ADDENDUM #1
RFS 24-55-SPS: OPM SERVICES FOR SALEM HIGH SCHOOL
APRIL 12, 2024

Site Visit

On Wednesday, April 10, 2024 at 3pm, a walkthrough was held at the project site. In attendance were:

Zissis Alepakis, Director of Buildings and Grounds
Anthony P. Delaney, Chief Procurement Officer
Elizabeth Golden, Special Projects & MSBA Liaison
Mario Sousa, Career and Technical Education Director

Deborah Marai, Anser Advisory
Margaret Wood, Anser Advisory
Suresh Bhatia, Atlantic Construction & Management
Michael Kmak, CannonDesign
Paul Mills, CannonDesign
Christina Opper, CHA Solutions
Jake Zelikman, CHA Solutions
Jess Farber, CMTA
Deborah Faith, Colliers Project Leaders
Jason Cheney, CSL Consulting
Trevor Fuce, Hill LiRo
Andy Vo, Hill LiRo
Alicia Crothers, HMFH Architects
Robert Williams, HMFH Architects
Joan Meenan, Jonathan Levi Architects
Tom Ellis, Jones Lang LaSalle
Eileena Long, LeftField Project Management
Jay Faxon, LeftField Project Management
Brendon Duffy, MDS Architects
Kevin Nigro, PMA Consultants
Christy Murray, Skanska USA
Mary Ann Williams, Skanska USA
Sarah Traniello, SMMA
Scott Conover, Turner & Townsend Heery
Brian Hromadka, Turner & Townsend Heery
Mark Stafford, Turner & Townsend Heery
Chris Tremblay, Turner & Townsend Heery
Michael Bonfatti, Vertex

Questions and Answers

1. What is the building's current status regarding ADA compliance?

   Please see the City's ADA Transition Plan at https://www.salemma.gov/adaplan, which includes the schools.

2. What is the building's current status regarding asbestos?

   Please see the attached "AHERA 3-year Re-inspection and Management Plan Update" prepared by a consultant in October 2023.

3. Has the Owner identified any alternative building sites?

   No.

4. Has the Owner identified possible swing space?

   Swing space may be found in other schools in the district but will be limited and will require displacing other students. The Horace Mann Laboratory School at 79 Willson Street is one candidate. The Owner has not had any formal discussion about swing space for the project and expects that conversation to be part of the feasibility study process.

5. Can the owner make current floor plans or blueprints available?

   No.

6. If the reply cannot surpass 20 single-sided numbered pages, does that correspond to 10 double-sided pages for printing purposes?

   Yes.

7. Should the supplementary graphic materials, restricted to 3 double-sided 8.5"x11" pages, be indicated within the response or placed in appendices?

   It does not matter. Note that the supplementary graphic material is not included in the 20-page response limit.

8. Do the cover page, table of contents, cover sheets, and appendices contribute to the 20-page limit?

   Yes.

9. May respondents use the Additional Information pages that are part of Attachment C, or must all responses be within the 20 page limit?

   Respondents may use the Additional Information pages, but note that per Section 6.2 of the RFS, Attachment C, including its Additional Information, is included in the 20-page limit.

There are no changes to the RFS. Any responses already submitted before the addendum will be accepted unless specifically withdrawn by the bidder.

ATTACHMENT F

efi global

BOSTON NORTH

October 5, 2023

Mr. Zissis Alepakis
Director of Buildings & Grounds
Salem Public Schools
29 Highland Avenue
Salem, Massachusetts 01970

via email: zalepakis@salemk12.org

RE: **AHERA 3-Year Reinspection & Management Plan Update**
Salem High School
77 Willson Street, Salem, Massachusetts
EFI Project No. 014.06914

Dear Mr. Alepakis:

EFI Global Inc. (EFI) is pleased to present this AHERA 3-Year Re-inspection and Management Plan Update prepared for the Salem High School, located at 77 Wilson Street, in Salem, Massachusetts (Site). The re-inspection site visit was conducted on September 1, 2023, and the corresponding report was completed in accordance with the United States Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) regulations (40 CFR 763) and the Massachusetts Department of Labor Standards (MassDLS) asbestos regulations (454 CMR 28.13).

EFI relied upon Woodward and Currans previous 2022 AHERA 3-Year Re-inspection Report and the EFI Limited Pre-Renovation Asbestos Survey Report dated April 21, 2022, in preparing this Management Plan Update.

EFI is pleased to provide environmental consulting services to Salem Public Schools. This report should be kept on file with the school's AHERA records. If you have any questions regarding the contents of this report, or are in need of additional information, please contact either of the undersigned at (800) 659-1202. Thank you for the opportunity to serve your environmental needs.

Sincerely,
EFI Global, Inc.

Michael McCarter
Senior Project Manager
MA Asbestos Management Planner #AP 035661

Robert Thomson
Project Manager
MA Asbestos Inspector # AI 031431

AHERA 3-YEAR RE-INSPECTION and MANAGEMENT PLAN UPDATE

FOR:
THE SALEM HIGH SCHOOL
77 WILLSON STREET
SALEM, MASSACHUSETTS

PREPARED BY:

efi global
BOSTON NORTH

155 WEST STREET, SUITE 6
WILMINGTON, MASSACHUSETTS 01887

EFI PROJECT NUMBER 014.06914

October 5, 2023

TABLE OF CONTENTS

INTRODUCTION

EFI Global, Inc. (EFI) was retained by The Salem Public Schools to perform an AHERA 3-Year Reinspection of the Salem High School in accordance with United States Environmental Protection (USEPA) Asbestos Hazard Emergency Response Act (AHERA) asbestos regulations (40 CFR 763) and Massachusetts Department of Labor Standards (MassDLS) asbestos regulations (454 CMR 28.13). The AHERA regulation, commonly known as the "Asbestos in Schools Rule," requires that primary and secondary schools (K-12) be inspected initially for the presence of asbestos-containing building materials (ACMs) and re-inspected every three years for any changes in the condition of assumed and confirmed ACM. The MassDLS regulation have requirements that are in addition to the requirements for schools subject to AHERA. As required by the MassDLS regulations and where applicable, the term Asbestos Containing Material (ACM) referenced in this report replaces the term Asbestos Containing Building Material (ACBM) as referenced in the AHERA regulations.

EFI conducted an AHERA 3-Year Reinspection at The Salem High School, which involved determining the condition and hazard potential of previously identified ACMs. EFI relied upon Woodward and Currans previous 2022 AHERA 3-Year Re-inspection Report and the EFI Limited Pre-Renovation Asbestos Survey Report dated April 21, 2022, in preparing this Management Plan Update. The AHERA 3-Year Reinspection was conducted on September 1, 2023, by Mr. Robert Thomson, and John Vaz EPA accredited, and Massachusetts Department of Labor Standards (MassDLS) licensed Asbestos Inspectors, (license No. AI031431 and AI000270) and response actions were made by MassDLS-licensed Asbestos Management Planner Mr. Michael McCarter (license No. AP035661).

