Wampatuck Elementary School
266 Tilden Road
Scituate, Massachusetts

AHERA INSPECTION REPORT/MANAGEMENT PLAN

May 2021

PREPARED FOR:

Scituate Public Schools
606 Chief Justice Cushing Highway
Scituate, Massachusetts
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VERTEX Project No: 69699

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Introduction

The Vertex Companies, Inc. (VERTEX) conducted a 3-Year Re-inspection on April 22, 2021 as required by the 40 CFR 763 Asbestos Hazard Emergency Response Act (AHERA) at the Wampatuck Elementary School located at 266 Tilden Road in Scituate, Massachusetts. The AHERA regulation requires that each Local Education Agency (LEA) retain a certified/accredited Asbestos Inspector to conduct an initial inspection of all friable and non-friable known or assumed asbestos-containing building materials (ACBM) in each school building that they lease, own, or otherwise uses as a school building. The AHERA re-inspection is to be performed by an accredited inspector at least once every three years from the time of implementation of the original management plan. In addition, the LEA is responsible for conducting Six-Month Periodic Surveillance Inspections as required to effectively manage the identified ACBMs in place at the school.

The Scituate Public School District may utilize the information obtained from the AHERA inspection to effectively manage the ACBMs identified at the Wampatuck Elementary School.

SECTION 1

INSPECTION REPORT

Section 1
Inspection Report

Inspection Protocol

Massachusetts Department of Labor Standards (DLS) Certified Asbestos Inspector, Jason Mohre (AI#000262) performed the AHERA inspection. The Management Plan was updated by Massachusetts DLS Certified Asbestos Management Planner, Jason Mohre (AP#000080). The purpose of the inspection was to identify friable and non-friable ACBMs and perform a hazard assessment. As required by the AHERA regulation, the inspection survey procedures must include a visual inspection and assessment of the condition of all known locations of friable and non-friable ACBMs. It should be noted that under the AHERA regulations only ACBMs are inspected within the school building, other asbestos containing materials (ACMs) may be associated with the school that do not fall under AHERA ACBM definition. Examples of materials which have been found to contain asbestos include but are not limited to exterior window caulking, window glazing, and roofing material. Prior to school renovations any suspect materials not sampled or listed within the school's AMP, must be tested prior to disturbance. Furthermore, VERTEX recommends an Asbestos Containing Materials (ACMs) Survey be conducted prior to any renovation activities to comply with the Environmental Protection Agency (EPA) Title 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs) and the Massachusetts Department of Environmental Protection Regulations. Documentation for subsequent surveys not related to AHERA should be included in the overall Management Plan.

Assessment of potential asbestos hazards are subject to each individual inspector's judgment, and as a result, hazard assessments may vary.

Furthermore, the LEA Designated Person should assume that potential asbestos-containing pipe and fitting insulation or other ACBMs may be located behind walls and ceilings not accessible. Any renovation/demolition work that may penetrate these areas should be inspected prior to disturbance.

All available documentation of asbestos abatement projects, which have occurred since the initial AHERA inspection should be included with the Management Plan for the school.

VERTEX was provided and reviewed the following documents for the Wampatuck Elementary School facility:

- AHERA Inspection and Management Plan for the Wampatuck Elementary School prepared by Covino, dated November 2013.
- AHERA Inspection and Management Plan the Wampatuck Elementary School prepared by TRC, dated October 2017.

Appendix D contains Certification Page for the Inspector and Management Planner involved with the inspection of the school.

Locations of the identified ACBMs with quantities observed, conditions assessed, homogeneous hazard assessment are presented in Appendix A of this report.

Section 1
Inspection Report (continued)
Bulk Sampling Methodology

Bulk samples were collected and analyzed to determine the identity of suspect materials and their composition. Bulk samples were collected in the following sampling scheme which is derived from AHERA: For non-friable materials, two (2) or more random samples are taken to determine asbestos content. Miscellaneous material samples are collected in locations where minimal damage would be inflicted on the material during sample collection.

EMSL Analytical Inc. of Woburn, MA using Polarized Light Microscopy (PLM) as described in 40 CFR 763, analyzed the bulk sample results attached. Each bulk sample was analyzed in accordance with U.S. Environmental Protection Agency (EPA) 600/R-93/116 recommended protocol-using PLM.

EMSL Analytical Inc. is accredited through the National Voluntary Laboratory Accreditation Program (#101147-0) and is a Massachusetts certified analytical laboratory (AA000188).

Wampatuck Elementary School
April 2021 Sample Locations and Results
Table I

Sample Number	Sample Description	Sample Location	Asbestos Content
B-422-01A	12” Off-White Spec Floor Tile	Room 222	5 % Chrysotile
B-422-01B	12” Off-White Spec Floor Tile	Room 208	Positive Stop
B-422-02A	Black Floor Tile Mastic	Room 222	10 % Chrysotile
B-422-02B	Black Floor Tile Mastic	Room 208	Positive Stop
B-422-03A	12” Black Dark Brown Spec Floor Tile	Room 222	5 % Chrysotile
B-422-03B	12” Black Dark Brown Spec Floor Tile	Room 208	Positive Stop

Section 1
Inspection Report (continued)
Bulk Sampling Methodology

Bulk samples were also collected by Covino Environmental (Covino) during their August 2013 inspection activities. The following table outlines the building materials collected and analyzed by Covino:

Wampatuck Elementary School
August 2013 Sample Locations and Results
Table I

Sample Number	Sample Description	Sample Location	Asbestos Content
1A	**Pipe Insulation**	**Hallway**	**40 % Chrysotile 10% Crocidolite**
1B	**Pipe Insulation**	**Kitchen Office**	**Positive Stop**
1C	**Pipe Insulation**	**Room 146**	**Positive Stop**
2A	**Pipe Fitting Insulation**	**Storage Room**	**None Detected**
2B	**Pipe Fitting Insulation**	**Room 146**	**8 % Chrysotile**
2C	**Pipe Fitting Insulation**	**Hall at Office**	**Positive Stop**
2D	**Pipe Fitting Insulation**	**Room 2**	**Positive Stop**
2E	**Pipe Fitting Insulation**	**Room 1**	**Positive Stop**
2F	**Pipe Fitting Insulation**	**Room 13**	**Positive Stop**
2G	**Pipe Fitting Insulation**	**Room 15**	**Positive Stop**
3A	12" Multi-Color Floor Tile	Office	None Detected
3B	12" Multi-Color Floor Tile	Hall at Storage	None Detected
3C	12" Multi-Color Floor Tile	Hall by Office	None Detected
4A	12" Multi-Color Floor Tile Mastic	Office	None Detected
4B	12" Multi-Color Floor Tile Mastic	Hall at Storage	None Detected
4C	12" Multi-Color Floor Tile Mastic	Hall by Office	None Detected
5A	**9" Brown Floor Tile**	**Storage Room**	**8 % Chrysotile**
5B	**9" Brown Floor Tile**	**Receiving Storage Room**	**Positive Stop**
5C	**9" Brown Floor Tile**	**Teachers Room**	**Positive Stop**
6A	9" Brown Floor Tile Mastic	Storage Room	None Detected
6B	9" Brown Floor Tile Mastic	Receiving Storage Room	None Detected
6C	9" Brown Floor Tile Mastic	Teachers Room	None Detected
7A	Plaster Ceiling Base Coat	Storage Room	None Detected
7B	Plaster Ceiling Base Coat	Receiving Storage Room	None Detected
7C	Plaster Ceiling Base Coat	Room 146	None Detected
7D	Plaster Ceiling Base Coat	Room 6	None Detected
7E	Plaster Ceiling Base Coat	Room 119	None Detected
7F	Plaster Ceiling Base Coat	Room 13	None Detected
7G	Plaster Ceiling Base Coat	Room 15	None Detected

