Stonington K-12 Building Committee
West Vine Street School & Deans Mill School
Request for Proposal for
Hazardous Materials Inspection, Design & Abatement Services

RFP: #2016-010 Issue Date: June 13, 2016

Proposal Due Date: June 23, 2016

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Appendices

I. Project Overview

The Stonington K-12 Modernization project consists of two separate building projects that will consist of building renovations, partial demolition and new additions. It also consists of a roof replacement project that will not require geotechnical services.

The West Vine Street Elementary School is located on West Vine Street in Pawcatuck, Connecticut. The project will consist of demolishing approximately 1,800 square feet of the existing building and construction of a 34,900 square foot addition. The new addition will consist of a new classroom wing, gym, lobby area and other support spaces. The new addition is anticipated to be two-stories high. Please refer to Exhibit A for the existing site plan and proposed boring locations.

The Deans Mill Elementary School is located on Deans Mill Road in Stonington, Connecticut. The project will consist of demolishing approximately 35,350 square feet of the existing building and construction of a 40,200 square foot addition. The new addition will consist of a new classroom wing, gym, lobby area and other support spaces. The new addition is anticipated to be two-stories high. Please refer to Exhibit B for the existing site plan and proposed boring locations.

Drummey Rosane Anderson (DRA), Inc. is the architect of record for the project. Gilbane Building Company is the Construction Manager and Colliers International is the Owner's Project Manager.

II. Project Schedule

The current schedule provides for design, construction and occupancy by August, 2018. The project architect, DRA, has completed the schematic design phase. Contract documents are scheduled for completion in December, 2016 with construction scheduled to start in April 2017.

The HazMat Consultant (HM) selection schedule is as follows and is subject to change:

1. RFP Published: June 13, 2016
2. Site visit/Building Walk through: June 17, 2016, 9 a.m. starting at West Vine Street School, then proceeding to Deans Mill School.
3. Last Day for Addenda questions: June 21, 2016 by 3:00 p.m.
4. Proposals Due: June 23, 2016 no later than 2:00 p.m.
5. Consultant Selection: July 12, 2016 (Stonington K-12 Building Committee)
6. Survey, test and inspect buildings: Summer 2016

III. Scope of Services

A. Comprehensive Hazardous Materials Services

The Town of Stonington Building Committee intends to commission one firm to provide all hazardous material services necessary for the abatement of the academic unit and student services unit as required for the renovation work, through design and construction. This firm will have the responsibility to provide these services through its own firm's capabilities and consultants as approved by the Owner.

Comprehensive services shall be as follows:

Inspection and Design Phase:

1. Review existing hazardous material documentation available, if any.
2. Survey, test & inspect the building structures on-site, as required, to develop abatement specifications and drawings to include but not limited to the following:
   A. Identify the presence of asbestos containing materials (ACM), lead-based paint (LBP), mercury switches, light ballasts and florescent light tubes and other miscellaneous hazardous materials/universal waste.
   B. PCB sampling of source materials that include caulking, glazing and sealant compounds. Sampling shall be restricted to windows and door systems.
   C. Conduct Polarized Light Microscopy (PLM) testing to determine asbestos type and percent composition, and should include the point count of all samples below 3% to verify exact percentage. Any sample from trace amounts up to 1% should be verified by TEM analysis.
3. Develop abatement specifications and drawings to include a detailed scope incorporating the required phasing as determined with the Owner, architect and OPM. Phasing plan shall be coordinated with the final construction phasing plan and shall show plans for areas to be abated.
4. Prepare abatement bid documents for PCBs which may include specifications, performance base plan or self-implementing plan. Prepare abatement plan for the abatement of asbestos containing materials (ACM), lead based paint (LBP), and/or other regulated hazardous materials. Final report should include CADD drawings (backgrounds to be supplied by architect) showing the locations, quantities, condition and types of all hazardous materials within the existing structures, including all exterior surfaces where intersecting with proposed additions and roofing. Consultant is responsible for hiring a professional roofer, mason, or other contractors to repair and/or patch tested areas. Assumed quantities are not permitted unless authorized by the owner.
5. Hazmat consultant shall also provide cost estimates at the completion of the inspection.

6. Consultant shall assume 40-manhours for meetings with design team and building committee.
7. All checklists, letters, notifications and other documentation as required by OSCG, CT DEEP, CT DPH, and EPA Region 1 shall be included in this proposal.

Bid Phase:

1. Assist the Owner in bidding the abatement/demo work, including but not limited to attendance at pre-bid and post-bid conferences, addressing bidder inquiries, preparation and issuance of addenda, review and reconciliation of bids, recommendations on contractor selection and contract terms. For purposes of this scope, consultant shall assume 20 man-hours.

Abatement Phase Onsite Inspections and Monitoring:

1. Identification, coordination and oversight of all required permitting and notifications.
2. Provide onsite personnel with appropriate credentials as required by regulatory agencies, to monitor abatement contractor's activities.
3. Provide oversight of all abatement contractor activities including but not limited to, documentation related to all local, state and federal regulatory compliance, reporting, and abatement procedures.
4. Inspect and certify appropriate onsite conditions as required by regulatory agencies.
5. Conduct all testing, inspections and analyses of conditions, as required by regulatory agencies and as directed by the Owner.
6. Prepare and submit reports for all testing, inspections and analyses of conditions, as required by regulatory agencies and as directed by the Owner.
7. Included meetings with owner as requested. See bid proposal form for project management hourly rate.

B. Agreement

The successful contractor will enter into an Agreement directly with Town of Stonington Public Schools. This RFP and the proposal provided by the consultant shall be referenced in the Agreement. *The proposals shall include all services as described in this RFP: #2016-010.*

IV. Contents of Proposal

1. **Transmittal Letter, including:**
   a. Company name, main office address and local office address
   b. Statement indicating your understanding of the work to be performed

c. Name, title, address, telephone number, and e-mail address of the individual to whom all inquiries about this response should be addressed

2. **Basic Firm Information (may be simply listed), including:**
   a. Name of company
   b. Date organized
   c. Tax Identification number(s)
   d. Legal form of ownership. If a corporation, where incorporated
   e. Number of years engaged in services under present name
   f. Identify and explain any work awarded to your company that your company has failed to complete
   g. Identify and explain any instance in which your company has defaulted or has been accused of defaulting on a contract
   h. Identify and explain any potential conflicts of interest
   i. Identify the individuals who are authorized to bind the company in negotiations
   j. Describe any previous and pending litigation or other factors that could affect your company's ability to perform this agreement

3. **Qualifications and Capacity, including:**

   a. **Firm's Qualifications:** Provide information demonstrating the qualifications of your firm to complete this work. Please include:
      - Unique qualifications that your firm has regarding this project
      - Projects completed in the past 5 years with a similar educational (preferably K-12) purpose, size and scale and timeframe (please include project name, client and size)
      - Proposed staffing for this project
      - Resumes / qualifications for personnel that would be assigned to this project for each aspect of the proposed staffing plan, including their experience on projects of this size and type and their years with the firm
      - Describe your firm's familiarity with local laws, regulations, permitting and inspecting entities.

   b. **Firm's Capacity:** Provide information indicating the capacity of the office that will provide the hazardous materials consulting and inspection services. Please include:
      - The number of full-time professional staff your (local) office employs
      - A list of all services required for this project that would be provided in-house by your firm, and a list of all services that would be outsourced

4. **Proposed Approach to the Project**

   a. Briefly describe how your firm will conduct each phase of the project to adequately address the hazardous materials that may be encountered

during the demolition of the various buildings. Please emphasize any aspects of your approach that may be uniquely suited to this project.

b. Provide a proposed schedule for pre-construction survey and design document completion.

5. **Insurance:** Provide the name of your insurance company and agents, your insurance coverage including type and limits, with a sample certificate of representative coverage.

6. **References:** Include the name, title, and contact information of the authorized owner's representative for at least three recent projects of similar size, scale, and timeframe.

7. **Fee Proposal:** Provide fee proposal for inspection, design and abatement monitoring for this project as provided in the bid proposal form.

V. Selection Criteria

The firm's qualifications will be evaluated based on the proven ability of each respondent to perform the requested services and any other factor of criterion that may be deemed relevant or pertinent for its evaluation of such qualifications. The evaluation will include:

1. Evidence of firm's and proposed personnel's ability to perform all the work responsibilities
2. Capability of providing construction management services in an excellent manner.
3. Past experience with providing a similar set of services for projects of a similar size, scale, and purpose
4. Provision of indemnity and insurance consistent with Town requirements, see section VII.
5. Proposed cost of services

VI. Instructions for Submission of Proposal

A. Submission Logistics

One (1) original and twelve (12) copies of each firm's proposal must be received at the following location on or before 2:00 P.M. on, June 23, 2016:

Mr. James Sullivan
Director of Finance
Town of Stonington
152 Elm Street
Stonington, CT 06378

Questions regarding this request for proposals should be directed to Mr. Charles E. Warrington, Jr., P.E. at Charles.warrington@colliers.com. All questions will be

responded to via addendum to RFP: #2016-010 and posted to the Town of Stonington website: http://www.stonington-ct.gov/bids-rfps, as well as to the RFP as posted on the State of Connecticut, Department of Administrative Services Contracting Portal.

Please clearly mark all proposals with **"Stonington K-12 Modernization Project RFP: #2016-010".**

B. Proposal Opening

Proposals will be publicly opened and read aloud on June 23, 2016 at 2:00 p.m. at the Town of Stonington Finance Department, 152 Elm Street, Stonington, CT, 06378.

VII. Insurance Requirements

The Contractor will carry the following insurance coverages with an insurance company(s) licensed in the State of Connecticut and satisfactory to the Town of Stonington, in compliance with the law, and in the following form and amount:

Workers Compensation:

Coverage A: Statutory

Coverage B: Employers Liability:

Bodily injury by accident	$500,000 per person
Bodily injury by disease	$500,000 per person
Bodily injury by disease	$500,000 aggregate

Commercial General Liability:

Bodily Injury General Aggregate Limit (Other than Products/Completed Operations)	$3,000,000 per person
Products/Completed Operations	$1,000,000
Personal & Advertising Injury	$1,000,000
Each Occurrence	$1,000,000
Fire Damage Limit	$300,000
Medical Expenses	$10,000

Umbrella Liability:

Each Occurrence	$1,000,000

Aggregate	$1,000,000

Automobile Liability:

Limits of Liability:

Bodily Injury	$1,000,000 per person
Aggregate	$1,000,000
Property Damage	$1,000,000

The Town of Stonington shall be added as an additional named insured to the Contractors Commercial Liability and Auto policies and so stated in certificates.

INSURANCE REQUIREMENTS FOR SUBCONTRACTORS

The Contractor shall ensure that all tiers of their subcontractors shall procure and maintain insurance in like form and amounts including the Additional Insured requirements, all as set forth above. Copies of the certificates of insurance must be provided to the Town prior to the subcontractor entering the jobsite.

VIII. Other Requirements

1. Any and all modifications to the RFP must be written and not oral.

2. The Town of Stonington reserves the right to reject any and all bids/proposals in whole or in part or to waive any informality in bidding if it is determined by the Town to be in the best interest of the Town of Stonington.

3. Bids may be held by the Town of Stonington for a period not to exceed ninety (90) days from the date of the opening of bids for the purpose of reviewing the bids and investigating the qualifications of the bidder prior to awarding the contract.

4. The proposer is required to prepare its proposal in accordance with the RFP, including any modifying addenda. Proposers must disclose in writing any exceptions to the RFP.

5. Proposers must inform the Town of information concerning any:
   a. Listing on the State's Disbarment List or List of Parties Excluded from Federal Procurement.

b. Ineligibility, per Connecticut General Statute Section 31-57b to be awarded the contract because of occupational safety and health violations.
c. Arbitrations and litigation.
d. Criminal proceedings.
e. State or local ethics law, regulation, ordinance and /or policy violations.

6. The Town reserves its right to request additional information from proposers, subsequent to the opening of bids.

7. The proposer is solely responsible for the costs of its proposal.

8. Submitted proposals are the Town's property and will not be returned.

9. The proposer is presumed to have full knowledge of the RFP and any addenda, the project scope or work to be done, and all applicable laws.

10. Any and all information received from proposers is subject to the Freedom of Information Act (FOI) and may be disclosed to the general public. If any information is deemed to be proprietary and confidential by the proposer, it should be indicated at the time of proposal submission. The proposer should be prepared to defend not disclosing any such information pursuant to a FOI request.

11. The making of a preliminary award to a proposer does not constitute a contract and does not provide the proposer with any rights and does not impose upon the Town any obligations. A proposer has rights, and the Town has obligations, only if and when a contract is executed by the Town and the proposer.

12. By offering a submission to this RFP the respondent certifies that it has not divulged to, discussed or compared its proposal with other proposers and has not colluded with any other proposer or parties to this proposal whatsoever.

13. The Town of Stonington, or its agent may reject any bid or proposal from a bidder if that bidder, or its principals, are delinquent in the payment of any real estate, personal property, or motor vehicle tax, or sewer use charges or assessments, or are delinquent or obligated to the Town of Stonington for any other form of debt or obligation.

Right to Annul or Terminate

The Town reserves the right to amend or terminate the RFP at its sole discretion, before or after receiving proposals.

Non-Discrimination Clause

During the performance of any work that results from this RFQ/RFP, the proposer and its subcontractors shall not deny the agreement's benefits to any person on the basis of religion, color, ethnic group identification, sex, age, sexual orientation, physical or mental disability, nor shall they discriminate unlawfully against any employee or applicant for employment because of race, religion, color, national origin, ancestry, sexual orientation, physical or mental disability, medical condition, marital status, age or sex. The proposer shall insure that evaluation and treatment of employees and applicants for employment are free of such discrimination. This project must abide by all relevant HUD policies regarding non-discrimination.

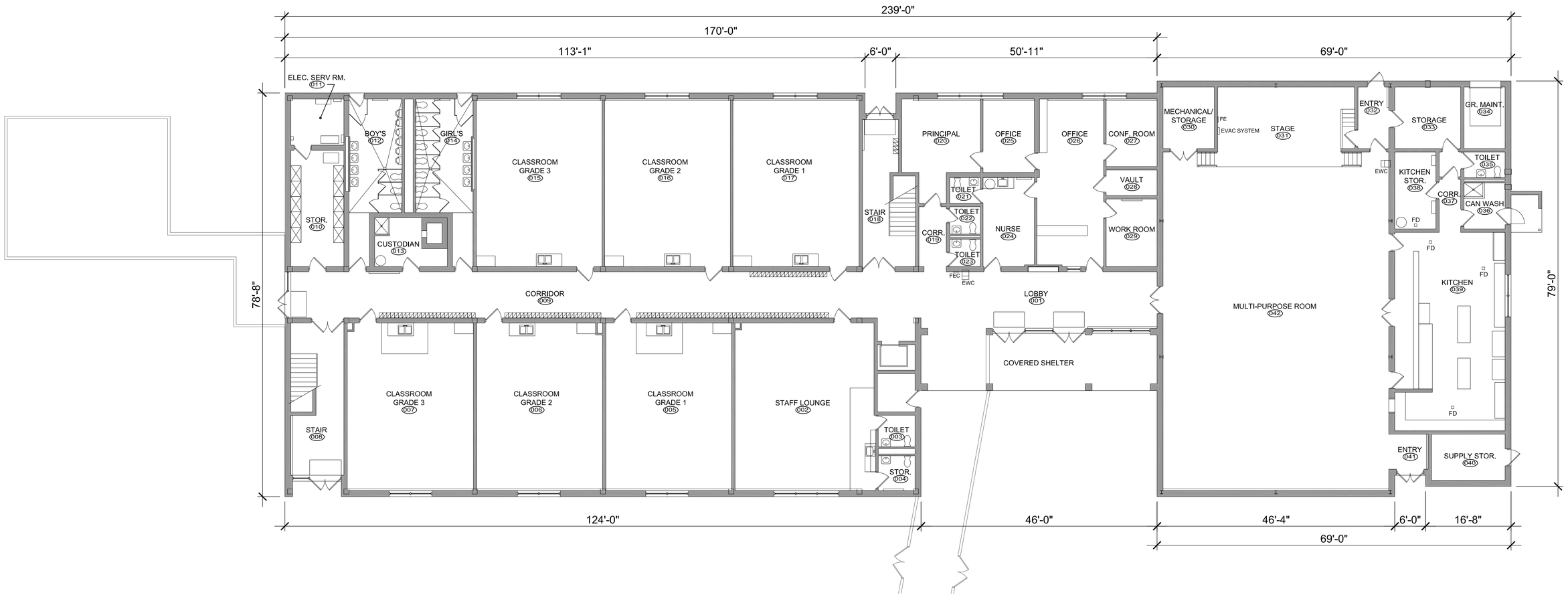
The successful proposer shall indemnify the Town, its officers and employees against liability for injury or damage cause by any negligent act or omission of any of its employees or volunteers or agents in the performance of this agreement and shall hold the Town harmless for any loss occasioned as a result of the performance of this contract by the proposer.