The Designated Person for The Salem High School is Mr. Zissis Alepakis, who provided EFI with AHERA documentation for review. Mr. Alepakis contact information is:

Director of Buildings & Grounds
Salem Public Schools
29 Highland Avenue
Salem, Massachusetts 01970
zalepakis@salemk12.org

AHERA 3-YEAR RE-INSPECTION

A. AHERA Records Review

As part of this AHERA 3-Year Re-inspection, EFI reviewed available AHERA records for The Salem High Schooll, in accordance with 454 CMR 28.13(5)(f). A summary of records reviewed is provided in the table below.

Review of AHERA Documentation The Salem High School 77 Willson Street, Salem, Massachusetts		
Document/Record	**Present?**	**Comment**
Asbestos Management Plan (on hand at school and available for review)	Yes	Present
Designated Person Training Records	No	Designated Person Training Records not present. Designated Person should receive formal designated person training or review the Designated Person Self Study Guide (available at https://www.epa.gov/sites/default/files/2015-01/documents/dp_study_guide_0.pdf).
Custodial Personnel 2-hour Awareness Training Records	No	No records available for review following the 2022 reinspection. Documentation of course completion should be located and kept on file with the AHERA records for noted attendees.
Annual Parental Notification Records	No	Parental notification letters following the 2022 reinspection were not available for review. Annual notification letters should be sent, and copies kept on file with the AHERA records.
Abatement/Response Action Records (includes abatement, special cleaning activities & small-scale short duration activities and associated monitoring reports and work plans)	No	No records available for review following the 2022 reinspection. If additional response actions were conducted, records of response actions should be kept on file with the AHERA records.
Designated Person True and Correct Statement	No	No records available for review following the 2022 reinspection.
6-month Surveillance Inspection Records	No	No records available for review following the 2022 reinspection.
Previous 3-year Reinspection Records	Yes	Present
Asbestos Labels present (required in routine maintenance areas)	No	No labeling observed. Labels should be placed immediately adjacent to ACM present in routine maintenance areas (i.e., boiler rooms, utility closets, etc.).

B. ACM Application Types

ACMs are divided into the following application types:

Thermal system insulation (TSI): Insulation applied to mechanical, heating, and cooling systems such as pipes, boilers, flue breechings, ducts, tanks and fittings.

Surfacing Materials: Material that is spray-applied or trowel-applied to walls, ceilings or structural components (i.e. plasters, acoustical finishes and fireproofing).

Miscellaneous Materials: All other asbestos materials, including but not limited to floor tiles and mastic, ceiling tiles, vinyl cove base and mastic, gypsum board and joint compound, and asbestos-cement board, etc.

C. ACM Assessment Criteria

The assessment is divided into two categories - the physical assessment and the hazard potential assessment.

Physical Assessment

The physical assessment is divided into the following seven categories and describes the material condition at the time of the inspection:

Physical Condition #1 - Damaged or significantly damaged thermal insulation.
Physical Condition #2 - Damaged friable surfacing ACM.
Physical Condition #3 - Significantly damaged friable surfacing ACM.
Physical Condition #4 - Damaged or significantly damaged miscellaneous ACM.
Physical Condition #5 - ACM with potential for damage.
Physical Condition #6 - ACM with potential for significant damage.
Physical Condition #7 - Any remaining friable ACM or friable suspected ACM.

Hazard Assessment

The hazard assessment is a combination of the physical assessment combined with the potential for disturbance (i.e., physical contact, vibration air movement) as follows:

Hazard Rank #1 – Good condition/Low potential for disturbance
Hazard Rank #2 – Good condition/ Moderate potential for disturbance
Hazard Rank #3 – Good condition/ High potential for disturbance
Hazard Rank #4 – Damaged condition/Low potential for disturbance
Hazard Rank #5 – Damaged condition/Moderate potential for disturbance
Hazard Rank #6 – Damaged condition/High potential for disturbance
Hazard Rank #7 – Significantly damaged condition

The following is the Assessment Criteria used during the inspection:

1. Homogeneous Areas (An area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in size, color and texture and was applied at approximately the same time) were quantified by location and assessed by condition. Materials are listed as friable or non-friable. Note: friable materials are materials that can be crushed and pulverized to dust by hand pressure. A general condition description for suspect materials used in this inspection is as follows:

    a. Damaged Surfacing ACM: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over more than 1% but less than 10 % of the total surface area if the damage is evenly distributed or less than 25%, if the damage is localized in one area of the homogeneous area.

    b. Significantly Damaged ACM: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over at least 10% of the surface area if the damage is evenly distributed or at least 25% if the damaged is localized.

    c. Good Condition ACM: ACM with no visible damage or deterioration in less than one percent of the material and/or coverings.

    d. ACM with potential for damage: Pertains to circumstances in which:

        i. Friable ACM is in an area regularly used by building occupants, including maintenance workers, currently in intact (good) condition.

        ii. 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 O&M practices, changes in occupancy or recurrent damage.

    Note: All ACM in good condition is still considered to have a potential for damage, and in certain instances, has the potential for significant damage.

    e. ACM with potential for significant damage: Pertains to circumstances in which:

        i. Friable ACM is in an area regularly used by building occupants, including maintenance personnel.

        ii. Indications show 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 O&M practices, changes in occupancy or re-occurring damage.

        iii. 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.

D. Response Actions – General Recommendations

Specific response actions for each known and assumed ACM located at The Waldorf School are provided in **Attachment A** below. The following are general recommendations for response actions associated with managing ACMs at the school.

1. Damaged materials in the school should be repaired, if feasible, or removed in order to maintain compliance with the AHERA regulations. Damaged ABMs of any quantity listed in the report should be repaired or removed by a Massachusetts licensed asbestos abatement contractor following all applicable regulations, in accordance with a work plan design, and final clearance air testing performed in accordance with the AHERA regulations. It is the policy of The Waldorf School to use licensed asbestos contractors for all response action work.

2. AHERA regulations state that the response actions chosen for other than small scale/short duration repairs (less than 3 square or linear feet), must be designed and conducted by persons accredited to design and conduct response actions. Massachusetts DLS Regulation 454 CMR 28.00 requires the services of licensed Project Designers who meet the requirements set forth in 454 CMR 28.00, as well as Massachusetts licensed Asbestos Contractors.

3. Damaged ACMs that involve small scale/short duration repairs can only be conducted by 16-hour asbestos-trained personnel or by a licensed asbestos abatement contractor.

4. Each ACM should be monitored for any changes in condition during the six-month periodic surveillance.

5. If known or suspect ACMs are to be impacted by planned renovation or demolition activities, the ACM must be removed by a Massachusetts licensed Asbestos Contractor. Note that AHERA inspections do not meet the EPA NESHAP and MassDEP requirements for a comprehensive pre-renovation or demolition survey. Prior to any planned renovation or demolition project, all renovation/demolition areas must be thoroughly surveyed to meet the requirements of MassDEP 310 CMR 7.15(4) Survey Requirements. LEA Designated Persons should make sure that pre-renovation/demolition surveys are performed in each instance that ACM may be disturbed.