Wampatuck Elementary School
August 2013 Sample Locations and Results
Table I (Continued)

Sample Number	Sample Description	Sample Location	Asbestos Content
8A	Plaster Ceiling Skim Coat	Storage Room	None Detected
8B	Plaster Ceiling Skim Coat	Receiving Storage Room	None Detected
8C	Plaster Ceiling Skim Coat	Room 146	None Detected
8D	Plaster Ceiling Skim Coat	Room 6	None Detected
8E	Plaster Ceiling Skim Coat	Room 119	None Detected
8F	Plaster Ceiling Skim Coat	Room 13	None Detected
8G	Plaster Ceiling Skim Coat	Room 15	None Detected
9A	12" Lime Green Floor Tile	Receiving Room	None Detected
9B	12" Lime Green Floor Tile	Receiving Room	None Detected
9C	12" Lime Green Floor Tile	Receiving Room	None Detected
10A	12" Lime Green Floor Tile Mastic	Receiving Room	None Detected
10B	12" Lime Green Floor Tile Mastic	Receiving Room	None Detected
10C	12" Lime Green Floor Tile Mastic	Receiving Room	None Detected
11A	3' x 4' Cementitious Panel on Cooler	Kitchen	None Detected
11B	3' x 4' Cementitious Panel on Cooler	Kitchen	None Detected
12A	**Corkboard Adhesive on Cooler**	**Kitchen**	**12 % Chrysotile**
12B	**Corkboard Adhesive on Cooler**	**Kitchen**	**Positive Stop**
13A	12" Tan Floor Tile	Kitchen	None Detected
13B	12" Tan Floor Tile	Kitchen	None Detected
14A	12" Tan Floor Tile Mastic	Kitchen	None Detected
14B	12" Tan Floor Tile Mastic	Kitchen	None Detected
15A	**Air-Cell Pipe Insulation**	**Kitchen Office**	**30 % Chrysotile**
15B	**Air-Cell Pipe Insulation**	**Room 146**	**Positive Stop**
15C	**Air-Cell Pipe Insulation**	**Room 146**	**Positive Stop**
16A	1' x 1' Perforated Wall Tile	Room 12	None Detected
16B	1' x 1' Perforated Wall Tile	Conference Room	None Detected
16C	1' x 1' Perforated Wall Tile	Conference Room	None Detected
17A	Glue Daubs on1' x 1' Perforated Wall Tile	Room 12	None Detected
17B	Glue Daubs on1' x 1' Perforated Wall Tile	Conference Room	None Detected
17C	Glue Daubs on1' x 1' Perforated Wall Tile	Conference Room	None Detected
18A	4" Brown Covebase	Room 12	None Detected
18B	4" Brown Covebase	Room 15	None Detected
18C	4" Brown Covebase	Room 5	None Detected
19A	4" Brown Covebase Adhesive	Room 12	None Detected
19B	4" Brown Covebase Adhesive	Room 15	None Detected
19C	4" Brown Covebase Adhesive	Room 5	None Detected
20A	**9" Tan Floor Tile**	**Room 12**	**10 % Chrysotile**
20B	**9" Tan Floor Tile**	**Room 10**	**Positive Stop**
20C	**9" Tan Floor Tile**	**Room 6**	**Positive Stop**

Wampatuck Elementary School
August 2013 Sample Locations and Results
Table I (Continued)

Sample Number	Sample Description	Sample Location	Asbestos Content
21A	9" Tan Floor Tile Mastic	Room 12	None Detected
21B	9" Tan Floor Tile Mastic	Room 10	None Detected
21C	9" Tan Floor Tile Mastic	Room 6	None Detected
22A	12" White Floor Tile	Cafeteria	None Detected
22B	12" White Floor Tile	Cafeteria	None Detected
22C	12" White Floor Tile	Cafeteria	None Detected
23A	12" White Floor Tile Mastic	Cafeteria	None Detected
23B	12" White Floor Tile Mastic	Cafeteria	None Detected
23C	12" White Floor Tile Mastic	Cafeteria	None Detected
24A	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24B	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24C	2' x 2' Flat Ceiling Tile	Room 161	None Detected
25A	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25B	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25C	2' x 4' Tectum Wall Tile	South Playroom	None Detected
26A	Stage Curtain	Cafeteria	None Detected
26B	Stage Curtain	Cafeteria	None Detected
27A	White Sink Basin Coating	Teachers Room	None Detected
27B	White Sink Basin Coating	Teachers Room	None Detected
21A	9" Tan Floor Tile Mastic	Room 12	None Detected
21B	9" Tan Floor Tile Mastic	Room 10	None Detected
21C	9" Tan Floor Tile Mastic	Room 6	None Detected
22A	12" White Floor Tile	Cafeteria	None Detected
22B	12" White Floor Tile	Cafeteria	None Detected
22C	12" White Floor Tile	Cafeteria	None Detected
23A	12" White Floor Tile Mastic	Cafeteria	None Detected
23B	12" White Floor Tile Mastic	Cafeteria	None Detected
23C	12" White Floor Tile Mastic	Cafeteria	None Detected
24A	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24B	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24C	2' x 2' Flat Ceiling Tile	Room 161	None Detected
25A	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25B	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25C	2' x 4' Tectum Wall Tile	South Playroom	None Detected
26A	Stage Curtain	Cafeteria	None Detected
26B	Stage Curtain	Cafeteria	None Detected
27A	White Sink Basin Coating	Teachers Room	None Detected
27B	White Sink Basin Coating	Teachers Room	None Detected

Wampatuck Elementary School
August 2013 Sample Locations and Results
Table I (Continued)