The Town of Stonington is an Equal Opportunity Employer

Bid Proposal Form
For
Hazardous Materials Inspection, Testing and Monitoring

Lump Sum Fee for Inspection labor to include asbestos, lead, universal wasted, PCB caulking, glazing and compound sources. Fee shall include project management and report preparation. For purposes of bid evaluation, assume the following assumed samples and provide unit price for each. The lump sum fee proposal shall include the cost for testing samples. Cost of additional samples will be reimbursed at the unit rate. • PLM (180 samples) $_____/sample • PLM Point Count (25 counts) unit price $_____/count • TEM (10 total) $_____/TEM • TCLP for lead (1) $_____/TCLP • PCB Source Samples (27 Source Samples) $_____/sample	**$**	
Provide hourly labor rate for to sample adjacent materials if initial PCB Source Samples exceed 50 ppm, or 1ppm if not an excluded product	**$**	
Provide unit price to examine/test adjacent sample material	**$**	
Provide Costs for each Item Below		
Provide PCB specification and performance based plan (Lump Sum)	**$**	
Provide PCB specification with SIP (Self-Implementing Plan)	**$**	
Abatement Monitoring Services		
Provide lump sum for abatement monitoring (project monitor) (Assume 50 days) Hourly Rate = $_____/hr (straight time)	**$**	
Provide overtime rate beyond 8-hours per day for abatement monitoring	**$**	**/hr**
Provide management lump sum (Assume 100-hours) Hourly Rate = $_____/hr	**$**	
PCM 24-hour turn around test unit rate	**$**	**/test**
TEM 24-hour turn around test unit rate	**$**	**/test**
TEM 6-hour turn around test unit rate	**$**	**/test**
PCB verification sampling unit rate (5-day turn around)	**$**	**/sample**
Travel Mileage Rate (Not-To-Exceed 100 miles per day), not to exceed Federal Rate	**$**	**/mile**

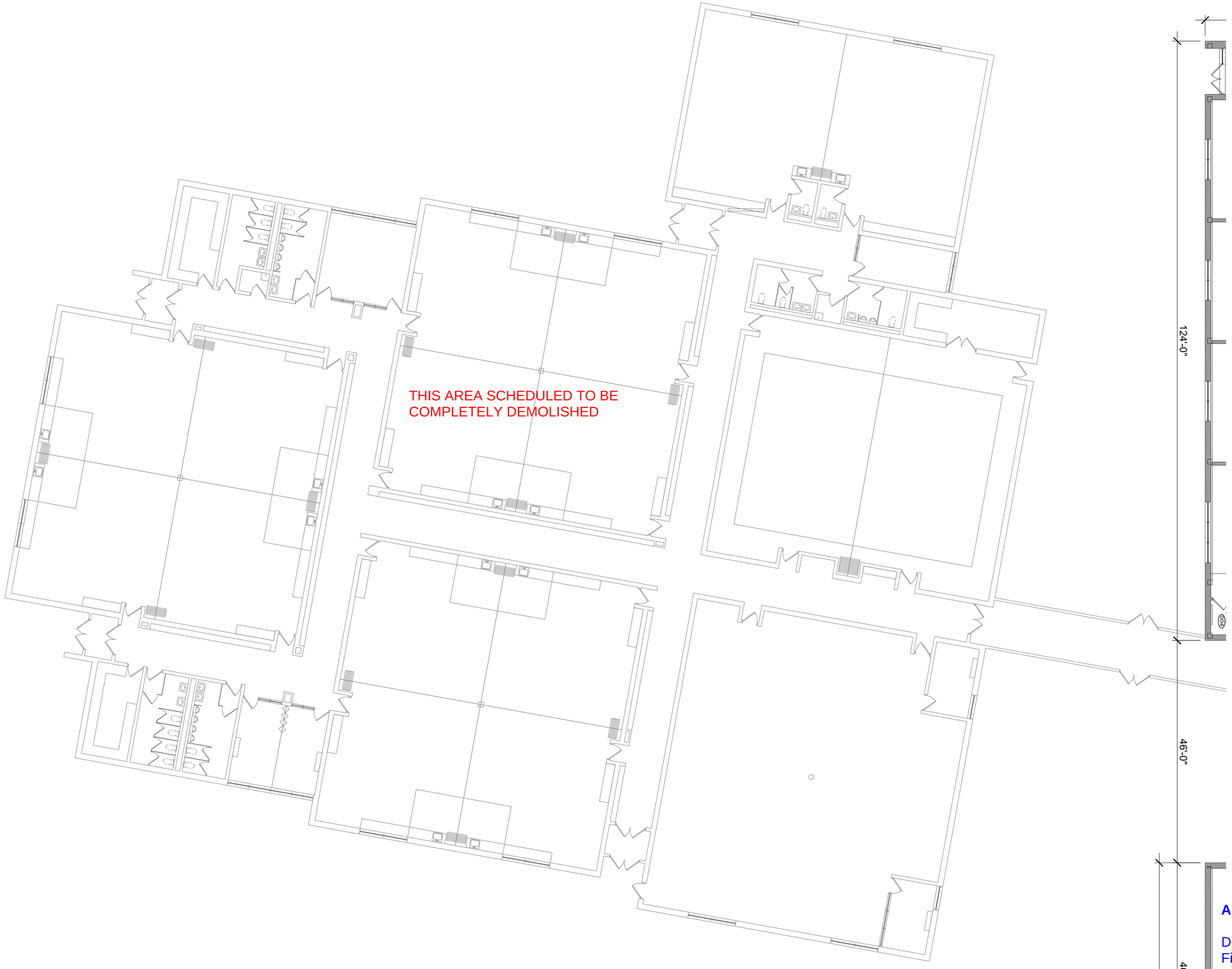
Appendix A – Deans Mill Floor Plans



Appendix A:

Deans Mill School
First Floor Plan - Part A
35 Deans Mill Road
Stonington, CT 06378

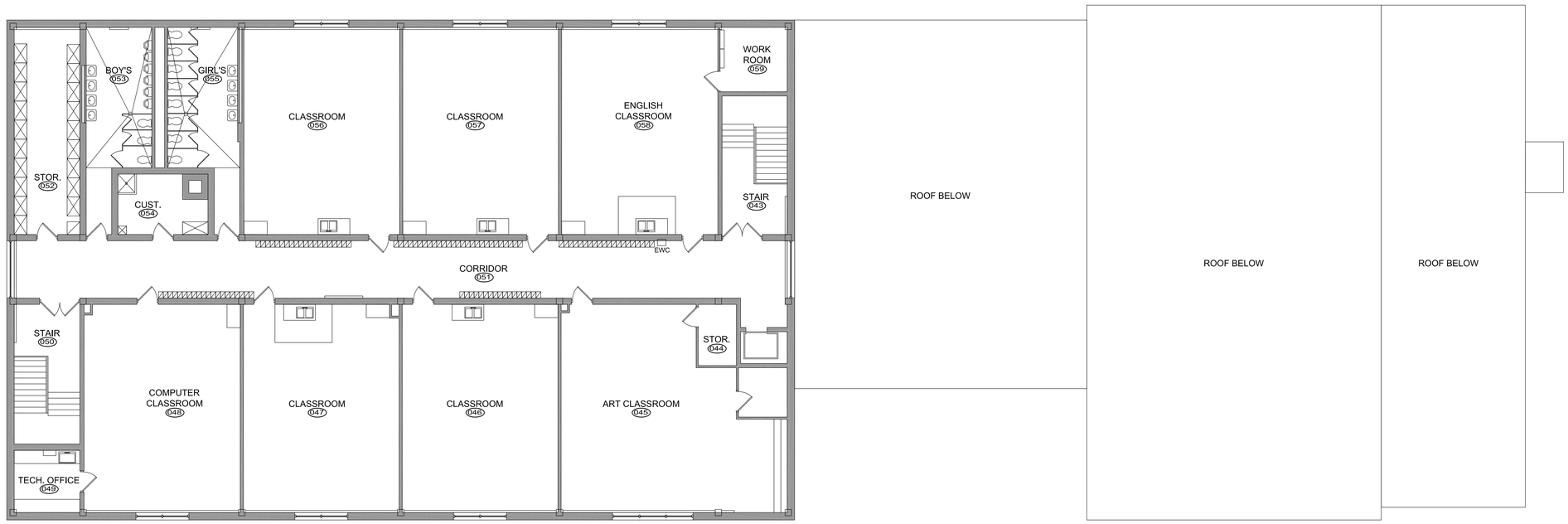
Scale: 1/8" =1'-0"



Appendix A:

Deans Mill School
First Floor Plan - Part B
35 Deans Mill Road
Stonington, CT 06378

Scale: 1/8" =1'-0"

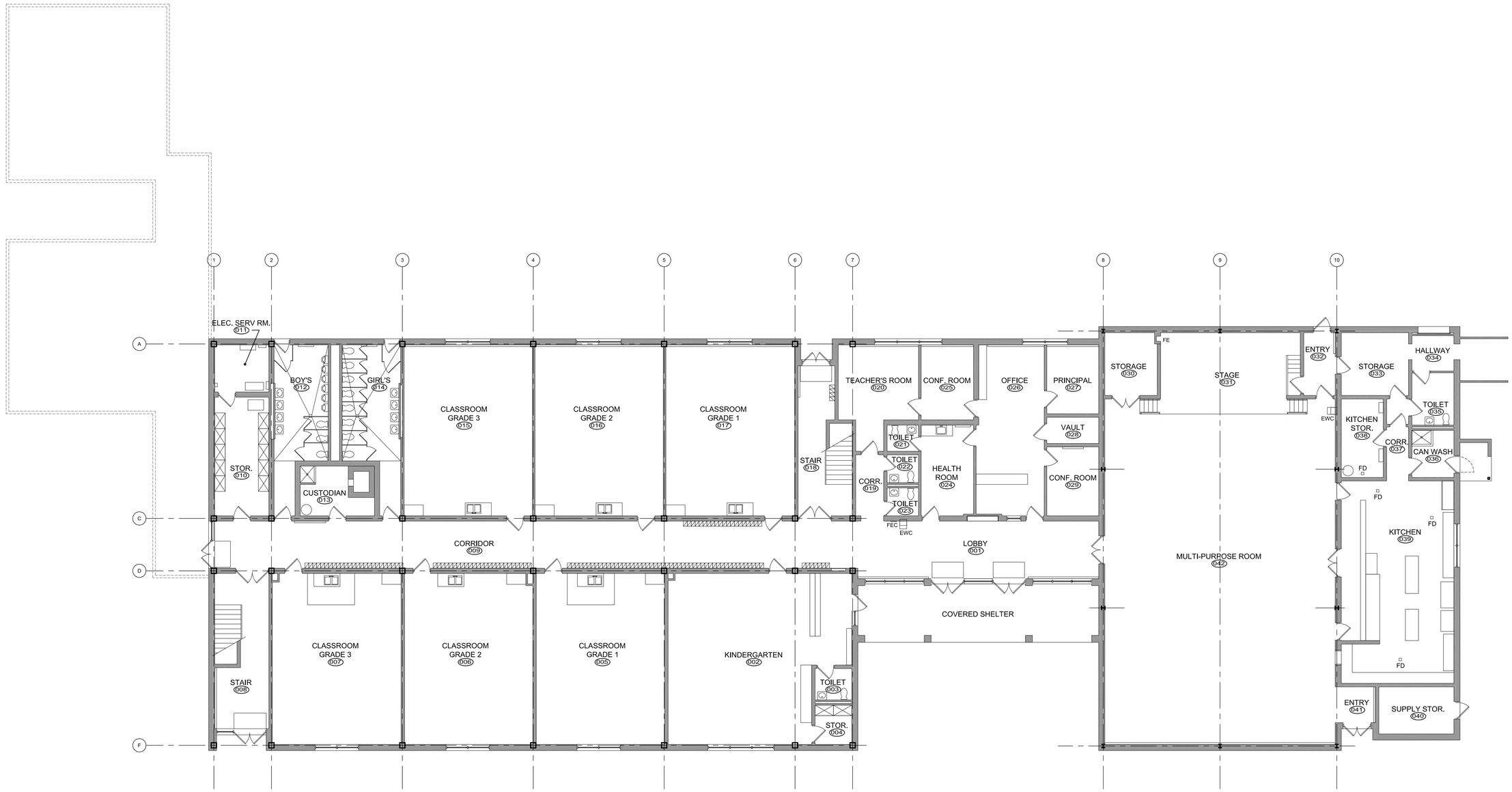


Appendix A:

Deans Mill School
Second Floor Plan
35 Deans Mill Road
Stonington, CT 06378

Scale: 1/8" =1'-0"

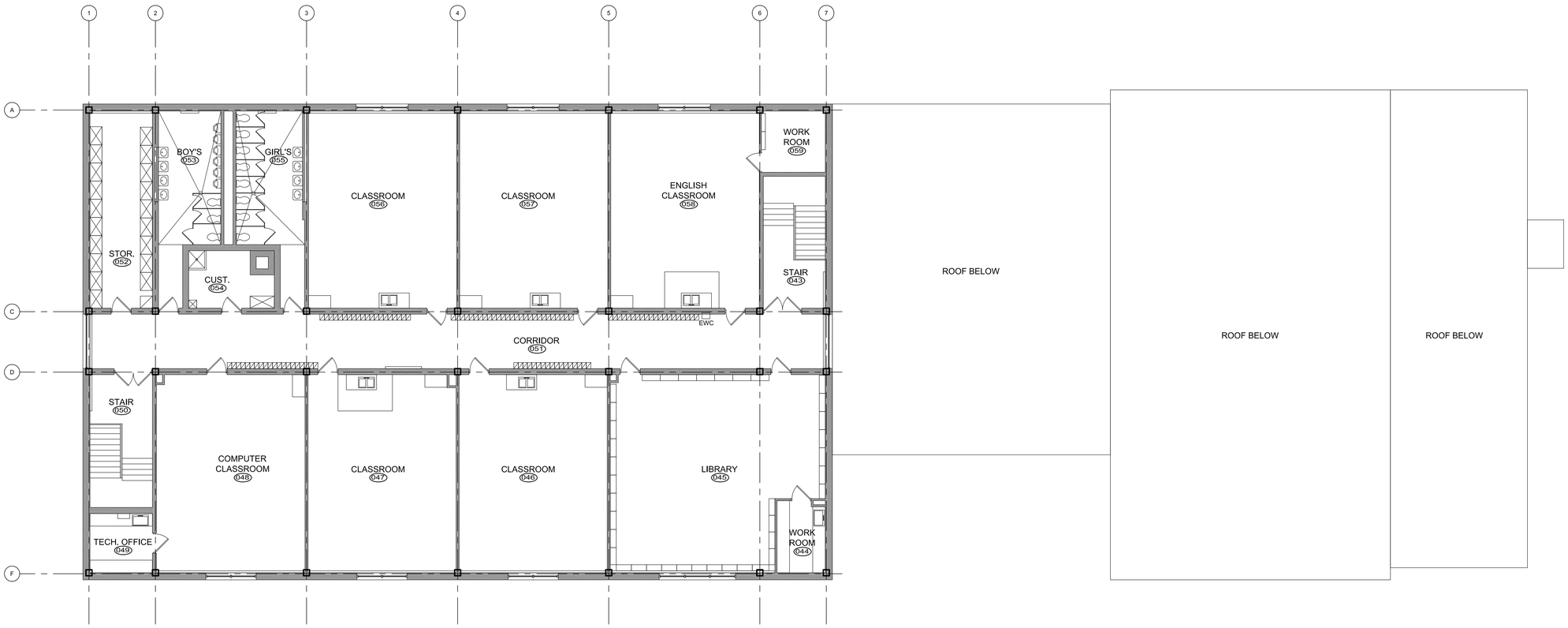
Appendix B – West Vine Street Floor Plans



Appendix B:

West Vine Street School
First Floor Plan
17 West Vine Street
Pawcatuck, CT 06379

Scale: 1/8" =1'-0"



Appendix B:

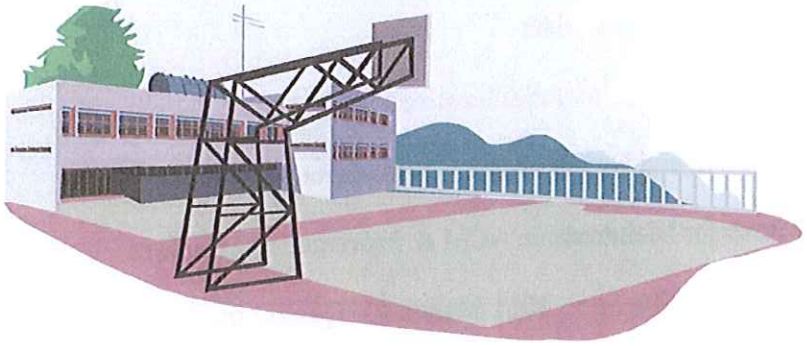
West Vine Street School
Second Floor Plan
17 West Vine Street
Pawcatuck, CT 06379

Scale: 1/8" =1'-0"

Appendix C – Deans Mill Asbestos Management Plan Update Three Year Inspection

ASBESTOS MANAGEMENT PLAN UPDATE
THREE YEAR REINSPECTION

April 2013



Deans Mill Elementary School
Deans Mill Rd
Stonington, Connecticut

SERVICES AND REPORT PERFORMED BY:
MYSTIC AIR QUALITY CONSULTANTS, INC.
1204 NORTH ROAD
GROTON, CONNECTICUT 06340

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THREE YEAR REINSPECTION
AND MANAGEMENT PLAN UPDATE

LOCAL EDUCATION AGENCY (LEA) MANDATORY REPORT DOCUMENTATION OF THREE-YEAR REINSPECTION FOR ASBESTOS-CONTAINING MATERIALS

This document is required to be filed in accordance with Section 19a-333-3(b) of the Regulations of Connecticut State Agencies (Asbestos Containing Materials in Schools)

INSTRUCTIONS to the Local Education Agency:

1. This form must be typewritten.
2. If any space allowed is inadequate, continue on the reverse of this sheet, or attach a second page.
3. Return original form to the State of CT Department of Public Health, 410 Capitol Ave, PO Box 340308, Hartford, CT 06134-0308 **within thirty days of completion of inspection.** Return a signed copy to the consultant.
4. Place a **copy of the completed form** in the central office management plan with each of the school's plans.

Stonington Public Schools
LOCAL EDUCATION AGENCY

49 Old Mystic Road Old Mystic, Connecticut 06355
ADDRESS

School Name and Address	Date Management Plan Accepted by State	Current Reinspection Date	Next Reinspection Due
West Broad School - West Broad Street	10/1990	4/ 2013	4/ 2016
West Vine School- West Vine Street	10/1990	4/2013	4/2016
Deans Mill School - Deans Mill Road	10/1990	4/2013	4/2016
Old Mystic Administration Building Old Mystic Road	10/1990	4/2013	4/2016

* (USE ADDITIONAL FORMS TO LIST ADDITIONAL SCHOOL BUILDINGS)

Inspector/s: Lois D. Taylor *Signature:* Lois D. Taylor
Please attach copies of current Inspector license and current refresher certificate

Management Planner: Lois D. Taylor *Signature:* Lois D. Taylor
Please attach copies of current Management Planner license and current refresher certificate

LEA Designated Person: Bernie Worden *Signature:* Bernie Worden
Please attach documentation of training

- I, Bernie Worden, am the designated person for this local education agency - I understand my responsibilities as the designated person, and have reviewed the management planner's recommendations.

