AHERA - THREE YEAR REINSPECTION



ALEXANDRIA CITY HS - KING STREET

3330 KING STREET
ALEXANDRIA, VIRGINIA 22302

ECS PROJECT NO. 47:11652-E4-1

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

AUGUST 18, 2025

Geotechnical • Construction Materials • Environmental • Facilities

August 18, 2025

Mr. Lee Conroy
Alexandria City Public Schools
1701 North Beauregard Street
Alexandria, Virginia 22311

ECS Project No. 47:11652-E4-1

Reference: AHERA - Three Year Reinspection, Alexandria City HS - King Street, 3330 King Street, 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 Alexandria City HS - King Street located at 3330 King Street in Alexandria, Virginia.

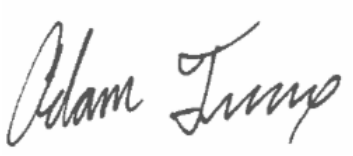
Previous asbestos surveys of the school did not identify asbestos. ECS performed a cursory walk through of the school to observe present conditions.

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



Adam Truax
Environmental Senior Project Manager
atruax@ecslimited.com



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

540-667-3750

804-767-5102

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1.0 SITE DESCRIPTION

The subject property consists of Alexandria City HS - King Street, a three-story brick school building located at 3330 King Street in Alexandria, Virginia. The school was originally constructed in 2007 and encompasses approximately 608,362 square feet of space. 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

Previous asbestos surveys of the school did not identify asbestos. ECS performed a cursory walk through of the school 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 Reinspectionand 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 school's AHERA management plan.

5.0 LIMITATIONS

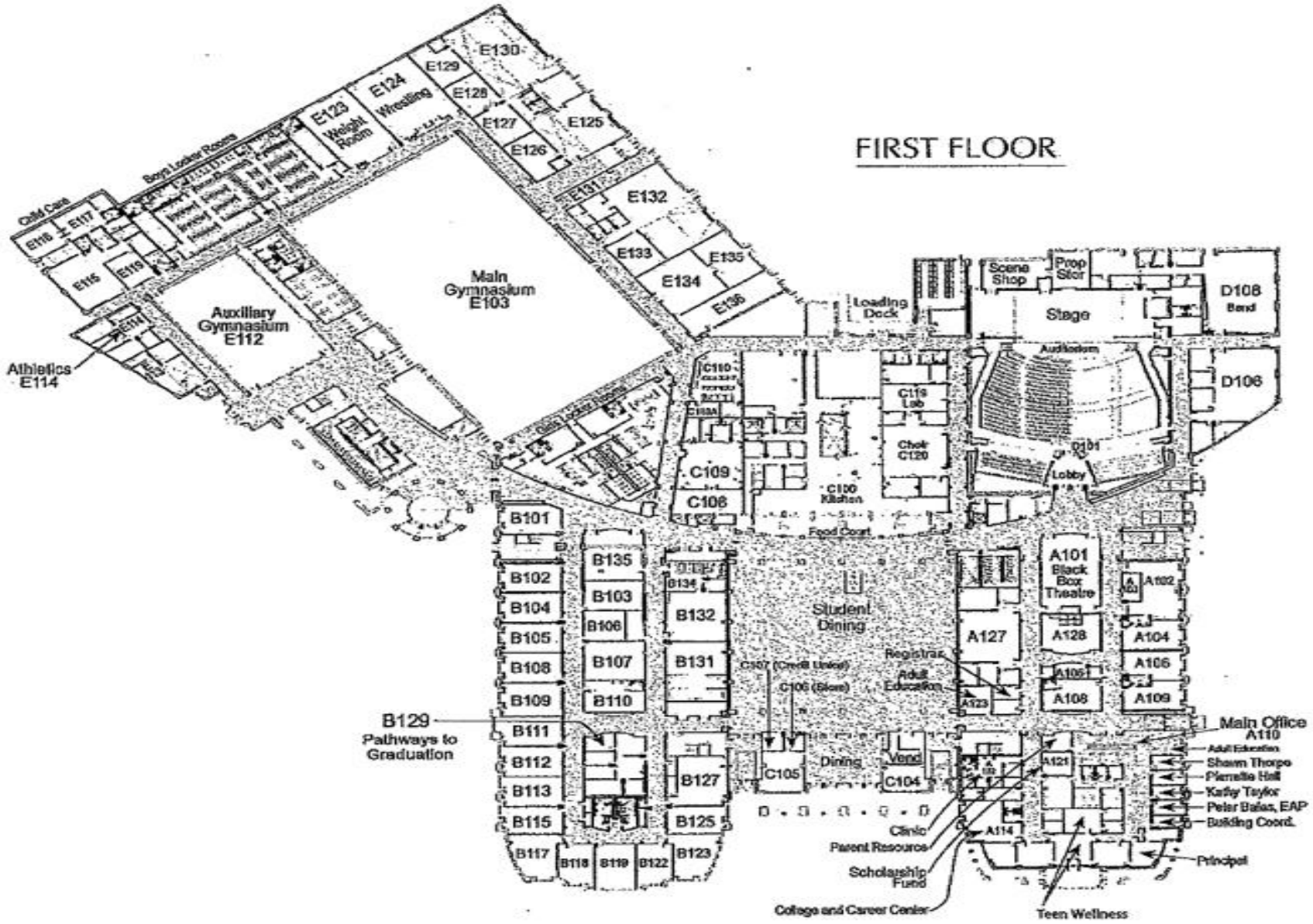
The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards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

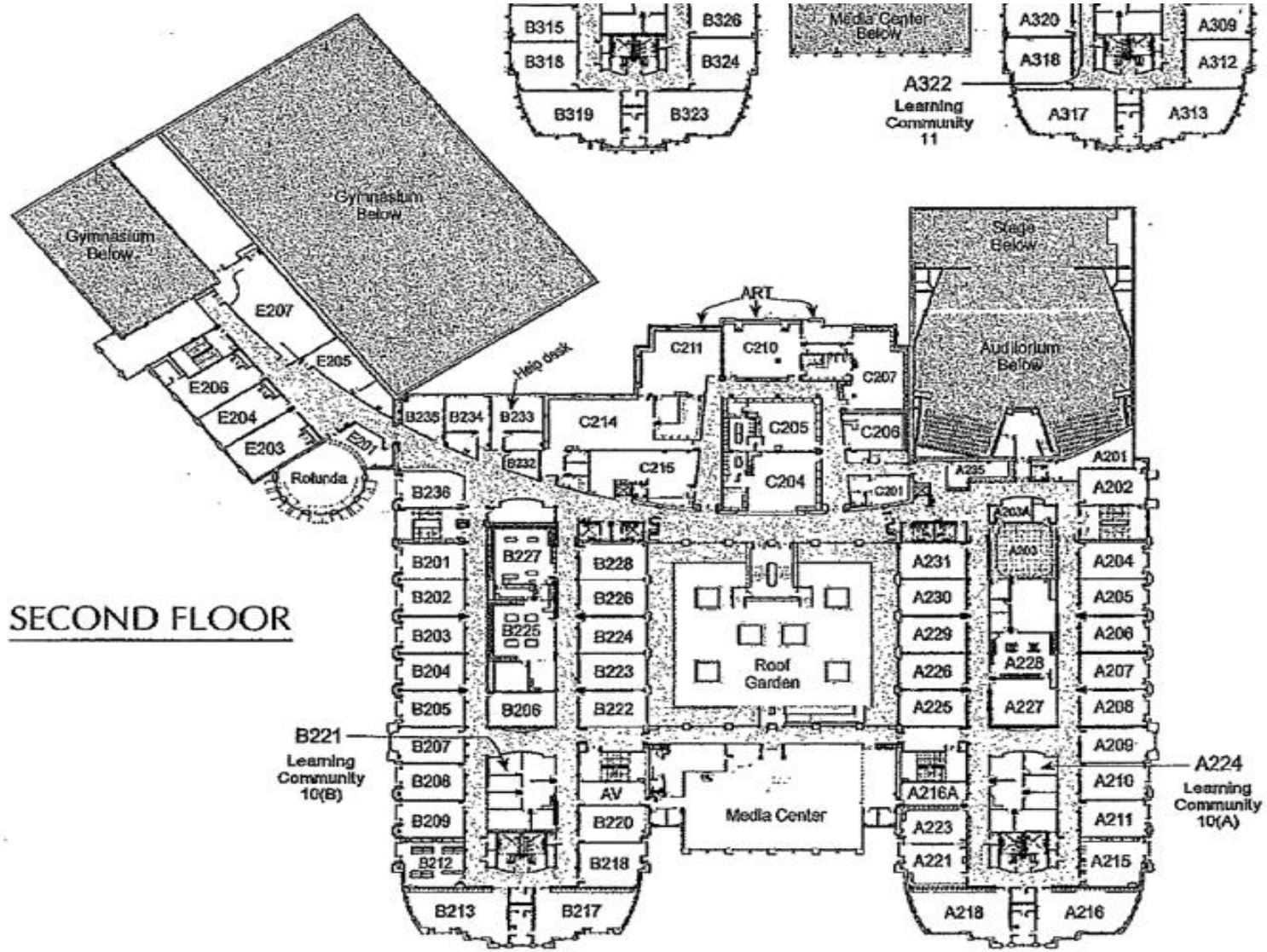
Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site 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