Sample Number	Sample Description	Sample Location	Asbestos Content
28A	**Interior Window Glazing**	**Hall by Conference Room**	**2 % Chrysotile**
28B	**Interior Window Glazing**	**Hall by Conference Room**	**Positive Stop**
28C	**Interior Window Glazing**	**Hall by Conference Room**	**Positive Stop**
29A	**9" Green Floor Tile**	**Room 117**	**10 % Chrysotile**
29B	**9" Green Floor Tile**	**Hall by Room 117**	**Positive Stop**
30A	9" Green Floor Tile Mastic	Room 117	None Detected
30B	9" Green Floor Tile Mastic	Hall by Room 117	None Detected
31A	Gypsum Wallboard	Room 117	None Detected
31B	Gypsum Wallboard	Hall by Room 8	None Detected
31C	Gypsum Wallboard	Hall by Room 117	None Detected
32A	**Joint Compound**	**Room 117**	**2 % Chrysotile**
32B	**Joint Compound**	**Hall by Room 8**	**Positive Stop**
32C	**Joint Compound**	**Hall by Room 117**	**Positive Stop**
33A	12" Gray Floor Tile	Office	None Detected
33B	12" Gray Floor Tile	Office	None Detected
33C	12" Gray Floor Tile	Office	None Detected
34A	12" Gray Floor Tile Mastic	Office	None Detected
34B	12" Gray Floor Tile Mastic	Office	None Detected
35A	Perforated Acoustical Wall Tiles	Room 16	None Detected
35B	Perforated Acoustical Wall Tiles	Room 16	None Detected
35C	Perforated Acoustical Wall Tiles	Room 16	None Detected
36A	**1/4" Covering on Bath Duct**	**Room 16**	**14 % Chrysotile**
36B	**1/4" Covering on Bath Duct**	**Room 16**	**Positive Stop**
36C	**1/4" Covering on Bath Duct**	**Room 16**	**Positive Stop**
37A	**12" Tan Marble Floor Tile**	**Room 161**	**12 % Chrysotile**
37B	**12" Tan Marble Floor Tile**	**Room 161**	**Positive Stop**
37C	**12" Tan Marble Floor Tile**	**Room 161**	**Positive Stop**
38A	**12" Tan Marble Floor Tile Mastic**	**Room 161**	**12 % Chrysotile**
38B	**12" Tan Marble Floor Tile Mastic**	**Room 161**	**Positive Stop**
38C	**12" Tan Marble Floor Tile Mastic**	**Room 161**	**Positive Stop**
39A	Canvas on Fiberglass Pipe	Room 161	None Detected
39B	Canvas on Fiberglass Pipe	Room 161	None Detected
39C	Canvas on Fiberglass Pipe	Room 161	None Detected
40A	**Pipe Fitting Insulation**	**Room 161**	**14 % Chrysotile**
40B	**Pipe Fitting Insulation**	**Room 161**	**Positive Stop**
40C	**Pipe Fitting Insulation**	**Room 17**	**Positive Stop**
40D	**Pipe Fitting Insulation**	**Boys Room E**	**Positive Stop**
40E	**Pipe Fitting Insulation**	**Girls Room E**	**Positive Stop**
40F	**Pipe Fitting Insulation**	**Room 21**	**Positive Stop**
40G	**Pipe Fitting Insulation**	**Room 18**	**Positive Stop**

Wampatuck Elementary School
August 2013 Sample Locations and Results
Table I (Continued)

Sample Number	Sample Description	Sample Location	Asbestos Content
41A	**Mosaic Sheet Flooring**	**Room 17**	**20 % Chrysotile**
41B	**Mosaic Sheet Flooring**	**Room 17**	**Positive Stop**
41C	**Mosaic Sheet Flooring**	**Room 17**	**Positive Stop**
42A	Mosaic Sheet Flooring Adhesive	Room 17	None Detected
42B	Mosaic Sheet Flooring Adhesive	Room 17	None Detected
42C	Mosaic Sheet Flooring Adhesive	Room 17	None Detected
43A	Compressed Wall Board Panels	Room 17	None Detected
43B	Compressed Wall Board Panels	Room 17	None Detected
43C	Compressed Wall Board Panels	Room 17	None Detected
44A	2' x 2 Fissured Ceiling Tile	East Wing	None Detected
44B	2' x 2 Fissured Ceiling Tile	East Wing, Girls Room	None Detected
44C	2' x 2 Fissured Ceiling Tile	East Wing, Boys Room	None Detected
45A	**Black Sink Undercoating**	**Room 26**	**5 % Chrysotile**
45B	**Black Sink Undercoating**	**Room 25**	**Positive Stop**
45C	**Black Sink Undercoating**	**Room 24**	**Positive Stop**
46A	**Interior Window Glazing at Hall Doors**	**Hall at Room 24**	**3 % Chrysotile**
46B	**Interior Window Glazing at Hall Doors**	**Hall at Room 24**	**Positive Stop**
46C	**Interior Window Glazing at Hall Doors**	**Hall at Room 24**	**Positive Stop**
47A	**Cementitious Panel Above Door**	**Cafeteria**	**30 % Chrysotile**
47B	**Cementitious Panel Above Door**	**N. Playroom**	**Positive Stop**
47C	**Cementitious Panel Above Door**	**N. Playroom**	**Positive Stop**

Bold indicates bulk sample analyzed positive for Asbestos (>1% asbestos containing)
Positive Stop indicates representative bulk sample analyzed positive for Asbestos.

Section 1
Inspection Report (continued)

The following is a list of materials that were determined or assumed to be asbestos-containing:

Pipe Insulation
9” Tan Floor Tile
9” Brown Floor Tile
12” Tan Marble Floor Tile
12” Off-White Gray Spec Floor Tile
Mosaic Sheet Flooring
Interior Window Glazing
Pipe Fitting Insulation
9” Green Floor Tile
Cementitious Panel Above Doors
12” Tan Marble Floor Tile Mastic (Black)
12”Off-White Gray Spec FT Mastic
Black Sink Undercoating
Joint Compound

The following is a list of materials that were found and determined to be non-asbestos:

12" Multi-Color Floor Tile
12" Lime Green Floor Tile
12" Tan Floor Tile
12" White Floor Tile
12" Gray Floor Tile
9" Brown Floor Tile Mastic (Black)
9" Green Floor Tile Mastic (Black)
4" Brown Covebase
Plaster Ceiling Base Coat
3' x 4' Cementitious Panel on Cooler
1' x 1' Perforated Wall Tile
2' x 2' Flat Ceiling Tile
2' x 2 Fissured Ceiling Tile
Stage Curtain
Gypsum Wallboard
12" Multi-Color Floor Tile Mastic
12" Lime Green Floor Tile Mastic
12" Tan Floor Tile Mastic
12" White Floor Tile Mastic
12" Gray Floor Tile Mastic
9" Tan Floor Tile Mastic (Black)
Mosaic Sheet Flooring Adhesive
4" Brown Covebase Adhesive
Plaster Ceiling Skim Coat
2' x 4' Tectum Wall Tile
Glue Daubs on 1' x 1' Wall Tile
Perforated Acoustical Wall Tiles
Compressed Wall Board Panels
White Sink Basin Coating
Canvas on Fiberglass Pipe

VERTEX recommends an ACMs Survey be conducted prior to any renovation activities to comply with the EPA Title 40 CFR Part 61, NESHAPs and the Massachusetts Department of Environmental Protection Regulations.

Section 1
Inspection Report (continued)
Hazard Assessment

Each ACBM homogeneous area is assessed to determine the asbestos hazard. Factors considered when assessing homogeneous area hazard include: the friability of the material, the condition of material including type, severity, and extent of damage, the material's potential for disturbance (including accessibility and air flow) and the material's potential for damage. From this classification, a decision tree is used to determine the appropriate response action sufficient to protect human health and environment.

The location, estimated quantities, condition and Homogenous Area Hazard Assessment Category for the identified ACBMs are presented in Appendix A. The following is homogenous area assessment for each ACBM identified.

Homogeneous Area Assessment

Homogeneous Area #1-Pipe Insulation

Classification: Friable Thermal System Insulation

Asbestos-containing Pipe Insulation is generally located throughout the school above drop ceilings and assumed above hard ceilings and/or behind walls. Please refer to Appendix A which includes the locations, conditions, and estimated quantities. The pipe insulation where accessible was observed in generally good condition, friable and presents a potential for damage. In addition, the Designated Person should assume that potential asbestos-containing pipe insulation may be located behind walls and ceilings not accessible.

Homogeneous Area #2-Pipe Fitting Insulation

Classification: Friable Thermal System Insulation

Asbestos-containing Pipe Fitting Insulation is generally located throughout the school above drop ceilings and assumed above hard ceilings and/or behind walls. Please refer to Appendix A which includes the locations, conditions, and estimated quantities. The pipe fitting insulation where accessible was observed in generally good condition, friable and presents a potential for damage except for displayed damage observed within the Kitchen Office. In addition, the Designated Person should assume that potential asbestos-containing pipe fitting insulation may be located behind walls and ceilings not accessible.