- It is required that new custodial and maintenance employees attend a two (2) hour asbestos awareness training program within 60 working days of employment. Documentation that such training has been provided must be included in the management plan.

(OVER, PLEASE)

(860) 509-7367 / Fax (860) 509-7378
410 Capitol Avenue – MS #51 AIR
P.O. Box 340308 Hartford, CT 06134

DESIGNATED PERSON'S STATEMENT OF ASSURANCE

Purpose: Our management Plan is required to contain a true and correct statement signed by the individual designated by the Local Education Agency (the "Designated Person") which certifies that the general LEA's responsibilities, as stipulated by regulations of Connecticut State Agencies (RCSA) 19a-333-1 to13 have been met or will be met.

The Local Education Agency General Responsibilities:

a) We have designated a person to ensure that requirements under this section are properly implemented. {RCSA 19a-333-2 (g)}

b) The Designated Person has received adequate training to perform the duties assigned under this section. {RCSA 19a-333-2 (h)}

c) We will and have ensured that the activities of any persons who perform inspections, reinspections, periodic surveillances, develop and update management plans , and develop and implement response actions (including O&M), are carried out in accordance with {RCSA 19a-333-2 (a)}.

d) We have trained all custodial and maintenance employees as required by this {RCSA 19a-333-2(b)} and other applicable Federal and/or State regulations.

e) We have informed and will yearly inform workers and building occupants, or their legal guardians, of inspections, response actions, and post-response action activities, including periodic reinspections and surveillance activities that are planned or in progress. Copies of all notifications are maintained in this Management Plan. {RCSA 19a-333-2 c) }

f) We have ensured that the short-term workers (telephone repair workers, utility workers, ...) who may come into contact with asbestos in a school are provided with information regarding the location of ACBM and suspected ACBM assumed to be ACM. The method of compliance is maintained with this plan. {RCSA 19a-333-2(d)}

g) We have ensured that the waning labels are posted in accordance with {RCSA 19a-333-2(e)}

h) We have ensured that management plans are available for inspection and notification of such availability has been provided as specified in the management plan under {RCSA 19a-333-2(f)}.

i) We have and will continue to consider whether any conflict of interest may arise from the interrelationship among accredited personnel and whether that should influence the selection of accredited personnel to perform activities under this section {RCSA 19a-333-2 (i)}.

j) We have and will continue to ensure that any person oor group who designs or conducts a response action, other than O & M, with respect to ACBM or PACM be fully accredited by an accreditation program in accordance with sections RCSA section 20-440-2(a), RCSA section 20-440-5(a and b).
k) Ensure all recordkeeping requirements are ongoing according to RCSA 19a-333-11.

I, the Designated Person for Stonington Public Schools
State the above information is true to the best of my knowledge.

Bernie Worden
Signature

Bernie Worden
Name

1/9/2013
Date

Designated Person Certifications

Certificate of Training

Awarded to

BERNIE WORDEN

For successful completion of an annual

Asbestos Awareness Training

Designed for L.E.A. Designated Persons

OCTOBER 31, 2011

Recommended by EPA for AHERA Designed Persons in Schools and required by State of Connecticut Statute 19a-333-2 (h) (1-5)

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ADPAT20533 **Exam Grade: 100** **Exam Date: 10/31/2011** **Expiration Date: 10/31/2012**

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Haffey, Training Director

Certificate of Training

Awarded to

BERNIE WORDEN

For successful completion of an

Asbestos Operations and Maintenance Refresher

November 6, 2013

Required by EPA 40 CFR 763.92 (2)(1)(2) and
OSHA 29 CFR 1926.1101 for Class III Operations

Presented by

Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: AOMR22609 **Exam Grade: 100** **Exam Date: 11/06/2013** **Expiration Date: 11/06/2014**

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director
Richard Haffey, Training Director

Current Notification of Management Plan Availability

ROSTER OF ACM AND ASSUMED ACM

ROSTER OF ASBESTOS CONTAINING
& ASSUMED ASBESTOS CONTAINING MATERIALS
3 Year Reinspection – April 2013

Inspector: Lois D. Taylor - MAQC
School Building Name: Deans Mill School
Street/City/Zip: Deans Mill Road Stonington, CT 06378

ACCESSIBLE	LOCATION	AMOUNT	MATERIALABATED (check) Yes (date) No
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , Storage room see complete listing reassessment pages.	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
All roof drains insulation	Above ceiling tiles in Music room, Room 204, Computer lab and Auditorium.	10 sq. ft.	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

Please add comments or details concerning areas of partial abatement in a particular area:

If materials were abated please note on periodic surveillance forms also!!

ROSTER OF ASBESTOS CONTAINING
& ASSUMED ASBESTOS CONTAINING MATERIALS
3 Year Reinspection – April 2013

Inspector: Lois D. Taylor - MAQC
School Building Name: Deans Mill School
Street/City/Zip: Deans Mill Road Stonington, CT 06378

ACCESSIBLE – Flooring	LOCATION	AMOUNT	MATERIALABATED (check) Yes (date) No
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room, Health office, Stairwells,2nd floor storage room, Sink areas in classrooms. Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms, main office.	11,000 sq. ft.	
1x1 black & white floor tile and mastic	Hallways in addition	8000 sq. ft.	
1x1 brown floor tile and mastic	Small areas in Rooms 317, 318, 303-306.	500 sq. ft.	
1x1 red floor tile and mastic	Small areas in Rooms 308-311.	350 sq. ft.	
1x1 white floor tile and mastic	Storage rooms in addition and small areas in Rooms 313-316.	350 sq. ft.	
Carpet over suspect material	Upper wing – Upper and Lower level classrooms, main office.	12,000 sq. ft.	

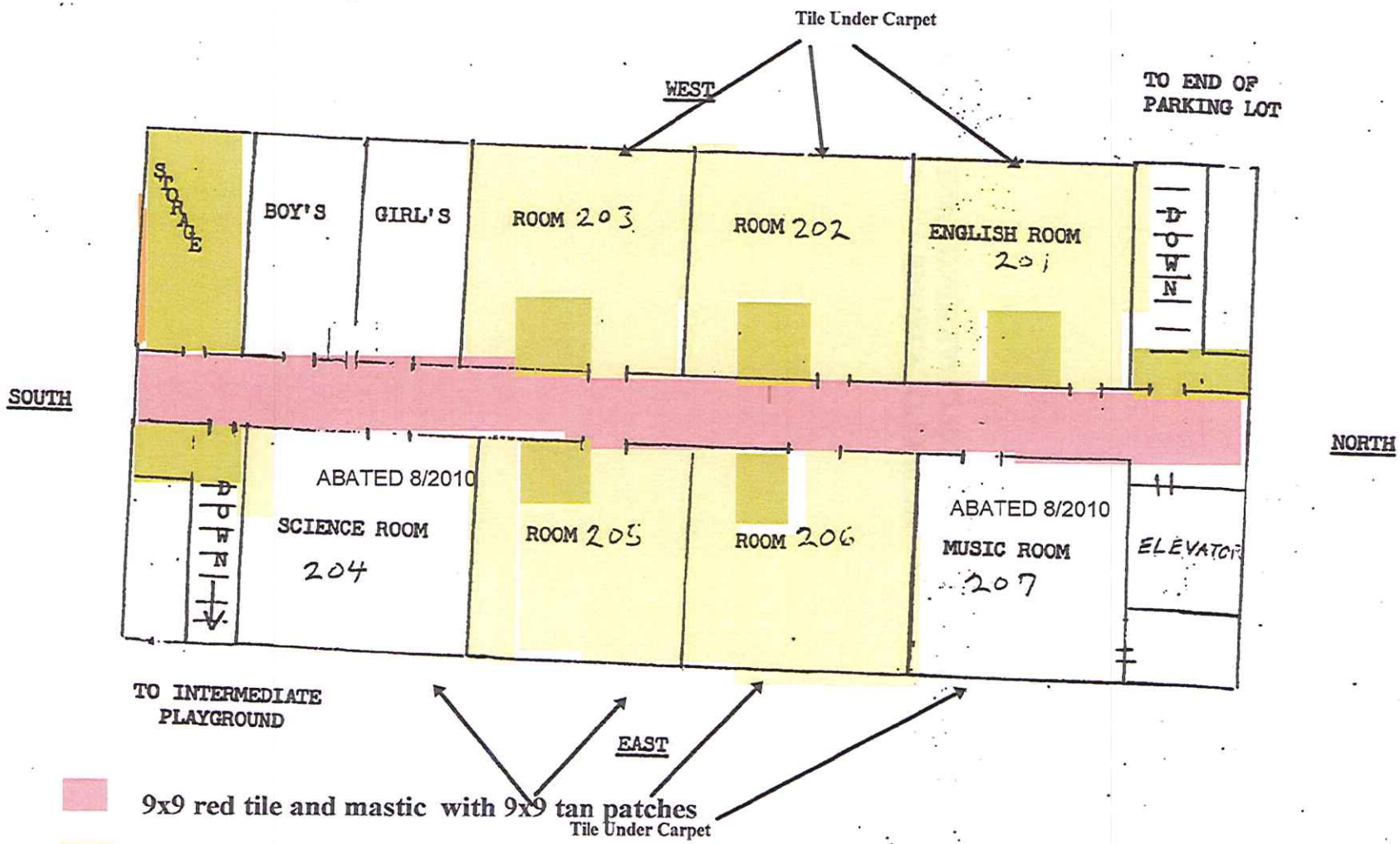
Please add comments or details concerning areas of partial abatement in a particular area:

If materials were abated please note on periodic surveillance forms also!!

DIAGRAMS OF FLOOR COVERINGS AND OTHER ACBM LOCATIONS

DEANS MILL SCHOOL

UPPER WING UPPER LEVEL



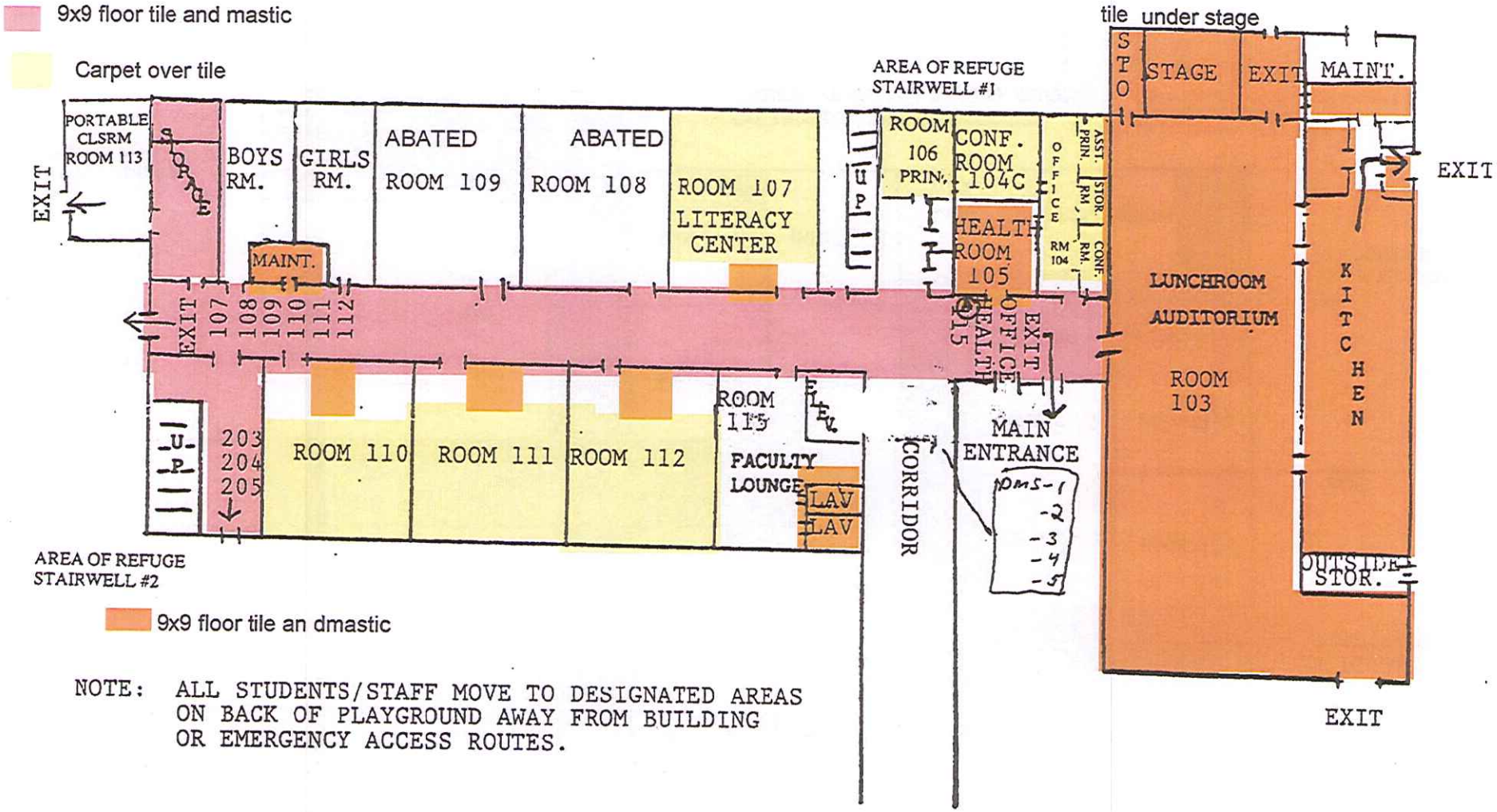
9x9 red tile and mastic with 9x9 tan patches