E. AHERA Licensing & Training Documentation

The AHERA 3-Year Reinspection report for The Waldorf School was performed by the following individuals who have received appropriate training and who are Massachusetts DLS licensed personnel:

Sincerely,
EFI Global, Inc.

Michael McCarter
Senior Project Manager
MA Asbestos Management Planner #AP 035661

Robert Thomson
Project Manager
MA Asbestos Inspector # AI 031431

F. Asbestos Bulk Sampling

Asbestos bulk samples were not collected as part of this 3-Year Reinspection as requested by the Salem High School. EFI relied on the most recent 2022 3-Year Reinspection report prepared by Woodward and Curran and the EFI Limited Pre-Renovation Asbestos Survey Report dated April 21, 2022, for this project.

G. ACM Hazard Assessment & Recommended Response Actions

Accessible locations were inspected and assessed to determine the presence and condition of ACM. A Summary Table of known and assumed ACMs present at the school, the physical and hazard assessments and the recommended response action for each ACM, is presented in **Attachment A**. It should be noted that EFI did not conduct destructive evaluations of the school building to identify suspect ACM. Per USEPA and Massachusetts Department of Environmental Protection (DEP) asbestos regulations, a "path of construction" survey should be conducted prior to any renovation or repair activities that may impact suspect ACM, regardless of the date of installation.

H. Cost Estimate and Schedule for Recommended Response Actions

The confirmed and assumed ACMs outlined in the summary table in **Attachment A** that were in good condition at the time of the assessment must be maintained in place in accordance with the Operations and Maintenance Plan. Estimated costs associated with managing ACMs at the school are summarized below.

Cost Estimate of AHERA Considerations The Salem High School 77 Willson Street, Salem, Massachusetts	
Training Costs	
Item	**Approximate Cost**
2-hour asbestos awareness training (New Hires, within 60 days of hire)	$250/person x 10/estimate
Designated Person Training	$250
Maintenance Costs	
Item	**Approximate Cost**
Asbestos labeling (Place/maintain labels adjacent to ACM in routine maintenance areas)	$500
6-month surveillance inspections (Per schedule below)	$100/event
3-year re-inspection (Per schedule below)	$4,000
Response Action Costs	
Item	**Approximate Cost**
Homogeneous Area # 3 and 4 – Non-friable floor tile/mastic – Repair damage	$15,000
Homogeneous Area # 6 – 2' x 4'ceiling tile - Implement administrative procedures, collect bulk samples to determine ACM, repair damage assuming material is ACM	$2,000
Homogeneous Area # 8 – 2' x 4 ceiling tile - Implement administrative procedures, collect bulk samples to determine ACM, repair damage assuming material is ACM	$2,000

Homogeneous Area # 10 – Window glazing - Repair damage	$350
Homogeneous Area # 11 – Implement administrative procedures and repair damaged material	$1,500
Homogeneous Area # 25 and 26 – CMU wall to CIP spandrel caulking – Repair damage	$1,000
Homogeneous Area # 38 – Metal column to CMU wall caulking – Repair damage	$2,000
Homogeneous Area # 43 – Portico plaster ceiling – Repair damage as assumed ACM and/or collect bulk samples to determine asbestos content	$750
Homogeneous Area # 45 – Rubber floor adhesive – cover exposed mastic with rubber floor and/or collect bulk samples to determine asbestos content	$750
Estimated Response Actions Total Cost	**$32,700**

A proposed schedule of events between this AHERA 3-Year Reinspection and the 2026 AHERA 3-Year reinspection is provided for your use:

Schedule of AHERA-Related Actions The Salem High School 77 Willson Street, Salem, Massachusetts	
Event	**Completion Date**
Annual parental notification letter	December 31, 2023
Damaged ceiling tiles (Homogeneous areas # 06 and 8). Implement administrative procedures and O&M activities to prevent further disturbance.	December 31, 2023
Damaged joint compound (Homogeneous Area # 11). Implement administrative procedures and O&M activities to prevent further disturbance.	December 31, 2023
6 Month surveillance inspection	February 29, 2024
Repair damaged non-friable materials (Homogeneous Areas # 03, 04, 05, 10, 25, 26, 38, 43, 45)	August 31, 2024
6 Month surveillance inspection	August 31, 2024
Annual parental notification letter	December 31, 2024
6 Month surveillance inspection	February 29, 2025
6 Month surveillance inspection	August 31, 2025
Annual parental notification letter	December 31, 2025
6 Month surveillance inspection	February 29, 2026
AHERA 3-Year Reinspection	August 31, 2026

ATTACHMENT A

AHERA SUMMARY TABLE

TABLE 3: RE-INSPECTION RESULTS AND RECOMMENDED RESPONSE ACTION
Salem High School, Salem, Massachusetts
77 Willson Street
Date of Inspection: September 1, 2023

Homogenous Material Number	Material Description	Functional Space	Quantity	Sampled	Friability F/NF	Physical Assessment Category	Condition	Hazard Potential	Recommended Response Actions/Notes	Recommended Completion Date
01	1'x1' Square spline ceiling tiles with deep fissures	Basement- room 091; room 87; basement rooms 056, 057, 058; basement hallway (adjacent 087, 057, and gym [old construction]); boys locker room & team rooms; girls locker room; library 1st floor; main office 158; 158G; 158C; 158 D-F; bathrooms in main office (2); director 162A, 158A, 158B; hallway 5 near art room; stage storage; room 183; stair 15; room 171 / 172; art room; 2nd floor hallway (not addition); room 285; room 282 / 283; storage 280, 281; storage 279; 2nd floor patio; practice music rooms; school store 250; 1st floor hallway between art room and library; 2nd floor hallway between art room and library	88,275 SF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
02	1'x2' Vinyl wood colored floor tile and associated adhesive	Library 3rd floor; 3rd floor suite rooms (356-361)	8,054 SF	Yes- no asbestos detected in tile and/or adhesive	N/A	N/A	N/A	N/A	N/A	
03	12" Floor tiles (various colors and patterns)	137 A-F; 158C; 158H; 1st floor hallway between art and library; 2nd floor hallway (not addition); 2nd floor hallway between art and library; 2nd floor Patio; 3rd floor projectors behind auditorium; art; auditorium; basement – hallway (adjacent 087, 057, and gym [old construction]); basement – 087; basement – 091 storage closet; basement – 091; basement 018; basements 056, 057, 058; cafeteria 143; cafeteria 243; cafeteria 343; conference 153 and librarian office; director 162A, 158 A, 158B; entry way – 1st floor; hallway #6 (between 170 and 178); hallway 1st floor – new construction; hallway 2nd floor – new construction; hallway 3rd floor - new construction; hallway 5 near art; hallway outside Library on 3rd floor; Health Suite 123; Librarian work; Library 1st floor; M309; main office 158; Practice music s; 101; 102; 103; 104; 105; 106; 107; 108 A-H; 109; 110; 111; 117; 118; 124; 119; 120; 121; 122 IDF; 125 Bath; 125; 128; 129; 130; 131; 132; 133; 141; 134; 135; 136; 139; 140; 152; 171 / 172; 178; 201, 202, 203, 204; 205, 211; 206, 207, 209, 210; 208A-G, 223 A-G; 217, 218, 224; 219; 225, 226; 228; 229, 330; 232; 233, 241; 234, 235, 236, 239, 240; 237 A-F; 282 / 283; 285; 301, 302, 303, 304; 307, 308, 309, 310; 308 A-G; 317, 318, 324; 325, 326; 327; 328, 329, 330, 332; 333, 341; 334, 335, 339, 340; 349 A-E; 352 & 354 storage closet in library; school store 250; stage storage; stair 2; Storage 279; teacher's lounge 142; teacher's lounge 242; teachers' lounge 342; teacher's lounge 227; tel / data 156	217,585 SF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Damaged	5	Floor tiles appeared to be maintained with a layer of protective wax. Damaged floor tiles are intact with minor chips, cracks or are missing in the following locations: Basement - room 073, room 091, room 087, hallway (adjacent 087, 057, and gym [old construction]) 1st floor - room 119, Tel / data 156, main office 158, room 169, hallway between art room and library, hallway #6 (between 170 and 178), room 185 2nd floor - room 233, 241, hallway between art room and library 3rd floor - hallway outside library Remove damaged floor tiles and replace with non-asbestos flooring. Manage material in place under the O&M Plan. Vinyl flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Vinyl flooring materials should be waxed annually.	Remove/repair damaged floor tiles as soon as feasible and complete prior to September 2024.