Homogeneous Area #3- 9"x 9" Tan Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 9" x 9" Tan Floor Tile is generally located within the original section at the school. Please refer to Appendix A for the locations and estimated quantities. The 9" Tan Floor Tile generally displays minor damage, non-friable and presents a potential for damage.

Section 1
Inspection Report (continued)
Hazard Assessment

Homogeneous Area #4- 9"x 9" Brown Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 9" x 9" Brown Floor Tile is generally located within the original section at the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The 9" Brown Floor Tile generally displays minor damage in several areas, non-friable and presents a potential for damage.

Homogeneous Area #5- 9"x 9" Green Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 9" x 9" Green Floor Tile is located within the North Hallway and Room 117 at the school. The 9" Green Floor Tile is in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #6 12" x 12" Tan/Marble Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 12" x 12" Tan/Marble Floor Tile is generally located within the addition section at the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The 12" Tan/Marble Floor Tile generally displays minor damage in several areas, non-friable and presents a potential for damage.

Homogeneous Area #7 12" x 12" Off-White Gray Spec Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 12" x 12" Off-White Gray Spec Floor Tile is within the Rooms 222 and 224 as well as the Speech Room at the school. The 12" x 12" Off-White Gray Spec Floor Tile is in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #8 Black Floor Tile Mastic

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Black Floor Tile Mastic is generally located within the addition section at the school. The Black Floor Tile Mastic is covered and associated with 12" x 12" Off-White Gray Spec Floor Tile and 12" Tan/Marble Floor Tile.

Section 1
Inspection Report (continued)
Hazard Assessment

Homogeneous Area #9 Mosaic Sheet Flooring

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Mosaic Sheet Flooring is within the Room 17 at the school. The Mosaic Sheet Flooring is in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #10-Interior Window Glazing

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Interior Window Glazing is located on the Interior Partition Windows above the doorways the Boys and Girls Rooms (110 and 113) as well as the Conference Room (119) at the school. The Interior Window Glazing was observed in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #11- Cementitious Panels Above Doors

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Panels Above Doors are generally located at the entry ways to classrooms within the original section of the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The Panels Above Doors were observed in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #12- Joint Compound

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Joint Compound is located on the Gypsum Wallboard with the North Hallway and Room 117. The Joint Compound was observed in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #13 Black Sink Mastic

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Black Sink Mastic is generally located under the sink areas within the addition section classrooms at the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The Black Sink Mastic is in generally good condition, non-friable and presents a potential for damage.

SECTION 2

RESPONSE ACTION DETERMINATION

Section 2
Response Action Determination

The following is based on the Decision Tree for Thermal System Insulation Type ACM. The recommended response actions are determined utilizing the "decision tree" approach for Response Action Determination as outlined in EPA's "Asbestos Hazard Emergency Response Act," (AHERA) 40 CFR 763. Because of defined friability factors associated with surfacing and miscellaneous materials versus thermal system insulation, separate decision trees are utilized for each group of materials.

Decision Trees are used to estimate the risk associated with exposure to asbestos in a given homogeneous area, and to recommend certain response actions, which are consistent with regulatory requirements. Eight response actions are recommended for both thermal system insulation and for surfacing/miscellaneous insulation. The response section number given to each homogeneous area indicates a priority for action, the lower the number, the more serious the hazard. Most response actions call for an operations and maintenance program, assuming that this is the least burdensome method which still protects human health and environment. This does not prohibit the building owner from removal of ACM at any time, if that is the preferred response action.

Recommended response actions are based upon the material condition, disturbance, air-flow and the potential for damage. Potential response actions include the following:

1. Significantly Damaged Thermal System Insulation: **Response Action 1.** Isolate the area and restrict access to the area. ACM should be removed as soon as possible.
2. Damaged Thermal System Insulation with High Disturbance: **Response Action 2.** Continue O&M program and remove the ACM as soon as possible or reduce the potential for disturbance.
3. Damaged Thermal System Insulation with Moderate Disturbance and in the Presence of an Air Stream: **Response Action 2.** Continue with O&M Program and remove the ACM as soon as possible or reduce the potential for disturbance.
4. Damaged Thermal System Insulation with Moderate Disturbance: **Response Action 3.** Repair ACM, continue with O&M Program.
5. Damaged Thermal System Insulation with Low Disturbance and in the Presence of an Air Stream: **Response Action 4.** Repair ACM, continue with O&M Program.
6. Damaged Thermal System Insulation with Low Disturbance: **Response Action 5.** Repair ACM, continue with O&M Program.
7. Undamaged Thermal System Insulation with High Disturbance: **Response Action 6.** Continue with O&M Program and take preventative measures to reduce disturbance.
8. Undamaged Thermal System Insulation with Moderate Disturbance: **Response Action 7.** Continue with O&M Program and take preventative measure to reduce disturbance.
9. Undamaged Thermal System Insulation with Low Disturbance: **Response Action 7.** Continue with O&M Program and take preventative measure to reduce disturbance.

Section 2
Response Action Determination

The following is based on the Decision Tree for Surfacing and Miscellaneous ACM. Recommended response actions are based upon friability, material condition, disturbance, air flow and the potential for damage. Potential response actions include the following:

1. Friable Surfacing or Miscellaneous ACM with Significant Damage: **Response Action 1:** Isolate the area and restrict access to the area. Remove the ACM as soon as possible.
2. Friable Surfacing or Miscellaneous ACM with Damage and a High Disturbance: **Response Action 2:** Continue with O&M Program and remove ACM as soon as possible or reduce the potential for disturbance.
3. Friable Surfacing or Miscellaneous ACM with Damage, Moderate Disturbance and in the Presence of an Air Stream: **Response Action 2:** Continue with O&M Program and remove ACM as soon as possible or reduce the potential for disturbance.
4. Friable Surfacing or Miscellaneous ACM with Damage and Moderate Disturbance: **Response Action 3:** Continue with O&M Program and schedule removal when practical and cost-effective
5. Friable Surfacing or Miscellaneous ACM with Damage, Low Disturbance and in the Presence of an Air Stream: **Response Action 4:** Continue with O&M Program and schedule removal when practical and cost-effective
6. Friable Surfacing or Miscellaneous ACM with Damage and Low Disturbance: **Response Action 5.** Continue with O&M Program and schedule removal when practical and cost-effective
7. Friable Surfacing or Miscellaneous ACM with No Damage and High Disturbance: **Response Action 6.** Take preventative measures to reduce the disturbance.
8. Friable Surfacing or Miscellaneous ACM with No Damage and Moderate Disturbance: **Response Action 7.** Take preventative measure to reduce the disturbance.
9. Friable Surfacing or Miscellaneous ACM with No Damage and Low Disturbance: **Response Action 8.** Take preventative measure to reduce the disturbance.
10. Non-Friable Surfacing or Miscellaneous ACM: **Response Action 8:** Continue with O&M until major renovation or demolition requires removal under the EPA NESHAPS, or until hazard assessment factors change.

Section 2
Response Action Determination (continued)

Advantages and Disadvantage to Abatement Alternatives

The decision trees outlined in AHERA 40 CFR 763 are used to provide the "best" alternative for the specific conditions in each homogeneous area.

Below is a discussion of the alternative approaches to asbestos management in a building.