Carpet over suspect materials

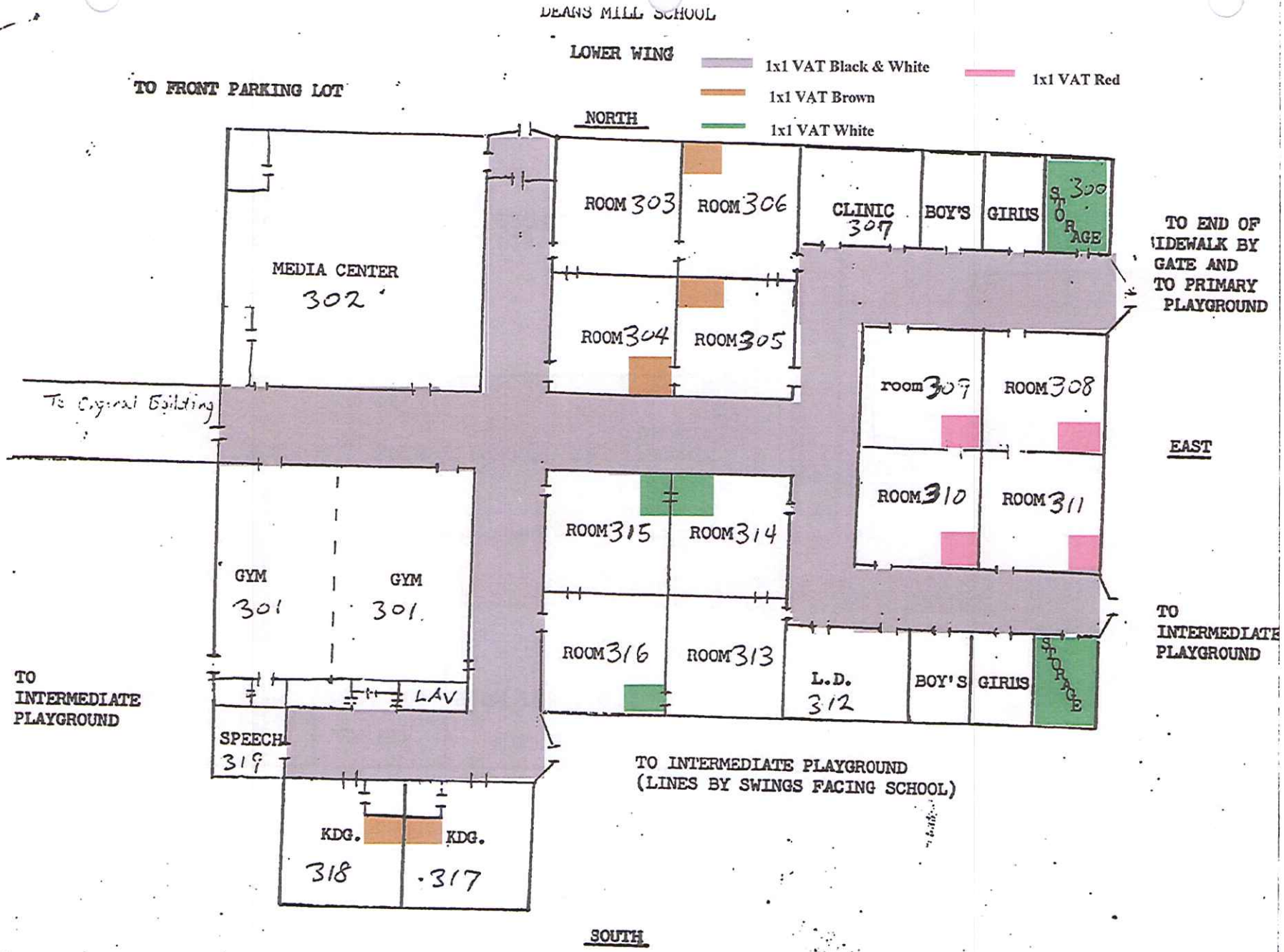
9x9 tan floor tile and mastic

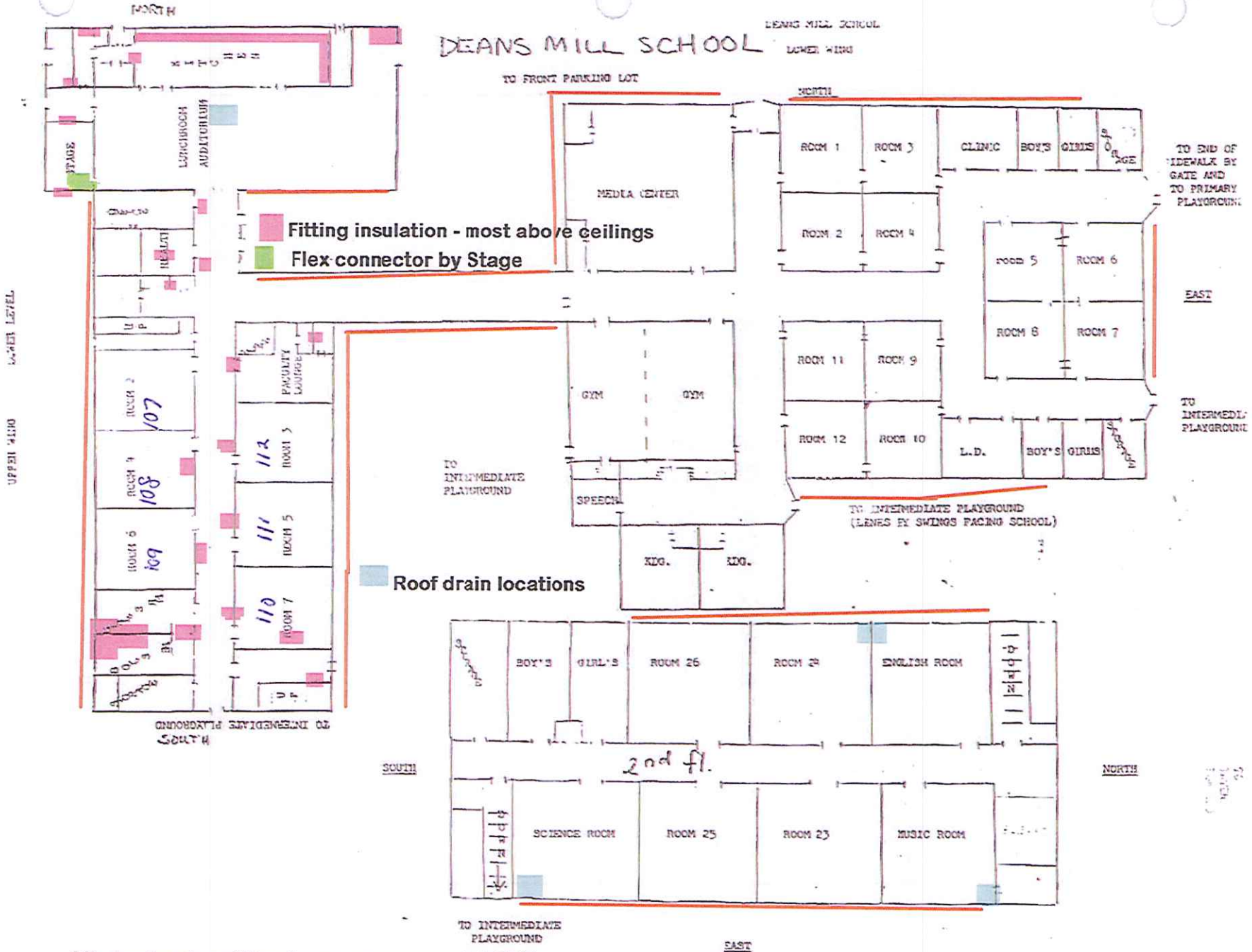
DEANS MI[illegible] CHOOL

UPPERWING
1ST FLOOR



NOTE: ALL STUDENTS/STAFF MOVE TO DESIGNATED AREAS ON BACK OF PLAYGROUND AWAY FROM BUILDING OR EMERGENCY ACCESS ROUTES.


DEANS MILL SCHOOL
LOWER WING
1x1 VAT Black & White
1x1 VAT Red
1x1 VAT Brown
1x1 VAT White
TO FRONT PARKING LOT
NORTH
ROOM 303
ROOM 306
CLINIC 307
BOY'S
GIRLS
STORAGE 300
TO END OF SIDEWALK BY GATE AND TO PRIMARY PLAYGROUND
MEDIA CENTER 302
ROOM 304
ROOM 305
To Original Building
room 309
ROOM 308
EAST
ROOM 310
ROOM 311
ROOM 315
ROOM 314
GYM 301
GYM 301
TO INTERMEDIATE PLAYGROUND
ROOM 316
ROOM 313
L.D. 312
BOY'S
GIRLS
STORAGE
TO INTERMEDIATE PLAYGROUND
LAV
SPEECH 319
TO INTERMEDIATE PLAYGROUND (LINES BY SWINGS FACING SCHOOL)
KDG. 318
KDG. 317
SOUTH


DEANS MILL SCHOOL
LOWER WING
TO FRONT PARKING LOT
NORTH
STAGE
LUNCHROOM AUDITORIUM
MEDIA CENTER
ROOM 1
ROOM 3
CLINIC
BOYS
GIRLS
ROOM 2
ROOM 4
ROOM 5
ROOM 6
ROOM 8
ROOM 7
TO END OF SIDEWALK BY GATE AND TO PRIMARY PLAYGROUND
EAST
Fitting insulation - most above ceilings
Flex connector by Stage
GYM
GYM
ROOM 11
ROOM 9
ROOM 12
ROOM 10
L.D.
BOY'S
GIRLS
TO INTERMEDIATE PLAYGROUND
SPEECH
TO INTERMEDIATE PLAYGROUND (LINES BY SWINGS FACING SCHOOL)
KIN.
KIN.
Roof drain locations
UPPER WING
LOWER LEVEL
ROOM 2
107
ROOM 4
108
ROOM 6
109
FACULTY LOUNGE
112
ROOM 3
111
ROOM 5
110
ROOM 7
TO INTERMEDIATE PLAYGROUND
SOUTH
BOY'S
GIRL'S
ROOM 26
ROOM 24
ENGLISH ROOM
2nd fl.
SCIENCE ROOM
ROOM 25
ROOM 23
MUSIC ROOM
SOUTH
NORTH
TO INTERMEDIATE PLAYGROUND
EAST
All sheetrock and fire doors are assumed ACBM.
All window glazing/caulking cmpds.

REASSESSMENT OF KNOWN OR ASSUMED ACBM

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature)
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature) Lois D Taylor
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 1) Vinyl Floor Tile and Mastic – Throughout
See floor plan of colors and sizes noted on the following pages.

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: Approx. 51,000 sq. ft.

CONDITION/FRIABILITY: UD/NF **Minor localized damage near several door thresholds on lower level. 3 sq. ft. each**

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program immediately.
Do not sand, grind or abrade.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

Protect human health and the environment.

Note: All cove moldings and associated mastics shall also be assumed to contain asbestos. It may also be cost effective to sample damaged areas to prove material is asbestos containing prior to abatement.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature)

MANAGEMENT PLANNER: (print) Lois D. Taylor (signature) Lois D Taylor
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 2) Elbows, Fittings, Valves and Tees – Throughout School
(See Listing on Following Page)

SAMPLE #'S: 1986 Sample, A-3

TYPE: TSI

QUANTITY: Approx. 120 ln. ft.

CONDITION/FRIABILITY: UD/F

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program Immediately.

Label Material.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

Maintain TSI in undamaged condition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

Dean's Mill School's LIST

Elbows, fittings, valves and tee's

LOCATION	QUANTITY	CONDITION
AHU room, side of stage	11 ln. ft.	UD
Hall to Outside, side of stage	4 ln. ft.	UD
Above ceiling, entry to kitchen	8 ln. ft.	UD
Above ceiling, over kitchen sink	4 ln. ft.	UD
Above ceiling, over dishwasher	4 ln. ft.	UD
Under Kitchen sink	4 ln.ft.	UD
Hall outside Health room	5 ln. ft.	UD
Above ceiling, hall outside Room1	9 ln. ft.	UD
Above ceiling, hall outside Room 3-7	8 ln. ft.	UD
Above ceiling, health room	6 ln. ft.	UD
Above ceiling, girls bathroom 1st fl.	4 ln. ft.	UD
Above ceiling, boys bathroom 1st fl.	4 ln. ft.	UD
Teacher's lounge/Kindegarten storage room	8 ln. ft.	UD
Above ceiling, Teacher's lounge bathroom	5 ln. ft.	UD
Custodian's room 1st floor	2 ln. ft.	UD
Roof drains, second floor		
Main Office outside above ceiling	1 ln.ft.	UD
Inside V. Principal's office	1ln.ft.	UD
Inside Room 7 above ceiling near chalkboard	1.5 ln. ft.	UD
Inside Music Room above ceiling	2 sq. ft.	UD
Inside Room 24 above ceiling	2 sq. ft.	UD

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) *Lois D. Taylor* (signature)

MANAGEMENT PLANNER: (print) Lois D. Taylor (signature) Lois D Taylor

STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 3) AHU – Flexible Connectors storage by stage

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: 3 sq. ft.

CONDITION/FRIABILITY: UD/NF

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program Immediately.

Label Material.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 4) Boy's Bathroom, 1st Floor Behind Hatch – Elbows, Fittings, Valves and Tees

SAMPLE #'S: Not Sampled

TYPE: TSI

QUANTITY: Unknown – Material Runs into Wall

CONDITION/FRIABILITY: Inaccessible at time of reinspection.

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program Immediately.

Label Material.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

Maintain TSI in undamaged condition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
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Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature)

MANAGEMENT PLANNER: (print) Lois D. Taylor (signature) Lois D Taylor

STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 6) Roof Drains – Above Suspended Ceiling Tiles
Music Room, Room 24, Computer Lab and Auditorium

SAMPLE #'S: Not Sampled

TYPE: TSI

QUANTITY: 10 sq. ft.

CONDITION/FRIABILITY: UD/F

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program Immediately.

Label Material.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

Maintain TSI in undamaged condition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) Lois D. Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature) L D Taylor
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 6) Sheetrock/Wallboard - Various areas throughout the school, many areas are inaccessible.

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: Unknown

CONDITION/FRIABILITY: UD/F

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance plan.

RATIONALE/COMMENTS: Since there may be a number of different homogeneous areas of wallboard, all wallboard must be assumed to contain asbestos. If any specific areas are going to be disturbed, the material in that area should be sampled and analyzed for asbestos content.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 7) Fire Doors - All doors throughout school

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: Unknown

CONDITION/FRIABILITY: UD/F

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance plan.

RATIONALE/COMMENTS:

Since there may be a number of different types of fire doors throughout all buildings, all doors must be considered asbestos containing. The suspect asbestos containing material in the doors is typically inaccessible. Samples taken from any one door may not be representative of other doors in the school. Prior to performing any maintenance on any door (lock changes, planing, sanding or drilling, etc.) the specific door should be sampled by qualified personnel to determine composition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: Deans Mill School **DATE:** 4/9/13
SCHOOL ADDRESS: Deans Mill Road
Stonington, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 8) Window Caulking and Glazing – All windows throughout facility

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: Unknown

CONDITION/FRIABILITY: UD/NF

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance plan.

RATIONALE/COMMENTS:

Since there may be a number of different types of window caulkings and glazings throughout all buildings, all window caulkings and glazings must be considered asbestos containing. Samples taken from any one window may not be representative of other windows in the school. Prior to performing any maintenance on any window that could disturb the caulkings or glazings the specific window should be sampled by qualified personnel to determine composition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

Standard Maintenance Procedures for ACM including Preventative Measures

Standard Maintenance Procedures for ACM including Preventative Measures

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

These asbestos containing or assumed asbestos containing building materials commonly found in schools may or may not be in this particular building. For those which apply, the following maintenance procedures and preventative measures will be implemented. Note that the materials in the beginning of the list tend to be more accessible and those at the end of the list tend to be inaccessible materials. This list is not all inclusive – see the roster of materials in this specific management plan for these or other materials.

"Proper asbestos operations" referenced below require: (a) review of AMP to determine sampling results, (b) collection of samples by a licensed inspector if sample results are not available, (c) disturbance of less than 3 square feet of asbestos-containing material conducted only by a person trained in O&M operations (16 hr training), (d) disturbance or removal of more than 3 square feet of asbestos-containing material conducted only by 32 hour trained abatement workers and 40 hour trained asbestos abatement supervisors employed by a state licensed asbestos abatement contractor.

This information will be presented as part of the asbestos awareness 2 hour training program given to employees at hire and annual refreshers as well as to outside contractors.

This section complies with CT schools rule regulation 19a-333-6 (d)(6) requiring a list of "preventative measures which might eliminate the reasonable likelihood of undamaged ACM from becoming damaged or significantly damaged."

Resilient flooring (tiles, linoleum and mastic)

Asbestos containing and assumed asbestos containing resilient floor coverings, including floor tiles and linoleum products, should be kept in good repair. The acceptable OSHA recommended maintenance procedures include the following: When stripping floors use only wet methods and use buffer speeds under 300 rpm. Never cause flooring to be abraded, chipped, drilled, gouged, or sanded. Resilient floors should be kept well polished to protect against fiber release and not be allowed to be removed from floors without proper asbestos operations.

Vinyl cove base moldings and adhesives

Asbestos containing and assumed asbestos containing wall baseboard vinyl cove molding products and their adhesives (mastics) should be kept in good repair and not be allowed to be cut into, abraded, or peeled off walls without proper asbestos operations.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Floor and cove molding substrates

The same is true of working with resilient floorings and cove moldings that have a non-asbestos designation. The adjacent and underlying floor mastics and adhesives and wall substrates (especially plaster or sheet rock) must also be reviewed for asbestos content considerations before they are disturbed by the activity on the resilient flooring and cove molding themselves, including possibilities of multiple layers of flooring or molding adhesives.

Carpeting

Though carpeting is not a suspect asbestos containing material, there are asbestos related preventative measures associated with carpeting. Carpets may be adhered to asbestos containing floorings and have asbestos containing carpet adhesives. Additionally carpeting placed directly onto cement floors may be contaminated with floor tile mastics from previous flooring applications. In either case, carpet removal will only be performed after appropriate review of potential disturbance of underlying asbestos containing or suspect asbestos containing materials has been performed and without proper asbestos operations.

Wall and ceiling plaster and sheet rock and joint compound

Asbestos containing and assumed asbestos containing wall and ceiling plasters, sheetrock and joint compound should be kept in good repair and not be allowed to be cut into, abraded, drilled, nailed or screwed into, without proper asbestos operations. This includes, but is not limited to, brackets for hanging items, settings for anchoring cable or wire trays, mounting or insertion of electrical wire, conduit, junction boxes, light fixtures or outlets, mounting or inserting thermostats, fire suppression system mounting, etc.

In addition, accessing areas above fixed ceilings or behind walls through access panels and hatchways is an activity likely to disturb potentially present asbestos or suspect asbestos containing materials in the plenum above the tiles such as but not limited to spray-on fireproofing, pipe and pipe fitting insulations, duct insulations, roof drain insulation, etc. Before accessing these areas by opening access panels or hatches, the AMP will be reviewed to identify areas considered restricted for such access. Also labels signifying the presence of asbestos containing materials will be proactively sought out adjacent to or on the face of or on the underside of such panels.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Ceiling tiles and materials overhead

There are two designations for ceiling tiles commonly used in AMPs: suspended or lay-in tiles and acoustical tiles. Suspended or lay-in ceiling tiles rest in a grid work attached at the walls with channels and hung by wires from the overhead above the grid. Acoustical tiles are affixed by a variety of means, including but not limited to, sliding into a metal channel right at the overhead (so-called spline ceiling), nailing, adhering with glue daubs, adhering with a troweled on adhesive.

Asbestos containing and assumed asbestos containing ceiling tiles should be kept in good repair and not be allowed to be cut into, abraded, drilled, nailed or screwed into, without proper asbestos operations. This includes, but is not limited to, installing or replacing light bulbs; hanging decorative or instructional materials from tiles; using the grid work for supporting materials; cutting or drilling to make access for electrical, computer, cable TV, security, phone lines, etc. This also applies to acoustical ceiling tiles mounted to walls for sound proofing in areas such as but not limited to band rooms, language labs, computer or typing labs, remedial reading or speech therapy rooms, etc.

In addition, accessing areas above suspended ceiling tiles is an activity likely to disturb potentially present asbestos or suspect asbestos containing materials in the plenum above the tiles such as but not limited to spray-on fireproofing, pipe and pipe fitting insulations, duct insulations, roof drain insulation, etc. Before accessing these areas by removing tiles, the AMP will be reviewed to identify areas considered restricted for such access.

The same is true of working with acoustical tiles that have a non-asbestos designation. The adjacent associated substrates and adhesives (glue daubs, troweled on adhesive or mastic, plaster or sheet rock) must also be reviewed for appropriate proper asbestos operations considerations before they are disturbed by the activity on the tiles themselves.

Black boards, bulletin boards and substrates

Black boards, white erase boards, and bulletin boards are seldom suspect asbestos containing materials (some black board slates are). The adjacent associated substrates and adhesives (glue daubs, troweled on adhesive or mastic, plaster or sheet rock) must also be reviewed for appropriate proper asbestos operations considerations before these wall hung and affixed boards are removed or renovated so as to prevent asbestos substrate disturbance by the activity on the boards themselves.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Pipe insulation

Asbestos containing and assumed asbestos containing pipe insulation should be kept in good repair, labelled, and not be allowed to be stepped on, climbed on, cut into, drilled, or disturbed in any other way, without proper asbestos operations. This includes preventative measures to prevent insulation deterioration by contact or water damage, such as, but not limited to, not hanging decorative or instructional materials from pipe insulations; storing maintenance materials (ladders, fire extinguishers, protective clothing, tools, etc.) away from pipe insulations; placing protective metal caging or shields between insulations and sources of physical impact (insulations in storage areas, insulations in gym and locker areas, insulations in access lanes in mechanical spaces, etc.) as long as the shields do not themselves come in contact with the insulation and their installation does not disturb the insulation. Any methods of protecting pipe insulation from damage that involves physical contact with the insulation itself must be conducted only as activities employing proper asbestos operations.

Flex connectors in duct work & duct insulation

The identical maintenance and preventative measures apply to duct insulation as those noted above for pipe insulation. Additionally, woven cloth flex connectors that are located between sections of ductwork are usually assumed to be asbestos containing because sampling them for your AMP could compromise their integrity and perhaps cause a fiber release inside the ductwork. Operations involving installation of sensors for measuring temperature, humidity, flow rate or air quality within the ducts and any duct cleaning operations can not disturb these insulations without proper asbestos controls.