TABLE 3: RE-INSPECTION RESULTS AND RECOMMENDED RESPONSE ACTION
Salem High School, Salem, Massachusetts
77 Willson Street
Date of Inspection: September 1, 2023

Homogenous Material Number	Material Description	Functional Space	Quantity	Sampled	Friability F/NF	Physical Assessment Category	Condition	Hazard Potential	Recommended Response Actions/Notes	Recommended Completion Date
04	Black adhesive associated with 12" floor tiles	137 A-F; 158C; 158H; 1st floor hallway between art and library; 2nd floor hallway (not addition); 2nd floor hallway between art and library; 2nd floor Patio; 3rd floor projectors behind auditorium; art; auditorium; basement – hallway (adjacent 087, 057, and gym [old construction]); basement – 087; basement – 091 storage closet; basement – 091; basement 018; basements 056, 057, 058; cafeteria 143; cafeteria 243; cafeteria 343; conference 153 and librarian office; director 162A, 158 A, 158B; entry way – 1st floor; hallway #6 (between 170 and 178); hallway 1st floor – new construction; hallway 2nd floor – new construction; hallway 3rd floor - new construction; hallway 5 near art; hallway outside Library on 3rd floor; Health Suite 123; Librarian work; Library 1st floor; M309; main office 158; Practice music s; 101; 102; 103; 104; 105; 106; 107; 108 A-H; 109; 110; 111; 117; 118; 124; 119; 120; 121; 122 IDF; 125 Bath; 125; 128; 129; 130; 131; 132; 133; 141; 134; 135; 136; 139; 140; 152; 171 / 172; 178; 201, 202, 203, 204; 205, 211; 206, 207, 209, 210; 208A-G, 223 A-G; 217, 218, 224; 219; 225, 226; 228; 229, 330; 232; 233, 241; 234, 235, 236, 239, 240; 237 A-F; 282 / 283; 285; 301, 302, 303, 304; 307, 308, 309, 310; 308 A-G; 317, 318, 324; 325, 326; 327; 328, 329, 330, 332; 333, 341; 334, 335, 339, 340; 349 A-E; 352 & 354 storage closet in library; school store 250; stage storage; stair 2; Storage 279; teacher's lounge 142; teacher's lounge 242; teachers' lounge 342; teacher's lounge 227; tel / data 156	223,985 SF	Yes- 10% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Damaged	4	Floor tile/exposed mastic appeared to be maintained with a layer of protective wax. Mastic is exposed where tiles are chipped, cracked, or are missing in the following locations: Basement - room 073, room 091, room 087, hallway (adjacent 087, 057, and gym [old construction]) 1st floor - room 119, Tel / data 156, main office 158, room 169, hallway between art room and library, hallway #6 (between 170 and 178), room 185 2nd floor - room 233, 241, hallway between art room and library 3rd floor - hallway outside library Remove damaged floor tiles and replace with non-asbestos flooring as noted with associated ACM floor tile (Homogeneous Material #03). Manage material in place under the O&M Plan. Vinyl flooring materials should be maintained intact as noted with associated ACM floor tile (Homogeneous Material #03)	Repair/remove damaged floor tile soon as feasible and prior to September 2024
05	2'x2' white ceiling tiles with small random fissures	Hallway (newly constructed area); Entry way – 1st floor; hallway 1st floor – new construction; room 101; room 102; room 103; room 104; stair 2; room 107; room 106; room 108 A-H; room 109; room 110; room 105; room 111; room 113; room 114; room 112; room 116; room 118 science prep; room 117, 118, 124; room 125; room 125 bathroom; room 119; room 120, 121, 122 IDF; health suite 123; room 128, 129; room 130, 131, 132; room 135, 136, 139, 140; room 134; room 133, 141; teachers' lounge 142; closet M107 and adjacent restroom; cafeteria 143; 137 A-F; stairwell 10; room 217, 218, 224; room 219; room 225, 226; teachers' lounge 227; hallway 2nd floor – new construction; room 228; room 229, 330; room 234, 235, 236, 239, 240; room 232; room 233, 241; teachers' lounge 242; closet M207 and adjacent restroom; cafeteria 243; room 237 A-F; room 208A-G, 223 A-G; room 212, 213, 214, 215; room 206, 207, 209, 210; room 205, 211; room 201, 202, 203, 204; hallway 3rd floor – new construction; utility M310; room 301, 302, 303, 304; room 308 A-G; room 312, 313, 314, 315, 316; room 307, 308, 309, 310; room317, 318, 324; room 325, 326; room327; room 328, 329, 330, 332; room 334, 335, 339, 340; room 333, 341; teacher lounge 342; custodian adjacent 342; cafeteria 343; conference 350A & 350B; room 349 A-E; storage 347; stair 9 (every floor); hallway outside lLibrary on 3rd floor; room 352 & 354 storage closet in library; library 254; bathroom next to library 254; conference room 153 and librarian office; room 152; librarian work room; 158H; room 179, 182; room 178; hallway #6 (between 170 and 178)	196,085 SF	Yes- no asbestos detected	N/A	N/A	N/A	NA	N/A	

TABLE 3: RE-INSPECTION RESULTS AND RECOMMENDED RESPONSE ACTION
Salem High School, Salem, Massachusetts
77 Willson Street
Date of Inspection: September 1, 2023

