing Membrane/Mastics/Vapor Barriers/Sub-grade Pipe Conduit** within exterior wall cavities, behind interior finishes, exterior veneer and/or subgrade walls

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the AHERA Asbestos-Containing Materials Survey, the results of laboratory analysis, and our findings and observations, ECS presents the following recommendations.

5.1 Asbestos-Containing Materials

ECS recommends where a material type has been identified as asbestos-containing that other materials with similar color, texture, age and size throughout the building's interior and exterior be assumed to contain asbestos. Please refer to Section 4.1 for a complete list of building materials that were reported positive for asbestos and to Section 4.2 for materials that were assumed to contain asbestos.

If the identified ACMs are scheduled to be disturbed in the future, it is recommended that this work be performed by a Commonwealth of Virginia licensed asbestos abatement contractor. The Commonwealth of Virginia requires 20 calendar-days notice prior to an asbestos project involving greater than or equal to 10 linear feet or 10 squared feet. The EPA requires 10 working days notice prior to removal of regulated ACM (RACM) in quantities greater than or equal to 160 square feet, 260 linear feet, or 35 cubic feet. Note that EPA Region III no longer requires notification of asbestos projects but rather request all notification go to the appropriate state agencies. Notification requirements in general will be dependent on the means/methods used by the contractor to abate the material found in the building.

If ACMs are to be removed, it is recommended that an industrial hygienist monitor the project. This involves collecting air samples from within and outside abatement work areas to monitor the asbestos abatement contractor's work practices over the course of the project. The industrial hygienist should evaluate if the asbestos abatement work is in accordance with project specifications, U.S. EPA regulation 40 CFR Part 61-National Emission Standards for Hazardous Air Pollutants Subpart M: National Emission Standard for Asbestos, and U.S. Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 – Asbestos in Construction. The industrial hygienist should assess each work area to monitor the removal of ACMs. Only after the industrial hygienist has determined the identified ACMs have been removed should final clearance air samples be collected (if necessary).

Suspect ACMs not observed due to inaccessibility or not sampled due to the destructive means that sampling would require may also be encountered during construction activities. At the time of the survey, only limited destructive means were used to locate or sample suspect ACMs; therefore, additional suspect ACMs may remain within inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, exterior areas, sub-grade sealants, flooring

located below underlayments, vapor barriers, pipe trenches and other subsurface utilities, etc. If additional suspect ACMs are uncovered which were not accessible during this survey, it is recommended that these materials either be assumed to contain asbestos or be sampled prior to disturbance upon discovery for asbestos content by an asbestos inspector in accordance with 29 CFR 1926.1101.

The results of this survey should be added to the school's management plan.

6.0 LIMITATIONS

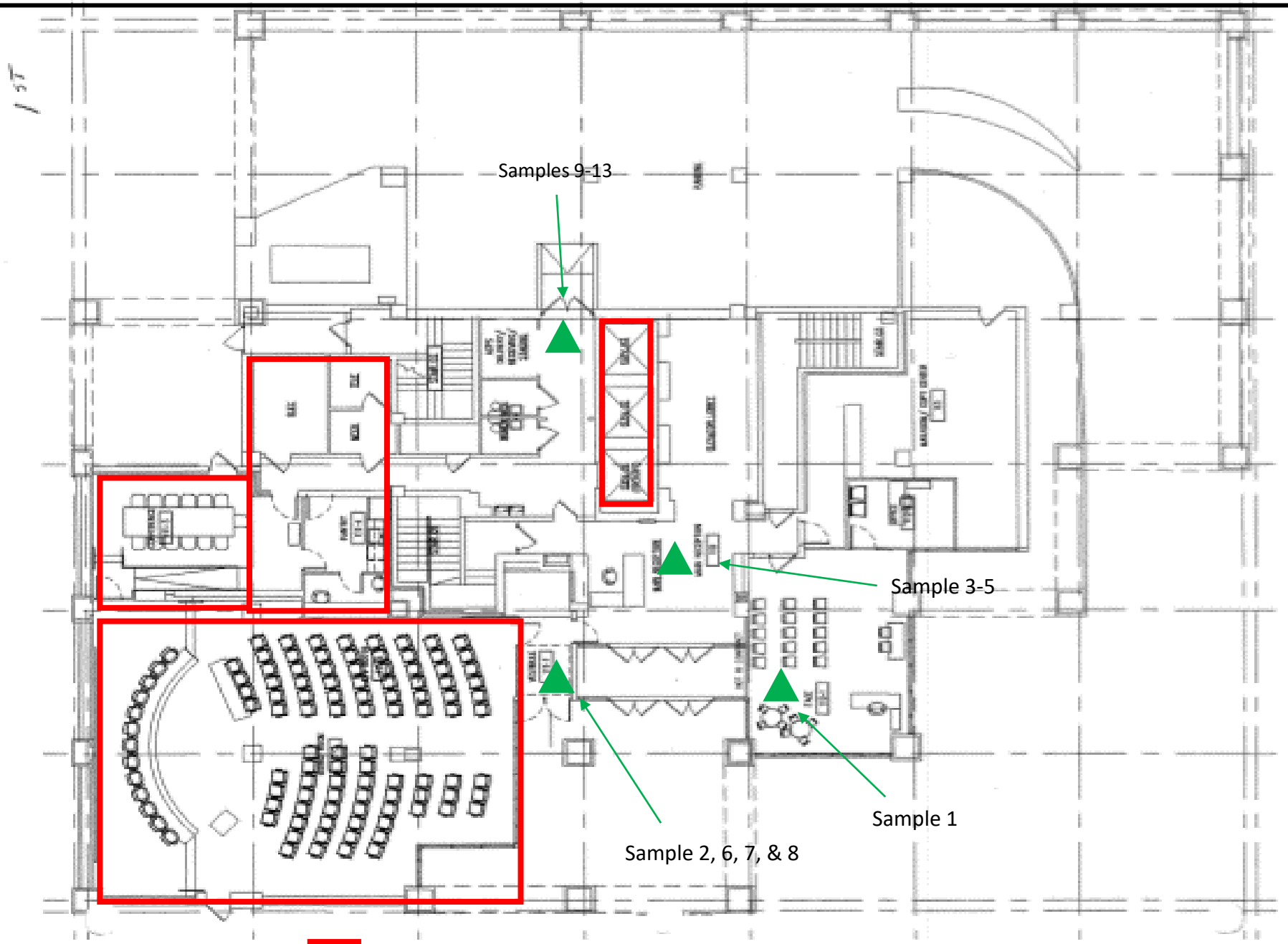
The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

During this study, samples were submitted for analysis at an accredited laboratory via polarized light microscopy. As with any similar survey of this nature, actual conditions exist only at the precise locations from which samples were collected. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No warranty, expressed or implied, is made.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

Appendix I: Figures



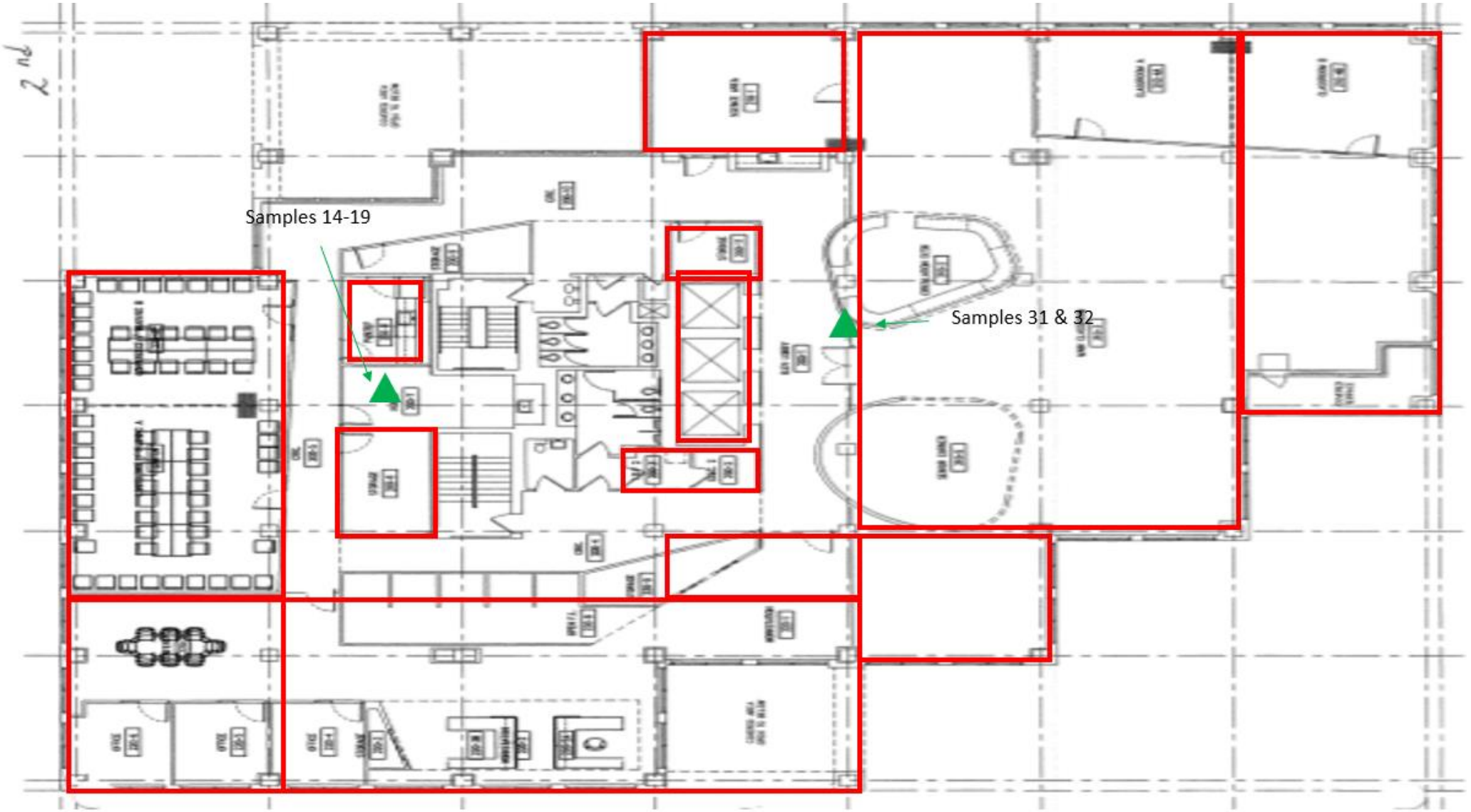
Alexandria City Public Schools
1340 Braddock Place,
Alexandria. Virginia, 22313

Sample Location Sketch
First Floor

Scale: NTS

Project No.
11652-E2

Site Visit:
11/10/21



▲ Sample Locations ▭ Inaccessible Areas

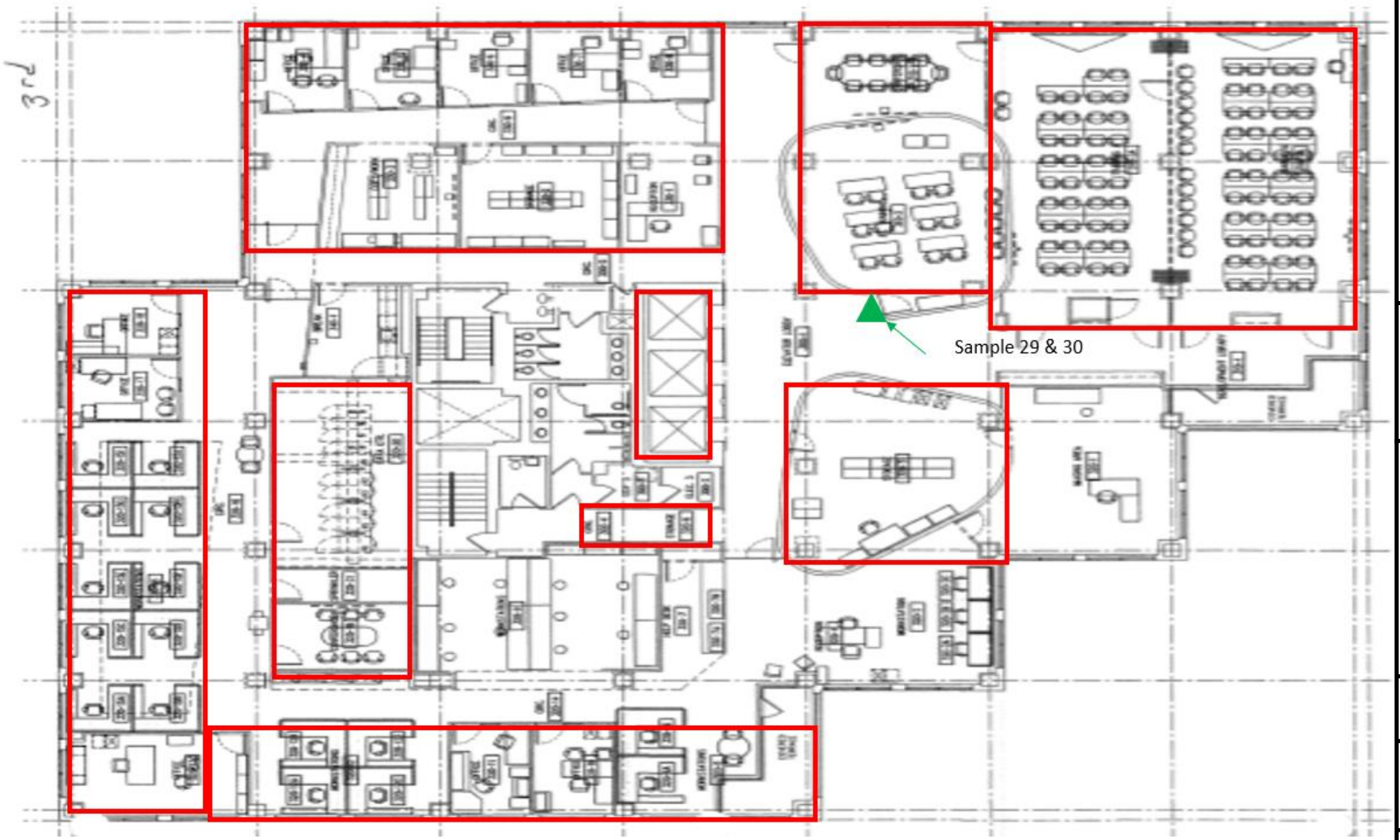
Alexandria City Public Schools
1340 Braddock Place,
Alexandria. Virginia, 22313