Boiler packings & interior mechanical and HVAC component insulation

Within HVAC and mechanical system components there may be asbestos containing interior insulations, packings and/or gaskets not listed in your AMP because access to them under normal conditions is not feasible. Whenever systems or system component interiors are going to be maintained or when these components are extracted from the system, these asbestos containing or assumed asbestos containing materials must only be handled as proper asbestos operations. This includes, but is not limited to, boiler packing between tubes, boiler door gaskets, fire brick and lining insulations in fireboxes. Since it is not uncommon to leave interior components intact when exterior boiler insulations are removed, it is essential to examine the details of boiler insulation abatements in the AMP records before proceeding with any interior boiler (or other HVAC component) activity.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Not necessarily to the exclusion of materials listed previously in this section, many of the following materials may not be listed in your AMP (Asbestos management Plan). This is because they are (a) usually not sampled and are carried automatically as other or inaccessible suspect materials, or (b) they are not required by asbestos in schools rules to be included in the inspection and management plan protocol.
Nevertheless they are potential sources of asbestos fiber release episodes and are for that reason included in this section of your Asbestos management Plan dealing with maintenance of asbestos containing materials and preventative measures.

Insulation inside fire doors

Fire doors are sometimes marked with an embossed metal plaque located on the door jamb or on the inside edge of the door that closes against the jamb nearest the hinges. There is no guarantee that such an identification exists on every door. Universal precautions apply as a key preventative measure for disturbing these interior, inaccessible materials. They may be in the form of a loose powder, as a honeycombed fireproofing material or as a sheet product placed within the door.

Preventative measures for these products include removing doors only by loosening the hinges and closing restraints by removing pins or by extracting screws in the door jamb only. Doors requiring servicing should be physically removed to a controlled area so the servicing can be performed as a proper asbestos operation. Such servicing includes any activity that compromises the integrity of the outer seal of the door, such as, but not limited to, changing out locks or door hardware for normal repair or for handicap access codes, resizing doors so they fit over newly installed floor coverings or carpeting, installing viewing ports through doors, drilling holes for attaching newly placed hinges or door closing restraints.

Cafeteria vent hoods & interior kitchen/cooking component insulation

Within cafeteria cooking vent hoods and inside kitchen service or cooking components (such as dish washers and dryers or stoves and ovens or freezers and refrigerators) there may be asbestos containing interior insulations, packings and/or gaskets not listed in your AMP because access to them under normal conditions is not feasible. Whenever these systems or system component interiors are going to be maintained or when these components are extracted from the building, these asbestos containing or assumed asbestos containing materials must only be handled as proper asbestos operations. This includes, but is not limited to, degreasing operations, sanitizing operations, appliance maintenance and replacement.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Lab hoods and counter tops

Asbestos containing and assumed asbestos containing lab fume hoods and lab counter tops should be kept in good repair and not be allowed to be cut into, drilled, or disturbed in any other way, without proper asbestos operations. This includes, but is not limited to, disturbance caused by refitting sink openings; adding, replacing, removing or adjusting ports for water, gas, venting or sensor equipment; refacing hoods with new protective shields; or maintaining surfaces that have been damaged.

Safes and fireproof filing cabinets

Safes and file cabinets are sometimes lined with asbestos filler for fire proofing purposes. Asbestos containing and assumed asbestos containing safe or file cabinet insulation should be kept in good repair and not be allowed to be abraded cut into, drilled, or disturbed in any other way, without proper asbestos operations. This includes, but is not limited to, installation of new locking mechanisms, procedures required to open a device whose keys or combinations have been lost, salvaging materials after a fire, or overfilling storage areas past their capacity etc. A common indication that the insulation integrity has been compromised and that an asbestos response may be appropriate is the presence of otherwise unexplainable powder or dust on the contents of the safes or filing cabinets.

Window caulking and glazing compounds

As exterior materials asbestos containing and assumed asbestos containing window caulking and window glazing compounds are often times not cited in school AMPs. They tend to be added at times of three year reinspections. Window caulking is the term used for weatherproofing materials applied between the outer frame of a window and the exterior frame of the building component into which the window cavity is made (wood, brick, stone, metal, etc.). Window glazing compound is the putty-like material used to hold the glass (glazing) of the window pane in the frame of the window against the outside edge of the window sash and the mullions or against the frame of a one pane window. In some cases, these materials may be on the inside of the window as well (casement windows, wire reinforced metal sash and mullion windows. These caulkings and glazing compounds should be kept in good repair and not be allowed to be chipped, picked at, cut into, scraped off, discarded or disturbed in any other way, without proper asbestos operations. This includes, but is not limited to, general painting and maintenance activities to ensure weatherproofing on windows, replacing broken windows or window panes, and most essentially, during window replacement projects.
Caution: It is typical to find leaded paint on these exterior components.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Exterior transite panels

Asbestos containing and assumed asbestos containing transite panels should be kept in good repair and not be allowed to be broken, abraded, cut into, drilled, or disturbed in any other way, without proper asbestos operations. These materials are often found in areas not required to be examined for school inspections and may therefore not be in your AMP including, but not limited to, soffits, window walls and curtain walls (sometimes with a matching panel on the interior of the building frame and inaccessible behind heating components or other wall finishes).

Common activities performed that require preventative measures so as not to disturb or erode these transite panels include, but are not limited to, exterior painting and wall finish maintenance; power washing; placement of ladders to access roof edges, eaves and soffits, and windows; or placing exterior brackets and fixtures associated with outdoor lighting, security cameras, utility lines, cable access, telephone lines, etc.

For major renovation projects such as new building additions or window replacement or roof replacement it is imperative to augment your AMP inspection with a NESHAPS inspection and sampling of these materials if they are not specifically already listed as sampled in your program. Materials found to be asbestos containing or asbestos contaminated (in the case of soffit or parapet transite in contact with ACM roof flashing) must only be handled as part of a proper asbestos operation.

Roofing materials and roof flashing

Asbestos containing and assumed asbestos containing roofing materials and roof flashings should be kept in good repair and not be allowed to become deteriorated, cut into, drilled, or disturbed in any other way, without proper asbestos operations. These materials are generally not required to be examined for school inspections and may therefore not be in your AMP.

General roof leak repair and common activities for other building systems that can disturb roofing can not be performed without proper asbestos operations. These activities include, but are not limited to, resealing penetrations, installing antennas, dishes or other similar communications equipment, repairing obstructed roof drains or roof mounted HVAC vents or components.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Roofing materials and roof flashing (continued)

For major renovation projects such as installation of skylights or HVAC equipment requiring roof penetrations, new building additions or roof replacement it is imperative to augment your AMP inspection with a NESHAPS inspection and sampling of these materials if they are not specifically already listed as sampled in your program. Activities for materials found to be asbestos containing or asbestos contaminated (in the case of layered or built up roofing) must only be handled as part of a proper asbestos operation.

BULK SAMPLING REPORTS COLLECTED DURING REINSPECTION OR INTERIM PERIOD

SELECTION OF SAMPLING LOCATIONS FOR 3 YEAR REINSPECTIONS

THERE WERE NO BULK SAMPLES TAKEN AT THE TIME OF THIS INSPECTION OR IN THE INTERIM

SELECTION OF SAMPLING LOCATIONS

Sampling procedures were accomplished in accordance with AHERA regulations Each homogeneous area of material whether it was surfacing, thermal system insulation, or miscellaneous was sampled in a statistically random fashion. The area was gridded into 9 equal units and random number generation scheme employed to locate a sample area.

Where such a random method would cause noticeable damage to the sampled material and/or create the potential for a fiber release, one or more of the following non-destructive sampling schemes was substituted:

1. A representative area of material that was damaged was sampled.

2. A replacement material known to be the same material as the material in place was sampled.

3. Areas that would be representative of the homogeneous are, but which were concealed to normal vision were sampled.

In cases where one of these non-destructive sampling techniques was employed, the summary report specifies the sample with the label "NDS".

SURVEY LIMITATIONS

Every attempt was made to accurately reassess all accessible and known ACBM. There can not be a guarantee that all asbestos containing materials have been located or identified. Some of the reasons for this are:

1. Sampling was performed on a random basis and the material was assumed to be homogeneous. The possibility does exist that the material composition may differ where the samples were taken.

2. Only exposed materials have been sampled. Some concealed or difficult to reach suspect ACBM has been included in the survey based on certain assumptions. Examples would be the glue behind ceiling tiles.

3. Multiple samples were collected to minimize error. The chance of laboratory or human error is small but real.

4. The NOTES section of this report includes a general EPA roster of suspect ACBM. These materials if present in this building should be considered ACBM unless sampling proves otherwise.

PERIODIC SURVEILLANCE FORMS

Periodic surveillance.

EPA and AHERA Asbestos program management requires that the in-place accessible ACM and suspect ACM will be inspected every six months to look for any signs of changes in the condition of the asbestos-containing materials.

A minimum of 2 hours awareness training is required to conduct periodic surveillance if there is no change in condition. If there is a change in condition a certified asbestos inspector will need to assess and reevaluate the materials. The person or persons performing these re-inspections will be familiar with the asbestos program. The following pages are pre-dated copies of the periodic inspection forms to cover the next five such periodic surveillances. These should be completed and re-inserted in this section of both the school and administrative office copies of the management plan.

Upon completion of a periodic surveillance, copies should be submitted to the LEA Designated person within a week's time of the inspection. If, however, the periodic surveillance detects a change in the condition of some asbestos-containing materials since the prior inspection, reinspection and periodic surveillance, the LEA Designated person will be notified within one working day from the time of the inspection which sets into motion the appropriate response actions, carried out by EPA certified and State licensed inspectors, management planners, project designers, abatement supervisors and workers, and/or O&M personnel, as applicable.

Additionally, one blank copy of a form is provided at the end of this section for the licensed inspector to use when assessing materials reported with changes in condition.

PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**
School Building Name: Deans Mills
Street/City/Zip:

Accessible	LOCATION	AMOUNT	CONDITION (check) Change No change
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room, Health office, Stairwells,2nd floor storage room, Sink areas in classrooms Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms, main office.	11,000 sq. ft.	
1x1 black & white floor tile and mastic	Hallways in addition	8000 sq. ft.	
1x1 brown floor tile and mastic	Small areas in Rooms 317, 318, 303-306.	500 sq. ft.	
1x1 red floor tile and mastic	Small areas in Rooms 308-311.	350 sq. ft.	
1x1 white floor tile and mastic	Storage rooms in addition and small areas in Rooms 313-316.	350 sq. ft.	
Carpet over suspect material	Upper wing – Upper and Lower level classrooms, main office.	12,000 sq. ft.	

Areas of carpet may overlay inaccessible asbestos containing tile please comment on carpet condition here:

The purpose of this periodic surveillance to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

If there is a change in condition notify the LEA Designated person within 1 working day or an accredited Building Inspector (3-day training certification) can assess the condition of materials that are changed since the last surveillance using forms attached. Only a certified asbestos Management Planner can select a response action to changed conditions.

PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**

School Building Name: Deans Mill

Street/City/Zip:

MATERIAL	LOCATION	AMOUNT	CONDITION Change/No Change
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , see complete listing reassessment pages, Teacher's room bath	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
All roof drains insulation	Above ceiling tiles in Music room, Room 204, Computer lab and Auditorium.	10 sq. ft.	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

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PERIODIC SURVEILLANCE FORM
{Certified Asbestos Inspector's Assessment Report
On ACM With Changed Condition Noticed in Periodic Surveillance}

Date: 10/15/09 **Inspector: Lois Taylor**

School: West Vine School
Street/City/Zipcode: West Vine Street Stonington, CT

Type & Location of `ACM 9x9 red floor tile & mastic
Quantity of Materials Affected
_380 sq. ft.

Assessment:

1. Evidence of physical damage: __Broken _Lifting and missing tiles

2. Evidence of water damage:
__None

3. Evidence of delamination or other deterioration:
_____Yes

4. Degree of accessibility of the material: (check one)
High _____ Medium _____ Low ___X_____.

5. Degree of activity near the material: (check one)
High _____ Medium ____X_____ Low _____.

6. Location in an air plenum, air shaft, or air stream: _____None

7. Other observations (including the condition of the encapsulant or enclosure, if any): _
_____None

Action Taken: _Sealed area with poly, Posted warning signs and scheduled abatement for Christmas Break 2009

Action Approved by: _____ Date _____.
(Asbestos Designated Person)

LABORATORY CERTIFICATIONS

State of Connecticut, Department of Public Health
Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THE DEPARTMENT.

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

LOCATED AT 7469 White Pine Road IN Richmond, VA 23237

AND REGISTERED IN THE NAME OF Jerzy Gazewski

THIS CERTIFICATE IS ISSUED IN THE NAME OF Abbey Simonds (Director, Chemistry
Mark Cage (Co-Director, Asbestos) WHO HAS BEEN DESIGNATED
BY THE REGISTERED OWNER (AUTHORIZED AGENT) AS BEING IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS
AIR FIBER COUNTING (PCM)
BULK IDENTIFICATION (PLM)

PAINT, SOIL, DUST, WIPES
Examination for
LEAD

NON-POTABLE WATER/WASTEWATER, SOLID WASTE/SOIL
Examination for
INORGANIC CHEMICALS

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES June 30, 2012 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 30th DAY OF June, 2010

Registration
No.
PH-0234

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

AIHA

Laboratory Accreditation Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Mystic Air Quality Consultants, Inc.

1204 North Road (Route 117), Groton, CT 06340

Laboratory ID: 100129

has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC thereby, conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories.* The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA-LAP, LLC in the following:

ACCREDITATION PROGRAMS

✓	INDUSTRIAL HYGIENE	Accreditation Expires: 01/01/2012
☐	ENVIRONMENTAL LEAD	Accreditation Expires:
☐	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires:
☐	FOOD	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA website for the most current status of the scope of accreditation.

Pamela A. Kostle

Pamela A. Kostle, CIH
Chairperson, Analytical Accreditation Board

Date Issued: 12/01/2009

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

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Mystic Air Quality Consultants

LOCATED AT 1204 North Road IN Groton, CT 06340

AND REGISTERED IN THE NAME OF Christopher J. Eident

THIS CERTIFICATE IS ISSUED IN THE NAME OF Christopher J. Eident WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER\AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS

Examination For:
Air – Fiber Counting (PCM)

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES June 30, 2012 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 4th DAY OF June, 2010

Registration No.

PH - 0630

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

Inspector and Management Planner certifications

Certificate of Training

Awarded to

Lois Taylor

(DOB 7/6/62)

For successful completion of a 24 Hour, 3 Day

Asbestos Building Inspector

Initial Training Course

April 7 - 9, 1997

Required by OSHA and the EPA Revised MAP
for accreditation under the TSCA Title II
as self-certified by Trainer 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, Connecticut

Certificate Number: 342AIC | Exam Grade: 100% | Exam Date: 4/9/97 | Expiration Date: 4/9/98

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

LOIS TAYLOR

(DOB 07/06/1962)

For successful completion of a 16 Hour, 2 Day

Asbestos Management Planner

Initial Training Course

MAY 7 & 8, 2001

This training was approved and given in accordance with Department of Health Standards established pursuant to section through 19a-332a of the Connecticut General Statutes and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMPIE170 | Exam Grade: 98% | Exam Date: 05/08/2001 | Expiration Date: 05/08/2002

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

This program was presented at the Courtyard Marlton in Cromwell, CT. For asbestos management planners and inspectors, this course was approved for this site by the CTDPH.

LOIS TAYLOR

For successful completion of an 8 Hour, 1 Day

Asbestos Inspector & Management Planner

Annual Refresher Training

MARCH 17, 2010

This training was approved and given in accordance with Regulations for Connecticut State Agencies RCSA 20-440-1-9 and RCSA 20-441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMPR18876 | Exam Grade: 93 | Exam Date: 03/17/2010 | Expiration Date: 03/17/2011

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSP/MGMT PLANNER

LOIS D. TAYLOR

LICENSE NO.
000211

CURRENT THROUGH
07/31/11

VALIDATION NO.
03-077779

Lois D. Taylor
SIGNATURE

COMMISSIONER

Certificate of Training

Awarded to

Lois Taylor

(DOB 7/6/62)

For successful completion of a 24 Hour, 3 Day

Asbestos Building Inspector

Initial Training Course

April 7 - 9, 1997

Required by OSHA and the EPA Revised MAP
for accreditation under the TSCA Title II
as self-certified by Trainer 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, Connecticut

Certificate Number: 342AIC

Exam Grade: 100%

Exam Date: 4/9/97

Expiration Date: 4/9/98

Christopher J. Eidont, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

LOIS TAYLOR

(DOB 07/06/1962)

For successful completion of a 16 Hour, 2 Day

Asbestos Management Planner

Initial Training Course

MAY 7 & 8, 2001

This training was approved and given in accordance with
Department of Health Standards established pursuant to section
through 19a-332-23 of the Connecticut General Statutes and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: EMP18170

Exam Grade: 92%

Exam Date: 05/08/2001

Expiration Date: 05/08/2002

Christopher J. Eidont, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

LOIS TAYLOR

For successful completion of an 8 Hour, 1 Day

Asbestos Inspector & Management Planner

Annual Refresher Training

March 20, 2013

This training was approved and given in accordance with
Regulations for Connecticut State Agencies
RCSA 20-440 - 1-9 and RCSA 20-441 and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: EMPR22080

Exam Grade: 97

Exam Date: 03/20/2013

Expiration Date: 03/20/2014

Christopher J. Eidont, CIH, CSP, RS

George Williamson, Training Director

Richard Hatlen, Training Director

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSP/MGMT PLANNER

LOIS D. TAYLOR

LICENSE NO.
000211

CURRENT THROUGH
07/31/13

VALIDATION NO.
03-435698

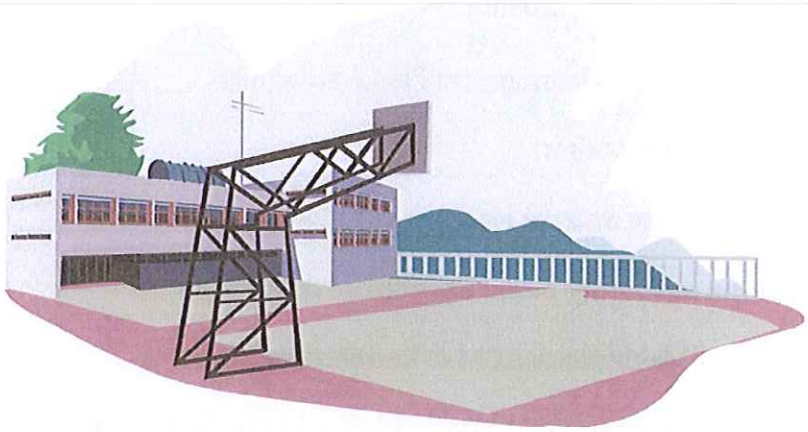
Lois D Taylor

COMMISSIONER

Appendix D – West Vine Asbestos Management Plan Update Three Year Inspection

ASBESTOS MANAGEMENT PLAN UPDATE
THREE YEAR REINSPECTION

April 2013



West Vine Elementary School
West Vine Street
Pawcatuck, Connecticut

SERVICES AND REPORT PERFORMED BY:
MYSTIC AIR QUALITY CONSULTANTS, INC.
1204 NORTH ROAD
GROTON, CONNECTICUT 06340

TABLE OF CONTENTS
THREE YEAR REINSPECTION
AND MANAGEMENT PLAN UPDATE

LOCAL EDUCATION AGENCY (LEA) MANDATORY REPORT DOCUMENTATION OF THREE-YEAR REINSPECTION FOR ASBESTOS-CONTAINING MATERIALS

This document is required to be filed in accordance with Section 19a-333-3(b) of the Regulations of Connecticut State Agencies (Asbestos Containing Materials in Schools)

INSTRUCTIONS to the Local Education Agency:

1. This form must be typewritten.
2. If any space allowed is inadequate, continue on the reverse of this sheet, or attach a second page.
3. Return original form to the State of CT Department of Public Health, 410 Capitol Ave, PO Box 340308, Hartford, CT, 06134-0308 **within thirty days of completion of inspection.** Return a signed copy to the consultant.
4. Place a **copy of the completed form** in the central office management plan with each of the school's plans.