FIRST FLOOR



Main Gymnasium E103
Auxiliary Gymnasium E112
Athletics E114
Child Care
Boys Locker Rooms
Girls Locker Rooms
E123 Weight Room
E124 Wrestling
E130
E129
E128
E127
E126
E125
E131
E132
E133
E134
E135
E136
Loading Dock
Scene Shop
Prop Stor
Stage
D108 Band
D106
Auditorium
D101
Lobby
C110
C119 Lab
Choir C120
C109
C108
C100 Kitchen
Food Court
B101
B102
B104
B105
B108
B109
B111
B112
B113
B115
B117
B118
B119
B122
B123
B125
B127
B131
B132
B134
B135
B103
B106
B107
B110
Student Dining
C107 (Credit Union)
C106 (Store)
Registrar
Adult Education
A127
A128
A101 Black Box Theatre
A102
A104
A106
A105
A108
A109
A123
A121
A114
Dining
Vend
C105
C104
B129 Pathways to Graduation
Main Office A110
Adult Education
Shawn Thorpe
Pierrette Hall
Kathy Taylor
Peter Bates, EAP
Building Coord.
Principal
Clinic
Parent Resource
Scholarship Fund
College and Career Center
Teen Wellness


SECOND FLOOR
Gymnasium Below
Gymnasium Below
Media Center Below
Stage Below
Auditorium Below
Roof Garden
Media Center
Rotunda
Help desk
ART
AV
B221
Learning Community 10(B)
A322
Learning Community 11
A224
Learning Community 10(A)
B315
B318
B319
B326
B324
B323
A320
A318
A317
A309
A312
A313
E207
E205
E206
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C211
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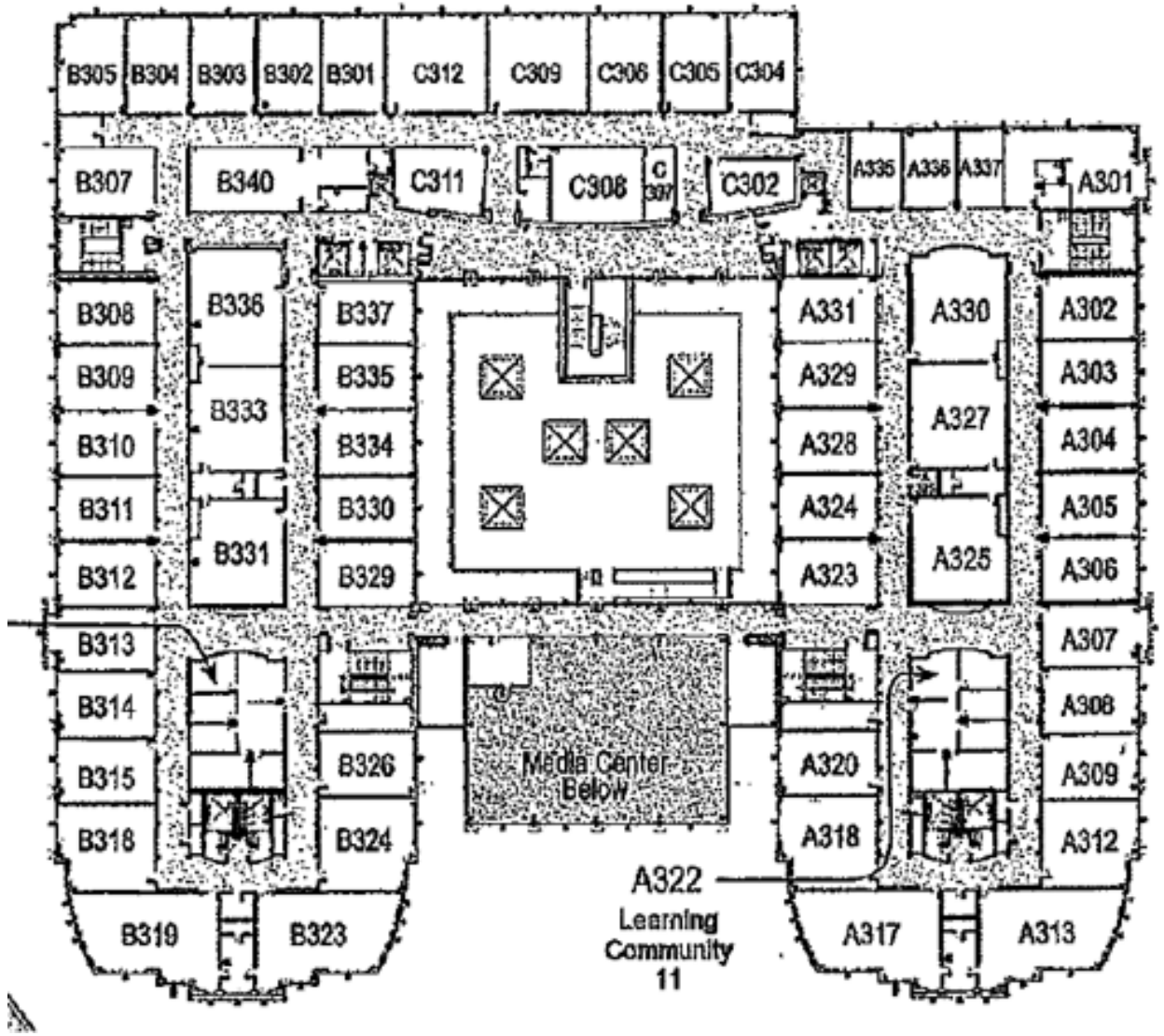
B305
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A327
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A302
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A304
A305
A306
B313
B314
B315
B318
B326
B324
Media Center
Below
A320
A318
A307
A308
A309
A312
A322
Learning
Community
11
B319
B323
A317
A313

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

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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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DPOR License Lookup build 1,524 (built 2025-04-18 11:59:26).

Appendix III: Previous Reports

AHERA ASBESTOS-CONTAINING MATERIALS SURVEY



ALEXANDRIA CITY HIGH SCHOOL

3330 KING STREET
ALEXANDRIA, VIRGINIA 22302

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 High School, 3330 King Street, Alexandria, Virginia

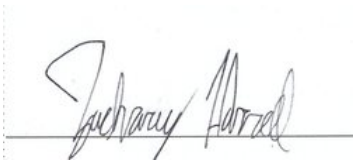
Dear Mr. Contreras:

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 High School located at 3330 King Street 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





Zach Harrell
Environmental Technician
Zharrell@ecslimited.com
571-334-3350

Michael Hamill, CIH, CSP
Senior Project Manager
MHamill@ecslimited.com
571-220-9941

EXECUTIVE SUMMARY

The subject property, Alexandria City Public Highschool is a 461,000 square foot, school building reportedly originally constructed in 2007.

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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Appendix V: AHERA ACBM and Suspect ACBM Categories Document

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1.0 SITE DESCRIPTION

The subject property consists of Alexandria City High School, formerly known as T.C. Williams High School, is a three-story brick school building located at 3330 King Street, Alexandria, Virginia. The original school building was constructed in 1965 but was demolished and a new building was constructed in 2007. 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 was unable to access occupied classrooms, select inaccessible closets, the kitchen, and the 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 February 2, 2022. 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, 2 bulk samples from homogeneous areas were submitted to the laboratory of which 4 layers were analyzed.