Sample Location Sketch
Second Floor

Scale: NTS

Project No.
11652-E2

Site Visit:
11/10/21



▲ Sample Locations ▭ Inaccessible Areas

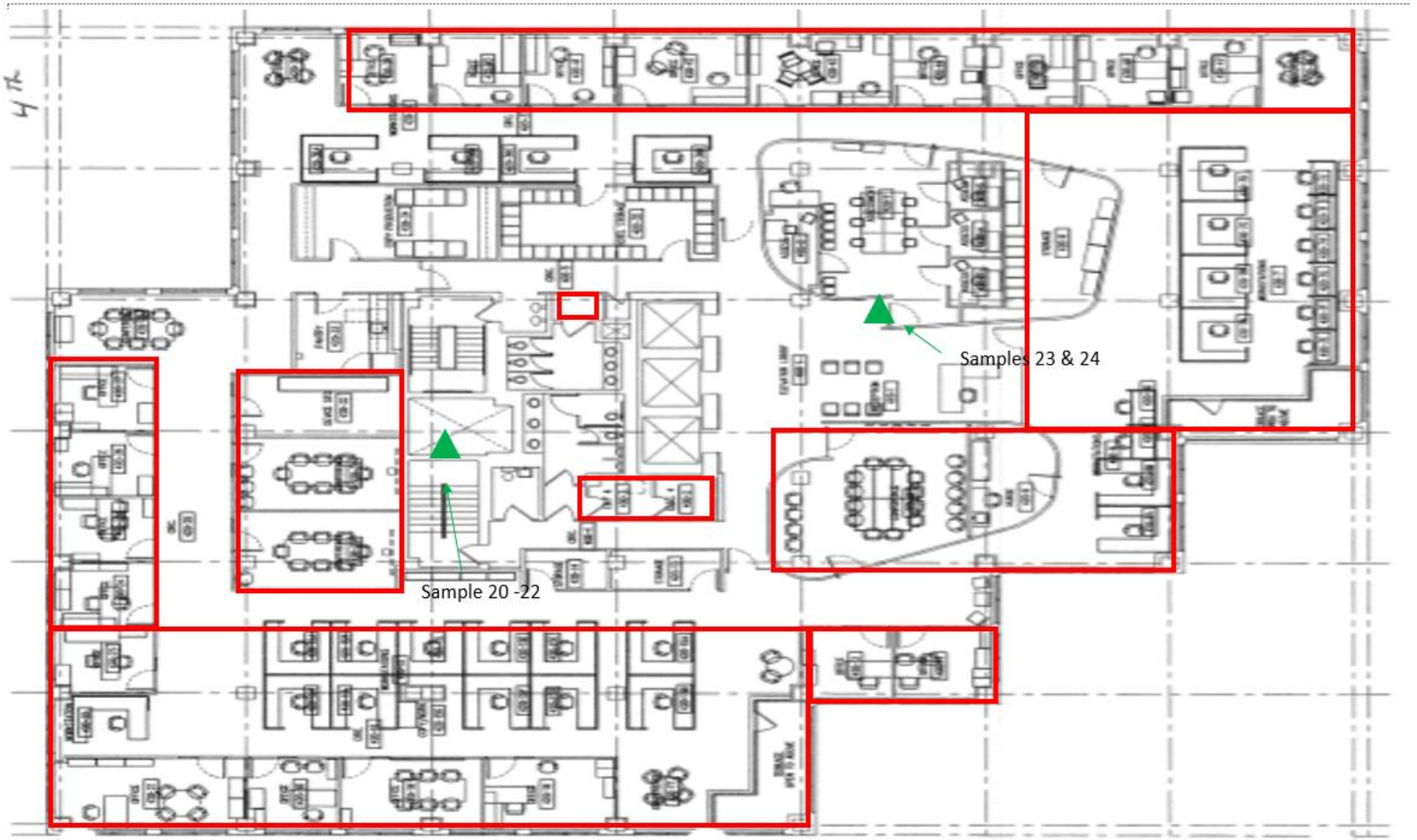
Alexandria City Public Schools
1340 Braddock Place,
Alexandria. Virginia, 22313

Sample Location Sketch Third Floor

Scale: NTS

Project No.
11652-E2

Site Visit:
11/10/21



▲ Sample Locations □ Inaccessible Areas

Alexandria City Public Schools
1340 Braddock Place,
Alexandria. Virginia, 22313

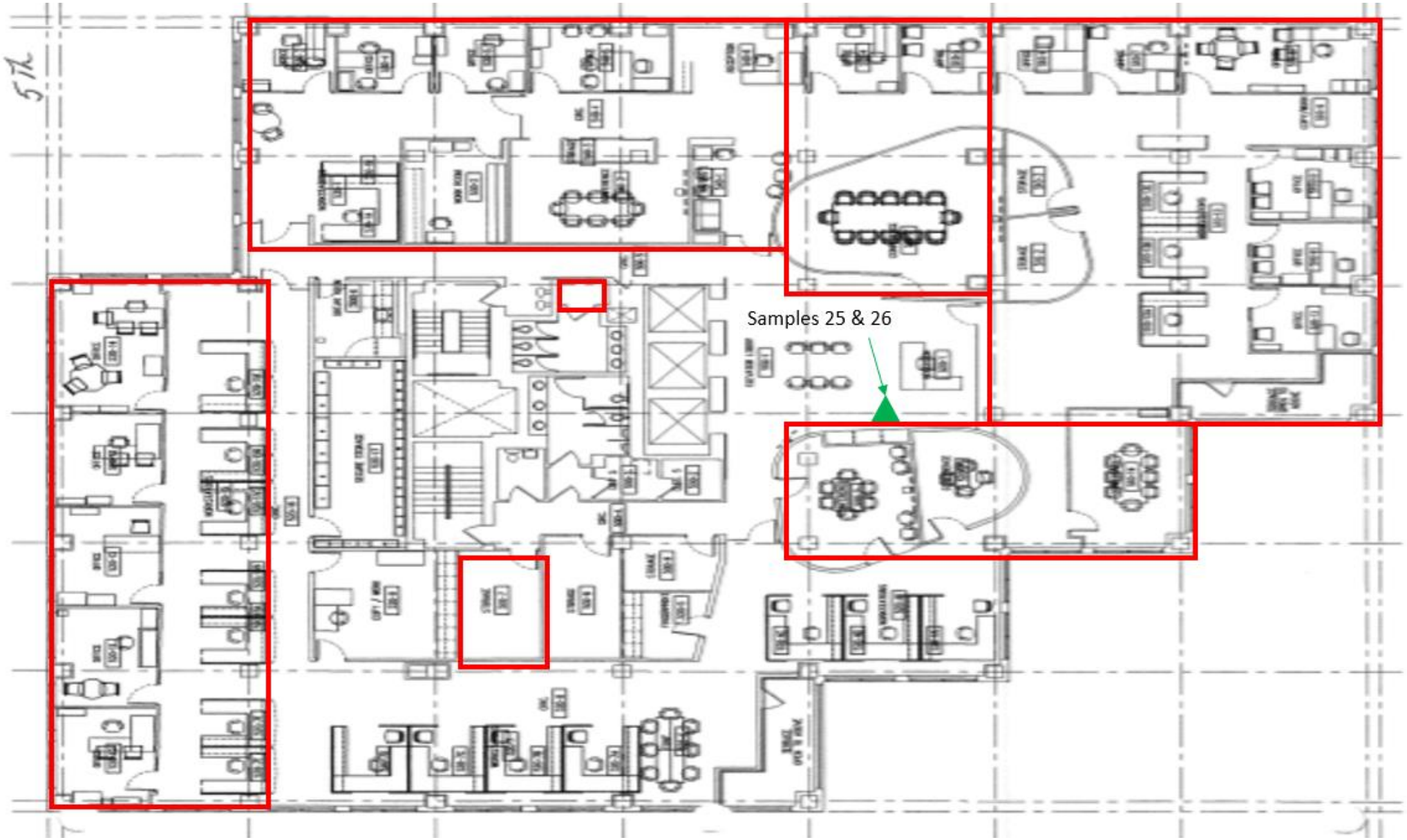
ECSI

Sample Location Sketch
Fourth Floor

Scale: NTS

Project No.
11652-E2

Site Visit:
11/10/21



Sample Locations

Inaccessible Areas

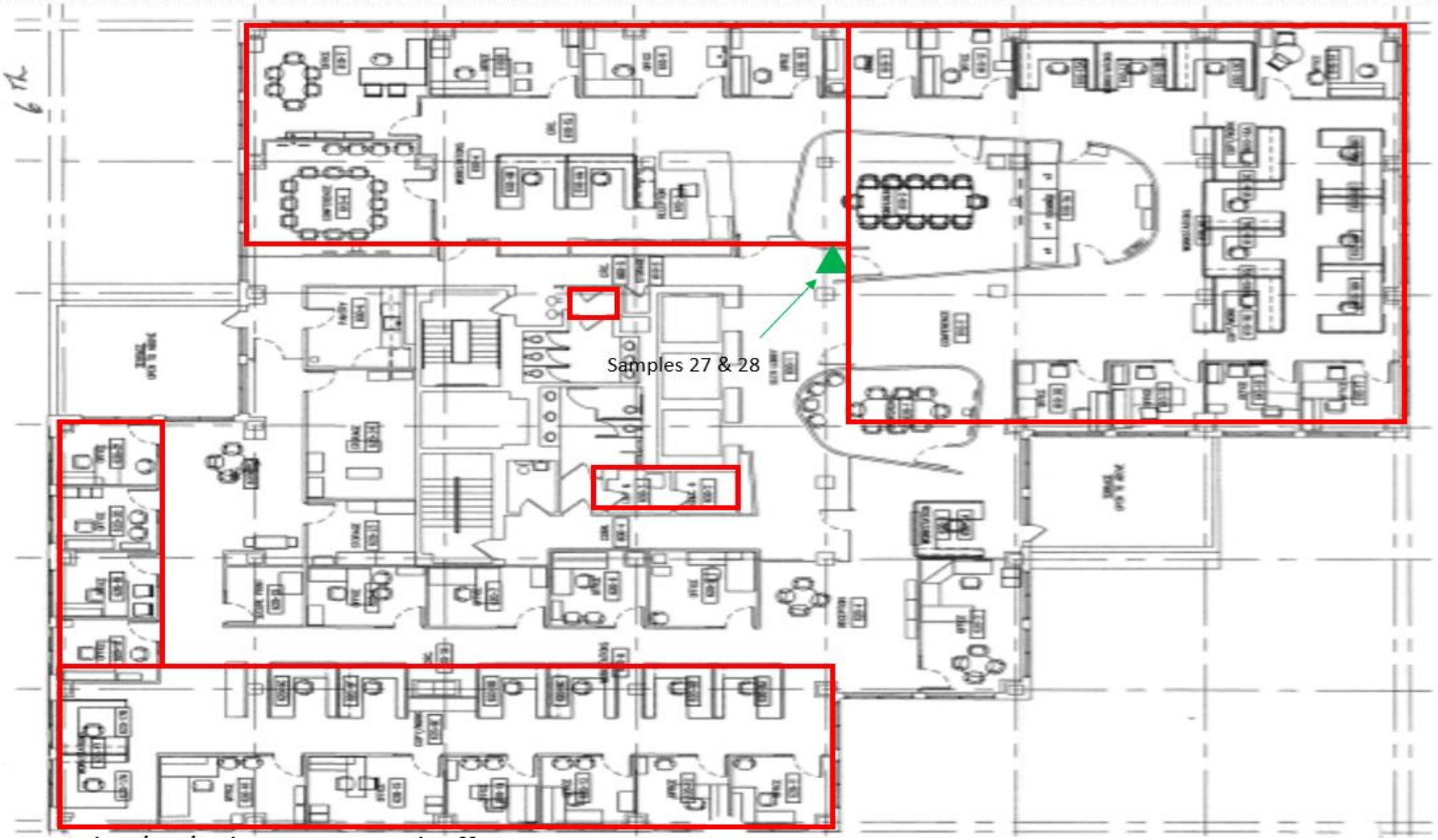
Alexandria City Public Schools
1340 Braddock Place,
Alexandria. Virginia, 22313