Long Term Operation & Maintenance Program

Advantages:

*Low initial cost for implementation
*Good interim plan
*An O&M program may be implemented and carried out by in house trained personnel.

Disadvantages:

*Asbestos remains in the building
*Condition of the asbestos must be monitored
*Cost of training and special work procedures may be significant
*Effectiveness may be limited where control of the building occupants is difficult

Encapsulation

Advantages:

*Reduces the risk of release of asbestos fibers
*Initial cost is lower than the cost of asbestos removal
*Asbestos-containing material may still serve its initial purpose
*Quick temporary means of repair

Disadvantages:

*Asbestos remains in the building and encapsulant makes removal more difficult
*Improper encapsulation may cause the material to delaminate or pull away from substrate
*Asbestos-containing material must have an O&M program
*Similar preparation for asbestos removal is required for encapsulation
*Long term cost may be greater than asbestos removal is periodic reapplication of the encapsulant is required

Section 2
Response Action Determination (continued)

Enclosure

Advantages:

*Enclosure reduces immediate exposure
*Initial cost of enclosure is lower that the cost of asbestos removal
*Asbestos-containing material may still serve its initial purpose
*Quick temporary means of repair

Disadvantages:

*Asbestos remains in place and later removal is more difficult
*If maintenance is required of the systems insulated with asbestos, the asbestos will be exposed
*An O&M program will have to be implemented for the asbestos-containing material
*Similar preparation for asbestos removal is required for enclosure

Removal

Advantages

*Asbestos-containing material is eliminated from the building
*There is no need for an O&M plan
*Initial cost is great, but the future costs are eliminated

Disadvantages:

*Re-insulating, re-fireproofing, or replacement of materials may be required
*Improper removal may raise levels of airborne fibers higher than background levels
*The initial cost of removal is very high
*Areas of the building involved in asbestos removal may not be occupied during removal

SECTION 3

RECOMMENDED RESPONSE ACTIONS

Section 3
Recommended Response Actions

The recommended response actions are for all the homogenous areas found within the school. The response actions are determined utilizing the decision tree approach for Response Action Determination as described in Section 2.

Homogeneous Area #1-Pipe Insulation

Response Action 7: The pipe insulation located at the school is in generally good condition. Limit the potential for disturbance and continue the Operations and Maintenance (O&M) Program until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change. It should be noted that asbestos-containing pipe insulation may be located above hard ceilings and/or behind walls. As such, a thorough exploratory inspection should be conducted prior to any renovations that may impact wall or ceiling areas.

Homogeneous Area #2-Pipe Fitting Insulation

Response Action 3: The pipe fitting insulation identified within the Kitchen Office displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the repair or remove the damaged pipe fitting insulation and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 7: The remaining pipe fitting insulation located at the school is in generally good condition. Limit the potential for disturbance and continue the O&M Program until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change. It should be noted that asbestos-containing pipe fitting insulation may be located above hard ceilings and/or behind walls. As such, a thorough exploratory inspection should be conducted prior to any renovations that may impact wall or ceiling areas.

Homogeneous Area #3- 9”x 9” Tan Floor Tile

Response Action 8: The 9” x 9” Tan Floor Tile identified within Rooms 1 (101), 2 (105), 5 (103), 10, and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 8: The remaining 9” x 9” Tan Floor Tile located at the school is in generally good condition. Please refer to Appendix A which includes the locations and estimated quantities of the 9” x 9” Tan Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Section 3
Recommended Response Actions (Continued)

Homogeneous Area #4- 9"x 9" Brown Floor Tile

Response Action 8: The 9" x 9" Brown Floor Tile identified within Rooms 102B, 103B, 105B, 107B, Conference Room (119), Teachers Room (121), Nurse Area (129) and , and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 8: The remaining 9" x 9" Brown Floor Tile located at the school is in generally good condition. Please refer to Appendix A which includes the locations and estimated quantities of the 9" x 9" Brown Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #5- 9"x 9" Green Floor Tile

Response Action 8: The 9" x 9" Green Floor Tile located within the North Hallway and Room 117 is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #6 12" x 12" Tan/Marble Floor Tile

Response Action 8: The 12" x 12" Tan/Marble Floor Tile identified within Rooms 18 (204), 220-Cusodial, 24 and 26 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 8: The remaining 12" x 12" Tan/Marble Floor Tile located at the school is in generally good condition. Please refer to Appendix A which includes the locations and estimated quantities of the 12" x 12" Tan/Marble Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #7 12" x 12" Off-White Gray Spec Floor Tile

Response Action 8: The 12" x 12" Off-White Gray Spec Floor Tile within Rooms 222 and 224 as well as the Speech Room is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Section 3
Recommended Response Actions (Continued)

Homogeneous Area #8 Black Floor Tile Mastic

Response Action 8: The Black Floor Tile Mastic is covered and associated with 12" x 12" Off-White Gray Spec Floor Tile and 12" Tan/Marble Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #9 Mosaic Sheet Flooring

Response Action 8: The Mosaic Sheet Flooring is within the Room 17 is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #10-Interior Window Glazing

Response Action 8: The Interior Window Glazing located on the Interior Partition Windows above the doorways the Boys and Girls Rooms (110 and 113) as well as the Conference Room (119) is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #11- Cementitious Panels Above Doors

Response Action 8: The Panels Above Doors located at the entry ways to classrooms within the original section of the school are in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #12- Joint Compound

Response Action 8: The Interior Window Glazing on the Gypsum Wallboard with the North Hallway and Room 117 is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #13 Black Sink Mastic

Response Action 8: The Black Sink Mastic is generally located under the sink areas within the addition section classrooms at the school is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

SECTION 4

RECORDKEEPING REQUIREMENTS AND RECOMMENDATIONS

Section 4
Recordkeeping Requirements and Recommendations

The AHERA regulations have very specific requirement for the maintenance of records associated with the management of the identified ACBMs in the school. The following is a list of some of the key items that the LEA Designated Person must maintain as part of the package:

- Initial AHERA inspection report and Asbestos Management Plan
- Subsequent 3-year reinspection reports.
- 6-month surveillance reports.
- Documentation for minor and major fiber release episodes. This includes abatement work performed by outside contractors as well as work performed by 16 hour trained maintenance personnel no matter how small.
- Documentation for completion of response actions (i.e. clearance testing, waste shipment records, etc.). This should always include applicable training and certification documentation for the parties involved performing the work activities.
- Labeling of ACBM (friable)
- Yearly notice to parents, teachers and staff.
- Training and medical exams for 16-hour trained personnel. Although training does not require renewal. Medicals are to be performed every year. In addition, 16-hour personnel should be fit tested every six months.
- Two-hour awareness training for staff. Any new workers are required to receive this training at start of employment. Training should include specific review of ACBMs in the building their working in.

The above items are some of the key items, which need to be incorporated into the plan. The following are some recommendations are how best to maintain for easy access and review by outside parties:

- Maintain an update the three- ring binder for the school. Have a duplicated copy, one for administration office and one for the facilities office.
- Create tab sections in the binder. Each section should contain the information above. This will allow for easy review and update.
- Ensure that for every major and minor fiber release episode, that all documentation is received.
- As you updated your file, ensure the school's is updated.

Section 4
Recordkeeping Requirements and Recommendations (continued)

Also, it is also required that if outside contractors enter building perform work that they review areas where asbestos may be present that will be near their work. Have a log at the school for them to sign that they have read and understand. This will protect the school from liability and ensure outside contactors will not disturb asbestos. Finally, periodically review program internally and with your 16-hour persons to ensure compliance.