Summary of Non Asbestos-Containing Materials Identified

Location	Material Description	Analytical Results
Materials Sampled in 2021 AHERA Survey		
Wrestling Room	4" Cobalt Blue Cove Base and associated Mastic	Both NAD
Previously Sampled Materials		
Mechanical Room 2, 4 and Room E-134	White Bridging Mastic on Fiberglass Pipe Wrap	NAD
Mechanical Room 4 & Room B-237	Red Fire Stop Caulk	NAD
Mechanical Room 4	Drywall and Joint Compound	NAD
Mechanical Room 3	Drywall Wallboard	NAD
Outside Room A-213, Outside Room C-211, Outside Room E-202, Outside Concession to Gym, Outside Room E-137, & Cafeteria	Drywall and Joint Compound	NAD
Mechanical Room 3, 4, & Room B-233A	Concrete Masonry Unit (CMU) White Block Filler	NAD
Outside Mechanical Room 4 & Concession to Gym	12" x 12" White Floor Tile with Gray/Green Mottles	NAD
Outside Mechanical Room 4 & Concession to Gym	Yellow Mastic of 12" x 12" White Floor Tile with Gray/Green Mottle	NAD
Mechanical Room 4 & Outside Room C-110	12" x 12" Brown Floor Tile with Brown Mottles	NAD

Location	Material Description	Analytical Results
Mechanical Room 4 & Outside Room C-110	Yellow Mastic of 12" x 12" Brown Floor Tile with Brown Mottles	NAD
Room B-328 & Media Center	Brown Carpet Tile Mastic	NAD
3rd Floor Janitor Closet & Room A-222	2' x 2' Smooth Flat Ceiling Tile	NAD
Room B-325	White Caulk Around Janitor Sink	NAD
Room B-324 & Room A-214	12" x 12" Gray Floor Tile with Mottles	NAD
Room B-324 & Room A-214	Tan Mastic of 12" x 12" Gray Floor Tile with Mottles	NAD
Room B-324 & Room E-129	4" Blue Covebase	NAD
Room B-324 & Room E-129	Yellow Mastic of 4" Blue Covebase	NAD
Room B-324 & Room A-102	Interior White Window Caulk	NAD
Outside Room B-311 & Room C-108	12" x 12" Blue Mottle Floor Tile	NAD
Outside Room B-311 & Room C-108	Tan Mastic of 12" x 12" Blue Mottle Floor Tile	NAD
Outside Room B-305	White Compound on Ceramic Wall Tile	NAD
Room B-340 & Room C-210	Gray Sink Undercoating	NAD
Room B-340 & Room E-115	2' x 2' Fiberglass Ceiling Tile	NAD
Room C-308	4" Black Covebase	NAD
Room C-308	White Mastic of 4" Black Covebase	NAD
Outside C-310 & Hallway Outside E-202	Gray CMU Expansion Caulk	NAD
3rd Floor Stair A & 2nd Floor Stair D	Gray Stair Tread	NAD

Location	Material Description	Analytical Results
3rd Floor Stair A & 2nd Floor Stair D	Tan Mastic of Gray Stair Tread	NAD
3rd Floor Stair A & 2nd Floor Stair D	White Stair Stinger Caulk	NAD
Room A-203, Room C-205, Room E-103A, & Outside E-137	Gray Sprayed-Applied Fireproofing	NAD
Room B-224	Wall Paper on Gypsum Wall Panels	NAD
Hallway Outside D-201 & Cafeteria	12" x 12" Blue Floor Tile with Mottles (No Mastic Retrieved)	NAD
Room D-201	12" x 12" Red Mottle Floor Tile (No Mastic Retrieved)	NAD
Hallway	12" x 12" Light Gray Mottle Floor Tile and associated yellow mastic	NAD
Mechanical Room 2 (E-208)	Hard White Pipe Insulation	NAD
Room E-115	Black Sink Undercoating	NAD
Room E-121	2' x 2' Rubber Gray Floor Tile and associated yellow mastic	NAD
Outside Room E-122, E-123	Concrete Floor Expansion Caulk	NAD
Room E-125	Interior White Door Caulk	NAD
Boiler Room (Boiler 2 & 4)	Red Pipe Bridging Mastic on Metal Pipe Sleeve	NAD
Football Concession Store and Storage area	White CMU Block Filler	NAD

Notes:
NAD = No Asbestos Detected
Due to the nondestructive means of this survey, newly applied and installed flooring components and air moving equipment components were not sampled to avoid voiding warranty or damage to said systems.
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:

- **Boilers Components** in boilers (gasket, fire brick, etc.)
- **Elevator Components**
- **Spray on Fireproofing** and insulation present on structural components of the building
- **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
- **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

None of the bulk samples submitted to Scientific Analytical Institute, Inc. (SAI) were reported to contain detectable concentrations of asbestos. If additional suspect asbestos-containing materials are uncovered 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 an asbestos inspector in accordance with 29 CFR 1926.1101.

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

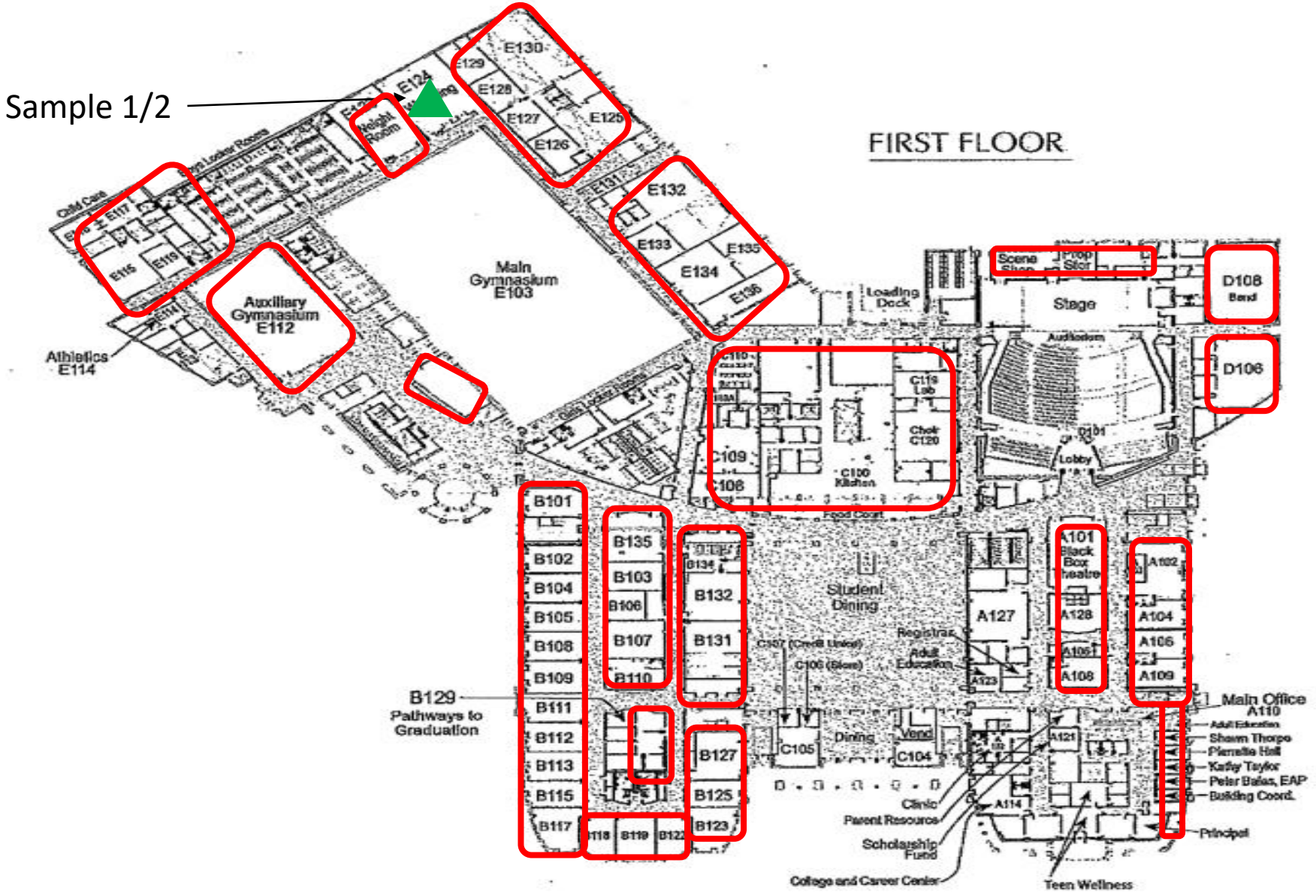
The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards 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: Drawings



Inaccessible Areas (during time of survey)