Sample Location Sketch Fifth Floor

Scale: NTS

Project No.
11652-E2

Site Visit:
11/10/21



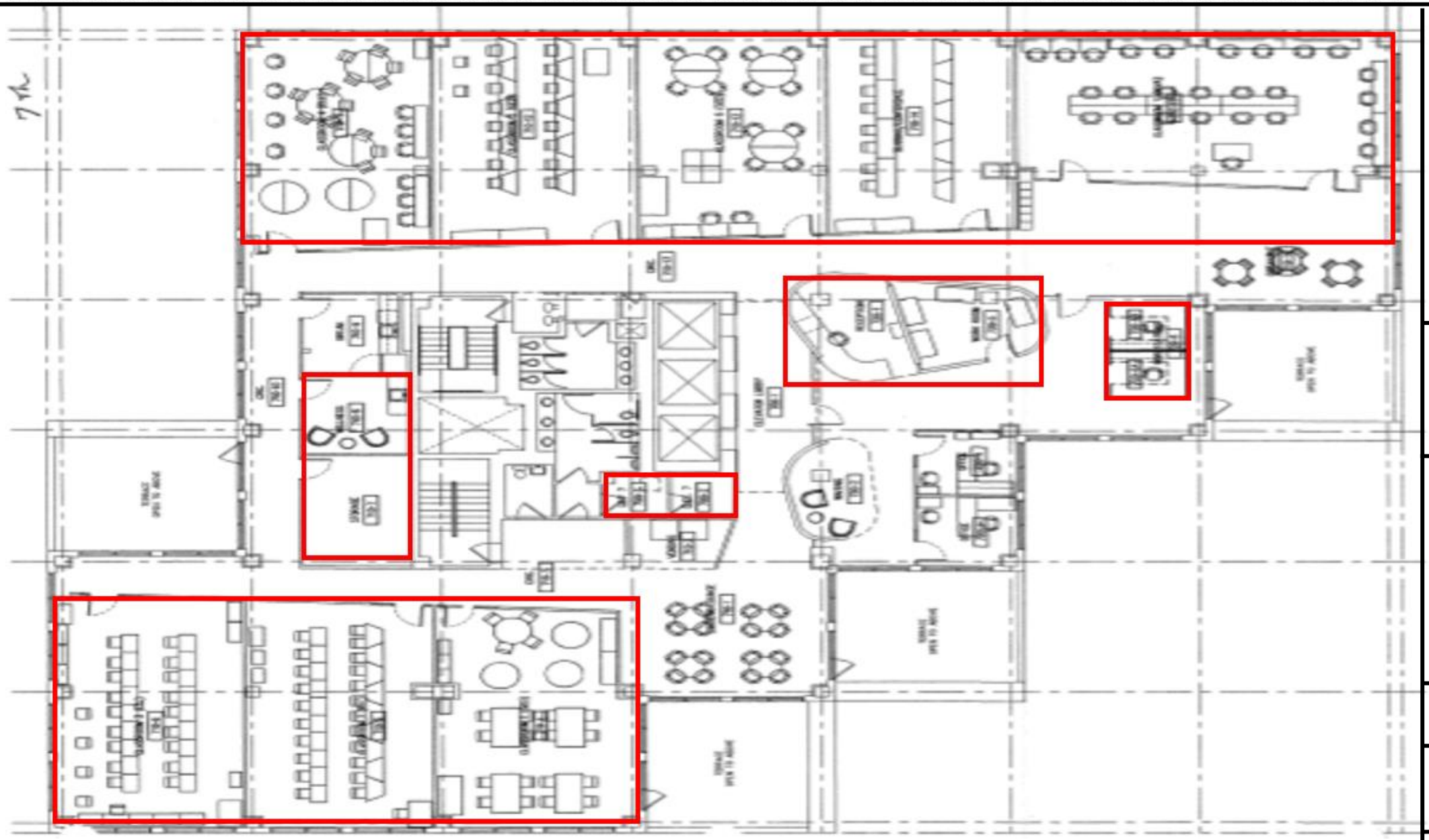
Alexandria City Public Schools
1340 Braddock Place,
Alexandria. Virginia, 22313

Sample Location Sketch
Sixth Floor

Scale: NTS

Project No.
11652-E2

Site Visit:
11/10/21



Alexandria City Public Schools
1340 Braddock Place,
Alexandria. Virginia, 22313

Sample Location Sketch
Sixth Floor

Scale: NTS

Project No.
11652-E2

Site Visit:
11/10/21

Appendix II: Site Photographs



1 - View of Front Entrance



2 - View of 1st Floor Elevator Lobby

Appendix III: Asbestos Bulk Sample Results

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Lauren Kesslak

Project: 11652-E2/ AHERA ACPS Central Office Survey

Lab Order ID: 71979346
Analysis ID: 71979346_PLM
Date Received: 11/12/2021
Date Reported: 11/22/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
1 - A *71979346PLM_1*	3" white cove base with associated white mastic *cove base*	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
1 - B *71979346PLM_33*	3" white cove base with associated white mastic *mastic*	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
2 - A *71979346PLM_2*	3" white cove base with associated white mastic *cove base*	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
2 - B *71979346PLM_34*	3" white cove base with associated white mastic *mastic*	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
3 *71979346PLM_3*	Drywall and Joint compound *drywall: none detect; joint compnd: none detect*	None Detected	15% Cellulose	85% Other	White Fibrous Homogeneous Crushed
4 *71979346PLM_4*	Drywall and Joint compound *drywall with paint only*	None Detected	15% Cellulose	85% Other	White Fibrous Homogeneous Crushed
5 *71979346PLM_5*	Drywall and Joint compound *drywall: none detect; joint compnd: none detect*	None Detected	15% Cellulose	85% Other	White Fibrous Homogeneous Crushed
6 *71979346PLM_6*	Drywall and Joint compound *drywall: none detect; joint compnd: none detect*	None Detected	15% Cellulose	85% Other	White Fibrous Homogeneous Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (47)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Lauren Kesslak

Project: 11652-E2/ AHERA ACPS Central Office Survey

Lab Order ID: 71979346
Analysis ID: 71979346_PLM
Date Received: 11/12/2021
Date Reported: 11/22/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
7 *71979346PLM_7*	Drywall and Joint compound *joint compound only*	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
8 *71979346PLM_8*	Drywall and Joint compound *joint compound only*	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
9 - A *71979346PLM_9*	18" x 18" Gray cloudy floor tile with associated gray mastic *tile*	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Dissolved
9 - B *71979346PLM_35*	18" x 18" Gray cloudy floor tile with associated gray mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved
10 - A *71979346PLM_10*	18" x 18" Gray cloudy floor tile with associated gray mastic *tile*	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Dissolved
10 - B *71979346PLM_36*	18" x 18" Gray cloudy floor tile with associated gray mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved
11 - A *71979346PLM_11*	18" x 18" Gray cloudy floor tile with associated gray mastic *tile*	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Dissolved
11 - B *71979346PLM_37*	18" x 18" Gray cloudy floor tile with associated gray mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved

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Charmel Dozier (47)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Lauren Kesslak

Project: 11652-E2/ AHERA ACPS Central Office Survey

Lab Order ID: 71979346
Analysis ID: 71979346_PLM
Date Received: 11/12/2021
Date Reported: 11/22/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
12 *71979346PLM_12*	Diamond Plate steel mastic/epoxy	**None Detected**		**100% Other**	Transparent Non Fibrous Homogeneous Dissolved
13 *71979346PLM_13*	Diamond Plate steel mastic/epoxy	**None Detected**		**100% Other**	Transparent Non Fibrous Homogeneous Dissolved
14 *71979346PLM_14*	Gray Sink Undercoat	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Dissolved
15 *71979346PLM_15*	Gray Sink Undercoat	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Dissolved
16 *71979346PLM_16*	2" x 2" Rough finish ceiling tile	**None Detected**	**40% Cellulose** **30% Mineral Wool**	**30% Other**	White Fibrous Homogeneous Teased
17 *71979346PLM_17*	2" x 2" Rough finish ceiling tile	**None Detected**	**40% Cellulose** **30% Mineral Wool**	**30% Other**	White Fibrous Homogeneous Teased
18 - A *71979346PLM_18*	24" x 24" beige floor tile and associated yellow mastic *tile*	**None Detected**		**100% Other**	Beige Non Fibrous Homogeneous Dissolved
18 - B *71979346PLM_38*	24" x 24" beige floor tile and associated yellow mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (47)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Lauren Kesslak

Project: 11652-E2/ AHERA ACPS Central Office Survey

Lab Order ID: 71979346
Analysis ID: 71979346_PLM
Date Received: 11/12/2021
Date Reported: 11/22/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
19 - A	24" x 24" beige floor tile and associated yellow mastic	None Detected		100% Other	Beige Non Fibrous Homogeneous
71979346PLM_19	*tile*				Dissolved
19 - B	24" x 24" beige floor tile and associated yellow mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
71979346PLM_39	*mastic*				Dissolved
20	Standpipe packing	None Detected	98% Mineral Wool	2% Other	Yellow Fibrous Homogeneous
71979346PLM_20					Teased
21	Standpipe packing	None Detected	98% Mineral Wool	2% Other	Yellow Fibrous Homogeneous
71979346PLM_21					Teased
22	Standpipe packing	None Detected	98% Mineral Wool	2% Other	Yellow Fibrous Homogeneous
71979346PLM_22					Teased
23 - A	3" blue cove base with associated white mastic	None Detected		100% Other	Blue Non Fibrous Homogeneous
71979346PLM_23	*cove base*				Dissolved
23 - B	3" blue cove base with associated white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
71979346PLM_40	*mastic*				Dissolved
24 - A	3" blue cove base with associated white mastic	None Detected		100% Other	Blue Non Fibrous Homogeneous
71979346PLM_24	*cove base*				Dissolved

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Charmel Dozier (47)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Lauren Kesslak

Project: 11652-E2/ AHERA ACPS Central Office Survey

Lab Order ID: 71979346
Analysis ID: 71979346_PLM
Date Received: 11/12/2021
Date Reported: 11/22/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
24 - B	3" blue cove base with associated white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
71979346PLM_41	*mastic*				Dissolved
25 - A	3" yellow cove base with associated white mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
71979346PLM_25	*cove base*				Dissolved
25 - B	3" yellow cove base with associated white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
71979346PLM_42	*mastic*				Dissolved
26 - A	3" yellow cove base with associated white mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
71979346PLM_26	*cove base*				Dissolved
26 - B	3" yellow cove base with associated white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
71979346PLM_43	*mastic*				Dissolved
27 - A	3" red cove base with associated white mastic	None Detected		100% Other	Red Non Fibrous Homogeneous
71979346PLM_27	*cove base*				Dissolved
27 - B	3" red cove base with associated white mastic	None Detected		100% Other	White Non Fibrous Homogeneous
71979346PLM_44	*mastic*				Dissolved
28 - A	3" red cove base with associated white mastic	None Detected		100% Other	Red Non Fibrous Homogeneous
71979346PLM_28	*cove base*				Dissolved

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Charmel Dozier (47)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING
NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG
Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Lauren Kesslak

Project: 11652-E2/ AHERA ACPS Central Office Survey

Lab Order ID: 71979346
Analysis ID: 71979346_PLM
Date Received: 11/12/2021
Date Reported: 11/22/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
28 - B *71979346PLM_45*	3" red cove base with associated white mastic *mastic*	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Dissolved
29 *71979346PLM_29*	3" green cove base	**None Detected**		**100% Other**	Green Non Fibrous Homogeneous Dissolved
30 *71979346PLM_30*	3" green cove base	**None Detected**		**100% Other**	Green Non Fibrous Homogeneous Dissolved
31 - A *71979346PLM_31*	3" orange cove base with associated tan mastic *cove base*	**None Detected**		**100% Other**	Orange Non Fibrous Homogeneous Dissolved
31 - B *71979346PLM_46*	3" orange cove base with associated tan mastic *mastic*	**None Detected**		**100% Other**	Tan Non Fibrous Homogeneous Dissolved
32 - A *71979346PLM_32*	3" orange cove base with associated tan mastic *cove base*	**None Detected**		**100% Other**	Orange Non Fibrous Homogeneous Dissolved
32 - B *71979346PLM_47*	3" orange cove base with associated tan mastic *mastic*	**None Detected**		**100% Other**	Tan Non Fibrous Homogeneous Dissolved

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Charmel Dozier (47)

Analyst

Approved Signatory

7197346

Client:	ECS Mid-Atlantic, LLC	***Instructions:***
Contact:	Lauren Kesslak	*Use Column "B" for your contact info*
Address:	14026 Thunderbolt Place, Suite	
Phone:	(703)-471-8400	*To See an Example Click the bottom Example Tab.*
Fax:		
Email:	LKesslak@ecslimited.com	***Enter samples between "<<" and ">>" Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.***
Project:	11652-E2/ AHERA ACPS Central C	
Client Notes:		*Only Enter your data on the first sheet "Sheet1"*
P.O. #.	11652-E2/ AHERA ACPS Central C	*Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.*
Date Submitted:	11/10/2021 0:00	
Analysis:	PLM EPA 600/R-93/116	
TurnAroundTime:	3-Day	