The pipe fitting insulation identified within the Kitchen Office displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the repair or remove the damaged pipe fitting insulation and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

The 9" x 9" Tan Floor Tile identified within Rooms 1 (101), 2 (105), 5 (103), 10, and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

The 9" x 9" Brown Floor Tile identified within Rooms 102B, 103B, 105B, 107B, Conference Room (119), Teachers Room (121), Nurse Area (129) and , and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

The 12" x 12" Tan/Marble Floor Tile identified within Rooms 18 (204), 220-Cusodial, 24 and 26 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

VERTEX recommends implementing a periodic cleaning schedule with properly trained staff (i.e. 2-Hour Asbestos Awareness) utilizing HEPA-vacuums and wet mopping.

A required six-month periodic surveillance inspection should be scheduled for October 2021.

VERTEX recommends an ACMs Survey be conducted prior to any renovation activities to comply with the EPA Title 40 CFR Part 61, NESHAPs and the Massachusetts Department of Environmental Protection Regulations.

SECTION 5

ESTIMATED RESOURCES REQUIRED TO COMPLETE THE RESPONSE ACTIONS

Section 5
Estimated Resources Required to Complete the Response Actions

This section contains the estimated resources required to complete the abatement activities of the identified damaged ACBMs. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. The cost estimate below does not include abatement contactor mobilization, abatement design and/or project monitoring services.

Estimated Cost to complete the Response Actions at the Wampatuck Elementary School in Scituate, Massachusetts:

$1,400.00*

Cost Estimate Worksheet can be found in Appendix B.

* The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

Abatement Work Plan/Design Specification = $500-$2,500.00
Abatement Contactor Mobilization = $1,500.00-$2,500.00
Project Monitoring/Clearance Testing = $520.00-$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = $75.00-$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -$15.00/sample
Clearance Report Preparation = $350.00-$800.00

**The estimated cost provided above does not include costs that may be associated with two-hour asbestos awareness training, OSHA 16-hr Operations and Maintenance Training, and/or the labor to conduct the required six-month surveillance re-inspections. Please refer below for estimated costs that may be associated with the mentioned above:

2-Hour Asbestos Awareness Training = $75/person
OSHA 16-hr Operations and Maintenance Training = $300/person
Six-Month Periodic Surveillance Inspection = $400/inspection

SECTION 6

ESTIMATED RESOURCES REQUIRED FOR THE ABATEMENT OF THE IDENTIFIED ACBMs

Section 6
Estimated Resources Required For Abatement of the Identified ACBMs

This section contains the estimated resources required to perform the removal of identified ACBMS, however EPA recommends the ACBMs to be managed in place if they are not damaged. Alternative abatement costs are estimated using current Abatement Contractor Estimates. These estimates will vary per competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. The cost estimate below is a worst-case scenario if all identified ACBMs were to be removed. The cost estimate below does not include abatement contactor mobilization, abatement design and/or project monitoring services.

Estimated Cost for the Removal of ACBMs from the Wampatuck Elementary School in Scituate, Massachusetts: $350,000.00*

Cost Estimate Worksheet can be found in Appendix C.

*The estimated cost above does not include removal of potentially concealed ACBMs within the interior of the school. In addition, the estimated cost provided above does not include abatement of potential ACMs on the exterior of the site building and/or beyond the AHERA inspection.

** The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

Abatement Work Plan/Design Specification = $500-$2,500.00
Abatement Contactor Mobilization = $1,500.00-$2,500.00
Project Monitoring/Clearance Testing = $520.00-$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = $75.00-$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -$15.00/sample
Clearance Report Preparation = $350.00-$800.00

SECTION 7

OPERATIONS AND MAINTENANCE

Section 7
Operations and Maintenance Program

INTRODUCTION

The Scituate Public School District has established an overall asbestos control program that is designed to minimize exposure of all occupants of the school to asbestos fibers located at the Wampatuck Elementary School. This Operations and Maintenance (O&M) Plan is an integral part of the overall program. It sets guidelines for the proper in-place management of all assumed and identified asbestos-containing building materials (ACBM) located in the building.

This O&M plan contains the following sections:

A. A description of the **duties of the LEA Designated Person (DP).**

B. A procedure for **notifying** workers, tenants, and other visitors where ACBM are located, and stressing the importance of avoiding disturbing the ACBM in any way.

C. The detailed description of **O&M Activities,** including:

   1. **Emergency procedures** for both major and minor episodes of fiber release;

   2. **Periodic surveillance** of ACBM, so that any changes in the condition of ACBM can be noted, assessed, and documented; and

   3. Detailed descriptions of **work procedures** for both general maintenance and Asbestos Associated Project Workers, which must be used so that workers can avoid or minimize fiber release when performing activities that may disturb ACBM.

D. A list of **records** that must be kept to document O&M and abatement activities.

E. **Training requirements** for the DP, and custodial and maintenance staff.

In general, asbestos represents a health hazard **only** if fibers are breathed into the lungs or, in rare cases, are swallowed. Asbestos-containing materials that are non-friable (i.e. cannot be easily broken of crumbled by hand pressure) are not hazardous as long as they are intact and in good condition. Because friable materials can be easily crumbled or crushed, they are more susceptible to airborne fiber release than are non-friable materials.

It is a policy of the Scituate Public School District that untrained employees and outside contractors **DO NOT** handle, touch or otherwise disturb any material that is asbestos or suspected of containing asbestos. A properly qualified and trained individual must handle any material that is, or may contain asbestos. Non-asbestos materials have been and may be identified by the asbestos coordinator using one or more of the following criteria: (1) lab analysis, (2) results of previous lab analysis, (3) product composition labels, (4) receipts, and so forth. At no time will any employee, student, or outside contractor assume a material to be asbestos-free. An inventory of ACBMs identified from the inspection are presented in Appendix A.

Section 7
Operations and Maintenance Program (Continued)

1. DUTIES OF THE ASBESTOS MANAGEMENT PLAN DESIGNATED PERSON

The DP oversees the implementation and management of the O&M plan. Duties of the DP include (1) notifying building staff, workers, and outside contractors where ACBM is located in the building, (2) assigning workers to tasks involving work that may disturb ACBM, (3) ensuring that abatement and O&M activities are conducted by trained qualified personnel, and (4) keeping records of all asbestos-related activities at the property.

The DP must receive training related to asbestos issues (see "Training Requirements" of this plan).

2. NOTIFICATION

The DP shall ensure that building workers, outside contractors, and tenants are notified of the location, quantity, and physical condition of identified and assumed ACBM that they might disturb. Such notification shall be accomplished by written notice, by personal communication, by posting signs at entrances to mechanical areas, and/or by labeling ACBM. By informing occupants of potential hazards in their vicinity, the notification reduces the possibility that occupants will accidentally disturb ACBM. The notification must stress that persons who disturb ACBM may accidentally release asbestos fibers into the air, and that therefore everyone must avoid disturbing ACBM. This notification will assure compliance with Occupational Health and Safety Administration (OSHA) Regulation 29 CFR Part 1926.1101, which regulates asbestos exposure as it relates to construction work (including building maintenance) and with 29 CFR 1910.1001, which regulates asbestos exposure in general industry (including normal housekeeping).