Sample Locations

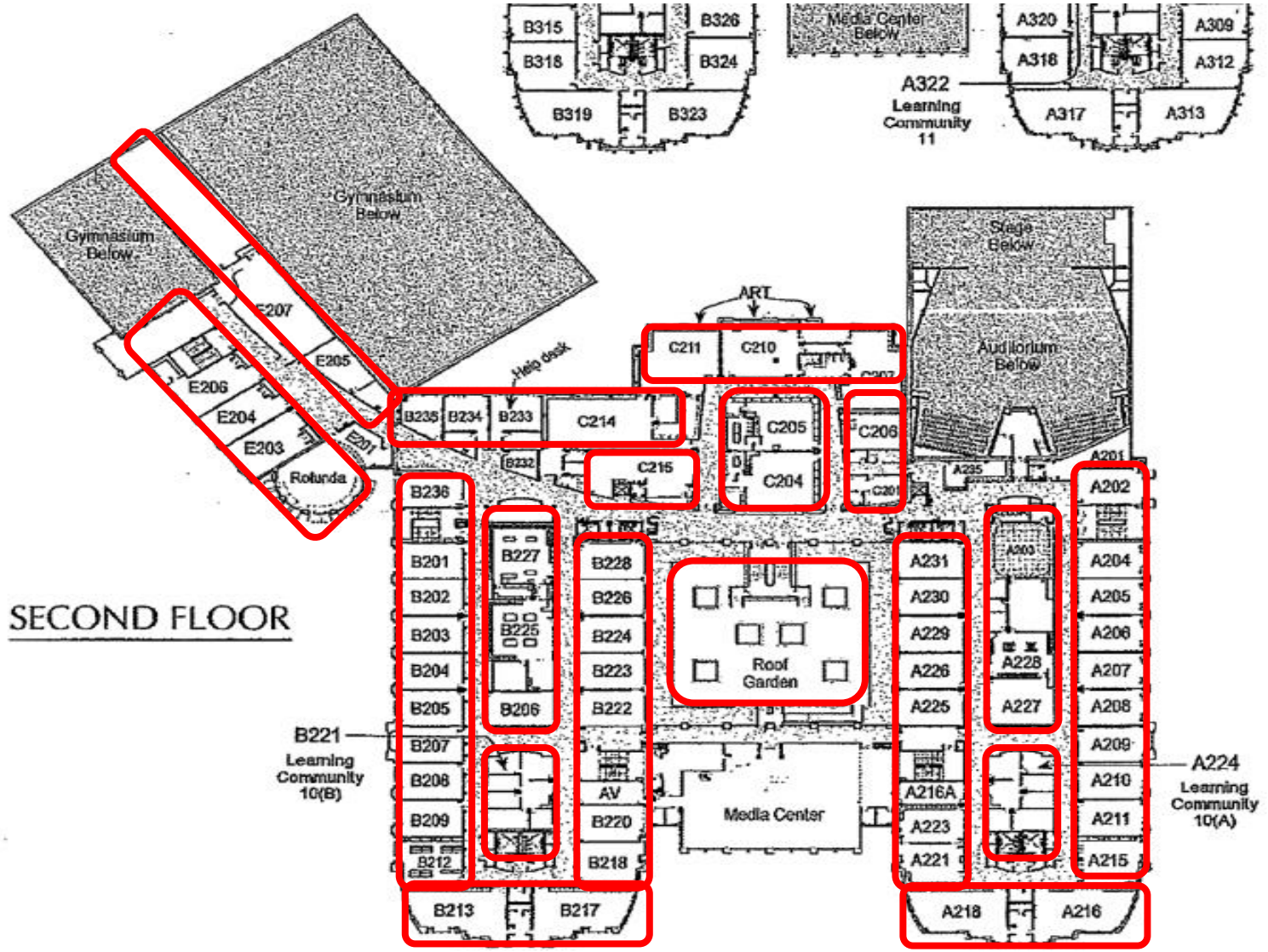
Alexandria City High School
3330 King St.,
Alexandria, Virginia, 22302

Sample Location
First Floor
Sketch

Scale: NTS

Project No.
11652-E2

Site Visit:
12/17/21



Inaccessible Areas (during time of survey)

Sample Locations

Alexandria City High School
3330 King St.,
Alexandria, Virginia, 22302

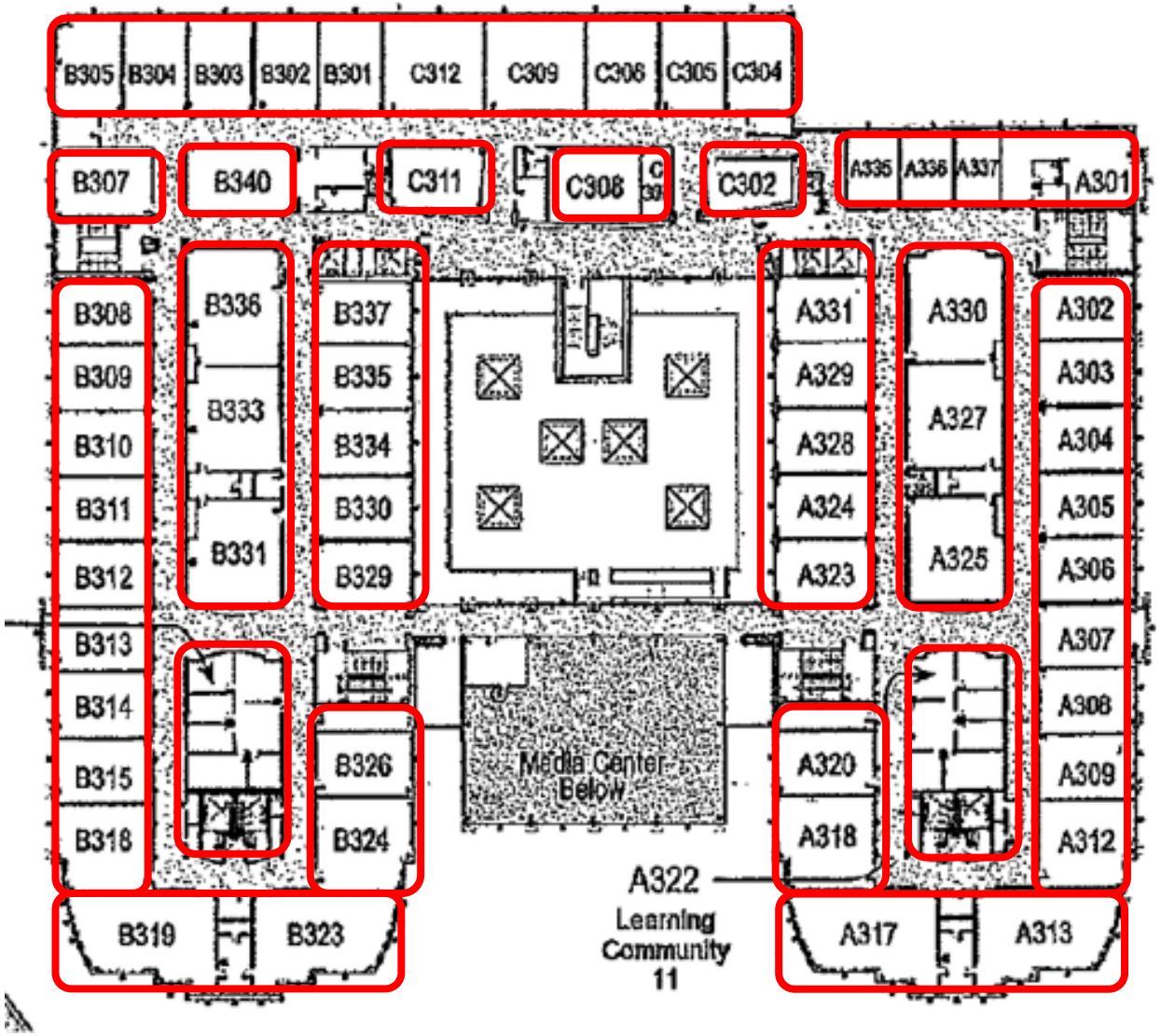
ECSI

Sample Location
Second Floor
Sketch

Scale: NTS

Project No.
11652-E2

Site Visit:
12/17/21



Inaccessible Areas (during time of survey)