Stonington Public Schools
LOCAL EDUCATION AGENCY

49 Old Mystic Road, Old Mystic, Connecticut 06355
ADDRESS

School Name and Address	Date Management Plan Accepted by State	Current Reinspection Date	Next Reinspection Due
West Broad School - West Broad Street	**10/1990**	**4/ 2013**	**4/ 2016**
West Vine School- West Vine Street	10/1990	4/2013	4/2016
Deans Mill School - Deans Mill Road	10/1990	4/2013	4/2016
Old Mystic Administration Building Old Mystic Road	10/1990	4/2013	4/2016

* (USE ADDITIONAL FORMS TO LIST ADDITIONAL SCHOOL BUILDINGS)

Inspector/s: **Lois D. Taylor** *Signature:* Lois D. Taylor
Please attach copies of current Inspector license and current refresher certificate

Management Planner: **Lois D. Taylor** *Signature:* Lois D. Taylor
Please attach copies of current Management Planner license and current refresher certificate

LEA Designated Person: **Bernie Worden** *Signature:* Bernie Worden
Please attach documentation of training

- I, Bernie Worden, am the designated person for this local education agency - I understand my responsibilities as the designated person, and have reviewed the management planner's recommendations.

- It is required that new custodial and maintenance employees attend a two (2) hour asbestos awareness training program within 60 working days of employment. Documentation that such training has been provided must be included in the management plan.

(OVER, PLEASE)

(860) 509-7367 / Fax (860) 509-7378
410 Capitol Avenue – MS #51 AIR
P.O. Box 340308 Hartford, CT 06134
Affirmative Action / An Equal Opportunity Employer

Designated Person Certifications

DESIGNATED PERSON'S STATEMENT OF ASSURANCE

Purpose: Our management Plan is required to contain a true and correct statement signed by the individual designated by the Local Education Agency (the "Designated Person") which certifies that the general LEA's responsibilities, as stipulated by regulations of Connecticut State Agencies (RCSA) 19a-333-1 to13 have been met or will be met.

The Local Education Agency General Responsibilities:

a) We have designated a person to ensure that requirements under this section are properly implemented. {RCSA 19a-333-2 (g)}

b) The Designated Person has received adequate training to perform the duties assigned under this section. {RCSA 19a-333-2 (h)}

c) We will and have ensured that the activities of any persons who perform inspections, reinspections, periodic surveillances, develop and update management plans , and develop and implement response actions (including O&M), are carried out in accordance with {RCSA 19a-333-2 (a)}.

d) We have trained all custodial and maintenance employees as required by this {RCSA 19a-333-2(b)} and other applicable Federal and/or State regulations.

e) We have informed and will yearly inform workers and building occupants, or their legal guardians, of inspections, response actions, and post-response action activities, including periodic reinspections and surveillance activities that are planned or in progress. Copies of all notifications are maintained in this Management Plan. {RCSA 19a-333-2 c) }

f) We have ensured that the short-term workers (telephone repair workers, utility workers, ...) who may come into contact with asbestos in a school are provided with information regarding the location of ACBM and suspected ACBM assumed to be ACM. The method of compliance is maintained with this plan. {RCSA 19a-333-2(d)}

g) We have ensured that the waning labels are posted in accordance with {RCSA 19a-333-2(e)}

h) We have ensured that management plans are available for inspection and notification of such availability has been provided as specified in the management plan under {RCSA 19a-333-2(f)}.

i) We have and will continue to consider whether any conflict of interest may arise from the interrelationship among accredited personnel and whether that should influence the selection of accredited personnel to perform activities under this section {RCSA 19a-333-2 (i)}.

j) We have and will continue to ensure that any person oor group who designs or conducts a response action, other than O & M, with respect to ACBM or PACM be fully accredited by an accreditation program in accordance with sections RCSA section 20-440-2(a), RCSA section 20-440-5(a and b).
k) Ensure all recordkeeping requirements are ongoing according to RCSA 19a-333-11.

I, the Designated Person for Stonington Public Schools
State the above information is true to the best of my knowledge.

Bernie Worden
Signature

Bernie Worden
Name

1/9/2013
Date

Certificate of Training

Awarded to

BERNIE WORDEN

For successful completion of an annual

Asbestos Awareness Training

Designed for L.E.A. Designated Persons

OCTOBER 31, 2011

Recommended by EPA for AHERA Designed Persons in Schools and required by State of Connecticut Statute 19a-333-2 (h) (1-5)

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ADPAT20533 **Exam Grade: 100** **Exam Date: 10/31/2011** **Expiration Date: 10/31/2012**

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Haffey, Training Director

Certificate of Training

Awarded to

BERNIE WORDEN

For successful completion of an

Asbestos Operations and Maintenance Refresher

November 6, 2013

Required by EPA 40 CFR 763.92 (2)(1)(2) and
OSHA 29 CFR 1926.1101 for Class III Operations

Presented by

Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: AOMR22609 **Exam Grade:** 100 **Exam Date:** 11/06/2013 **Expiration Date:** 11/06/2014

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director
Richard Haffey, Training Director

Current Notification of Management Plan Availability

ROSTER OF ACM AND ASSUMED ACM

ROSTER OF ASBESTOS CONTAINING
& ASSUMED ASBESTOS CONTAINING MATERIALS
3 Year Reinspection – April 2013

Inspector: Lois D. Taylor - MAQC
School Building Name: West Vine Street School
Street/City/Zip: West Vine Street Pawcatuck, CT 06379

ACCESSIBLE – Flooring	LOCATION	AMOUNT	MATERIALABATED (check) Yes (date) No
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room,Health office, Stairwells,2nd floor storage room, Sink areas in classrooms. Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms,	11,000 sq. ft.	

Please add comments or details concerning areas of partial abatement in a particular area:

If materials were abated please note on periodic surveillance forms also!!

ROSTER OF ASBESTOS CONTAINING
& ASSUMED ASBESTOS CONTAINING MATERIALS
3 Year Reinspection – April 2013

Inspector: Lois D. Taylor - MAQC
School Building Name: West Vine Street School
Street/City/Zip: West Vine Street Pawcatuck, CT 06379

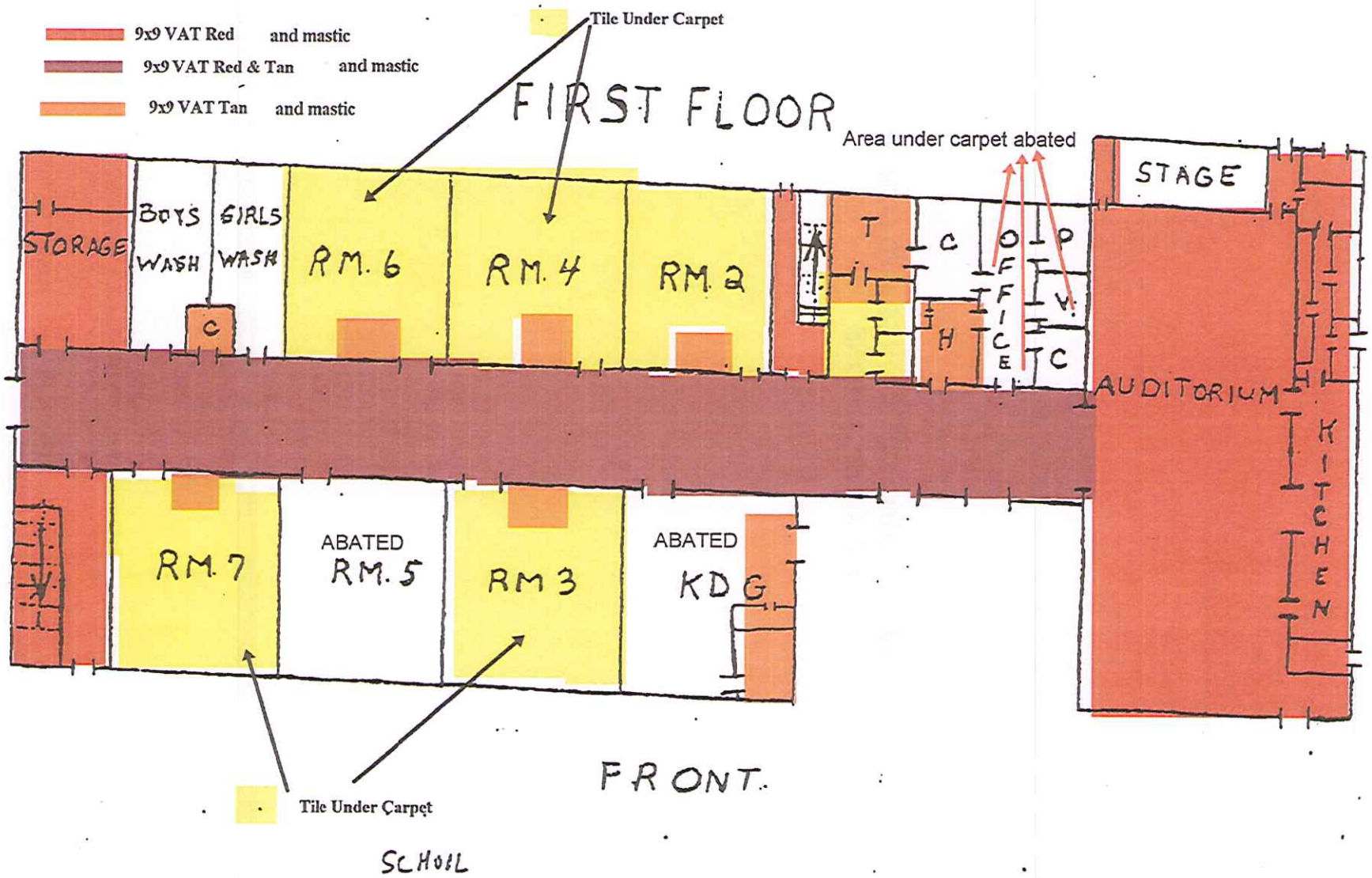
ACCESSIBLE	LOCATION	AMOUNT	MATERIALABATED (check) Yes (date) No
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , Storage room see complete listing reassessment pages.	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

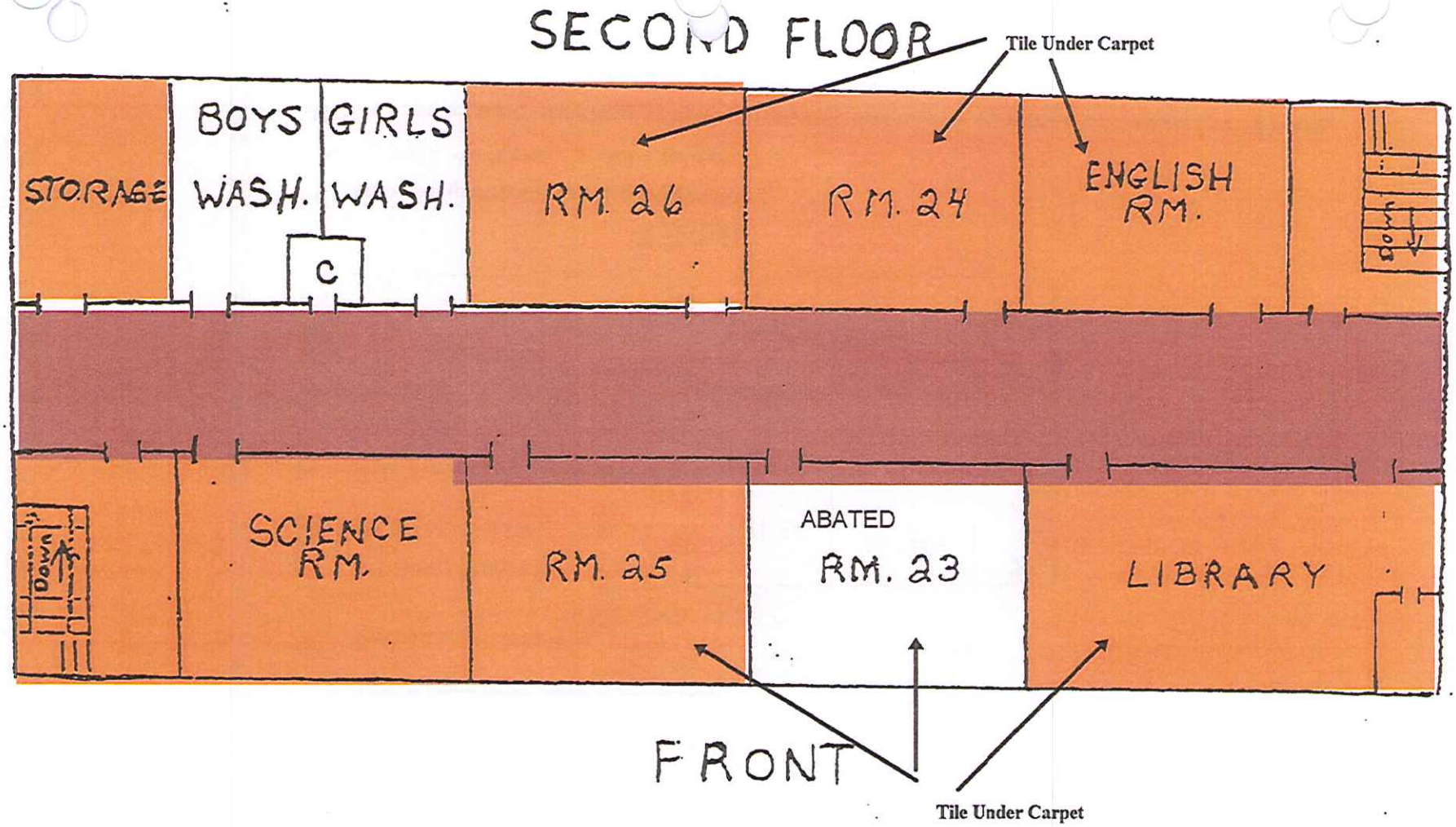
Please add comments or details concerning areas of partial abatement in a particular area:

If materials were abated please note on periodic surveillance forms also!!

DIAGRAMS OF FLOOR COVERINGS AND OTHER ACBM LOCATIONS

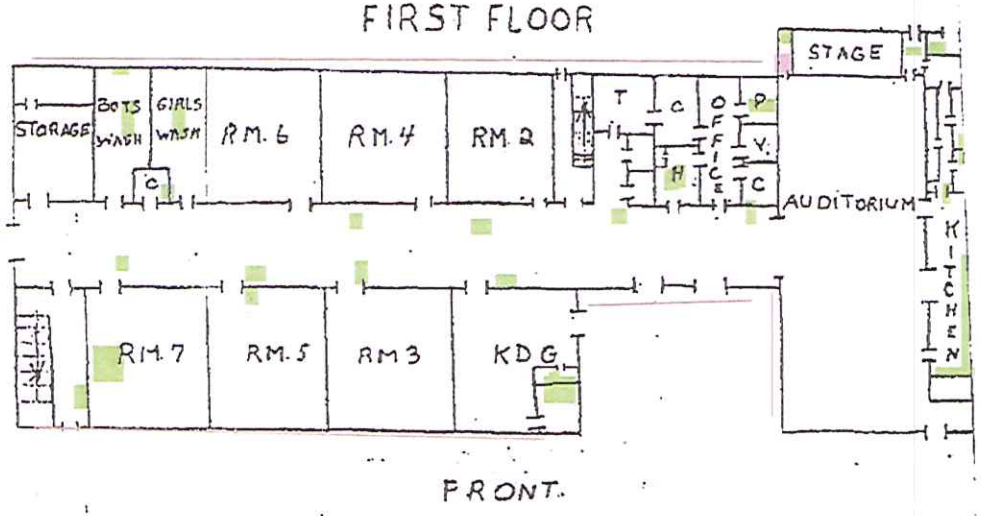
Vinyl Floor Tile Color Coded Diagram of Approx. Location





WEST VINE ST. SCHOOL; STONINGTON, CT

FIRST FLOOR

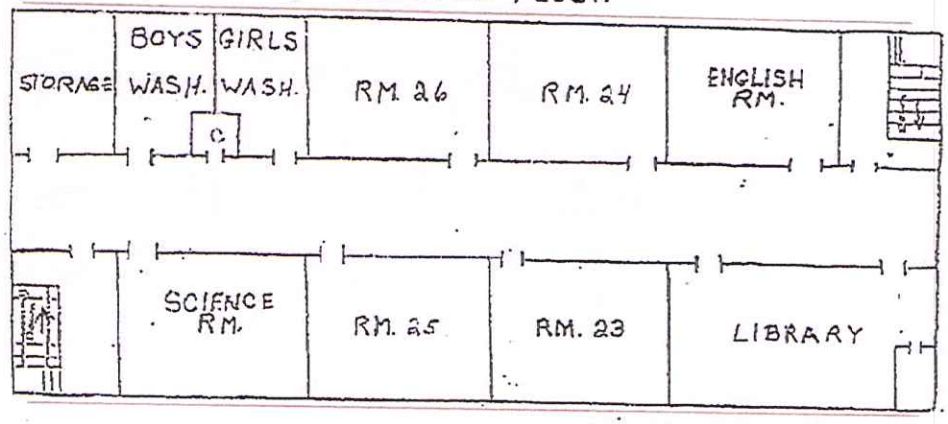


FRONT.