If asbestos-related construction, abatement, of O&M activities is conducted, the DP shall also notify the following persons about the presence, location, and quantity of ACBM:

A. Employees of the building, such as maintenance and custodial personnel who will work in or adjacent to areas containing ACBM:

B. Staff who will occupy areas containing ACBM.

C. Prospective employers applying for or bidding for work if their employees will be expected to work in or adjacent to areas containing ACBM.

D. Multiple employers occupying a work-site in the building, any of whose employees will be performing work within or adjacent to areas containing ACBM.

Section 7
Operations and Maintenance Program (Continued)

Before conducting any work in the building that has the potential to impact ACBM, contractors will be required to sign the Contractor's Asbestos Notification and Acknowledgment Form. In addition, all contractors and contractor's employees who work on the site will be required to notify the DP of the presence, location, and quantity of newly discovered ACBM within 24 hours (or sooner if ACBM is disturbed) of the discovery. If any building materials are discovered, the asbestos content of which is unknown, the material shall be presumed to contain asbestos, until the results of sampling and analysis prove otherwise. Appropriate sampling of the material shall be conducted by a Massachusetts Department of Labor and Work Force Development Division of Labor Standards accredited asbestos inspector and analyzed at an appropriately licensed asbestos analytical laboratory.

The DP shall ensure that all required warning signs are posted during abatement and O&M activities during which the release of asbestos fibers into the air is possible. Warning signs shall demarcate all regulated areas and shall bear the following information:

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS AREA

Contractors and in-house personnel who remove ACBM within the site shall label all waste containers that contain ACBM waste in accordance with OSHA and EPA guidelines.

The Massachusetts Department of Environmental Protection (DEP) and the Massachusetts Division of Labor Standards (DLS) will be notified anytime work will impact any quantity of ACBM at the school.

The DP shall ensure that all previously installed ACBM that have been identified in the facility are labeled or identified by signs, as feasible. All ACBM that are friable and accessible, such as TSI located in mechanical areas or below suspended ceilings, will be labeled. Labels shall be attached to or posted in areas where employees, residents, and outside contractors who are likely to be exposed will clearly notice (such as at the entrance to mechanical rooms).

The labels shall bear the following information:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATHE DUST
AVOID CREATING DUST

Posted signs may be used in lieu of labels to indicate the type and location of each ACBM.

Section 7
Operations and Maintenance Program (Continued)

3. OPERATIONS AND MAINTENANCE ACTIVITIES

Operations and maintenance activities include:

- Emergency procedures to be followed in the event of a major or minor episode of fiber release;
- Periodic surveillance of ACBM within at the school building;
- Work procedures associated with planned maintenance activities that may disturb ACBM. Only properly trained personnel under the control and direction of the DP shall conduct operations and maintenance activities.
- Periodic Cleaning Activities

A. Emergency Procedures for Fiber Release Episodes

Fiber release episodes are categorized as *major* (the falling or dislodging of more than 3 square feet or 3 linear feet of friable ACBM), or minor (the falling or dislodging of fewer than 3 square feet or 3 linear feet of friable ACBM)

PROCEDURE FOR MAJOR EPISODE

1. Restrict entry into the area.

2. Immediately contact the DP

3. Post sign to prevent anyone from entering the area except persons necessary to perform the response action.

4. Shut off or temporarily modify the air-handling system to prevent the fibers from being distributed to other areas in the building.

5. The DP shall contact an accredited designer of abatement to prepare an abatement plan that specifies the appropriate response actions.

6. The DP shall ensure that only a Massachusetts Certified Asbestos Abatement Contractor conducts the response actions.

Section 7
Operations and Maintenance Program (Continued)

PROCEDURE FOR MINOR EPISODE

1. Thoroughly saturate the debris using all wetting methods necessary.

2. Clean the area using wet wiping techniques followed by vacuuming with a specially equipped High Efficiency Particulate Air (HEPA) vacuum.

3. Place all debris and all contaminated cleaning supplies (mop heads, rags, etc.) into a leak tight container, such as a 6-mil thick polyethylene waste bag, and seal the container. Place the sealed container into a second 6-mil thick polyethylene bag. If labeled waste bags are not used, apply warning label to outside of each bag used.

4. Repair the area of damaged ACBM, as follows:

    a. Use materials such as asbestos-free spackling, plaster, cement, or insulation; or

    b. Seal the area with latex paint or an encapsulate; or

    c. Immediately implement other appropriate response action.

B. Periodic Surveillance

Periodic surveillance of all known and assumed ACBM shall be conducted once every six months. The purpose of the regularly scheduled surveillance is to ensure that any ACBM that are damaged or that have deteriorated are detected in a timely manner. The DP shall use the information from the periodic surveillance in conjunction with ongoing reports from the periodic
surveillance in conjunction with ongoing reports from service workers of changes in the condition of the ACBM to take corrective action.

The periodic surveillance consists of a visual inspection of all known and assumed ACBM. Periodic surveillance shall also include a visual and physical evaluation of ACBM in order to determine the degree of damage and to assess the likelihood of future fiber release. The area in the immediate vicinity shall also be examined for potential loose ACBM debris. The DP shall record the cause of the damage.

Only persons who have received at least the minimum asbestos-awareness training (see “Training Requirements”, of this plan) shall conduct the periodic surveillance. The results of the surveillance shall be recorded on the periodic surveillance inspection form.

Section 7
Operations and Maintenance Program (Continued)

C. Work Procedures for General Maintenance Personnel

The following work practices shall be prohibited in all circumstances:

- Drilling holes in ACBM;
- Damaging ACBM while moving furniture or other objects;
- Sweeping of dusting floors, ceilings, moldings, or other surfaces in asbestos-contaminated environments;
- Using an ordinary vacuum to clean up asbestos-containing or asbestos contaminated debris (only vacuums equipped with a HEPA filter should be used);
- Removing potentially contaminated ventilation system filters without thoroughly wetting them; and
- Shaking potentially contaminated ventilation system filters.

D. Periodic Cleaning

The following is a general outline to be utilized for the properly trained personnel to conduct the periodic cleaning activities:

- Utilization of disposable rags to wet wipe of all non-porous horizontal surfaces followed by the use of a HEPA-equipped vacuum. Dry sweeping and/or dusting is not permitted to be used to clean the surfaces.
- The collected debris within the lined HEPA-equipped vacuum and disposal rags should be properly disposed of in a labeled asbestos-waste bag accompanied by a Waste Shipment Record for future disposal at a permitted facility that accepts asbestos waste.
- Document the Name of the individual conducting the work activities, location date and time of cleaning for proper recordkeeping. These records should be included within the AMP for the school.

Section 7
Operations and Maintenance Program (Continued)

4. RECORDKEEPING REQUIREMENTS

The building owner shall maintain the following documentation pertaining to ACBM in the facility:

- All data that are relied upon to demonstrate that suspect ACBM do not in fact contain asbestos.
- All data communicated and received that identify the locations and quantities of ACBM.
- All records associated with abatement projects and O&M activities.These documents shall be maintained during the term of ownership. They shall then be transferred to successive owners, in accordance with OSHA Regulation 1926.1101 (n).
- If the owner's employees conduct activities that may potentially cause them to be exposed to asbestos fibers, the owner shall keep the following additional records:
- All employee exposure-monitoring records pursuant to OSHA Regulation 1926.1101(f).
- All information relative to medical surveillance of employees pursuant to OSHA Regulation 1926.1101(m). Medical surveillance shall be required only if:

    1. Employees are required to conduct tasks that would result in their exposure to airborne concentrations of asbestos above the OSHA permissible exposure limit (PEL); or
    2. If employees conduct asbestos abatement tasks for more than 30 days per year.