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
1		3" white cove base with associated white mastic	112-1
2		3" white cove base with associated white mastic	111-1 Vestibule
3		Drywall and Joint compound	Main Reception 110
4		Drywall and Joint compound	Main Reception 110
5		Drywall and Joint compound	Main Reception 110
6		Drywall and Joint compound	111-1 Vestibule
7		Drywall and Joint compound	111-1 Vestibule
8		Drywall and Joint compound	111-1 Vestibule
9		18" x 18" Gray cloudy floor tile with associated gray mastic	Delivery/ Receiving, Staging Hallway
10		18" x 18" Gray cloudy floor tile with associated gray mastic	Delivery/ Receiving, Staging Hallway
11		18" x 18" Gray cloudy floor tile with associated gray mastic	Delivery/ Receiving, Staging Hallway
12		Diamond Plate steel mastic/epoxy	Delivery/ Receiving, Staging Hallway
13		Diamond Plate steel mastic/epoxy	Delivery/ Receiving, Staging Hallway
14		Gray Sink Undercoat	200-7 Student Café
15		Gray Sink Undercoat	200-7 Student Café
16		2" x 2" Rough finish ceiling tile	200-7 Student Café
17		2" x 2" Rough finish ceiling tile	200-7 Student Café
18		24" x 24" beige floor tile and associated yellow mastic	200-7 Student Café
19		24" x 24" beige floor tile and associated yellow mastic	200-7 Student Café
20		Standpipe packing	4th Floor Stairwell
21		Standpipe packing	4th Floor Stairwell
22		Standpipe packing	4th Floor Stairwell
23		3" blue cove base with associated white mastic	420-10
24		3" blue cove base with associated white mastic	420-10
25		3" yellow cove base with associated white mastic	5th Floor reception
26		3" yellow cove base with associated white mastic	5th Floor reception
27		3" red cove base with associated white mastic	6th Floor reception
28		3" red cove base with associated white mastic	6th Floor reception
29		3" green cove base	310-2
30		3" green cove base	310-2
31		3" orange cove base with associated tan mastic	210-2
32		3" orange cove base with associated tan mastic	210-2
<<			

B Shelley 11/12 1:30 pm

Accepted ☒

Rejected ☐

Relinquished By

Received By

Appendix IV: Certifications/ Licenses

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
12-31-2022

NUMBER
3309002099

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS PROJECT MONITOR LICENSE

ZACHARY DAVID HARRELL
1927 N CAMERON ST
ARLINGTON, VA 22207

Mary Broz-Vaughan, Director

Status can be verified at http://www.dpor.virginia.gov

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS PROJECT MONITOR LICENSE
NUMBER: 3309002099 EXPIRES: 12-31-2022

ZACHARY DAVID HARRELL
1927 N CAMERON ST
ARLINGTON, VA 22207

(FOLD)

Status can be verified at http://www.dpor.virginia.gov

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
12-31-2022

NUMBER
3303004832

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE

ZACHARY DAVID HARRELL
1927 N CAMERON ST
ARLINGTON, VA 22207

DPOR

Mary Broz-Vaughan, Director

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Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004832 EXPIRES: 12-31-2022

ZACHARY DAVID HARRELL
1927 N CAMERON ST
ARLINGTON, VA 22207

(FOLD)

Status can be verified at http://www.dpor.virginia.gov

DPOR-PC (02/2017)

Appendix V: AHERA ACBM and Suspect ACBM Categories Document

AHERA ACBM and Suspect ACBM Categories

(1) Damaged or significantly damaged thermal system insulation ACM:

- (1) Means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal system insulation equipment where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water stained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional punctures, gouges or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

(2) Damaged friable surfacing ACM:

- (2) Means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

(3) Significantly damaged friable surfacing ACM:

- (3) Means damaged friable surfacing ACM in a functional space where the damage is extensive and severe.

(4) Damaged or significantly damaged friable miscellaneous ACM:

- (4) Means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

(5) ACBM with potential for damage:

- (5) Means circumstances in which:

    - (1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

- (2) There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

(6) ACBM with potential for significant damage:

- (6) Means circumstances in which:

  - (1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

  - (2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

  - (3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

(7) Any remaining friable ACBM or friable suspected ACBM:

- (1) Means any remaining friable ACBM or friable Suspected ACBM in a building.

Appendix VI: Previous Reports

ASBESTOS CONTAINING MATERIALS (AHERA) SURVEY

ACPS - CENTRAL OFFICE BUILDING

1340 BRADDOCK PLACE
ALEXANDRIA, VIRGINIA 22314

ECS PROJECT NO. 47:1519-D

FOR

ALEXANDRIA CITY PUBLIC SCHOOLS

JANUARY 20, 2017

January 20, 2017

Mr. Derrick Fulcher
Alexandria City Public Schools
1340 Braddock Place
Alexandria, Virginia 22314
derrick.fulcher@acps.k12.va.us

ECS Project No. 47:1519-D

Reference: Asbestos Containing Materials (AHERA) Survey, ACPS - Central Office Building, 1340 Braddock Place, Alexandria, Virginia

Dear Mr. Fulcher:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Alexandria City Public Schools (ACPS) with the results of the above referenced Asbestos Containing Materials (AHERA) Survey performed at ACPS - Central Office Building located at 1340 Braddock Place in Alexandria, Virginia. This report summarizes our observations, analytical results, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 47:1750-EPR2, ACPS PO No. 17003633, and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Alexandria City Public Schools with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC

Beverly Sedon
Senior Project Manager
bsedon@ecslimited.com

Christopher J. Chapman, CIH
Director of Industrial Hygiene
cchapman@ecslimited.com

EXECUTIVE SUMMARY

The subject property is improved with a seven-story administrative building that is also utilized for classroom and/or instructional purposes within some areas. The building was reportedly constructed in the 1980s and was recently renovated prior to occupancy by ACPS.

Per the United States Environmental Protection Agency (US EPA) requirements, the purpose of the survey was to evaluate the building materials within the areas occupied by ACPS for asbestos-containing materials (ACMs). The non-invasive survey was performed in general per EPA Standard 40 CFR 763 Subpart E, Asbestos Hazard Emergency Response Act (AHERA) and OSHA Standard 29 CFR 1926.1101 Inspection Protocol.

The survey was performed for readily accessible interior areas of the facility. Exterior and roofing materials were not included in this assessment as these areas are excluded under AHERA. During the survey, ECS attempted to locate suspect ACMs in readily accessible areas. However, due to the destructive means required to access some materials, certain areas were deemed inaccessible (i.e. behind solid walls or sub-grade materials) and were not surveyed for suspect ACMs. Unidentified suspect ACMs may be located in these and/or other inaccessible areas.

During our assessment, a total of 63 bulk samples were collected and a total of 79 layers were analyzed by the laboratory. Based on the laboratory analysis of the suspect bulk samples collected during the survey, none of the materials sampled were reported to contain asbestos. Please refer to Table 1 for a list of the suspect asbestos bulk samples collected during our survey. Recommendations for are provided further in the report.

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1.0 SITE DESCRIPTION

The subject property is improved with a seven-story administrative building that is also utilized for instructional purposes within some areas. The building was reportedly constructed in the 1980s and was recently renovated prior to occupancy by ACPS. The building is occupied by various offices, meeting rooms, classrooms, break rooms, lobby at each floor level, bathrooms, two stairwells, elevator, and various storage rooms.

The interior of the building appears to have recently been renovated and currently consists of drywall wallboards, drop ceiling tiles, carpeting, wood flooring, and areas of open infrastructure ceilings. Older materials and flooring materials were noted within the closet areas. Mechanical rooms that service the building are not reportedly owned or operated by ACPS, therefore, were not included in the assessment unless observed to be located within generally accessible areas. At this time, ACPS does not own the structure.

2.0 PURPOSE

The Asbestos Hazard Emergency Response Act (AHERA) requires public school districts to inspect their schools for asbestos-containing building materials and prepare management plans for identified asbestos containing materials and to take action to prevent or reduce asbestos hazards. This is based on an "in-place" management of asbestos-containing materials. Personnel working on asbestos activities in schools must be trained and accredited in accordance with US EPA Asbestos Model Accreditation Plan requirements. Prior to renovation or demolition of asbestos containing materials facility owners must also comply with the US EPA Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulations.

The purpose of the Asbestos Containing Materials (AHERA) Survey was to identify asbestos-containing materials (ACMs) which may require special handling and/or disposal if removed disturbed during normal routine maintenance activities performed on the building.

3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for the identification of ACMs per AHERA. The following represents our onsite work performed on January 10, 2017.

3.1 Asbestos-Containing Materials

The non-invasive asbestos survey was performed by asbestos inspectors (License Nos. 3303003186 and 3303003536) who have received EPA accredited training and are licensed by the Commonwealth of Virginia. Samples were collected in general accordance with US EPA AHERA (40 CFR 763 Subpart E) and OSHA Standard 29 CFR 1926.1101 Inspection Protocol. Multiple samples of each unique material were submitted. Samples were analyzed using “Positive Stop” methodology. If one sample of a homogeneous material is reported to contain asbestos, the remaining samples of that material

are not analyzed. EPA regulations stipulate that if one sample contains asbestos the entire quantity of that material contains asbestos, regardless of additional analysis.

Samples of suspect ACMs were collected utilizing hand tools and placed into individual, labeled plastic bags. Unique bulk suspect ACM samples were submitted to Scientific Analytical Institute, Inc. in Greensboro, North Carolina for analysis via Polarized Light Microscopy (PLM) in accordance with current EPA-600 methodology. Materials consisting of additional layers were analyzed separately. Scientific Analytical Institute, Inc. is listed as an accredited laboratory by the National Voluntary Laboratory Accreditation Plan (NVLAP) managed by the National Institute of Standards and Technology (NIST) for bulk sample analysis by currently approved EPA methodology by PLM.

During the survey, ECS attempted to identify suspect ACMs in readily accessible areas. However, due to the destructive means required to identify some materials, certain areas were deemed inaccessible (i.e. behind walls or sub grade materials) and were not surveyed for suspect ACMs. Unidentified suspect ACMs may be located in these and/or other inaccessible areas. In total, 63 bulk representative samples were submitted to the laboratory of which 79 layers were analyzed.

4.0 RESULTS

The following is a summary of laboratory results, findings and observations.

4.1 Asbestos-Containing Materials

ACMs are defined as any material containing more than one percent (>1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, PLM.

None of the materials submitted for analysis to Scientific Analytical Institute, Inc. were reported to contain asbestos. Please refer to Table 1 attached to this report for a list of the suspect asbestos bulk samples collected during our survey.

4.2 Suspect or Assumed Asbestos-Containing Materials

Due to the inaccessibility or the destructive means that asbestos sampling requires, additional suspect ACMs may remain within the building hidden behind inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, sub-grade sealants, flooring located below underlayments, areas behind exterior walls, pipe trenches, and subsurface utilities, etc. These areas/materials were deemed inaccessible and were not assessed during this survey.

If these materials are discovered during construction activities, they should be presumed to contain asbestos and be treated as asbestos-containing materials (ACMs) or, otherwise, sampled immediately upon discovery and prior to disturbance for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

Materials which are commonly suspected to contain asbestos located in inaccessible areas of similarly constructed buildings include:

- Air Handler Components in the air handlers (interior components);
- Boilers Components in boilers (gasket, fire brick, etc.);
- Ceramic Wall/Floor Tile Mastics/Compounds;
- Chalkboard/Bulletin Board mastics behind chalkboards/bulletin boards and Chalkboards;
- Concrete Masonry Unit (Blocks/Walls) with Vermiculite filler;
- Duct Pin Mastics associated with HVAC insulation material;
- Electrical Panels Asbestos Cement Components in electrical systems;
- Elevator Components in elevators (Panels, Brake Shoes, Roping, etc.);
- Fire Door and associated Casing Insulation in locations requiring a rated fire door and door casing;
- Light shield Insulation in light shields;
- Mastics or cement boards associated with Baseboard Heaters/Radiators Components/Wall Mounted Fan Coil Units in and/or behind radiators/baseboards;
- Mirror Mastics behind/under mirrors;
- Pipe Flange Gaskets in heating and plumbing systems;
- Roof Structures – roof systems;
- Soffit and materials within exterior soffit cavity at exterior locations;
- Thermal System Insulation (TSI) on pipes within chases behind walls and above ceilings;
- Water Fountain Components in water fountains (pipe cloth);
- Waterproofing Membrane/Mastics/vapor barriers within exterior wall cavities, behind Interior finishes, exterior veneer and/or subgrade walls;
- Wood Flooring Felts;
- Wood Paneling Mastic/Felt Paper behind panels and/or paneling;

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the Asbestos Containing Materials (AHERA) Survey including future plans for renovation/demolition, etc., the laboratory analysis, our findings and observations, ECS presents the following recommendations.

5.1 Asbestos-Containing Materials

None of the bulk samples submitted to SAI were reported to contain detectable concentrations of asbestos. If additional suspect asbestos-containing materials are uncovered during future renovation activities which were not accessible during this sampling event, it is recommended that these materials be sampled or tested immediately upon discovery for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

Suspect ACMs may be present in inaccessible areas and portions of the building which were not assessed due to occupancy or locked areas. Prior to any renovation efforts which will involve any of those areas or the demolition of the building, a follow-up survey should be performed to include

destructive means to access these areas as necessary. A copy of this report should be filed in the schools facilities AHERA documentation.