Sample Locations

Alexandria City High School
3330 King St.,
Alexandria, Virginia, 22302

Sample Location
Third Floor
Sketch

Scale: NTS

Project No.
11652-E2

Site Visit:
12/17/21

Appendix II: Site Photographs



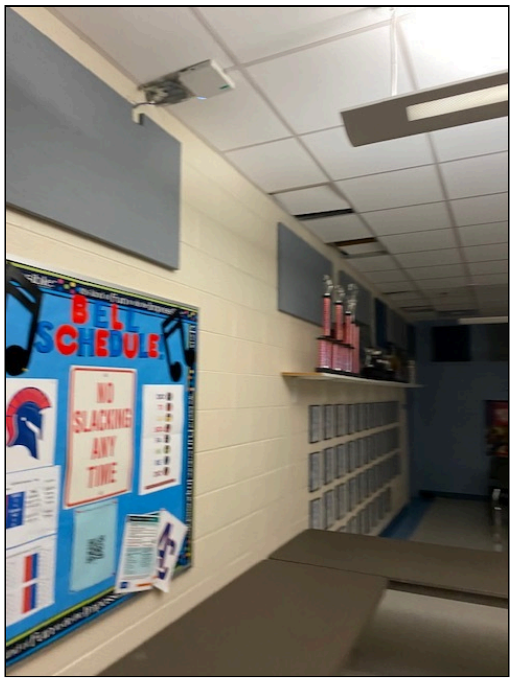
1 - View of Dance Studio



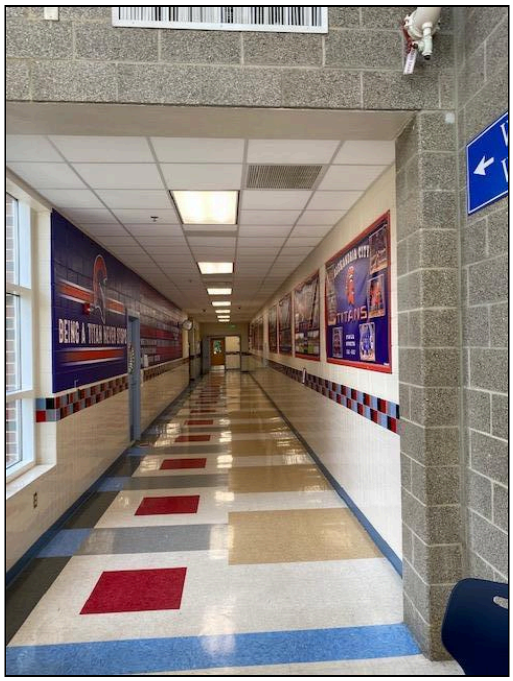
2 - View of Academy 2 Hallway



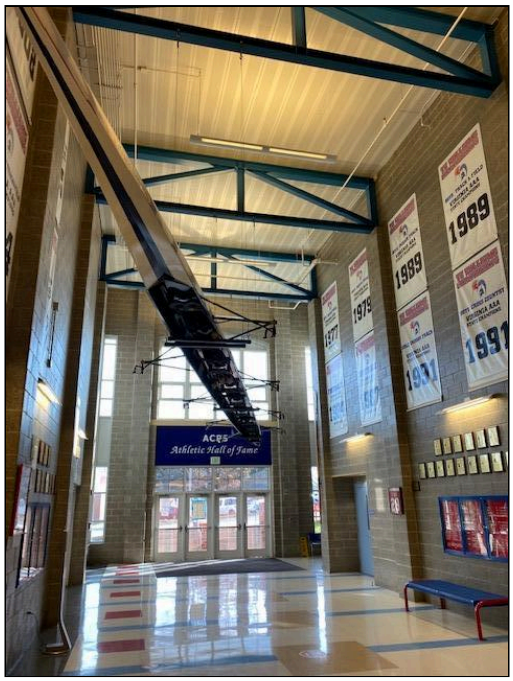
3 - View of Academy 3 Hallway



4 - View of Acoustic Panels in Music Classroom



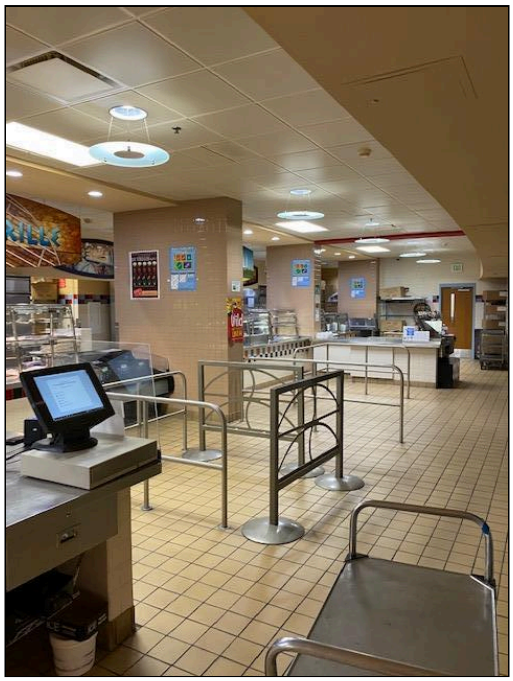
5 - View of Athletics Hallway



6 - View of Athletics Foyer



7 - View of Band and Orchestra Closet



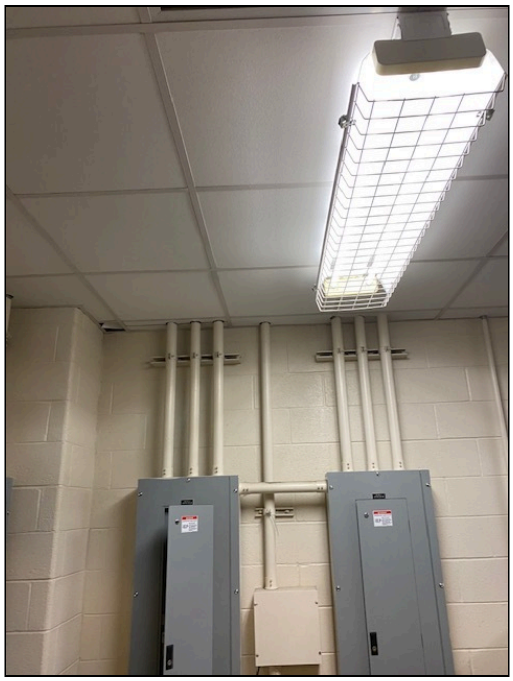
8 - View of Cafeteria Serving Area



9 - View of Concession Stand



10 - View of Custodial Closet



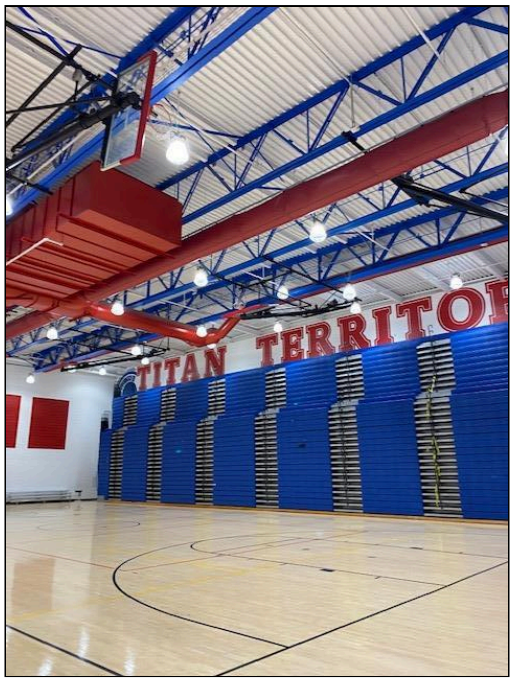
11 - View of Electric Closet



12 - View of Exit Door in Music Hallway



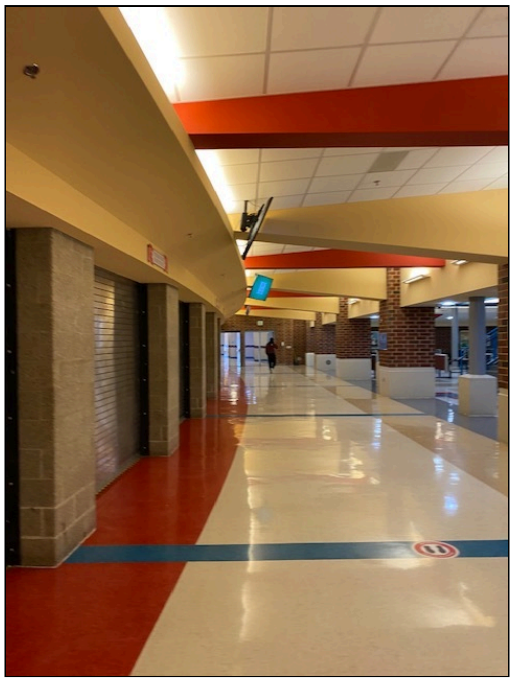
13 - View of First Floor Hallway



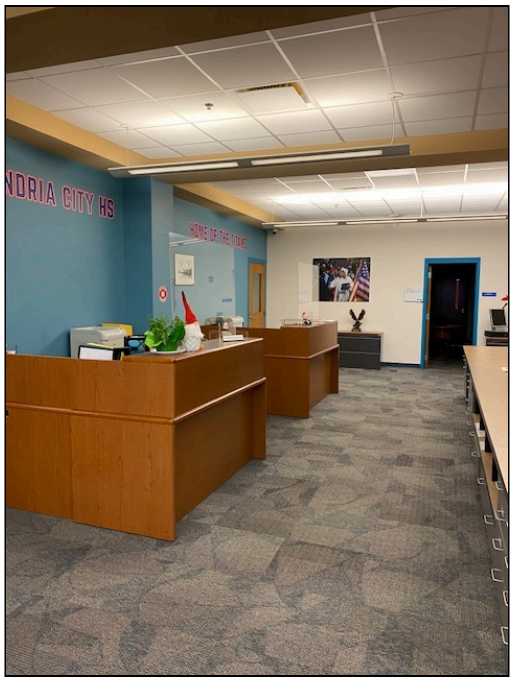
14 - View of Gym



15 - View of Main Cafeteria



16 - View of Main Cafeteria Hallway



17 - View of Main Office



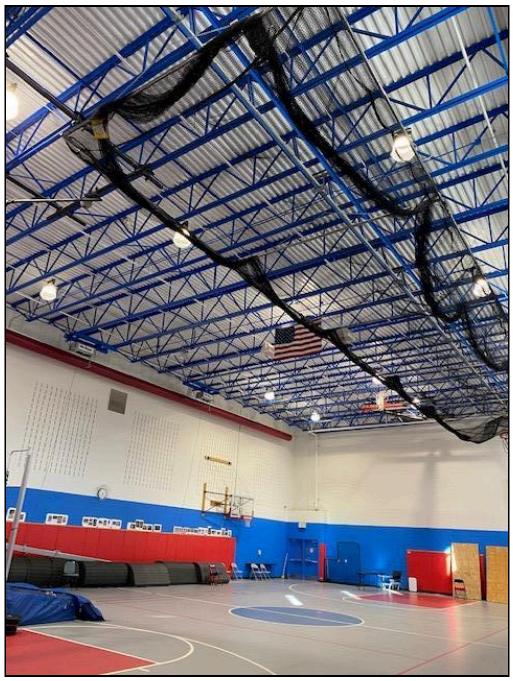
18 - View of Mechanical Room 2



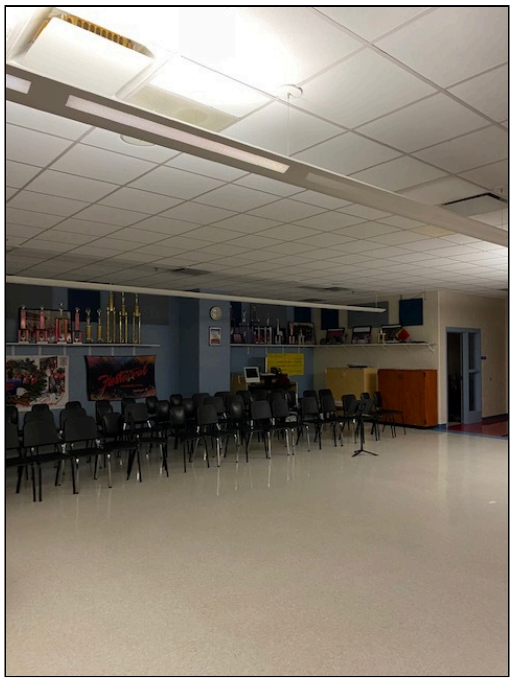
19 - View of Mechanical Room 3



20 - View of Mechanical Room



21 - View of Multipurpose Room



22 - View of Orchestra Room



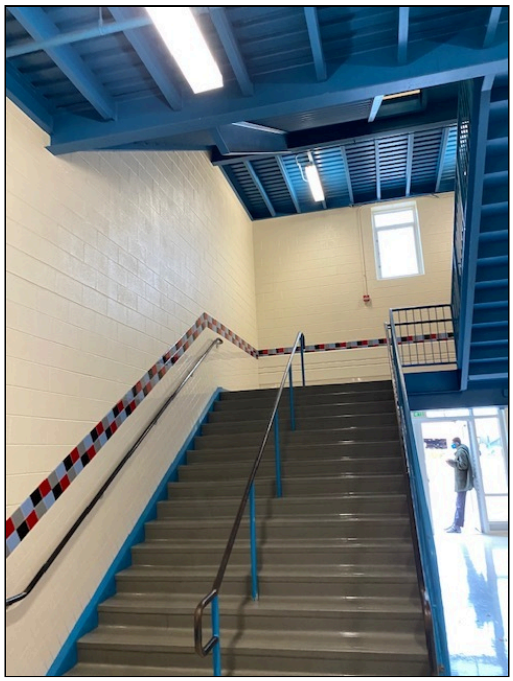
23 - View of Spray on Fireproof Ceiling in Storage Room



24 - View of stage Curtain Tag 2



25 - View of Stage Curtain Tag



26 - View of Stairwell



27 - View of Switch Gear Room

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: Michael Hamill

Project: ACPS 11652-E2/ T.C. Williams (ACHS) (12/17/21) AHERA Survey

Lab Order ID: 71984385
Analysis ID: 71984385_PLM
Date Received: 1/31/2022
Date Reported: 2/2/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
1 - A	4" cobalt blue cove base and associated tan mastic	None Detected		100% Other	Blue Non Fibrous Homogeneous
71984385PLM_1	*cove base*				Teased, Ashed
1 - B	4" cobalt blue cove base and associated tan mastic	None Detected		100% Other	Cream Non Fibrous Homogeneous
71984385PLM_3	*mastic*				Teased, Dissolved
2 - A	4" cobalt blue cove base and associated tan mastic	None Detected		100% Other	Blue Non Fibrous Homogeneous
71984385PLM_2	*cove base*				Teased, Ashed
2 - B	4" cobalt blue cove base and associated tan mastic	None Detected		100% Other	Cream Non Fibrous Homogeneous
71984385PLM_4	*mastic*				Teased, 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%.

Heather Boykin (4)

Analyst

Approved Signatory

7198 4385

Client:	ECS Mid-Atlantic, LLC	***Instructions:***
Contact:	Michael Hamill	*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:	Mhamill@ecslimited.com	***Enter samples between "<<" and ">>" Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.***
Project:	ACPS 11652-E2/ T.C. Williams (AC	
Client Notes:	**Positive Stop**	*Only Enter your data on the first sheet "Sheet1"*
P.O. #.		*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:	1/17/2022 0:00	
Analysis:	PLM EPA 600/R-93/116	
TurnAroundTime:	3 day TAT	

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		4" cobalt blue cove base and associated tan mastic	Wrestling Room
2		4" cobalt blue cove base and associated tan mastic	Wrestling Room
>>			

B Kelley 1/31 10:30A

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

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 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



TC WILLIAMS HIGH SCHOOL

3300 KING STREET
ALEXANDRIA, VIRGINIA 22302

ECS PROJECT NO. 47:1519-D

FOR