Homogenous Material Number	Material Description	Functional Space	Quantity	Sampled	Friability F/NF	Physical Assessment Category	Condition	Hazard Potential	Recommended Response Actions/Notes	Recommended Completion Date
06	2'x4' ceiling tiles with fissures parallel to 4'	Basement – room 087; basement – hallway (adjacent 087, 057, and gym [old construction])	2,575 SF	No - assumed asbestos	F	5	Damaged	5	Damage includes minor nicks and gouges that appeared to be from incidental contact in the following locations: Basement – room 087, hallway (adjacent 087, 057, and gym [old construction]) Recommend that administrative procedures be employed to prevent unintended disturbance (i.e., notifying staff so that they don't inadvertently disturb the materials such as attaching items to walls or by accessing void above ceiling). Collect bulk samples to determine asbestos content prior to any future disturbance including repairing/replacing damaged tiles. Manage material in place under the O&M Plan.	Implement administrative procedures prior to January 2024
07	2'x4' ceiling tiles with random fissures	Basement – room 087; basement – hallway (adjacent 087, 057, and gym [old construction]); mechanical room (near stair 24); Storage (including rooms 21 & 22); basement 018; maintenance office	6,215 SF	Yes- no asbestos detected	N/A	N/A	N/A	NA	N/A	
08	2'x4' ceiling tiles with fissures parallel to 2'	Main office 158 closet	20 SF	No - assumed asbestos	F	5	Good	1	Recommend that administrative procedures be employed to prevent unintended disturbance (i.e., notifying staff so that they don't inadvertently disturb the materials such as accessing void above ceiling. Manage material in place under the O&M Plan. Collect bulk samples to determine asbestos content prior to any future disturbance.	Implement administrative procedures Prior to January 2024
09	2'x4' ceiling tiles randomly perforated	Boys locker room & team rooms; girls locker room; mechanical room (near stair 24); storage (including rooms 21 & 22)	7,160 SF	Yes- no asbestos detected	N/A	N/A	N/A	NA	N/A	

TABLE 3: RE-INSPECTION RESULTS AND RECOMMENDED RESPONSE ACTION
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Homogenous Material Number	Material Description	Functional Space	Quantity	Sampled	Friability F/NF	Physical Assessment Category	Condition	Hazard Potential	Recommended Response Actions/Notes	Recommended Completion Date
10	Partition window glazing (interior)	Basement – room 091; basement – room 091 storage closet; basement – room 091 office; small gym/fitness center, gymnasium; boys locker room & team rooms; girls locker room; hallway (newly constructed area); maintenance office; entry way – 1st floor; hallway 1st floor – new construction; room 101; room 102; room 103; room 104; stair 2; room 107; room 106; room 108 A-H; room 109; room 110; room 105; room 111; room 113; room 114; room 112; room 118 science prep; Room 117, 118, 124; Room 133, 141; cafeteria 143; 137 A-F; room 217, 218, 224; room 225, 226; teachers' lounge 227; hallway 2nd floor – new construction; room 228; room 229, 330; room 234, 235, 236, 239, 240; room 232; room 233, 241; teachers' lounge 242; cafeteria 243; room 237 A-F; room 208A-G, 223 A-G, room 212, 213, 214, 215; room 206, 207, 209, 210; room 205, 211; room 201, 202, 203, 204; hallway 3rd floor – new construction; room 307, 308, 309, 310; room 317, 318, 324; room 325, 326; room 327; room 328, 329, 330, 332; room 334, 335, 339, 340; teachers' lounge 342; cafeteria 343; M309; hallway outside library on 3rd floor; 3rd floor projector rooms behind auditorium; room 352 & 354 storage closet in library ; library 3rd floor; library 2nd floor; library 254; library 1st floor; main office 158; 158 D-F; director 162A, 158A, 158B; 1st floor hallway between art room and library; 2nd floor hallway between art room and library; hallway 5 near art room; stage storage; hallway #6 (between 170 and 178); room 171 / 172; art room; tel / data 156; 2nd floor hallway (not addition); room 285; storage 279; 2nd floor patio; practice music rooms; school store 250	23,853 SF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Damaged	4	Damage includes minor amounts of loose glazing compound that appeared to be from incidental contact in the following location: Basement – room 091 Remove damaged window glazing compound and repair/replace with non-asbestos material. Manage material in place under the O&M Plan.	Repair damaged as soon as feasible and complete prior to September 2024
11	Joint compound / gypsum board	Basement 018; men's & women's bathroom (including storage); entry way – 1st floor; Stair 2; room 107; room 108 A-H; room 113; room 114; room 112; room 116; room 118 Science prep; room 125 bathroom; room 119; room 120, 121, 122 IDF; health suite 123; boys and girls bathroom adjacent 119; room 130, 131, 132; room 135 136, 139, 140; teachers' lounge 142; closet M107 and adjacent restroom; room 225, 226; restroom adjacent 227; room 229, 330; room 234, 235, 236, 239, 240; closet M207 and adjacent restroom; room 212, 213, 214, 215; room 205, 211; hallway 3rd floor – new construction; room 312, 313, 314, 315, 316; room 307, 308, 309, 310; room 325, 326; restrooms adjacent 327; custodian adjacent 342; 4 bathrooms adjacent 349 A-E; library 3rd floor; 3rd floor suite rooms (356); library 2nd floor; library 1st floor; main office 158; 158H; room 183; stair 15; room 179, 182; room 178; hallway #6 (between 170 and 178); art rooms; tel / data 156; 2nd floor boys room	20,830 SF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	F	6	Damaged	6	Material is intact. Damage includes minor water stains and nicks, and gouges that appeared to be from incidental contact in the following locations: 1st floor - main office 158, girls' room by room 127 2nd floor - girls' room Materials is on accessible walls/ceilings. Recommend that administrative procedures be employed to prevent unintended disturbance (i.e., notifying staff so that they don't inadvertently disturb the materials such as attaching items or by daily activities). Repair damaged joint compound with non-asbestos material. Manage material in place under the O&M Plan.	Implement administrative procedures prior to January 2024. Repair damaged joint compound prior to September 2024
12	Plaster (2 coat)	Small gym / fitness center, gymnasium; boys locker room & Team rooms; girls locker room	3,200 SF	Yes- no asbestos detected	N/A	N/A	N/A	NA	N/A	