6.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

Appendix I: Table 1: Asbestos Bulk Sample Results

TABLE 1
CENTRAL OFFICE BUILDING
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Floor Level	Sampling Location	Material/Description	Analytical Results
1	7th FL	Stairwell	Ceiling/Wall "Popcorn" Texture	NAD
2	6th FL	Stairwell	Ceiling/Wall "Popcorn" Texture	NAD
3	5th FL	Stairwell	Ceiling/Wall "Popcorn" Texture	NAD
4	4th FL	Stairwell	Ceiling/Wall "Popcorn" Texture	NAD
5	3rd FL	Stairwell	Ceiling/Wall "Popcorn" Texture	NAD
6	2nd FL	Stairwell	Ceiling/Wall "Popcorn" Texture	NAD
7	1st FL	Stairwell	Ceiling/Wall "Popcorn" Texture	NAD
8 - A	7th FL	710-12	3" White Cove Base	NAD
8 - B	7th FL	710-12	Beige Mastic on 3" White Cove Base	NAD
9 - A	7th FL	710-12	3" White Cove Base	NAD
9 - B	7th FL	710-12	Beige Mastic on 3" White Cove Base	NAD
10	7th FL	710-12	18" Beige Sheet Floor	NAD
11	7th FL	710-12	18" Beige Sheet Floor	NAD
12 - A	7th FL	7th FL Closet	12" x 12" Pink Floor Tile	NAD
12 - B	7th FL	7th FL Closet	Black Mastic of 12" x 12" Pink Floor Tile	NAD
13 - A	7th FL	7th FL Closet	12" x 12" Pink Floor Tile	NAD
13 - B	7th FL	7th FL Closet	Black Mastic of 12" x 12" Pink Floor Tile	NAD
14 - A	7th FL	7th FL Closet	4" Beige Cove Base	NAD
14 - B	7th FL	7th FL Closet	Yellow Mastic of 4" Beige Cove Base	NAD
15 - A	7th FL	7th FL Closet	4" Beige Cove Base	NAD
15 - B	7th FL	7th FL Closet	Yellow Mastic of 4" Beige Cove Base	NAD

Table Notes:
NAD = No Asbestos Detected
N/A = Sample Not Analyzed; Positive Stop
Bold - Asbestos Containing Materials

TABLE 1
CENTRAL OFFICE BUILDING
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Floor Level	Sampling Location	Material/Description	Analytical Results
16	7th FL	7th FL Closet	Drywall Wallboard	NAD
17	7th FL	7th FL Hallway	Drywall Joint Compound	NAD
18	5th FL	Stairwell	White Stair Stringer Caulk	NAD
19	2nd FL	Stairwell	White Stair Stringer Caulk	NAD
20	7th FL	7th FL Hall at 710-11	Yellow/Gray/White Mixed Mastics of Carpet	NAD
21	5th FL	5th FL Lobby Area	Yellow/Gray/White Mixed Mastics of Carpet	NAD
21-A	2nd FL	2nd FL near 220-1	Yellow/Gray/White Mixed Mastics of Carpet	NAD
21-B	1st FL	1st FL - Boardroom	Yellow/Gray/White Mixed Mastics of Carpet	NAD
22	6th FL	6th FL Closet	Drywall Wallboard	NAD
23	6th FL	6th FL Hall near 610-6	Drywall Joint Compound	NAD
24	6th FL	6th FL Closet	Red Conduit Caulk	NAD
25	6th FL	6th FL Closet	Red Conduit Caulk	NAD
28	6th FL	6th FL Closet	Gray Floor Compound	NAD
29	6th FL	6th FL Closet	Gray Floor Compound	NAD
30	5th FL	5th FL 500-7	Drywall Wallboard	NAD
31	5th FL	5th FL Kitchen (500-6)	Drywall Joint Compound	NAD
32	5th FL	5th FL Kitchen (500-6)	Gray Sink Undercoat	NAD
33	5th FL	5th FL Kitchen (500-6)	Gray Sink Undercoat	NAD
34 - A	5th FL	5th FL Hall near 530-1	White Mastic on HVAC Wrap on (Fiberglass)	Wrap - NAD
34 - B	5th FL	5th FL Hall near 530-1	White Mastic on HVAC Wrap on (Fiberglass)	Insulation - NAD
35 - A	4th FL	4th FL Hall near Bathrooms	White Mastic on HVAC Wrap on (Fiberglass)	Wrap - NAD

Table Notes:
NAD = No Asbestos Detected
N/A = Sample Not Analyzed; Positive Stop
Bold - Asbestos Containing Materials

TABLE 1
CENTRAL OFFICE BUILDING
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Floor Level	Sampling Location	Material/Description	Analytical Results
35 - B	4th FL	4th FL Hall near Bathrooms	White Mastic on HVAC Wrap on (Fiberglass)	Insulation - NAD
36 - A	2nd FL	2nd FL near Lobby	White Mastic on HVAC Wrap on (Fiberglass)	Wrap - NAD
36 - B	2nd FL	2nd FL near Lobby	White Mastic on HVAC Wrap on (Fiberglass)	Insulation - NAD
37	5th FL	5th FL Kitchen (500-6)	2' x 4' Flat Ceiling Tile	NAD
38	4th FL	420-30	2' x 4' Flat Ceiling Tile	NAD
39	5th FL	520-5	Gray Sheet Flooring with White/Black Specks	NAD
40	5th FL	520-5	Gray Sheet Flooring with White/Black Specks	NAD
41	4th FL	4th FL Hall near 420-33	Drywall Wallboard	NAD
42	4th FL	4th FL Hall near Bathrooms	Drywall Joint Compound	NAD
43	4th FL	4th FL Hall near Bathrooms	White Mastic on Wall Paper (Residual)	NAD
44	4th FL	4th FL Hall near Bathrooms	White Mastic on Wall Paper (Residual)	NAD
45	3rd FL	3rd FL Hall near Bathrooms	Drywall Wallboard	NAD
46	3rd FL	3rd FL Hall near Bathrooms	Drywall Joint Compound	NAD
47	2nd FL	2nd FL Hall near Bathrooms	Drywall Wallboard	NAD
48	2nd FL	2nd FL Hall near Bathrooms	Drywall Joint Compound	NAD
49 - A	2nd FL	200-6	White Pipe Wrap (TSI) on Fiberglass	Wrap - NAD
49 - B	2nd FL	200-6	White Pipe Wrap (TSI) on Fiberglass	Insulation - NAD
50 - A	2nd FL	200-6	White Pipe Wrap (TSI) on Fiberglass	Wrap - NAD
50 - B	2nd FL	200-6	White Pipe Wrap (TSI) on Fiberglass	Insulation - NAD
51 - A	2nd FL	200-6	White Pipe Wrap (TSI) on Fiberglass	Wrap - NAD
51 - B	2nd FL	200-6	White Pipe Wrap (TSI) on Fiberglass	Insulation - NAD

Table Notes:
NAD = No Asbestos Detected
N/A = Sample Not Analyzed; Positive Stop
Bold - Asbestos Containing Materials

TABLE 1
CENTRAL OFFICE BUILDING
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Floor Level	Sampling Location	Material/Description	Analytical Results
52	2nd FL	200-6 Ceiling	Residual Drywall Joint Compound	NAD
53	2nd FL	200-6 Ceiling	Residual Drywall Joint Compound	NAD
54	1st FL	1st FL Mechanical Hall	2' x 2' Pinhole Punch Ceiling Tile	NAD
55	1st FL	1st FL Mechanical Hall	2' x 2' Pinhole Punch Ceiling Tile	NAD
56	1st FL	1st FL Receiving	Drywall Joint Compound	NAD
57	1st FL	1st FL Receiving	Drywall Wallboard	NAD
58 - A	1st FL	1st FL Receiving	12" x 12" Beige Floor Tile	NAD
58 - B	1st FL	1st FL Receiving	Yellow Mastic of 12" x 12" Beige Floor Tile	NAD
59 - A	1st FL	1st FL Receiving	12" x 12" Beige Floor Tile	NAD
59 - B	1st FL	1st FL Receiving	Yellow Mastic of 12" x 12" Beige Floor Tile	NAD
60 - A	1st FL	1st FL Receiving	6" Black Cove Base	NAD
60 - B	1st FL	1st FL Receiving	Gray Mastic of 6" Black Cove Base	NAD
61 - A	1st FL	1st FL Receiving	6" Black Cove Base	NAD
61 - B	1st FL	1st FL Receiving	Gray Mastic of 6" Black Cove Base	NAD
62	1st FL	1st FL Mechanical Room	Gray Duct Mastic on Metal HVAC Duct	NAD
63	1st FL	1st FL Mechanical Room	Gray Duct Mastic on Metal HVAC Duct	NAD

Table Notes:
NAD = No Asbestos Detected
N/A = Sample Not Analyzed; Positive Stop
Bold - Asbestos Containing Materials

Appendix II: Photographs



1. Typical view of the office areas



2. Typical view of classroom



3. View of “popcorn” textured wall coating in the stairwells, Samples 1-7



4. View of 3” white cove base and beige sheet flooring, Samples 8-11



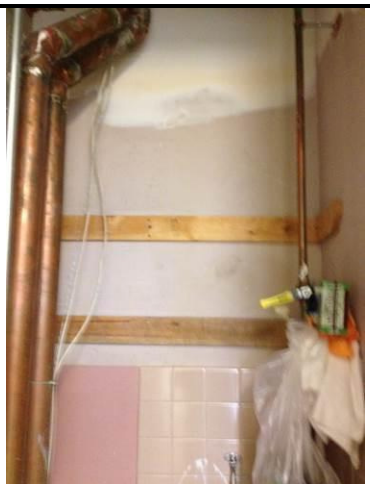
5. View of 7th FL hall closet 12” x 12” pink floor tiles with black mastic, Samples 12-13



6. View of 6th FL hall closet, similar flooring of 7th floor, also view of gray floor compound, Samples 28-29

ACPS – Central Office Building
1340 Braddock Place
Alexandria, VA

Site Photographs
ECS Project No. 47:1519-D
Site Visit: January 10, 2017



7. View of drywall wallboard, Sample 16. Also view of ceramic wall tiles.



8. Typical view of drywall wallboard and drywall joint compound materials, Sample 17.



9. View of red conduit caulk, Samples 24-25



10. View of gray sink undercoating, Samples 32-33



11. View of white mastic on HVAC insulation wrap (typical), Samples 34-36



12. View of 2' x 4' ceiling tiles, Samples 37-38

ACPS – Central Office Building
1340 Braddock Place
Alexandria, VA

Site Photographs
ECS Project No. 47:1519-D
Site Visit: January 10, 2017



13. View of gray sheet flooring, Samples 39-40



14. View of drywall/joint compound materials, Samples 41-42



15. View of white pipe insulation wrap on fiberglass, Samples 49-51



16. View of residual white joint compound on decking, Samples 52-53



17. View of 2' x 2' pinhole punch ceiling tiles, Samples 54-55



18. View of drywall, joint compound, and 12"x12" Beige Floor Tile, Samples 56-59



19. View of 6” black cove base, Samples 60-61



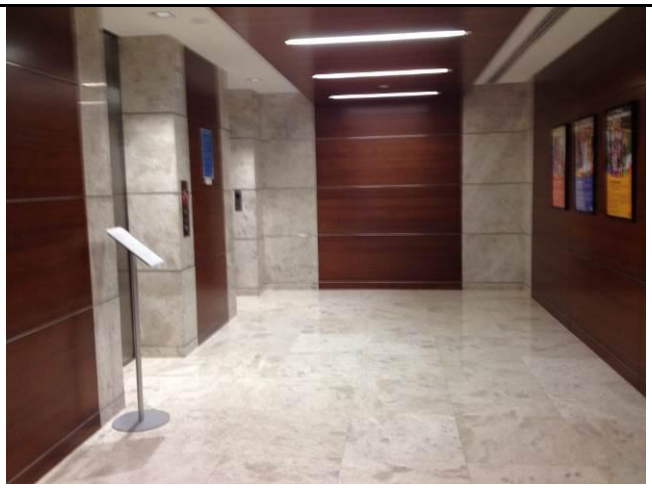
20. View of yellow carpet mastics, typical, Sample 21B



21. View of gray duct mastic on HVAC unit, Samples 62-63



22. Typical view of office/lobby areas with wood flooring and ceiling panels

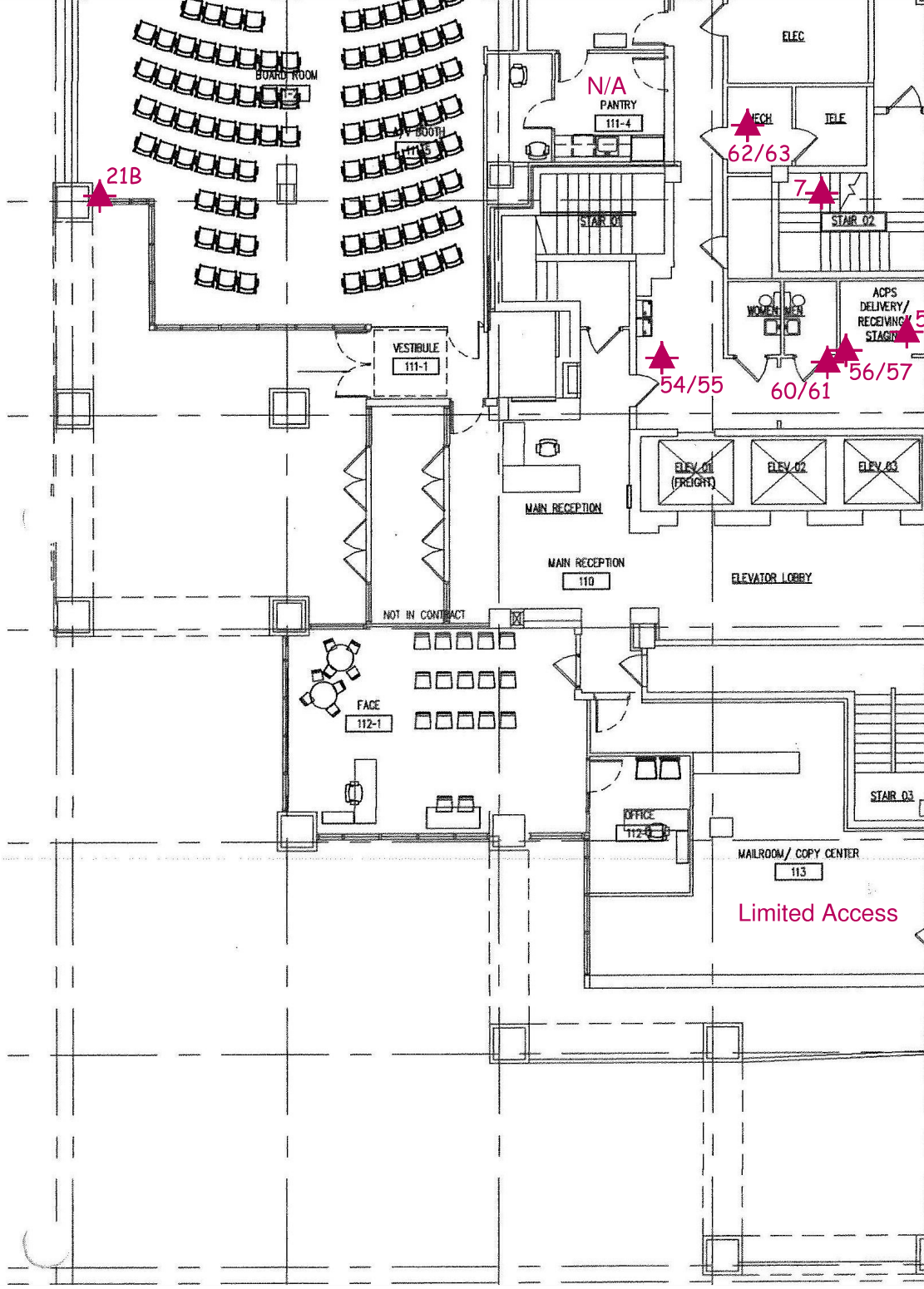


23. View of marble wall panels in main elevator lobby of the 1st floor



24. View of the boardroom on the 1st floor level

Appendix III: Sample Location Drawings



General Drawing Notes:

1. Sampling Locations are estimated.
2. Site visit performed on January 10, 2017.

N/A - Room Not Accessible

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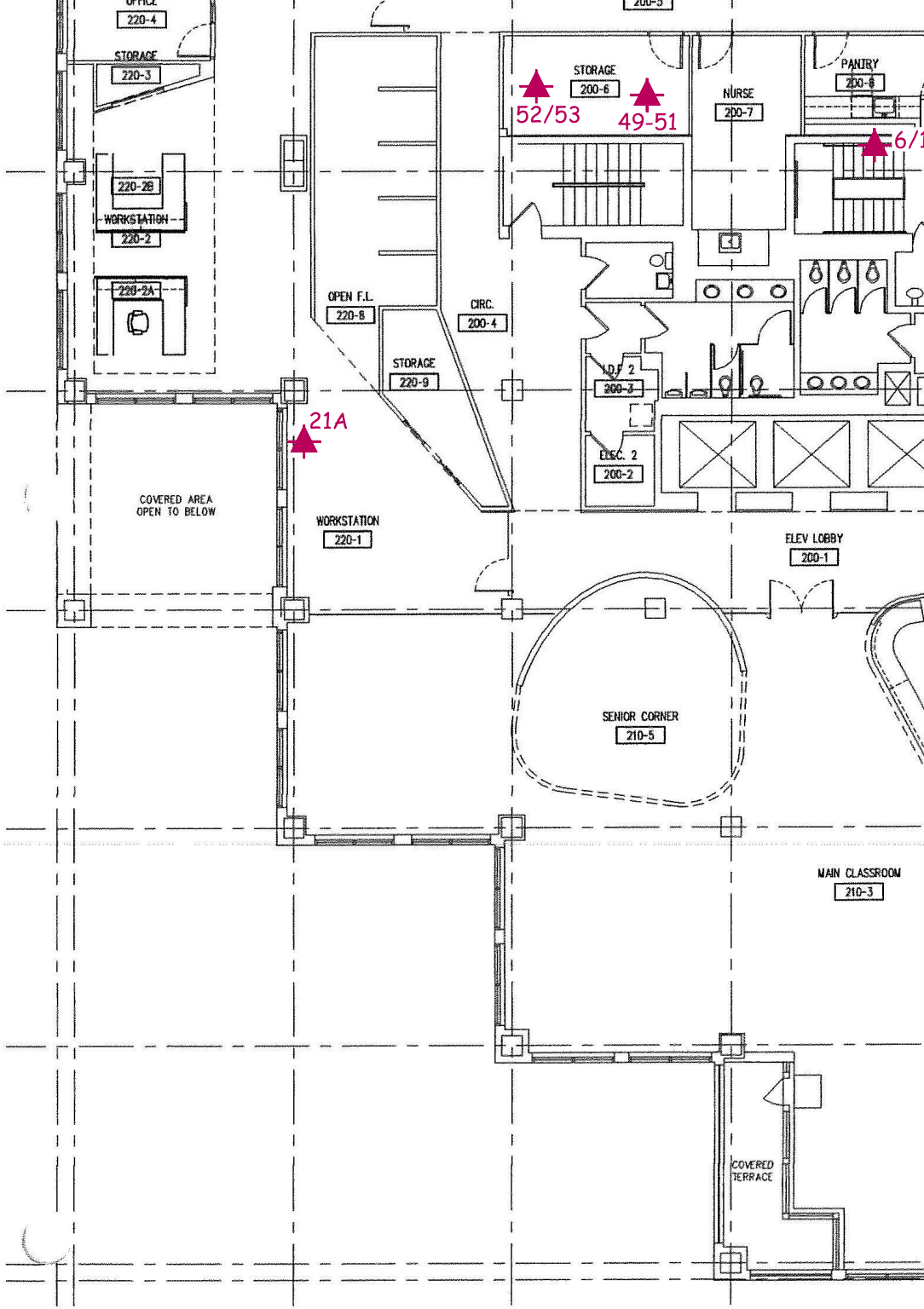

General Drawing Notes:

1. Sampling Locations are estimated.
2. Site visit performed on January 10, 2017.

N/A - Room Not Accessible

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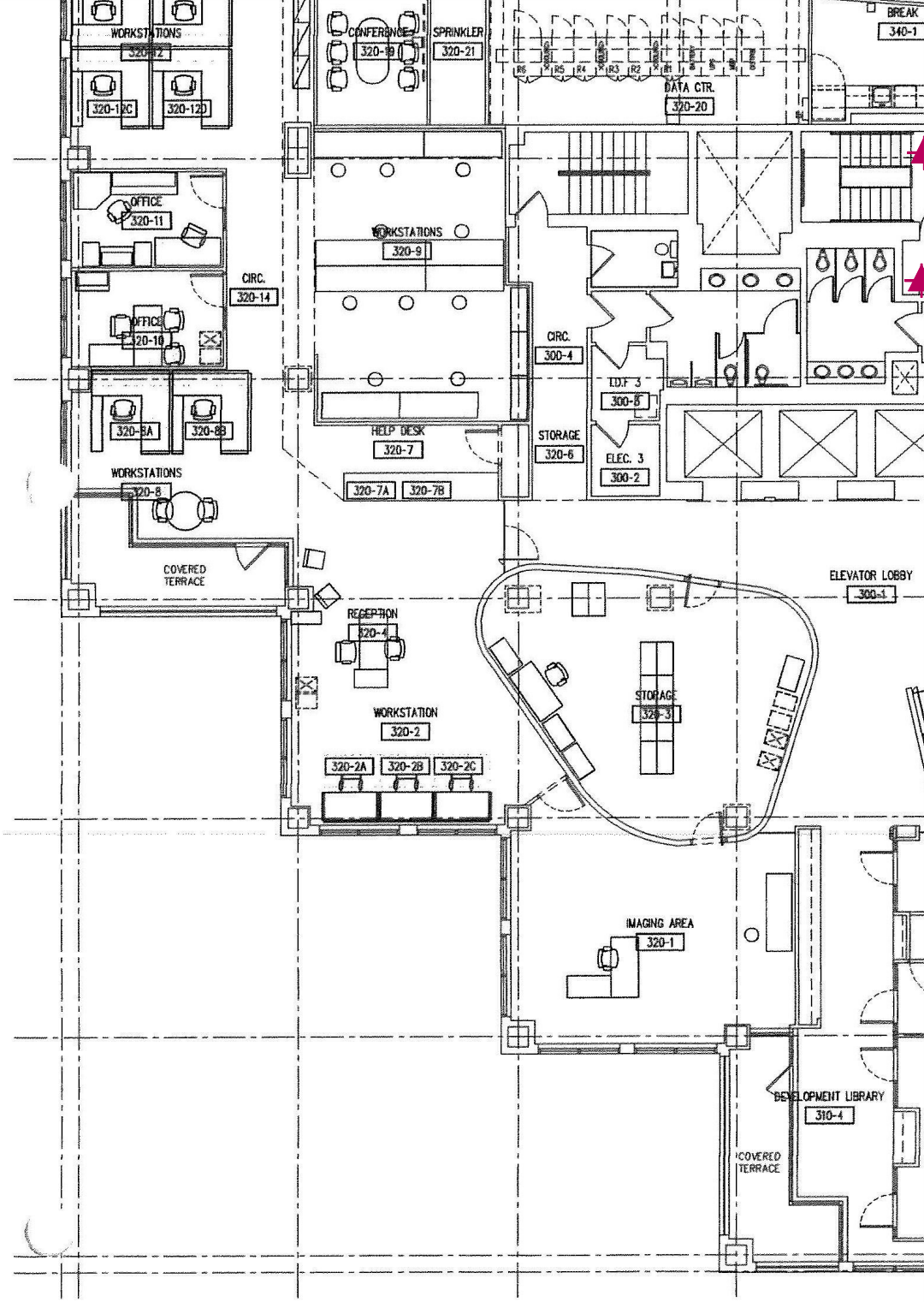

General Drawing Notes:

1. Sampling Locations are estimated.
2. Site visit performed on January 10, 2017.

N/A - Room Not Accessible

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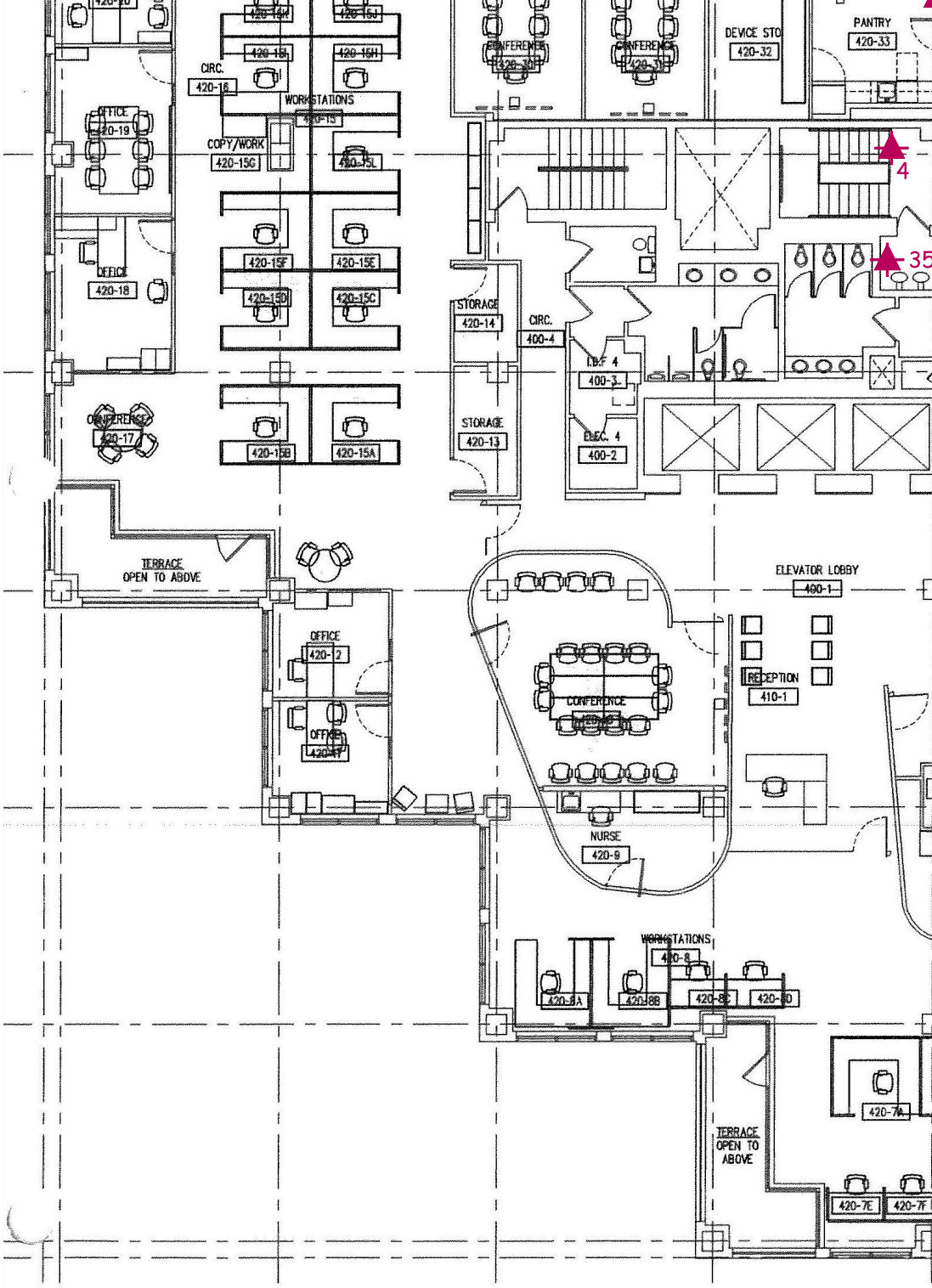
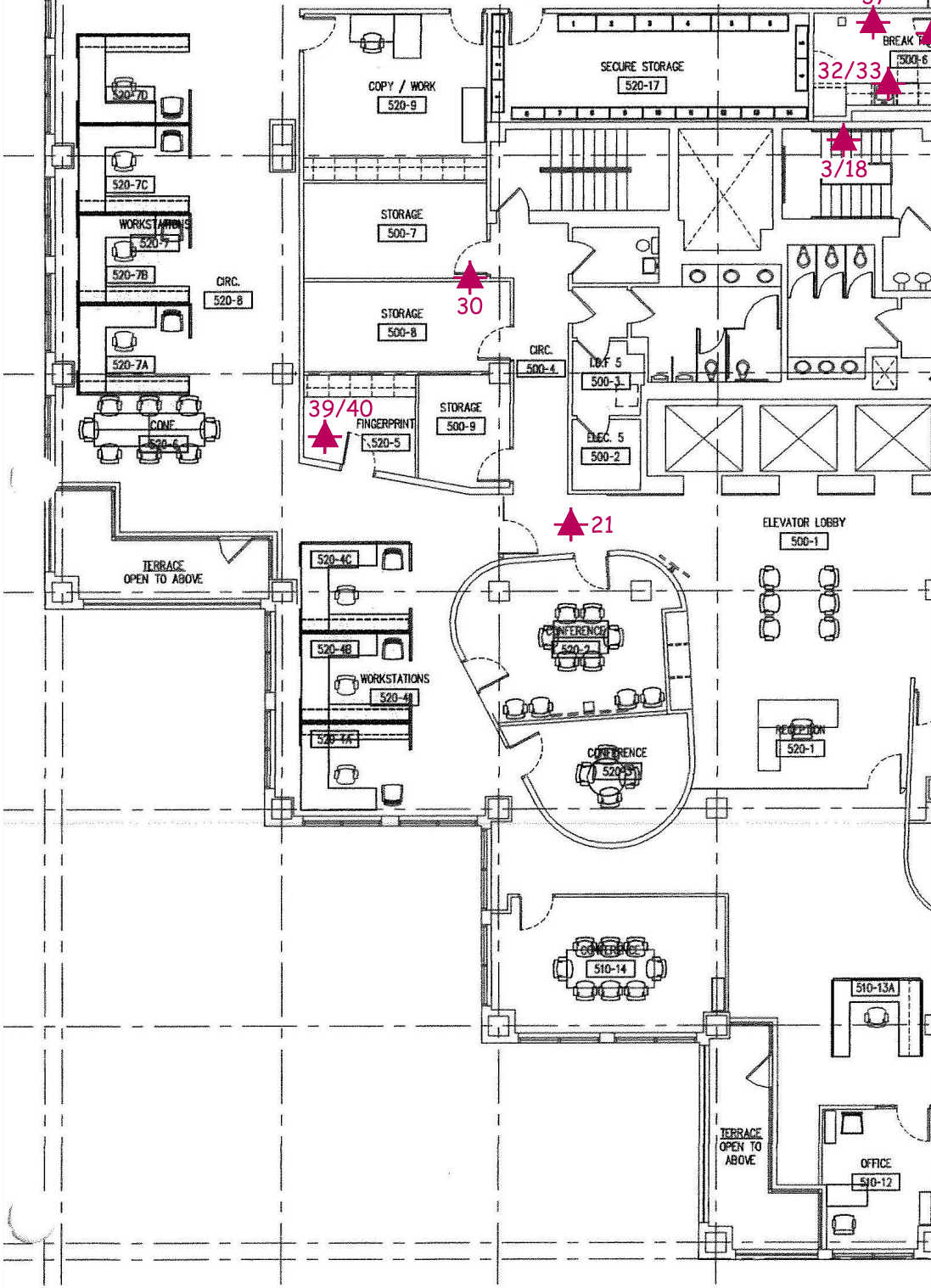