All fitting insulations - most above ceilings

Flex connector - AHU room

SECOND FLOOR



FRONT

All window glazing and caulking compounds

WEST VINE ST. SCHOOL; STONINGTON, CT

All sheetrock, cove molding adhesive and fire doors are assumed asbestos containing.

REASSESSMENT OF KNOWN OR ASSUMED ACBM

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: West Vine Street School **DATE:** 4/9/13
SCHOOL ADDRESS: West Vine Street
Pawcatuck, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 1) Vinyl Floor Tile and Mastic – Throughout
See floor plan of colors and sizes noted on the following pages.

Abatement of flooring beneath carpet in Main Office areas 2008 and room 1 and 5

SAMPLE #'S: Sampled 2008

TYPE: MISC

QUANTITY: Approx. 22,000 sq. ft.

CONDITION/FRIABILITY: D/NF Damaged flooring is beneaththe Stage in the Gym/Cafeteria. The area is presently sealed but requires abatement ASAP.
Also area near rear door in stairwell needs repair <3 sq. ft.

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program immediately.
Do not sand, grind or abrade.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release. Protect human health and the environment.

Note: All cove moldings and associated mastics shall also be assumed to contain asbestos. It may also be cost effective to sample damaged areas to prove material is asbestos containing prior to abatement.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: West Vine Street School **DATE:** 4/9/13
SCHOOL ADDRESS: West Vine Street
Pawcatuck, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 2) Elbows, Fittings, Valves and Tees -- Throughout School
(See Listing on Following Page)

SAMPLE #'S: 1986 Samples, D-1 through D-3

TYPE: TSI

QUANTITY: Approx. 130 ln. ft.

CONDITION/FRIABILITY: D/F Two fittings were unwrapped and require attention beneath the counter near the dishwasher in the kitchen.

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program Immediately.

Label Material.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

Maintain TSI in undamaged condition.

Repair as soon as possible!!!!

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: West Vine Street School **DATE:** 4/9/13
SCHOOL ADDRESS: West Vine Street
Pawcatuck, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 3) AHU – Flexible Connectors by Stage

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: 5 sq. ft.

CONDITION/FRIABILITY: UD/NF

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program Immediately.

Label Material.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ELBOWS, FITTINGS, VALVES AND TEES LISTING

LOCATION	QUANTITY
AHU room, side of stage	11 ln. ft.
Hall to outside, side of stage	4 ln. ft.
Food Storage room > Abated 7/98	1 ln. ft.
Hot Water Tank room > Abated 7/98	17 ln. ft.
Above ceiling, entry to kitchen	8 ln. ft.
Above ceiling, over kitchen sink	4 ln. ft.
Above ceiling, over dishwasher	4 ln. ft.
Under kitchen sink	4 ln. ft.
Under dishwasher	8 ln. ft.
Roof drains, Auditorium > Abated 7/97	4 ln. ft.
Hall outside health room	5 ln. ft.
Above ceiling, hall outside room 1	9 ln. ft.
Above ceiling, hall outside room 3 - 7	8 ln. ft.
Above ceiling, health room	6 ln. ft.
Above ceiling, kdg. bathroom	5 ln. ft.
Kdg. storage room	8 ln. ft.
Above ceiling, girls bathroom 1st floor	4 ln. ft.
Above ceiling, boys bathroom 1st floor	4 ln. ft.
Custodian's room, 1st floor	14 ln. ft.
Above ceiling, Principal's office	1 ln. ft.

All areas listed above are in undamaged condition.

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: West Vine Street School **DATE:** 4/9/13
SCHOOL ADDRESS: West Vine Street
Pawcatuck, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor

MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)

STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 4) Boy's Bathroom, 1st Floor Behind Hatch – Elbows, Fittings, Valves and Tees

SAMPLE #'S: Not Sampled

TYPE: TSI

QUANTITY: Unknown – Material Runs into Wall

CONDITION/FRIABILITY: Inaccessible at time of reinspection.

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance Program Immediately.

Label Material.

RATIONALE/COMMENTS: Reduce the likelihood of fiber release.

Maintain TSI in undamaged condition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: West Vine Street School **DATE:** 4/9/13
SCHOOL ADDRESS: West Vine Street
Pawcatuck, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor
MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)
STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 5) Sheetrock/Wallboard - Various areas throughout the school, many areas are inaccessible.

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: Unknown

CONDITION/FRIABILITY: UD/F

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance plan.

RATIONALE/COMMENTS: Since there may be a number of different homogeneous areas of wallboard, all wallboard must be assumed to contain asbestos. If any specific areas are going to be disturbed, the material in that area should be sampled and analyzed for asbestos content.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: West Vine Street School **DATE:** 4/9/13
SCHOOL ADDRESS: West Vine Street
Pawcatuck, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor

MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)

STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 6) Fire Doors - All doors throughout school

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: Unknown

CONDITION/FRIABILITY: UD/F

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance plan.

RATIONALE/COMMENTS:

Since there may be a number of different types of fire doors throughout all buildings, all doors must be considered asbestos containing. The suspect asbestos containing material in the doors is typically inaccessible. Samples taken from any one door may not be representative of other doors in the school. Prior to performing any maintenance on any door (lock changes, planing, sanding or drilling, etc.) the specific door should be sampled by qualified personnel to determine composition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE YEAR REINSPECTION AND
MANAGEMENT PLAN UPDATE
REASSESSMENT OF KNOWN OR ASSUMED ACBM

SCHOOL NAME: West Vine Street School **DATE:** 4/9/13
SCHOOL ADDRESS: West Vine Street
Pawcatuck, Connecticut

INSPECTOR: (print) Lois D. Taylor (signature) Lois D Taylor

MANAGEMENT PLANNER: (print) Lois D. Taylor (signature)

STATE OF ACCREDITATION: CT
ACCREDITATION NUMBER: 000326

AREA: 7) Window Caulking and Glazing – All windows throughout facility

SAMPLE #'S: Not Sampled

TYPE: MISC

QUANTITY: Unknown

CONDITION/FRIABILITY: UD/NF

DAMAGE POTENTIAL: P

RESPONSE ACTION/SCHEDULE: Place material in operations and maintenance plan.

RATIONALE/COMMENTS:

Since there may be a number of different types of window caulkings and glazings throughout all buildings, all window caulkings and glazings must be considered asbestos containing. Samples taken from any one window may not be representative of other windows in the school. Prior to performing any maintenance on any window that could disturb the caulkings or glazings the specific window should be sampled by qualified personnel to determine composition.

LEGEND: Types - TSI = Thermal System Insulation, SURF = Surfacing
MISC = Miscellaneous
Condition - UD = Undamaged, D = Damaged, SD = Signif. Damage
F = Friable, NF = Not Friable
Damage - P = Potential, SP = Significant Potential
Potential

Standard Maintenance Procedures for ACM including Preventative Measures

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

These asbestos containing or assumed asbestos containing building materials commonly found in schools may or may not be in this particular building. For those which apply, the following maintenance procedures and preventative measures will be implemented. Note that the materials in the beginning of the list tend to be more accessible and those at the end of the list tend to be inaccessible materials. This list is not all inclusive – see the roster of materials in this specific management plan for these or other materials.

"Proper asbestos operations" referenced below require: (a) review of AMP to determine sampling results, (b) collection of samples by a licensed inspector if sample results are not available, (c) disturbance of less than 3 square feet of asbestos-containing material conducted only by a person trained in O&M operations (16 hr training), (d) disturbance or removal of more than 3 square feet of asbestos-containing material conducted only by 32 hour trained abatement workers and 40 hour trained asbestos abatement supervisors employed by a state licensed asbestos abatement contractor.

This information will be presented as part of the asbestos awareness 2 hour training program given to employees at hire and annual refreshers as well as to outside contractors.

This section complies with CT schools rule regulation 19a-333-6 (d)(6) requiring a list of "preventative measures which might eliminate the reasonable likelihood of undamaged ACM from becoming damaged or significantly damaged."

Resilient flooring (tiles, linoleum and mastic)

Asbestos containing and assumed asbestos containing resilient floor coverings, including floor tiles and linoleum products, should be kept in good repair. The acceptable OSHA recommended maintenance procedures include the following: When stripping floors use only wet methods and use buffer speeds under 300 rpm. Never cause flooring to be abraded, chipped, drilled, gouged, or sanded. Resilient floors should be kept well polished to protect against fiber release and not be allowed to be removed from floors without proper asbestos operations.

Vinyl cove base moldings and adhesives

Asbestos containing and assumed asbestos containing wall baseboard vinyl cove molding products and their adhesives (mastics) should be kept in good repair and not be allowed to be cut into, abraded, or peeled off walls without proper asbestos operations.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Floor and cove molding substrates

The same is true of working with resilient floorings and cove moldings that have a non-asbestos designation. The adjacent and underlying floor mastics and adhesives and wall substrates (especially plaster or sheet rock) must also be reviewed for asbestos content considerations before they are disturbed by the activity on the resilient flooring and cove molding themselves, including possibilities of multiple layers of flooring or molding adhesives.

Carpeting

Though carpeting is not a suspect asbestos containing material, there are asbestos related preventative measures associated with carpeting. Carpets may be adhered to asbestos containing floorings and have asbestos containing carpet adhesives. Additionally carpeting placed directly onto cement floors may be contaminated with floor tile mastics from previous flooring applications. In either case, carpet removal will only be performed after appropriate review of potential disturbance of underlying asbestos containing or suspect asbestos containing materials has been performed and without proper asbestos operations.

Wall and ceiling plaster and sheet rock and joint compound

Asbestos containing and assumed asbestos containing wall and ceiling plasters, sheetrock and joint compound should be kept in good repair and not be allowed to be cut into, abraded, drilled, nailed or screwed into, without proper asbestos operations. This includes, but is not limited to, brackets for hanging items, settings for anchoring cable or wire trays, mounting or insertion of electrical wire, conduit, junction boxes, light fixtures or outlets, mounting or inserting thermostats, fire suppression system mounting, etc.

In addition, accessing areas above fixed ceilings or behind walls through access panels and hatchways is an activity likely to disturb potentially present asbestos or suspect asbestos containing materials in the plenum above the tiles such as but not limited to spray-on fireproofing, pipe and pipe fitting insulations, duct insulations, roof drain insulation, etc. Before accessing these areas by opening access panels or hatches, the AMP will be reviewed to identify areas considered restricted for such access. Also labels signifying the presence of asbestos containing materials will be proactively sought out adjacent to or on the face of or on the underside of such panels.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Ceiling tiles and materials overhead

There are two designations for ceiling tiles commonly used in AMPs: suspended or lay-in tiles and acoustical tiles. Suspended or lay-in ceiling tiles rest in a grid work attached at the walls with channels and hung by wires from the overhead above the grid. Acoustical tiles are affixed by a variety of means, including but not limited to, sliding into a metal channel right at the overhead (so-called spline ceiling), nailing, adhering with glue daubs, adhering with a troweled on adhesive.

Asbestos containing and assumed asbestos containing ceiling tiles should be kept in good repair and not be allowed to be cut into, abraded, drilled, nailed or screwed into, without proper asbestos operations. This includes, but is not limited to, installing or replacing light bulbs; hanging decorative or instructional materials from tiles; using the grid work for supporting materials; cutting or drilling to make access for electrical, computer, cable TV, security, phone lines, etc. This also applies to acoustical ceiling tiles mounted to walls for sound proofing in areas such as but not limited to band rooms, language labs, computer or typing labs, remedial reading or speech therapy rooms, etc.

In addition, accessing areas above suspended ceiling tiles is an activity likely to disturb potentially present asbestos or suspect asbestos containing materials in the plenum above the tiles such as but not limited to spray-on fireproofing, pipe and pipe fitting insulations, duct insulations, roof drain insulation, etc. Before accessing these areas by removing tiles, the AMP will be reviewed to identify areas considered restricted for such access.

The same is true of working with acoustical tiles that have a non-asbestos designation. The adjacent associated substrates and adhesives (glue daubs, troweled on adhesive or mastic, plaster or sheet rock) must also be reviewed for appropriate proper asbestos operations considerations before they are disturbed by the activity on the tiles themselves.

Black boards, bulletin boards and substrates

Black boards, white erase boards, and bulletin boards are seldom suspect asbestos containing materials (some black board slates are). The adjacent associated substrates and adhesives (glue daubs, troweled on adhesive or mastic, plaster or sheet rock) must also be reviewed for appropriate proper asbestos operations considerations before these wall hung and affixed boards are removed or renovated so as to prevent asbestos substrate disturbance by the activity on the boards themselves.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Pipe insulation

Asbestos containing and assumed asbestos containing pipe insulation should be kept in good repair, labelled, and not be allowed to be stepped on, climbed on, cut into, drilled, or disturbed in any other way, without proper asbestos operations. This includes preventative measures to prevent insulation deterioration by contact or water damage, such as, but not limited to, not hanging decorative or instructional materials from pipe insulations; storing maintenance materials (ladders, fire extinguishers, protective clothing, tools, etc.) away from pipe insulations; placing protective metal caging or shields between insulations and sources of physical impact (insulations in storage areas, insulations in gym and locker areas, insulations in access lanes in mechanical spaces, etc.) as long as the shields do not themselves come in contact with the insulation and their installation does not disturb the insulation. Any methods of protecting pipe insulation from damage that involves physical contact with the insulation itself must be conducted only as activities employing proper asbestos operations.

Flex connectors in duct work & duct insulation

The identical maintenance and preventative measures apply to duct insulation as those noted above for pipe insulation. Additionally, woven cloth flex connectors that are located between sections of ductwork are usually assumed to be asbestos containing because sampling them for your AMP could compromise their integrity and perhaps cause a fiber release inside the ductwork. Operations involving installation of sensors for measuring temperature, humidity, flow rate or air quality within the ducts and any duct cleaning operations can not disturb these insulations without proper asbestos controls.

Boiler packings & interior mechanical and HVAC component insulation

Within HVAC and mechanical system components there may be asbestos containing interior insulations, packings and/or gaskets not listed in your AMP because access to them under normal conditions is not feasible. Whenever systems or system component interiors are going to be maintained or when these components are extracted from the system, these asbestos containing or assumed asbestos containing materials must only be handled as proper asbestos operations. This includes, but is not limited to, boiler packing between tubes, boiler door gaskets, fire brick and lining insulations in fireboxes. Since it is not uncommon to leave interior components intact when exterior boiler insulations are removed, it is essential to examine the details of boiler insulation abatements in the AMP records before proceeding with any interior boiler (or other HVAC component) activity.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Not necessarily to the exclusion of materials listed previously in this section, many of the following materials may not be listed in your AMP (Asbestos management Plan). This is because they are (a) usually not sampled and are carried automatically as other or inaccessible suspect materials, or (b) they are not required by asbestos in schools rules to be included in the inspection and management plan protocol.
Nevertheless they are potential sources of asbestos fiber release episodes and are for that reason included in this section of your Asbestos management Plan dealing with maintenance of asbestos containing materials and preventative measures.

Insulation inside fire doors

Fire doors are sometimes marked with an embossed metal plaque located on the door jamb or on the inside edge of the door that closes against the jamb nearest the hinges. There is no guarantee that such an identification exists on every door. Universal precautions apply as a key preventative measure for disturbing these interior, inaccessible materials. They may be in the form of a loose powder, as a honeycombed fireproofing material or as a sheet product placed within the door.

Preventative measures for these products include removing doors only by loosening the hinges and closing restraints by removing pins or by extracting screws in the door jamb only. Doors requiring servicing should be physically removed to a controlled area so the servicing can be performed as a proper asbestos operation. Such servicing includes any activity that compromises the integrity of the outer seal of the door, such as, but not limited to, changing out locks or door hardware for normal repair or for handicap access codes, resizing doors so they fit over newly installed floor coverings or carpeting, installing viewing ports through doors, drilling holes for attaching newly placed hinges or door closing restraints.

Cafeteria vent hoods & interior kitchen/cooking component insulation

Within cafeteria cooking vent hoods and inside kitchen service or cooking components (such as dish washers and dryers or stoves and ovens or freezers and refrigerators) there may be asbestos containing interior insulations, packings and/or gaskets not listed in your AMP because access to them under normal conditions is not feasible. Whenever these systems or system component interiors are going to be maintained or when these components are extracted from the building, these asbestos containing or assumed asbestos containing materials must only be handled as proper asbestos operations. This includes, but is not limited to, degreasing operations, sanitizing operations, appliance maintenance and replacement.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Lab hoods and counter tops

Asbestos containing and assumed asbestos containing lab fume hoods and lab counter tops should be kept in good repair and not be allowed to be cut into, drilled, or disturbed in any other way, without proper asbestos operations. This includes, but is not limited to, disturbance caused by refitting sink openings; adding, replacing, removing or adjusting ports for water, gas, venting or sensor equipment; refacing hoods with new protective shields; or maintaining surfaces that have been damaged.

Safes and fireproof filing cabinets

Safes and file cabinets are sometimes lined with asbestos filler for fire proofing purposes. Asbestos containing and assumed asbestos containing safe or file cabinet insulation should be kept in good repair and not be allowed to be abraded cut into, drilled, or disturbed in any other way, without proper asbestos operations. This includes, but is not limited to, installation of new locking mechanisms, procedures required to open a device whose keys or combinations have been lost, salvaging materials after a fire, or overfilling storage areas past their capacity etc. A common indication that the insulation integrity has been compromised and that an asbestos response may be appropriate is the presence of otherwise unexplainable powder or dust on the contents of the safes or filing cabinets.