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13	Metal door & partition window frame to CMU wall	Small gym / fitness center, gymnasium; boys locker room & team rooms; girls locker room; hallway (newly constructed area); kitchen (including adjacent rooms); maintenance office; entry way – 1st floor, auditorium; hallway 1st floor – new construction; room 101; room 102; room 103; room 104; stair 2; room 107; room 106; room 108 A-H; room 109; room 110; room 105; room 111; room 113; room 114; room 112; room 116; room 118 science prep; room 117, 118, 124; room 125; room 125 bathroom; room 119; room 120, 121, 122 IDF; health suite 123; room 128, 129; room 130, 131, 132; room 135 136, 139, 140; room 134; room 133, 141; teachers' lounge 142; cafeteria 143; 137 A-F; stairwell 10; room 217, 218, 224; room 219; room 225, 226; teachers' lounge 227; hallway 2nd floor – new construction; room 228; room 229, 330; room 234, 235, 236, 239, 240; room 232; room 233, 241; teachers' lounge 242; cafeteria 243; room 237 A-F; room A-G, 223 A-G; room 212, 213, 214, 215; room 206, 207, 209, 210; room 205, 211; room 201, 202, 203, 204; hallway 3rd floor – new construction; room 301, 302, 303, 304; room 308 A-G; room 312, 313, 314, 315, 316; room 307, 308, 309, 310; room 317, 318, 324; room 325, 326; room 327; room 328, 329, 330, 332; room 334, 335, 339, 340; teacher lounge 342; cafeteria 343; M309; 4 bathrooms adjacent 349 A-E; hallway outside library on 3rd floor, room 352 & 354 storage closet in library; library 3rd floor, library 2nd floor; library 254; library 1st floor; conference room 153 and librarian office; room 152; librarian work room; main office 158; 158 D-F; director 162A, 158A, 158B; 1st floor hallway between art room and library; 2nd floor hallway between art room and library; Hallway 5 near art room, stage storage; room 179, 182; hallway #6 (between 170 and 178); wood shop; room 171 / 172; art room; tel / data 156; 2nd floor hallway (not addition); room 285; storage 280, 281; storage 279; 2nd floor patio; practice music rooms; school store 250	5,420 SF	Yes- 2% Chrysotile asbestos	NF	5	Good	1	Manage material in place under the O&M Plan.	
14	Fire door	Basement – hallway (adjacent 087, 057, and gym [old construction]); small gym / fitness center; gymnasium; hallway (newly constructed area); maintenance office; entry way – 1st floor – new construction; stair 2; stairwell 10; hallway 2nd floor – new construction; hallway 3rd floor – new construction; room 301, 302, 303, 304; room 307, 308, 309, 310; 2nd floor hallway (not addition)	82 Each	No - assumed asbestos	F	5	Good	1	Manage material in place under the O&M Plan. Maintain fire doors in good condition and do not breach veneer of door. Collect bulk samples to determine asbestos content prior to any disturbance.	
15	Lab benches/ desks	Room 112; room 113; room 114; room 118 science prep; room 212, 213, 214, 215; room 312, 313, 314, 315, 316	120 Each	No - assumed asbestos	NF	5	Good	2	Manage material in place under the O&M Plan. Collect bulk samples to determine asbestos content prior to any disturbance.	

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16	Black Band of floor tiles (-2" wide)	Entry way – 1st floor	100 SF	No - assumed asbestos	NF	5	Good	2	Manage material in place under the O&M Plan. Vinyl flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Vinyl flooring materials should be waxed annually. Collect bulk samples to determine asbestos content prior to any disturbance.	
17	Cove base with adhesive	Basement – hallway (adjacent 087, 057, and gym [old construction]); Entry way – 1st floor; hallway outside library on 3rd floor; library 3rd floor; 3rd floor suite rooms (356-361); room 183; stair 15; art room; basement – room 091; basement – room 091 storage closet; basement - room 091 office; basement – room 087basement rooms 056, 057, 058; basement – hallway (adjacent 087, 057, and gym [old construction]); M309; library 2nd floor; library 1st floor; main office 158; 158H; 158G; 158C; 1st floor hallway between art room and library; 2nd floor hallway between art room and library; hallway 5 near art room; stage storage; tel / data 156; 2nd floor hallway (not addition); room 285; room 282 / 283; storage 279; school store 250; boys locker room & team rooms; girls locker room; hallway 1st floor – new construction; room 101; room 102; room 103; room 104; stair 2; room 107; room 106; room 108 A-H; room 109; room 101; room 105; room 111; room 113; room 114; room 112; room 116; room 118 science prep; room 117, 118, 124; room 125; room 125 bathroom; room 119; room 120, 121, 122 IDF; health suite 123; room 128, 129; room 130, 131, 132; room 135, 136, 139, 140; room 134; room 133, 141; teachers' lounge 142; cafeteria 143; 137 A-F; room 217, 218,224; room 219; room 225, 226; teachers' lounge 227; room 228; room 229, 330; room 234, 235, 236, 239, 240; room 232; room 233, 241; teachers' lounge 242; cafeteria243; room 205, 211; room 201, 202, 203, 204; room 301, 302, 303, 304; room 308 A-G; room 312, 313, 314, 315, 316; room 307, 308, 309, 310; room 317, 318, 324; room 325, 326; room 327; room 328, 329, 303, 332; room 334, 335, 339, 340; room 333, 341; teachers' lounge 342; cafeteria 343; conference 350A & 350B; room 349 A-E; 4 bathroom adjacent 349 A-E; storage 347; room 352 &354 storage closet in library; library 254; conference room 153 and librarian office; room 152; librarian work room; 158 D-F; director 162A, 158 A, 158B; room 179, 182; room 178; hallway #6 (between 170 and 178); basement – room 091; basement – room 087; basement – hallway (adjacent 087, 057, and gym [old construction]); library 1st floor, hallway 5 near art room; tel / data 156; room 282 / 283; basement – hallway (adjacent 087, 057, and gym [old construction]); hallway outside library on 3rd floor; library 3rd floor	25,000 LF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	

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18	Rubber stair tread with adhesive (Black and Grey)	Entry way – 1st floor; library 3rd floor; library 2nd floor; library 1st floor; stair 2	3,300 SF	No - assumed asbestos	NF	5	Good	2	Manage material in place under the O&M Plan. Flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Flooring materials should be waxed annually. Collect bulk samples to determine asbestos content prior to any disturbance.	
19	Sink Basin Coating (Black and Grey)	Art room; room 113; room 114; room 112; room 118 science prep, room 270; room 116; health suite 123; teachers' lounge 142; room 212, 213, 214, 215; hallway 3rd floor – new construction; room 312, 313, 314, 315, 316; teachers' lounge 342; librarian work room; main office 158	50 Each	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Good	2	Manage material in place under the O&M Plan.	
20	Building expansion joint	Hallway outside library on 3rd floor, library 3rd floor; library 2nd floor; library 1st floor	110 LF	Yes- 2% Chrysotile asbestos	NF	5	Good	1	Manage material in place under the O&M Plan.	
21	Carpet adhesive	Conference 350A & 350B; library 2nd floor; 158G; 158C; 158 D-F	7,910 SF	Yes- no asbestos detected	NF	5	N/A – Under carpet	1	Manage material in place under the O&M Plan.	
22	Caulking on air handlers	Storage (including rooms 21 & 22); mechanical room (near stair 24)	240 LF	Yes- 6% Chrysotile asbestos.	NF	5	Good	2	Manage material in place under the O&M Plan.	
23	Ceiling plaster	Auditorium	6,400 SF	Yes - no asbestos detected	N/A	N/A	N/A	N/A	N/A	
24	Ceramic tile, grout, mortar base	Boys locker room & team rooms; girls locker room; men's & women's bathroom (including storage); closet M107 and adjacent restroom	16,715 SF	Yes - no asbestos detected	N/A	N/A	N/A	N/A	N/A	
25	CMU wall to CIP spandrel caulking	Basement rooms 056, 057, 058; hallway 2nd floor – new construction; room 103; room 104; stair 2; room 105; room 111; room 112; room 118 science prep; room 117, 118, 124; room 125; room 128, 129; room 130, 131, 132; room 133, 141; teachers' lounge 142; cafeteria 143; room 217, 218, 224; room 225, 226; teachers' lounge 227; hallway 2nd floor – new construction; room 228; room 229, 330; room 232; room 233. 241; cafeteria 243; room 205, 211; room 201, 202, 203, 204; room 301, 302, 303, 304; room 317, 318, 324; room 325, 326; room 327; room 328, 329, 330, 332; room 333, 341; cafeteria 343; room 349 A-E; stair 9 (every floor); library 3rd floor (whole wall); library 2nd floor; library 1st floor; 158C; 158 D-F; director 162A, 158A, 158B; room 183; stair 15; room 182; wood shop; room 171 / 172; art room; room 285; room 282 / 283; 2nd floor patio	4,346 LF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Damaged	4	Damage includes cracks/gaps but was intact in the following location: 3rd floor - library Damage includes cracks/gaps and is intact. Repair cracks/gaps in caulking is recommended to maintain its intended purpose. Manage material in place under the O&M Plan.	Repair damaged caulking prior to September 2024