General Drawing Notes:

1. Sampling Locations are estimated.
2. Site visit performed on January 10, 2017.

N/A - Room Not Accessible

I:_e-projects\1501-1600\1519-D ACPS 3 YR AHERA - O&M Plans\Central School Office Building\drafting\Central Office Bldg Sample Locations.dwg

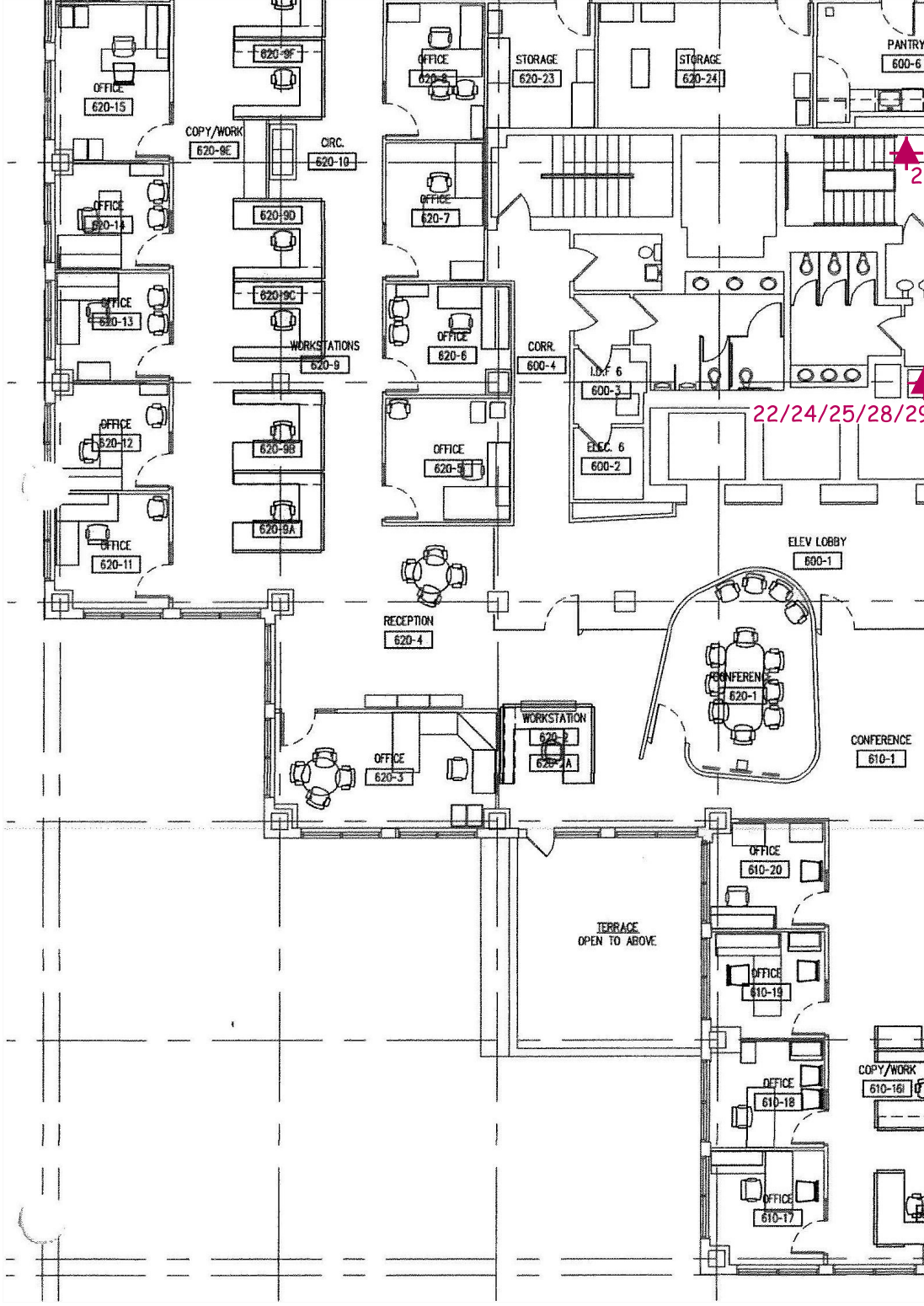


General Drawing Notes:

1. Sampling Locations are estimated.
2. Site visit performed on January 10, 2017.

N/A - Room Not Accessible

I:_e-projects\1501-1600\1519-D ACPS 3 YR AHERA - O&M Plans\Central School Office Building\drafting\Central Office Bldg Sample Locations.dwg



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N/A - Room Not Accessible

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N/A - Room Not Accessible

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Appendix IV: Laboratory Report(s)

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY INDUSTRIAL HYGIENE ISO/IEC 17025:2005 www.aihaaccreditedlabs.org
LAB #173190

NVLAP Lab Code: 200664-0

Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Beverly Sedon

Project: 47:1519-D Main Office

Lab Order ID: 1700667
Analysis ID: 1700667_PLM
Date Received: 1/12/2017
Date Reported: 1/18/2017

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
1 *1700667PLM_1*	Ceiling/Wall "Popcorn" Texture	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
2 *1700667PLM_2*	Ceiling/Wall "Popcorn" Texture	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
3 *1700667PLM_3*	Ceiling/Wall "Popcorn" Texture	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
4 *1700667PLM_4*	Ceiling/Wall "Popcorn" Texture	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
5 *1700667PLM_5*	Ceiling/Wall "Popcorn" Texture	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
6 *1700667PLM_6*	Ceiling/Wall "Popcorn" Texture	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
7 *1700667PLM_7*	Ceiling/Wall "Popcorn" Texture	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
8 - A *1700667PLM_8*	3" White Cove Base with Beige Mastic *covebase*	None Detected		100% Other	White Non Fibrous Homogeneous Ashed, Dissolved

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Philip Szabo (79)

Analyst

Approved Signatory

P-F-002 r15 1/15/2018

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

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Analysis ID: 1700667_PLM
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Date Reported: 1/18/2017

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
8 - B / *1700667PLM_62*	3" White Cove Base with Beige Mastic / *mastic*	None Detected		100% Other	Beige, Non Fibrous, Homogeneous / Ashed, Dissolved
9 - A / *1700667PLM_9*	3" White Cove Base with Beige Mastic / *covebase*	None Detected		100% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
9 - B / *1700667PLM_79*	3" White Cove Base with Beige Mastic / *mastic*	None Detected		100% Other	Beige, Non Fibrous, Homogeneous / Ashed, Dissolved
10 / *1700667PLM_10*	18" Beige Sheet Floor	None Detected		100% Other	Beige, Non Fibrous, Homogeneous / Ashed, Dissolved
11 / *1700667PLM_11*	18" Beige Sheet Floor	None Detected		100% Other	Beige, Non Fibrous, Homogeneous / Ashed, Dissolved
12 - A / *1700667PLM_12*	12" x 12" Pink Floor Tile with Black Mastic / *tile*	None Detected		100% Other	Pink, Non Fibrous, Homogeneous / Dissolved
12 - B / *1700667PLM_63*	12" x 12" Pink Floor Tile with Black Mastic / *mastic*	None Detected		100% Other	Black, Non Fibrous, Homogeneous / Dissolved
13 - A / *1700667PLM_13*	12" x 12" Pink Floor Tile with Black Mastic / *tile*	None Detected		100% Other	Pink, Non Fibrous, Homogeneous / Dissolved

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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
13 - B	12" x 12" Pink Floor Tile with Black Mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
1700667PLM_64	*mastic*				Dissolved
14 - A	4" Beige Cove Base with Yellow Mastic	None Detected		100% Other	Beige Non Fibrous Homogeneous
1700667PLM_14	*covebase*				Ashed, Dissolved
14 - B	4" Beige Cove Base with Yellow Mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1700667PLM_65	*mastic*				Ashed, Dissolved
15 - A	4" Beige Cove Base with Yellow Mastic	None Detected		100% Other	Beige Non Fibrous Homogeneous
1700667PLM_15	*covebase*				Ashed, Dissolved
15 - B	4" Beige Cove Base with Yellow Mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1700667PLM_66	*mastic*				Ashed, Dissolved
16	Drywall Wallboard	None Detected	5% Cellulose	95% Other	Gray Non Fibrous Homogeneous
1700667PLM_16					Dissolved
17	Drywall Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
1700667PLM_17					Dissolved
18	White Stair Stringer Caulk	None Detected		100% Other	White Non Fibrous Homogeneous
1700667PLM_18					Ashed, Dissolved

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Analysis ID: 1700667_PLM
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
19 *1700667PLM_19*	White Stair Stringer Caulk	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Ashed, Dissolved
20 *1700667PLM_20*	Yellow/Gray/White Mixed Mastics of Carpet	**None Detected**		**100% Other**	Yellow, Gray, White Non Fibrous Homogeneous Ashed, Dissolved
21 *1700667PLM_21*	Yellow/Gray/White Mixed Mastics of Carpet	**None Detected**		**100% Other**	Yellow, Gray, White Non Fibrous Homogeneous Ashed, Dissolved
21-A *1700667PLM_22*	Yellow/Gray/White Mixed Mastics of Carpet	**None Detected**		**100% Other**	Yellow, Gray, White Non Fibrous Homogeneous Ashed, Dissolved
21-B *1700667PLM_23*	Yellow/Gray/White Mixed Mastics of Carpet	**None Detected**		**100% Other**	Yellow, Gray, White Non Fibrous Homogeneous Ashed, Dissolved
22 *1700667PLM_24*	Drywall Wallboard	**None Detected**	**3% Cellulose** **2% Fiber Glass**	**95% Other**	Gray Non Fibrous Homogeneous Dissolved
23 *1700667PLM_25*	Drywall Joint Compound	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Dissolved
24 *1700667PLM_26*	Red Conduit Caulk	**None Detected**		**100% Other**	Red Non Fibrous Homogeneous Ashed, Dissolved