ALEXANDRIA CITY PUBLIC SCHOOLS

FEBRUARY 10, 2017

February 10, 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, TC Williams High School, 3300 King Street, Alexandria, Virginia

Dear Mr. Fulcher:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Alexandria City Public Schools with the results of the above referenced Asbestos Containing Materials (AHERA) Survey performed at TC Williams High School located at 3300 King Street 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
703-471-8400

Christopher J. Chapman, CIH
Director of Industrial Hygiene
cchapman@ecslimited.com
703-471-8400

EXECUTIVE SUMMARY

The subject property is improved with the TC Williams High School. The school consists of three-stories. The building was reportedly constructed in 2008.

Per the United States Environmental Protection Agency (US EPA) requirements, the purpose of the survey was to evaluate the building materials within the school 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 the 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 asbestos-containing materials (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 90 bulk samples were collected and a total of 108 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. Findings and recommendations for survey are provided further in the report.

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2.0 PURPOSE 1

3.0 METHODOLOGY 1

3.1 Asbestos-Containing Materials 1

4.0 RESULTS 2

4.1 Asbestos-Containing Materials 2

4.2 Suspect or Assumed Asbestos-Containing Materials 2

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS 3

5.1 Asbestos-Containing Materials 3

6.0 LIMITATIONS 3

TABLE OF APPENDICES

Appendix I: Table 1: Asbestos Bulk Sample Results

Appendix II: Photographs

Appendix III: Sample Location Drawing

Appendix IV: Laboratory Report(s)

1.0 SITE DESCRIPTION

The subject property is improved with the TC Williams High School. The school consists of three-stories and was was reportedly constructed in 2008. The building occupies various classrooms, offices, gym, auditorium, cafeteria, music rooms, storage rooms, etc.

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 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. The following represents our onsite work performed on December 27, 2016.

3.1 Asbestos-Containing Materials

The non-invasive asbestos survey was performed by asbestos inspectors (License Nos. 3303002579 and 3303003536) who have received EPA accredited training and are licensed by the Commonwealth of Virginia. 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.

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, 90 bulk representative samples were submitted to the laboratory of which 108 layers were analyzed.

Access to the former press box at the grand stands was not available. The press box is no longer utilized and demarcated for no access.

4.0 RESULTS

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

4.1 Asbestos-Containing Materials

Asbestos-Containing Material (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);
- Ceramic Wall/Floor Tile Mastics/Compounds;
- Chalkboard/Bulletin Board mastics behind chalkboards/bulletin boards;

- 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;
- 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;
- Roof Structures – roof systems;
- Soffit and materials within exterior soffit cavity at exterior locations;
- 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;

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.

ECS recommends that this report be filed as part of the facilities Operations and Maintenance Program.