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26	CMU wall to CMU wall and CIP spandrel caulking	3rd floor suite rooms (356-361)	100 LF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Damaged	4	Damage includes cracks/gaps but was intact in the following location: 3rd floor - suite rooms (356-361) Repair cracks/gaps in caulking is recommended to maintain its intended purpose. Manage material in place under the O&M Plan.	Repair damaged caulking prior to September 2024
27	Concrete patch on CMU walls	Room 128, 129; room 130, 131, 132	30 SF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
28	Curtain wall caulking	Basement rooms 056, 057, 058; maintenance office; hallway 2nd floor – new construction; room 103; room 104; stair 2; room 105; room 111; room 112; room 118 science prep; room 117, 118, 124; room 125; room 128; 129; room 130, 131, 132; room 133, 141; teachers' lounge 142; cafeteria 143; room 217, 218, 224; room 225, 226; teachers' lounge 227; hallway 2nd floor – new construction; room 228; room 229, 330; room 232; room 233, 241; cafeteria 243; room 205, 211; room 201, 202, 203, 204; hallway 3rd floor – new construction; room 301, 302, 303, 304; room 317, 318, 324; room 325, 326; room 327; room 328, 329, 330, 332; room 333, 341; cafeteria 343; conference 350B; room 349 A-E; stair 9 (every floor); library 3rd floor (whole wall); 3rd floor suite rooms (356-361); library 2nd floor; library 1st floor; 158C; 158 D-F; director 162A, 158A, 158B; room 183; stair 15; room 182; wood shop; room 171 / 172; Art room; room 285; room 282 / 283; 2nd floor patio	8,322 LF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Good	1	Manage material in place under the O&M Plan.	
29	Curtain wall glazing	Basement – room 087; basement hallway (adjacent 087, 057, and gym [old construction]); entry way – 1st floor	320 LF	No - assumed asbestos	NF	5	Good	1	Manage material in place under the O&M Plan. Collect bulk samples to determine asbestos content prior to any disturbance.	
30	Door assembly caulking to CMU	Basement – room 091; basement – room 091 storage closet; basement – room 091 office; basement – room 087; basement rooms 056, 057, 058: basement – hallway (adjacent 087, 057, and gym [old construction])	724 LF	Yes- 2% Chrysotile asbestos	NF	5	Good	1	Manage material in place under the O&M Plan.	
31	Door assembly glazing	Basement – room 087; basement – hallway (adjacent 087, 057, and gym [old construction])	1,000 LF	No - assumed asbestos	NF	5	Good	1	Manage material in place under the O&M Plan. Collect bulk samples to determine asbestos content prior to any disturbance.	
32	Duct work red seam sealant	Wood shop	150 LF	Yes- 2% Chrysotile asbestos	NF	5	Good	2	Manage material in place under the O&M Plan.	
33	Duct work stick pin adhesives	Boys' locker room & team rooms; girls locker room; mechanical room (near stair 24); storage (including rooms 21 & 22)	300 LF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	

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34	End seam sealant	Small gym / fitness center; gymnasium; boys locker room & team rooms; girls locker room; mechanical room (near stair 24); storage (including rooms 21 & 22)	Not Quantified - Unknown	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
35	Fire proofing	Basement – room 091; basement – room 091 storage closet; basement – room 091 office; basement – room 087; basement – hallway (adjacent 087, 057, and gym [old construction]); boys locker room & team rooms; girls locker room; mechanical room (near stair 24); storage (including rooms 21 & 22); kitchen (including adjacent rooms); maintenance office; room 113; room 114; room 112; room 118 science prep; teachers' lounge 142; utility M310; M309; library 2nd floor; main office 158 closet; wood shop; tel / data 156	39,230 SF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
36	Gypsum board ceiling tiles	Kitchen (including adjacent rooms)	3,750 SF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
37	Masonry joint caulking	Hallway (west wing)	80 LF	Yes- 2% Chrysotile asbestos	NF	5	Good	1	Manage material in place under the O&M Plan.	
38	Metal column to CMU wall caulking	Basement – room 091; basement - room 091 storage closet; basement – room 091 office; basement – room 087; basement rooms 056, 057, 058; basement – hallway (adjacent 087, 057, and gym [old construction]); small gym / fitness center; gymnasium; mechanical room (near stair 24); storage (including rooms 21 & 22); kitchen (including adjacent rooms); entry way- 1st floor; auditorium; hallway 1st floor – new construction; room 101; room 102; room 103; room 104; Stair 2; room 107; room 106; room 108 A-H; room 109; room 110; room 105; room 111; room 113; room 114; room 112; room 118 science prep; room 117, 118, 124; room 125; room 128, 129; room 130, 131, 132; room 135, 136, 139, 140; Room 134; room 133, 141; teacher lounge 142; closet M107 and adjacent restroom; cafeteria 143, 137 A-F; room 217, 218, 224; room 219; hallway 2nd floor – new construction; room 228; room 229, 330; room 234, 235, 236, 239, 240; room 232; room 233, 241; teachers' lounge 242; closet M207 and adjacent restroom; cafeteria 243; room 237 A-F; room 208 A-G; 223 A-G; room 212, 213, 214, 215; room 206, 207, 209, 210; room 205, 211; room 201, 202, 203, 204; hallway 3rd floor – new construction; room 301, 302, 303, 304; room 308 A-G; room 312, 313, 314, 315, 316; room 307, 308, 309, 310; room 317, 318, 324; room 325, 326; room 327; room 328, 329, 330, 332; room 334, 335, 339, 340; room 333, 341; teachers' lounge 342; cafeteria 343; conference 350A & 350B; room 349 A-E; hallway outside library on 3rd floor; library on 3rd floor; 3rd floor suite rooms (356-361); library 2nd floor; library 1st floor; 158G; 158C; 1st floor hallway between art room and library; 2nd floor hallway between art room and library; hallway 5 near art room; stage storage; room 183; stair 15; wood shop; art room; tel / data 156; 2nd floor hallway (not addition); room 282 / 283; 2nd floor patio; practice music rooms; 2nd floor hallway bathrooms; school store 250	23,902 LF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Damaged	1	Damage includes cracks/gaps and is intact in the following locations: Basement - hallway (adjacent 087, 057, and gym [old construction] 1st floor - hallway between art room and library 2nd floor – library, hallway between art room and library, 2nd floor hallway (not addition) Repair cracks/gaps in caulking is recommended to maintain its intended purpose. Manage material in place under the O&M Plan.	Repair damaged caulking prior to September 2024