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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
25 / *1700667PLM_27*	Red Conduit Caulk	None Detected		100% Other	Red, Non Fibrous, Homogeneous / Ashed, Dissolved
28 / *1700667PLM_28*	Gray Floor Compound	None Detected		100% Other	Gray, Non Fibrous, Homogeneous / Dissolved
29 / *1700667PLM_29*	Gray Floor Compound	None Detected		100% Other	Gray, Non Fibrous, Homogeneous / Dissolved
30 / *1700667PLM_30*	Drywall Wallboard	None Detected		100% Other	White, Non Fibrous, Homogeneous / Dissolved
31 / *1700667PLM_31*	Drywall Joint Compound	None Detected		100% Other	White, Non Fibrous, Homogeneous / Dissolved
32 / *1700667PLM_32*	Gray Sink Undercoat	None Detected		100% Other	Gray, Non Fibrous, Homogeneous / Dissolved
33 / *1700667PLM_33*	Gray Sink Undercoat	None Detected		100% Other	Gray, Non Fibrous, Homogeneous / Dissolved
34 - A / *1700667PLM_34*	White Mastic on HVAC Wrap (Fiberglass) / *wrap*	None Detected	30% Cellulose	70% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved

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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
34 - B / *1700667PLM_67*	White Mastic on HVAC Wrap (Fiberglass) / *insulation*	None Detected	99% Fiber Glass	1% Other	Yellow, Fibrous, Homogeneous / Teased, Dissolved
35 - A / *1700667PLM_35*	White Mastic on HVAC Wrap (Fiberglass) / *wrap*	None Detected	30% Cellulose	70% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
35 - B / *1700667PLM_68*	White Mastic on HVAC Wrap (Fiberglass) / *insulation*	None Detected	99% Fiber Glass	1% Other	Yellow, Fibrous, Homogeneous / Teased, Dissolved
36 - A / *1700667PLM_36*	White Mastic on HVAC Wrap (Fiberglass) / *wrap*	None Detected	30% Cellulose	70% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
36 - B / *1700667PLM_69*	White Mastic on HVAC Wrap (Fiberglass) / *insulation*	None Detected	99% Fiber Glass	1% Other	Yellow, Fibrous, Homogeneous / Teased, Dissolved
37 / *1700667PLM_37*	2' x 4' Flat Ceiling Tile	None Detected	45% Cellulose 15% Fiber Glass 10% Mineral Wool	15% Perlite 15% Other	White, Fibrous, Homogeneous / Dissolved
38 / *1700667PLM_38*	2' x 4' Flat Ceiling Tile	None Detected	45% Cellulose 15% Fiber Glass 10% Mineral Wool	15% Perlite 15% Other	White, Fibrous, Homogeneous / Dissolved
39 / *1700667PLM_39*	Gray Sheet Flooring with White/Black Specks	None Detected		100% Other	Gray, Non Fibrous, Homogeneous / Ashed, Dissolved

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Date Received: 1/12/2017
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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
40 / *1700667PLM_40*	Gray Sheet Flooring with White/Black Specks	None Detected		100% Other	Gray, Non Fibrous, Homogeneous / Ashed, Dissolved
41 / *1700667PLM_41*	Drywall Wallboard	None Detected	5% Cellulose	95% Other	White, Non Fibrous, Homogeneous / Dissolved
42 / *1700667PLM_42*	Drywall Joint Compound	None Detected		100% Other	White, Non Fibrous, Homogeneous / Dissolved
43 / *1700667PLM_43*	White Mastic on Wall Paper (Residual)	None Detected		100% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
44 / *1700667PLM_44*	White Mastic on Wall Paper (Residual)	None Detected		100% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
45 / *1700667PLM_45*	Drywall Wallboard	None Detected	5% Cellulose	95% Other	Gray, Non Fibrous, Homogeneous / Dissolved
46 / *1700667PLM_46*	Drywall Joint Compound	None Detected		100% Other	White, Non Fibrous, Homogeneous / Dissolved
47 / *1700667PLM_47*	Drywall Wallboard	None Detected	5% Cellulose	95% Other	Gray, Non Fibrous, Homogeneous / Dissolved

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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
48 / *1700667PLM_48*	Drywall Joint Compound	None Detected		100% Other	White, Non Fibrous, Homogeneous / Dissolved
49 - A / *1700667PLM_49*	White Pipe Wrap (TSI) on Fiberglass / *wrap*	None Detected	50% Cellulose, 5% Fiber Glass	45% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
49 - B / *1700667PLM_70*	White Pipe Wrap (TSI) on Fiberglass / *insulation*	None Detected	99% Fiber Glass	1% Other	Yellow, Fibrous, Homogeneous / Teased, Dissolved
50 - A / *1700667PLM_50*	White Pipe Wrap (TSI) on Fiberglass / *wrap*	None Detected	50% Cellulose, 5% Fiber Glass	45% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
50 - B / *1700667PLM_71*	White Pipe Wrap (TSI) on Fiberglass / *insulation*	None Detected	99% Fiber Glass	1% Other	Yellow, Fibrous, Homogeneous / Teased, Dissolved
51 - A / *1700667PLM_51*	White Pipe Wrap (TSI) on Fiberglass / *wrap*	None Detected	50% Cellulose, 5% Fiber Glass	45% Other	White, Non Fibrous, Homogeneous / Ashed, Dissolved
51 - B / *1700667PLM_72*	White Pipe Wrap (TSI) on Fiberglass / *insulation*	None Detected	99% Fiber Glass	1% Other	Yellow, Fibrous, Homogeneous / Teased, Dissolved
52 / *1700667PLM_52*	Residual Drywall Joint Compound	None Detected		100% Other	White, Non Fibrous, Homogeneous / Dissolved

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53 *1700667PLM_53*	Residual Drywall Joint Compound	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Dissolved
54 *1700667PLM_54*	2' x 2' Pinhole Punch Ceiling Tile	**None Detected**	**40% Cellulose** **20% Fiber Glass** **10% Mineral Wool**	**15% Perlite** **15% Other**	White Fibrous Homogeneous Ashed, Dissolved
55 *1700667PLM_55*	2' x 2' Pinhole Punch Ceiling Tile	**None Detected**	**40% Cellulose** **20% Fiber Glass** **10% Mineral Wool**	**15% Perlite** **15% Other**	White Fibrous Homogeneous Ashed, Dissolved
56 *1700667PLM_56*	Drywall Joint Compound	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Dissolved
57 *1700667PLM_57*	Drywall Wallboard	**None Detected**	**5% Cellulose**	**95% Other**	Gray Non Fibrous Homogeneous Dissolved
58 - A *1700667PLM_58*	12" x 12" Beige Floor Tile with Yellow Mastic *tile*	**None Detected**		**100% Other**	Beige Non Fibrous Homogeneous Dissolved
58 - B *1700667PLM_73*	12" x 12" Beige Floor Tile with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved
59 - A *1700667PLM_59*	12" x 12" Beige Floor Tile with Yellow Mastic *tile*	**None Detected**		**100% Other**	Beige Non Fibrous Homogeneous Dissolved

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Analysis ID: 1700667_PLM
Date Received: 1/12/2017
Date Reported: 1/18/2017

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
59 - B *1700667PLM_74*	12" x 12" Beige Floor Tile with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved
60 - A *1700667PLM_60*	6" Black Cove Base with Gray Mastic *covebase*	**None Detected**		**100% Other**	Black Non Fibrous Homogeneous Ashed, Dissolved
60 - B *1700667PLM_75*	6" Black Cove Base with Gray Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Ashed, Dissolved
61 - A *1700667PLM_61*	6" Black Cove Base with Gray Mastic *covebase*	**None Detected**		**100% Other**	Black Non Fibrous Homogeneous Ashed, Dissolved
61 - B *1700667PLM_76*	6" Black Cove Base with Gray Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Ashed, Dissolved
62 *1700667PLM_77*	 *not on coc*	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Ashed, Dissolved
63 *1700667PLM_78*	 *not on coc*	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Ashed, Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Philip Szabo (79)

Analyst

Approved Signatory

Client:	ECS Mid-Atlantic, LLC
Contact:	Beverly Sedon
Address:	14026 Thunderbolt Place, Suite
Phone:	301-672-2096 (cell)
Fax:	
Email:	bsedon@ecslimited.com
Project:	47:1519-D Main Office
Client Notes:	**Positive Stop**
P.O. #.	47:1519-D Main Office
Date Submitted:	1/11/2017 0:00
Analysis:	PLM EPA 600/R-93/116
TurnAroundTime:	5 Day TAT

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"
Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

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Scientific Analytical Institute

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Sample Number	Data 1	Sample Description	Data 2
<<			
1	HA1	Ceiling/Wall "Popcorn" Texture	Stairwell - 7th FL
2	HA1	Ceiling/Wall "Popcorn" Texture	Stairwell - 6 th FL
3	HA1	Ceiling/Wall "Popcorn" Texture	Stairwell - 5 th FL
4	HA1	Ceiling/Wall "Popcorn" Texture	Stairwell - 4 th FL
5	HA1	Ceiling/Wall "Popcorn" Texture	Stairwell - 3 th FL
6	HA1	Ceiling/Wall "Popcorn" Texture	Stairwell - 2 th FL
7	HA1	Ceiling/Wall "Popcorn" Texture	Stairwell - 1 th FL
8	HA2	3" White Cove Base with Beige Mastic	710-12
9	HA2	3" White Cove Base with Beige Mastic	710-12
10	HA3	18" Beige Sheet Floor	710-12
11	HA3	18" Beige Sheet Floor	710-12
12	HA4	12" x 12" Pink Floor Tile with Black Mastic	7th FL Closet
13	HA4	12" x 12" Pink Floor Tile with Black Mastic	7th FL Closet
14	HA5	4" Beige Cove Base with Yellow Mastic	7th FL Closet
15	HA5	4" Beige Cove Base with Yellow Mastic	7th FL Closet
16	HA6	Drywall Wallboard	7th FL Closet
17	HA7	Drywall Joint Compound	7th FL Hallway
18	HA8	White Stair Stringer Caulk	Stairwell - 5 th FL

Accepted ☒

Rejected ☐

1/12 1030A

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	19	HA8	White Stair Stringer Caulk	Stairwell - 2 th FL
	20	HA9	Yellow/Gray/White Mixed Mastics of Carpet	7th FL
	21	HA9	Yellow/Gray/White Mixed Mastics of Carpet	5th FL
21-A		HA9	Yellow/Gray/White Mixed Mastics of Carpet	2nd FL
21-B		HA9	Yellow/Gray/White Mixed Mastics of Carpet	1st FL
	22	HA6	Drywall Wallboard	6th FL Closet
	23	HA7	Drywall Joint Compound	6th FL Hallway
	24	HA10	Red Conduit Caulk	6th FL Closet
	25	HA10	Red Conduit Caulk	6th FL Closet
	28	HA11	Gray Floor Compound	6th FL Closet
	29	HA11	Gray Floor Compound	6th FL Closet
	30	HA6	Drywall Wallboard	5th FL Storage Room
	31	HA7	Drywall Joint Compound	5th FL Kitchen
	32	HA12	Gray Sink Undercoat	5th FL Kitchen
	33	HA12	Gray Sink Undercoat	5th FL Kitchen
	34	HA13	White Mastic on HVAC Wrap (Fiberglass)	5th FL Ceiling Cavity
	35	HA13	White Mastic on HVAC Wrap (Fiberglass)	4th FL Ceiling Cavity
	36	HA13	White Mastic on HVAC Wrap (Fiberglass)	2nd FL Ceiling Cavity
	37	HA14	2' x 4' Flat Ceiling Tile	5th FL Kitchen
	38	HA14	2' x 4' Flat Ceiling Tile	420-30
	39	HA15	Gray Sheet Flooring with White/Black Specks	520-5
	40	HA15	Gray Sheet Flooring with White/Black Specks	520-5
	41	HA6	Drywall Wallboard	4th FL Hallway
	42	HA7	Drywall Joint Compound	4th FL Hallway
	43	HA16	White Mastic on Wall Paper (Residual)	4th FL Hallway Ceiling Cavity
	44	HA16	White Mastic on Wall Paper (Residual)	4th FL Hallway Ceiling Cavity
	45	HA6	Drywall Wallboard	3rd FL Hallway
	46	HA7	Drywall Joint Compound	3rd FL Hallway
	47	HA6	Drywall Wallboard	2nd FL Hallway
	48	HA7	Drywall Joint Compound	2nd FL Hallway
	49	HA17	White Pipe Wrap (TSI) on Fiberglass	200-6
	50	HA17	White Pipe Wrap (TSI) on Fiberglass	200-6
	51	HA17	White Pipe Wrap (TSI) on Fiberglass	200-6
	52	HA18	Residual Drywall Joint Compound	200-6 Ceiling
	53	HA18	Residual Drywall Joint Compound	200-6 Ceiling
	54	HA19	2' x 2' Pinhole Punch Ceiling Tile	1st FL Rear Hall
	55	HA19	2' x 2' Pinhole Punch Ceiling Tile	1st FL Rear Hall

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56	HA7	Drywall Joint Compound	1st FL Rear Hall
57	HA6	Drywall Wallboard	1st FL Rear Hall
58	HA20	12" x 12" Beige Floor Tile with Yellow Mastic	1st FL Rear Hall
59	HA20	12" x 12" Beige Floor Tile with Yellow Mastic	1st FL Rear Hall
60	HA21	6" Black Cove Base with Gray Mastic	1st FL Rear Hall
61	HA21	6" Black Cove Base with Gray Mastic	1st FL Rear Hall

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