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
TC WILLIAMS HIGH SCHOOL
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Sampling Location	Material/Description	Analytical Results
1	Mechanical Room 4	Gray Metal Duct Mastic	NAD
2	Mechanical Room 3	Gray Metal Duct Mastic	NAD
3	Mechanical Room 2	Gray Metal Duct Mastic	NAD
4	Mechanical Room 4	White Bridging Mastic on Fiberglass Duct Wrap	NAD
5	Mechanical Room 2	White Bridging Mastic on Fiberglass Duct Wrap	NAD
6	Mechanical Room 2	White Bridging Mastic on Fiberglass Duct Wrap	NAD
7	Mechanical Room 4	White Bridging Mastic on Fiberglass Pipe Wrap	NAD
8	Mecahnical Room 2	White Bridging Mastic on Fiberglass Pipe Wrap	NAD
9	Room E-134	White Bridging Mastic on Fiberglass Pipe Wrap	NAD
10	Mecahnical Room 4	Red Fire Stop Caulk	NAD
11	Room B-237	Red Fire Stop Caulk	NAD
12	Mechanical Room 4	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD
13	Mechanical Room 3	Drywall Wallboard	Drywall - NAD
14	Outside Room A-213	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD
15	Outside Room C-211	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD
16	Outside Room E-202	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD
17	Outside Concession to Gym	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD
18	Outside Room E-137	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD
19	Cafeteria	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD

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

TABLE 1
TC WILLIAMS HIGH SCHOOL
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Sampling Location	Material/Description	Analytical Results
20	Cafeteria	Drywall and Joint Compound	Drywall - NAD Joint Compound - NAD
21	Mechanical Room 4	CMU White Block Filler	NAD
22	Mechanical Room 3	CMU White Block Filler	NAD
23	Room B-233A	CMU White Block Filler	NAD
24 - A	Outside Mechanical Room 4	12" x 12" White Floor Tile with Gray/Green Mottles	NAD
24 - B	Outside Mechanical Room 4	Yellow Mastic of 12" x 12" White Floor Tile with Gray/Green Mottle	NAD
25 - A	Concession to Gym	12" x 12" White Floor Tile with Gray/Green Mottles	NAD
25 - B	Concession to Gym	Yellow Mastic of 12" x 12" White Floor Tile with Gray/Green Mottle	NAD
26 - A	Mechanical Room 4	12" x 12" Brown Floor Tile with Brown Mottles	NAD
26 - B	Mechanical Room 4	Yellow Mastic of 12" x 12" Brown Floor Tile with Brown Mottles	NAD
27 - A	Outside Room C-110	12" x 12" Brown Floor Tile with Brown Mottles	NAD
27 - B	Outside Room C-110	Yellow Mastic of 12" x 12" Brown Floor Tile with Brown Mottles	NAD
28	Room B-328	Brown Carpet Tile Mastic	NAD
29	Media Center	Brown Carpet Tile Mastic	NAD
30	3rd Floor Janitor Closet	2' x 2' Smooth Flat Ceiling Tile	NAD
31	Room A-222	2' x 2' Smooth Flat Ceiling Tile	NAD
32	Room B-325	White Caulk Around Janitor Sink	NAD
33	Room B-325	White Caulk Around Janitor Sink	NAD
34 - A	Room B-324	12" x 12" Gray Floor Tile with Mottles	NAD

Table Notes:
NAD = No Asbestos Detected
N/A = Sample Not Analyzed; Positive Stop
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TABLE 1
TC WILLIAMS HIGH SCHOOL
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Sampling Location	Material/Description	Analytical Results
34 - B	Room B-324	Tan Mastic of 12" x 12" Gray Floor Tile with Mottles	NAD
35 - A	Room A-214	12" x 12" Gray Floor Tile with Mottles	NAD
35 - B	Room A-214	Tan Mastic of 12" x 12" Gray Floor Tile with Mottles	NAD
36 - A	Room B-324	4" Blue Covebase	NAD
36 - B	Room B-324	Yellow Mastic of 4" Blue Covebase	NAD
37 - A	Room E-129	4" Blue Covebase	NAD
37 - B	Room E-129	Yellow Mastic of 4" Blue Covebase	NAD
38	Room B-324	Interior White Window Caulk	NAD
39	Room A-102	Interior White Window Caulk	NAD
40 - A	Outside Room B-311	12" x 12" Blue Mottle Floor Tile	NAD
40 - B	Outside Room B-311	Tan Mastic of 12" x 12" Blue Mottle Floor Tile	NAD
41 - A	Room C-108	12" x 12" Blue Mottle Floor Tile	NAD
41 - B	Room C-108	Tan Mastic of 12" x 12" Blue Mottle Floor Tile	NAD
42	Outside Room B-305	White Compound on Ceramic Wall Tile	NAD
43	Outside Room B-303	White Compound on Ceramic Wall Tile	NAD
44	Room B-340	Gray Sink Undercoating	NAD
45	Room C-210	Gray Sink Undercoating	NAD
46	Room B-340	2' x 2' Fiberglass Ceiling Tile	NAD
47	Room E-115	2' x 2' Fiberglass Ceiling Tile	NAD

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

TABLE 1
TC WILLIAMS HIGH SCHOOL
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Sampling Location	Material/Description	Analytical Results
48 - A	Room C-308	4" Black Covebase	NAD
48 - B	Room C-308	White Mastic of 4" Black Covebase	NAD
49 - A	Room C-308	4" Black Covebase	NAD
49 - B	Room C-308	White Mastic of 4" Black Covebase	NAD
50	Outside C-310	Gray CMU Expansion Caulk	NAD
51	Hallway Outside E-202	Gray CMU Expansion Caulk	NAD
52 - A	3rd Floor Stair A	Gray Stair Tread	NAD
52 - B	3rd Floor Stair A	Tan Mastic of Gray Stair Tread	NAD
53 - A	2nd Floor Stair D	Gray Stair Tread	NAD
53 - B	2nd Floor Stair D	Tan Mastic of Gray Stair Tread	NAD
54	3rd Floor Stair A	White Stair Stinger Caulk	NAD
55	2nd Floor Stair D	White Stair Stinger Caulk	NAD
56	Room A-203	Gray Sprayed-Applied Fireproofing	NAD
57	Room A-203	Gray Sprayed-Applied Fireproofing	NAD
58	Room A-203	Gray Sprayed-Applied Fireproofing	NAD
59	Room C-205	Gray Sprayed-Applied Fireproofing	NAD
60	Room E-103A	Gray Sprayed-Applied Fireproofing	NAD
61	Room E-103A	Gray Sprayed-Applied Fireproofing	NAD
62	Outside E-137	Gray Sprayed-Applied Fireproofing	NAD

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

TABLE 1
TC WILLIAMS HIGH SCHOOL
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Sampling Location	Material/Description	Analytical Results
63	Room B-224	Wall Paper on Gypsum Wall Panels	NAD
64	Room B-224	Wall Paper on Gypsum Wall Panels	NAD
65	Room B-224	Wall Paper on Gypsum Wall Panels	NAD
66	Hallway Outside D-201	12" x 12" Blue Floor Tile with Mottles (No Mastc Retreived)	NAD
67	Cafeteria	12" x 12" Blue Floor Tile with Mottles (No Mastc Retreived)	NAD
68	Room D-201	12" x 12" Red Mottle Floor Tile (No Mastc Retreived)	NAD
69	Room D-201	12" x 12" Red Mottle Floor Tile (No Mastc Retreived)	NAD
70 - A	Hallway	12" x 12" Light Gray Mottle Floor Tile	NAD
70 - B	Hallway	Yellow Mastic of 12" x 12" Light Gray Mottle Floor Tile	NAD
71 - A	Hallway	12" x 12" Light Gray Mottle Floor Tile	NAD
71 - B	Hallway	Yellow Mastic of 12" x 12" Light Gray Mottle Floor Tile	NAD
72	Mechanical Room 2 (E-208)	Hard White Pipe Insulation	NAD
73	Mechanical Room 2 (E-208)	Hard White Pipe Insulation	NAD
74	Mechanical Room 2 (E-208)	Hard White Pipe Insulation	NAD
75	Room E-115	Black Sink Undercoating	NAD
76	Room E-115	Black Sink Undercoating	NAD
77 - A	Room E-121	2' x 2' Rubber Gray Floor Tile	NAD
77 - B	Room E-121	Yellow Mastoc of 2' x 2' Rubber Gray Floor Tile	NAD
78 - A	Room E-121	2' x 2' Rubber Gray Floor Tile	NAD