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39	Miscellaneous repair floor tiles	Basement – hallway (adjacent 087, 057, and gym [old construction]; room 101; room 102; room 103; room 104; room 225, 226; room 228; room 234, 235, 236, 239, 240; room 334, 335, 339, 340; hallway 5 near art room; stage storage	580 SF	No – assumed asbestos	NF	5	Good	2	Manage material in place under the O&M Plan. Vinyl flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Flooring materials should be waxed annually. Collect bulk samples to determine asbestos content prior to any disturbance.	
40	Partition window glazing	Conference room 153 and librarian office; room 152; librarian work room; wood shop	270 SF	Yes- 2% Chrysotile asbestos (sampled prior to re-inspection)	NF	5	Good	1	Manage material in place under the O&M Plan.	
41	Pipe fitting insulation	Wood shop, storage room off of small gym, outside room M005, inside room M005, room 072, locker mechanical room M015, storage A023, storage 193,	236 LF	No - assumed asbestos	F	5	Good	3	Manage material in place under the O&M Plan. Asbestos warning signs should be posted adjacent to pipe insulation in routine maintenance areas. Do not store items on or in the immediate vicinity of pipe insulation. Collect bulk samples to determine asbestos content prior to any disturbance.	
42	Plaster ceiling	3rd floor projector rooms behind auditorium	800 FL	Yes – no asbestos detected	N/A	N/A	N/A	N/A	N/A	
43	Portico plaster ceiling	Portico next to room 087 (side A); portico next to room 087 (side B)	550 SF	No - assumed asbestos	NF	5	Damaged	4	Repair peeling paint as ACM unless sampled and determined to be non-ACM Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan.	Repair damaged assumed ACM or collect bulk samples to determine asbestos content prior to September 2024
44	Red fire stop at wall penetrations	Mechanical room (near stair 24); storage (including rooms 21 & 22)	9 SF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
45	Rubber floor adhesive	Small gym / fitness center; gymnasium	12,800 SF	No - assumed asbestos	NF	5	Damaged	2	Damage includes missing rubber floor in small section in gym. Rubber floor and exposed adhesive appeared to be maintained with a layer of protective wax. Replace missing section of rubber floor. Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan.	Repair damage prior to September 2024

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46	Tectum ceiling panels	Small gym / fitness center; gymnasium	27,970 SF	No - assumed asbestos	Friable	5	Good	1	Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan.	
47	Textured paint on CIP walls	Hallway (west wing)	2,460 SF	No - assumed asbestos	NF	5	Good	2	Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan.	
48	Textured plaster ceiling	2nd floor hallway bathrooms	450 SF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
49	Thread sealant on sprinkler pipes	Basement – room 091; basement – room 091 storage closet; basement – room 091 office; basement – room 087; basement – hallway (adjacent 087, 057, and gym [old construction]); small gym / fitness center; gymnasium; boys locker room & team rooms; girls locker room; mechanical room (near stair 24); storage (including rooms 21 & 22); kitchen (including adjacent rooms); maintenance office; entry way – 1st floor; room 108 A-H; room 133, 141; utility M310; M309	130 LF	Yes- no asbestos detected	N/A	N/A	N/A	N/A	N/A	
50	Vinyl sheet flooring	Kitchen; 3rd floor by elevator; dishwashing room 346; 2nd floor by elevator; dish room 246; dish room 146	400 SF	Yes- 35% Chrysotile asbestos	F	5	Good	2	Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan. Vinyl flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Flooring materials should be waxed annually.	
51	Gray epoxy flooring	Basement kitchen and associated rooms	3,500 SF	No - assumed asbestos	No	5	Good	2	Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan. Flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Flooring materials should be waxed annually.	
52	Brown epoxy flooring	Rooms 312, 313, 314, 315, 316, 212, 213, 214, 215, 216	12,800 SF	No - assumed asbestos	No	5	Good	2	Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan. Flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Flooring materials should be waxed annually.	

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Date of Inspection: September 1, 2023

Homogenous Material Number	Material Description	Functional Space	Quantity	Sampled	Friability F/NF	Physical Assessment Category	Condition	Hazard Potential	Recommended Response Actions/Notes	Recommended Completion Date
53	Gray epoxy flooring	Rooms 112, 113, 114, 115, 116	6,500 SF	No - assumed asbestos	N	5	Good	2	Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan. Flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Flooring materials should be waxed annually.	
54	Gray composite wood flooring	2nd floor medical assisting and culinary arts	4,000 SF	No - assumed asbestos	N	5	Good	2	Collect bulk samples to determine asbestos content prior to any disturbance. Manage material in place under the O&M Plan. Flooring materials should be maintained in accordance with EPA and OSHA guidelines. Strip floors when wet using low abrasive pads and low speed buffers (175- 300 rpm), and regularly clean and maintain flooring with wax coating to maximize longevity. Flooring materials should be waxed annually.	

Notes
LF = Linear Feet
SF = Square Feet
Assumed ACM = This material was not sampled during the initial AHERA survey or in any subsequent 3 year reinspection. Prior to any planned disturbance by maintenance, renovation, or demolition activities, EFI recommends bulk sampling and analysis to determine asbestos content.

Physical Assessment Category	Hazard Potential Category
1 – Damaged or Significantly Damaged Thermal System Insulation	1 – Good Condition/ Low Probability for Damage
2 – Damaged Surfacing Material	2 – Good Condition/ Moderate Probability for Damage
3 – Significantly Damaged Surfacing Material	3 – Good Condition/ High Probability for Damage
4 – Damaged or Significantly Damaged Miscellaneous Material	4 – Damaged Condition/ Low Probability for Damage
5 – ACBM with Potential for Damage	5 – Damaged Condition/ Moderate Probability for Damage
6 – ACBM with Potential for Significant Damage	6 – Damaged Condition/ High Probability for Damage
7 – Any Remaining ACBM	7 – Significantly Damaged ACBM