Window caulking and glazing compounds

As exterior materials asbestos containing and assumed asbestos containing window caulking and window glazing compounds are often times not cited in school AMPs. They tend to be added at times of three year reinspections. Window caulking is the term used for weatherproofing materials applied between the outer frame of a window and the exterior frame of the building component into which the window cavity is made (wood, brick, stone, metal, etc.). Window glazing compound is the putty-like material used to hold the glass (glazing) of the window pane in the frame of the window against the outside edge of the window sash and the mullions or against the frame of a one pane window. In some cases, these materials may be on the inside of the window as well (casement windows, wire reinforced metal sash and mullion windows. These caulkings and glazing compounds should be kept in good repair and not be allowed to be chipped, picked at, cut into, scraped off, discarded or disturbed in any other way, without proper asbestos operations. This includes, but is not limited to, general painting and maintenance activities to ensure weatherproofing on windows, replacing broken windows or window panes, and most essentially, during window replacement projects.
Caution: It is typical to find leaded paint on these exterior components.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Exterior transite panels

Asbestos containing and assumed asbestos containing transite panels should be kept in good repair and not be allowed to be broken, abraded, cut into, drilled, or disturbed in any other way, without proper asbestos operations. These materials are often found in areas not required to be examined for school inspections and may therefore not be in your AMP including, but not limited to, soffits, window walls and curtain walls (sometimes with a matching panel on the interior of the building frame and inaccessible behind heating components or other wall finishes).

Common activities performed that require preventative measures so as not to disturb or erode these transite panels include, but are not limited to, exterior painting and wall finish maintenance; power washing; placement of ladders to access roof edges, eaves and soffits, and windows; or placing exterior brackets and fixtures associated with outdoor lighting, security cameras, utility lines, cable access, telephone lines, etc.

For major renovation projects such as new building additions or window replacement or roof replacement it is imperative to augment your AMP inspection with a NESHAPS inspection and sampling of these materials if they are not specifically already listed as sampled in your program. Materials found to be asbestos containing or asbestos contaminated (in the case of soffit or parapet transite in contact with ACM roof flashing) must only be handled as part of a proper asbestos operation.

Roofing materials and roof flashing

Asbestos containing and assumed asbestos containing roofing materials and roof flashings should be kept in good repair and not be allowed to become deteriorated, cut into, drilled, or disturbed in any other way, without proper asbestos operations. These materials are generally not required to be examined for school inspections and may therefore not be in your AMP.

General roof leak repair and common activities for other building systems that can disturb roofing can not be performed without proper asbestos operations. These activities include, but are not limited to, resealing penetrations, installing antennas, dishes or other similar communications equipment, repairing obstructed roof drains or roof mounted HVAC vents or components.

Standard Procedures for Maintenance of Asbestos-Containing Materials, including Preventative Measures

Roofing materials and roof flashing (continued)

For major renovation projects such as installation of skylights or HVAC equipment requiring roof penetrations, new building additions or roof replacement it is imperative to augment your AMP inspection with a NESHAPS inspection and sampling of these materials if they are not specifically already listed as sampled in your program. Activities for materials found to be asbestos containing or asbestos contaminated (in the case of layered or built up roofing) must only be handled as part of a proper asbestos operation.

BULK SAMPLING REPORTS COLLECTED DURING REINSPECTION OR INTERIM PERIOD

THERE WERE NO BULK SAMPLES TAKEN AT THE TIME OF THIS INSPECTION OR IN THE INTERIM

SELECTION OF SAMPLING LOCATIONS FOR 3 YEAR REINSPECTIONS

SELECTION OF SAMPLING LOCATIONS

Sampling procedures were accomplished in accordance with AHERA regulations Each homogeneous area of material whether it was surfacing, thermal system insulation, or miscellaneous was sampled in a statistically random fashion. The area was gridded into 9 equal units and random number generation scheme employed to locate a sample area.

Where such a random method would cause noticeable damage to the sampled material and/or create the potential for a fiber release, one or more of the following non-destructive sampling schemes was substituted:

1. A representative area of material that was damaged was sampled.

2. A replacement material known to be the same material as the material in place was sampled.

3. Areas that would be representative of the homogeneous are, but which were concealed to normal vision were sampled.

In cases where one of these non-destructive sampling techniques was employed, the summary report specifies the sample with the label "NDS".

SURVEY LIMITATIONS

Every attempt was made to accurately reassess all accessible and known ACBM. There can not be a guarantee that all asbestos containing materials have been located or identified. Some of the reasons for this are:

1. Sampling was performed on a random basis and the material was assumed to be homogeneous. The possibility does exist that the material composition may differ where the samples were taken.

2. Only exposed materials have been sampled. Some concealed or difficult to reach suspect ACBM has been included in the survey based on certain assumptions. Examples would be the glue behind ceiling tiles.

3. Multiple samples were collected to minimize error. The chance of laboratory or human error is small but real.

4. The NOTES section of this report includes a general EPA roster of suspect ACBM. These materials if present in this building should be considered ACBM unless sampling proves otherwise.

PERIODIC SURVEILLANCE FORMS

Periodic surveillance.

EPA and AHERA Asbestos program management requires that the in-place accessible ACM and suspect ACM will be inspected every six months to look for any signs of changes in the condition of the asbestos-containing materials.

A minimum of 2 hours awareness training is required to conduct periodic surveillance if there is no change in condition. If there is a change in condition a certified asbestos inspector will need to assess and reevaluate the materials. The person or persons performing these re-inspections will be familiar with the asbestos program. The following pages are pre-dated copies of the periodic inspection forms to cover the next five such periodic surveillances. These should be completed and re-inserted in this section of both the school and administrative office copies of the management plan.

Upon completion of a periodic surveillance, copies should be submitted to the LEA Designated person within a week's time of the inspection. If, however, the periodic surveillance detects a change in the condition of some asbestos-containing materials since the prior inspection, reinspection and periodic surveillance, the LEA Designated person will be notified within one working day from the time of the inspection which sets into motion the appropriate response actions, carried out by EPA certified and State licensed inspectors, management planners, project designers, abatement supervisors and workers, and/or O&M personnel, as applicable.

Additionally, one blank copy of a form is provided at the end of this section for the licensed inspector to use when assessing materials reported with changes in condition.

PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**
School Building Name: West Vine School
Street/City/Zip:

Accessible	LOCATION	AMOUNT	CONDITION (check) Change No change
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room,Health office, Stairwells,2nd floor storage room, Sink areas in classrooms , Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms and lounge	11,000 sq. ft.	

Areas of carpet may overlay inaccessible asbestos containing tile please comment on carpet condition here:

The purpose of this periodic surveillance to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

If there is a change in condition notify the LEA Designated person within 1 working day or an accredited Building Inspector (3-day training certification) can assess the condition of materials that are changed since the last surveillance using forms attached. Only a certified asbestos Management Planner can select a response action to changed conditions.

PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**

School Building Name: West Vine School

Street/City/Zip:

MATERIAL	LOCATION	AMOUNT	CONDITION Change/No Change
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , Storage room see complete listing reassessment pages.	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

The purpose of this periodic surveillance is to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

If there is a change in condition notify the LEA Designated person within 1 working day or notify an accredited Building Inspector (3-day training certification) who can assess the condition of materials that are changed since the last surveillance using forms attached. Only a certified asbestos Management Planner can select a response action to changed conditions.

NOTES : Should a newly discovered suspect homogeneous area be found during surveillance or reinspection please add material location and quantity to list above. In this instance a licensed inspector will need to review the new material to assess its condition. Likewise if the material has been removed or cannot be located please note that also. The licensed management planner will need to review documentation of response actions and enter the condition change subsequent to a response action. Such an updated entry should be made on the periodic surveillance forms pre-dated for all following surveillances.

PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**
School Building Name: West Vine School
Street/City/Zip:

Accessible	LOCATION	AMOUNT	CONDITION (check) Change No change
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room,Health office, Stairwells,2nd floor storage room, Sink areas in classrooms , Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms and lounge	11,000 sq. ft.	

Areas of carpet may overlay inaccessible asbestos containing tile please comment on carpet condition here:

The purpose of this periodic surveillance to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

If there is a change in condition notify the LEA Designated person within 1 working day or an accredited Building Inspector (3-day training certification) can assess the condition of materials that are changed since the last surveillance using forms attached. Only a certified asbestos Management Planner can select a response action to changed conditions.

PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**

School Building Name: West Vine School

Street/City/Zip:

MATERIAL	LOCATION	AMOUNT	CONDITION Change/No Change
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , Storage room see complete listing reassessment pages.	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

The purpose of this periodic surveillance is to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

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PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**
School Building Name: West Vine School
Street/City/Zip:

Accessible	LOCATION	AMOUNT	CONDITION (check) Change No change
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room,Health office, Stairwells,2nd floor storage room, Sink areas in classrooms , Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms and lounge	11,000 sq. ft.	

Areas of carpet may overlay inaccessible asbestos containing tile please comment on carpet condition here:

The purpose of this periodic surveillance to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

If there is a change in condition notify the LEA Designated person within 1 working day or an accredited Building Inspector (3-day training certification) can assess the condition of materials that are changed since the last surveillance using forms attached. Only a certified asbestos Management Planner can select a response action to changed conditions.

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US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**

School Building Name: West Vine School

Street/City/Zip:

MATERIAL	LOCATION	AMOUNT	CONDITION Change/No Change
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , Storage room see complete listing reassessment pages.	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

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US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**
School Building Name: West Vine School
Street/City/Zip:

Accessible	LOCATION	AMOUNT	CONDITION (check) Change No change
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room,Health office, Stairwells,2nd floor storage room, Sink areas in classrooms , Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms and lounge	11,000 sq. ft.	

Areas of carpet may overlay inaccessible asbestos containing tile please comment on carpet condition here:

The purpose of this periodic surveillance to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

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PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**

School Building Name: West Vine School

Street/City/Zip:

MATERIAL	LOCATION	AMOUNT	CONDITION Change/No Change
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , Storage room see complete listing reassessment pages.	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

The purpose of this periodic surveillance is to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

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PERIODIC SURVEILLANCE FORM
US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**
School Building Name: West Vine School
Street/City/Zip:

Accessible	LOCATION	AMOUNT	CONDITION (check) Change No change
9"x9" VAT Red floor tile and mastic	1st floor storage room, Stairwells Lunchroom, Kitchen and adjacent hall & rooms, Main hallways 1st and 2nd floor.	6000 sq. ft.	
9"x9" VAT Tan floor tile and mastic	Teacher's room,Health office, Stairwells,2nd floor storage room, Sink areas in classrooms , Main hallways 1st and 2nd floor. All of Room 26.	5,000 sq. ft.	
Carpet over suspect material	Upper wing - Upper and Lower level classrooms and lounge	11,000 sq. ft.	

Areas of carpet may overlay inaccessible asbestos containing tile please comment on carpet condition here:

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US EPA AHERA PROGRAM COMPLIANCE ACTIVITY

Date: **Surveillance conducted by (name):**

School Building Name: West Vine School

Street/City/Zip:

MATERIAL	LOCATION	AMOUNT	CONDITION Change/No Change
All pipe fitting insulation	AHU, above ceilings in halls and classrooms, Kitchen , Storage room see complete listing reassessment pages.	120 sq. feet	
All flex connector	AHU room by stage	3 square feet	
All fitting insulation	Behind hatch in wall Boy's bathroom 1st floor	Unknown	
Sheetrock/ Wallboard	Inaccessible areas	Unknown	
All fire doors	Throughout building	Unknown	
Window caulking and glazing compounds	Exterior throughout building	Unknown	

The purpose of this periodic surveillance is to ensure that the asbestos-containing materials identified in the school's Asbestos Management Plan are intact and undamaged and do not present a hazard. The condition is to be indicated in relative terms to the condition of the materials as of the last surveillance.

If there is a change in condition notify the LEA Designated person within 1 working day or notify an accredited Building Inspector (3-day training certification) who can assess the condition of materials that are changed since the last surveillance using forms attached. Only a certified asbestos Management Planner can select a response action to changed conditions.

NOTES : Should a newly discovered suspect homogeneous area be found during surveillance or reinspection please add material location and quantity to list above. In this instance a licensed inspector will need to review the new material to assess its condition. Likewise if the material has been removed or cannot be located please note that also. The licensed management planner will need to review documentation of response actions and enter the condition change subsequent to a response action. Such an updated entry should be made on the periodic surveillance forms pre-dated for all following surveillances.

PERIODIC SURVEILLANCE FORM

{Certified Asbestos Inspector's Assessment Report On ACM With Changed Condition Noticed in Periodic Surveillance}

Date: **Inspector:**

School:
Street/City/Zipcode:

Type & Location of `ACM

_____

Quantity of Materials Affected

_____

Assessment:

1. Evidence of physical damage: _____
_____

2. Evidence of water damage: _____

3. Evidence of delamination or other deterioration: _____
_____

4. Degree of accessibility of the material: (check one)
High _____ Medium _____ Low _____.

5. Degree of activity near the material: (check one)
High _____ Medium _____ Low _____.

6. Location in an air plenum, air shaft, or air stream: _____
_____

7. Other observations (including the condition of the encapsulant or enclosure, if any): __
_____

Action Taken: _____
_____
_____

Action Approved by: _____ Date _____
(Asbestos Designated Person)

LABORATORY CERTIFICATIONS

Inspector and Management Planner certifications

LABORATORY CERTIFICATIONS

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

Mystic Air Quality Consultants

LOCATED AT 1204 North Road IN Groton, CT 06340

AND REGISTERED IN THE NAME OF Christopher J. Eident

THIS CERTIFICATE IS ISSUED IN THE NAME OF Christopher J. Eident WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER\AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS

Examination For:
Air – Fiber Counting (PCM)

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES June 30, 2012 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 4th DAY OF June, 2010

Registration No.

PH - 0630

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

AIHA

Laboratory Accreditation Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Mystic Air Quality Consultants, Inc.

1204 North Road (Route 117), Groton, CT 06340

Laboratory ID: 100129

has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC thereby, conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA-LAP, LLC in the following:

ACCREDITATION PROGRAMS

✓	INDUSTRIAL HYGIENE	Accreditation Expires: 01/01/2012
☐	ENVIRONMENTAL LEAD	Accreditation Expires:
☐	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires:
☐	FOOD	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA website for the most current status of the scope of accreditation.

Pamela A. Kostle

Pamela A. Kostle, CIH
Chairperson, Analytical Accreditation Board

Date Issued: 12/01/2009

State of Connecticut, Department of Public Health
Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

LOCATED AT 7469 White Pine Road IN Richmond, VA 23237

AND REGISTERED IN THE NAME OF Irma Faszewski

THIS CERTIFICATE IS ISSUED IN THE NAME OF Audrey Simonds (Director, Chemistry)
Mark Case (Co-Director, Asbestos) WHO HAS BEEN DESIGNATED
BY THE REGISTERED OWNER AS AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS
AIR FIBER COUNTING (PCM)
BULK IDENTIFICATION (PLM)

PAINT, SOIL, DUST WIPES
Examination for
LEAD

NON-POTABLE WATER/WASTEWATER, SOLID WASTE/SOIL
Examination of
INORGANIC CHEMICALS

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES June 30, 2012 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 30th DAY OF June, 2010

Registration No. PH 0234

SUZANNE BLANCAFFOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

Certificate of Training

Awarded to

Lois Taylor

(DOB 7/6/62)

For successful completion of a 24 Hour, 3 Day

Asbestos Building Inspector

Initial Training Course

April 7 - 9, 1997

Required by OSHA and the EPA Revised MAP for accreditation under the TSCA Title II as self-certified by Trainer 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, Connecticut

Certificate Number: 342AIC

Exam Grade: 100%

Exam Date: 4/9/97

Expiration Date: 4/9/98

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

LOIS TAYEOR

(DOB- 07/06/1962)

For successful completion of a 16 Hour, 1 Day

Asbestos Management Planner

Initial Training Course

MAY 7 & 8, 2001

This training was approved and given in accordance with Department of Health Standards established pursuant to section through 19a-332-23 of the Connecticut General Statutes and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMPI8170

Exam Grade: 92%

Exam Date: 05/08/2001

Expiration Date: 05/08/2002

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

LOIS TAYLOR

This program was presented at the Courtyard Marriott in Cromwell, CT. For asbestos management planners and inspectors, this course was approved for this site by the CTDPH.

For successful completion of an 8 Hour, 1 Day

Asbestos Inspector & Management Planner

Annual Refresher Training

MARCH 17, 2010

This training was approved and given in accordance with Regulations for Connecticut State Agencies RCSA 20-440-1-9 and RCSA 20-441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMPR18876

Exam Grade: 93

Exam Date: 03/17/2010

Expiration Date: 03/17/2011

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS LICENSED BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSP/MGMT PLANNER

LOIS D. TAYLOR

LICENSE NO. 000211

CURRENT THROUGH 07/31/11

VALIDATION NO. 03-077779

SIGNATURE

COMMISSIONER

Certificate of Training

Awarded to

Lois Taylor

(DOB 7/6/62)

For successful completion of a 24 Hour, 3 Day

Asbestos Building Inspector

Initial Training Course

April 7 - 9, 1997

Required by OSHA and the EPA Revised MAP
for accreditation under the TSCA Title II
as self-certified by Trainer 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, Connecticut

Certificate Number: 342AIC

Exam Grade: 100%
Exam Date: 4/9/97

Expiration Date: 4/9/98

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

LOIS TAYLOR

(DOB 07/06/1962)

For successful completion of a 16 Hour, 2 Day

Asbestos Management Planner

Initial Training Course

MAY 7 & 8, 2001

This training was approved and given in accordance with
Department of Health Standards established pursuant to section
through 19a-332-23 of the Connecticut General Statutes and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMP18170

Exam Grade: 98%
Exam Date: 05/08/2001

Expiration Date: 05/08/2002

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Certificate of Training

Awarded to

LOIS TAYLOR

For successful completion of an 8 Hour, 1 Day

Asbestos Inspector & Management Planner

Annual Refresher Training

March 20, 2013

This training was approved and given in accordance with
Regulations for Connecticut State Agencies
RCSA 20-440 - 1-9 and RCSA 20-441 and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMPR22980

Exam Grade: 97
Exam Date: 03/20/2013

Expiration Date: 03/20/2014

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Hattes, Training Director

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSP/MGMT PLANNER

LOIS D. TAYLOR

LICENSE NO.
000211
CURRENT THROUGH
07/31/13
VALIDATION NO.
03-435698

Lois D Taylor

COMMISSIONER