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

TABLE 1
TC WILLIAMS HIGH SCHOOL
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Sampling Location	Material/Description	Analytical Results
78 - B	Room E-121	Yellow Mastoc of 2' x 2' Rubber Gray Floor Tile	NAD
79	Outside Room E-122	Concrete Floor Expansion Caulk	NAD
80	Outside Room E-123	Concrete Floor Expansion Caulk	NAD
81	Room E-125	Interior White Door Caulk	NAD
82	Room E-125	Interior White Door Caulk	NAD
83	Boiler Room (Boiler 4)	Red Pipe Bridging Mastic on Metal Pipe Sleeve	NAD
84	Boiler Room (Boiler 2)	Red Pipe Bridging Mastic on Metal Pipe Sleeve	NAD
85	Football Concession Store	White CMU Block Filler	NAD
86	Football Concession Store	White CMU Block Filler	NAD
87	Football Concession Store	White CMU Block Filler	NAD
88	Concession Stand Storage	White CMU Block Filler	NAD
89	Concession Stand Storage	White CMU Block Filler	NAD
90	Concession Stand Storage	White CMU Block Filler	NAD

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

Appendix II: Photographs



1. View of grey duct mastic, Sample 1



2. View of white mastic on HVAP wrap, Sample 4



3. View of white bridging mastic on pipe insulation, Sample 8



4. View of red fire stop caulk, Sample 10



5. Typical view of drywall and joint compound



6. View of white block filler, Sample 21

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Site Photographs
ECS Project No. 47:1519-D
Site Visit: December 27, 2016



7. View of 12” x 12” white floor tile with gray/green mottles, Sample 24



8. View of 12” x 12” brown floor tile with mottles, Sample 26



9. View of brown carpet mastic, Sample 28



10. View of 2’ x 2’ smooth flat ceiling tile, Sample 30



11. View of white sink caulk, Sample 32



12. View of 12” x 12” gray floor tile, Sample 34

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Site Photographs
ECS Project No. 47:1519-D
Site Visit: December 27, 2016



13. View of 4” blue cove base, Sample 36 and 12” x 12” blue floor tile with mottles, Sample 40



14. View of interior white window caulk, Sample 38



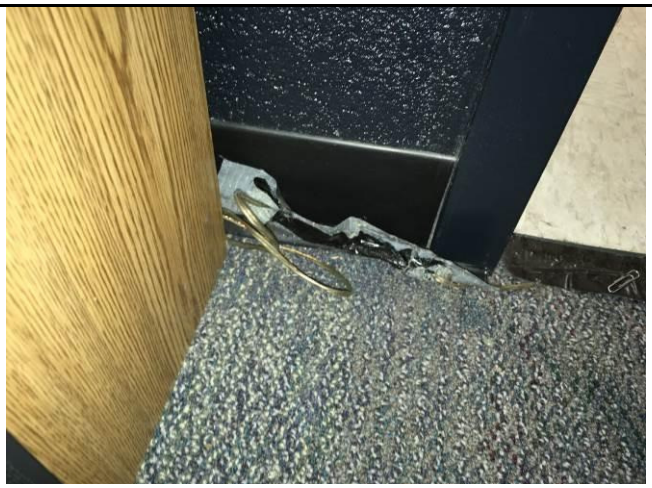
15. View of white ceramic wall tile compound, Sample 42



16. View of gray sink undercoat, Sample 44



17. View of 2’x2’ white ceiling tile, Sample 46



18. View of 4” black cove base, Sample 48

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19. Vie0w of gray CMU expansion caulk, Sample 5



20. Typical view of gray spray applied fireproofing, Samples 56-58



21. View of partition wall panel “paper”, Sample 63



22. View of 12”x12” blue floor tile, Sample 66



23. View of 12”x12” red floor tile, Sample 68



24. View of hard white pipe insulation, stock, Samples 72-74

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25. View of black sink undercoating, Sample 75



26. View of red pipe mastic on sleeve, Sample 83



27. View of the boiler units

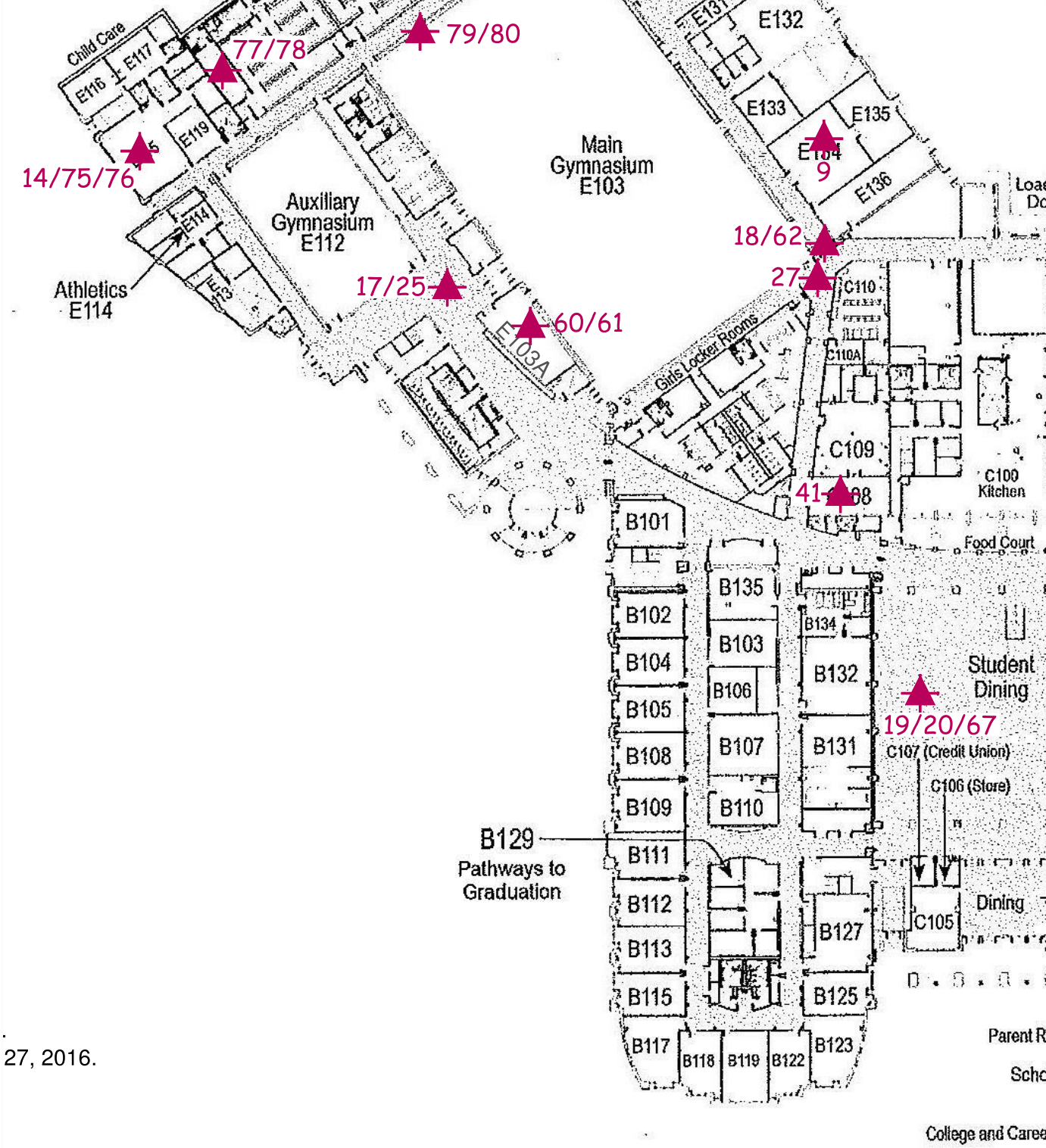


28. View of wood flooring and mirrors



29. View of the former press box, inaccessible.

Appendix III: Sample Location Drawing



General Drawing Notes:

1. Sampling Locations are estimated.
2. Site visit performed on December 27, 2016.

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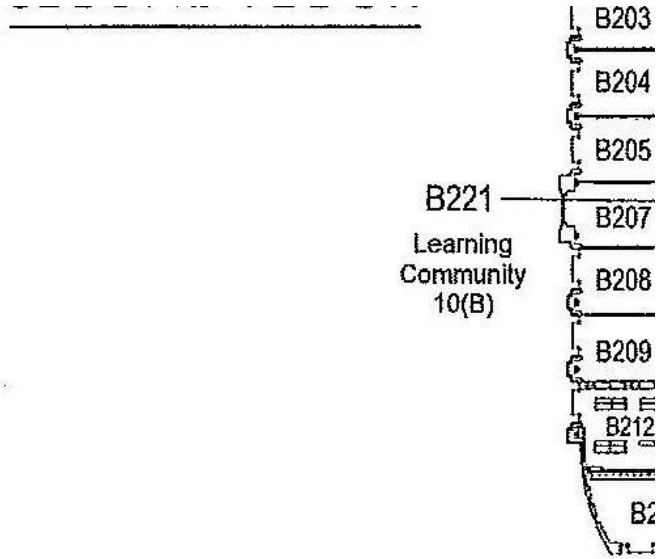
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