- The owner shall maintain all employee-training records for one year beyond the employee's last date of employee's last date of employment.

5. TRAINING REQUIREMENTS

The extent of asbestos training for facility employees depends on the type of asbestos-related activities they will conduct. For most employees who will require training, a two-hour awareness course will be sufficient but necessary. For employees who are involved in activities where exposure to airborne asbestos fibers is likely, a more comprehensive 16-hour training course is necessary.

Section 7
Operations and Maintenance Program (Continued)

AWARENESS TRAINING

The curriculum shall include instruction in the following:

- The location, quantity, and physical condition of all ACBM located in the facility.
- Recognition of damage, deterioration, and delaminating of ACBM.
- The health effects associated with asbestos exposure, including the relationship between smoking and asbestos in producing lung cancer.
- Procedures to be implemented in the event of a minor or major episode of fiber release.
- The requirements for posting signs and affixing labels, and the meaning of the required legends for such signs and labels.

COMPREHENSIVE WORKER TRAINING

The curriculum shall include instruction in the following:

- All awareness training information described above.
- The nature of operations that could result in exposure to asbestos, and the importance of necessary protective controls and of procedures for minimizing exposure, including:
    - engineering controls
    - work practices,
    - respirators,
    - housekeeping procedures,
    - hygiene facilities,
    - protective clothing,
    - decontamination procedures,
    - emergency procedures,
    - waste disposal procedures and any necessary instruction in the use of these controls and procedures.

Section 7

Operations and Maintenance Program (Continued)

- The purpose, proper use, fitting instructions, and limitations of respirators.
- Medical surveillance program requirements
- The contents of the OSHA standard (1926.1101) regarding asbestos in construction.
- Hands-on-training in the use of respiratory protection, other personal protection measures, and work practices.

Detailed procedures for conducting small-scale, short duration abatement activities, as defined in Appendix A to Subpart E to EPA Regulation 40 CFR Part 763.

APPENDIX A

LOCATIONS OF THE ASBESTOS CONTAINING BUILDING MATERIALS

Appendix A
AHERA Inspection May 2021
Locations of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Class	Cond.	Fri.	HA #
	First Floor					
Room 1 (101)	9" x 9" Tan Floor Tile	890 ft^2	M	MD (2 ft^2)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5
Room 2 (105)	9" x 9" Tan Floor Tile	890 ft^2	M	MD (4 ft^2)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5
105B	9" x 9" Brown Floor Tile	48 ft^2	M	MD (4 ft^2)	N	6
Room 3 (102)	9" x 9" Tan Floor Tile	890 ft^2	M	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5
102B	9" x 9" Brown Floor Tile	48 ft^2	M	MD (4 ft^2)	N	6
Room 4 (106)	9" x 9" Tan Floor Tile	890 ft^2	M	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5

Appendix A
AHERA Inspection May 2021
Locations of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Class	Cond.	Fri.	HA #
First Floor (Continued)						
Room 5 (103)	9" x 9" Tan Floor Tile	890 ft^2	M	MD (24 ft^2)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5
103B	9" x 9" Brown Floor Tile	48 ft^2	M	MD (4 ft^2)	N	6
Room 6 (107)	9" x 9" Tan Floor Tile	890 ft^2	M	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5
107B	9" x 9" Brown Floor Tile	48 ft^2	M	MD (6 ft^2)	N	6
Room 7 (104)	9" x 9" Tan Floor Tile	890 ft^2	M	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5
Room 8 (108)	9" x 9" Tan Floor Tile	890 ft^2	M	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
	Cementitious Panel Above Door	6 ft^2	M	G	N	5
North Boys Room (110)	Interior Window Glazing	12 lf	M	G	N	5
North Girls Room (113)	Interior Window Glazing	12 lf	M	G	N	5
North Storage (115)	9" x 9" Brown Floor Tile	120 ft^2	M	G	N	5
116	9" x 9" Brown Floor Tile	264 ft^2	M	G	N	5

Appendix A
AHERA Inspection May 2021
Locations of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Class	Cond.	Fri.	HA #
First Floor (Continued)						
114	9" x 9" Brown Floor Tile	72 ft^2	M	G	N	5
112	9" x 9" Brown Floor Tile	20 ft^2	M	G	N	5
111	9" x 9" Brown Floor Tile	20 ft^2	M	G	N	5
North Hallway	9" x 9" Green Floor Tile	476 ft^2	M	G	N	5
	Drywall/Joint Compound	720 ft^2	M	G	N	5
Room 117	9" x 9" Green Floor Tile	500 ft^2	M	G	N	5
	Drywall/Joint Compound	720 ft^2	M	G	N	5
Room 9 (133)	9" x 9" Tan Floor Tile	900 ft^2	M	MD (6 ft^2)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
138	9" x 9" Brown Floor Tile	40 ft^2	M	G	N	5
Room 10	9" x 9" Tan Floor Tile	900 ft^2	M	MD (28 ft^2)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
137	9" x 9" Brown Floor Tile	40 ft^2	M	G	N	5
Room 11	9" x 9" Tan Floor Tile	900 ft^2	M	MD (4 ft^2)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
Room 12 (143)	9" x 9" Tan Floor Tile	900 ft^2	M	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5

Appendix A
AHERA Inspection May 2021
Locations of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Class	Cond.	Fri.	HA #
	First Floor (Continued)					
146	9" x 9" Brown Floor Tile	168 ft^2	M	G	N	5
Kitchen	Corkboard and Adhesive	70 ft^2	M	C	N	5
Kitchen Office	Pipe Insulation	30 lf	TSI	G	Y	6
	Pipe Fitting Insulation	3 Units	TSI	MD (3)	Y	1
Cafetorium	12" x 12" White Floor Tile	3000 ft^2	M	G	N	5
	Black Floor Tile Mastic	3000 ft^2	M	C	N	5
	Cementitious Panel Above Doors	42 ft^2	M	G	N	5
Room 13 (165)	12" White Blue Spec Floor Tile	900 ft^2	M	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	M	C	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
Room 14 (164)	12" White Blue Spec Floor Tile	900 ft^2	M	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	M	C	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
Room 15 (163)	12" White Blue Spec Floor Tile	900 ft^2	M	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	M	C	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5
Room 16	12" White Blue Spec Floor Tile	900 ft^2	M	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	M	C	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft^2	M	G	N	5

Appendix A
AHERA Inspection May 2021
Locations of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Class	Cond.	Fri.	HA #
	First Floor (Continued)					
Room 16.1	12" White Blue Spec Floor Tile	64 ft^2	M	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	64 ft^2	M	C	N	5
	Pipe Insulation	20 lf	TSI	G	Y	6
	Pipe Fitting Insulation	3 Units	TSI	G	Y	6
Room 17 (162)	Mosaic Pattern Sheet Flooring	1156 ft^2	M	G	N	5
South Play Room	9" x 9" Brown Floor Tile (Under Carpet)	1600 ft^2	M	C	N	5
Nurses Area (129)	9" x 9" Brown Floor Tile	432 ft^2	M	MD (2 ft^2)	N	5
Office Area	12" White Blue Spec Floor Tile	140 ft^2	M	G	N	5
	9" x 9" Brown Floor Tile (Assumed Under 12" Tile)	140 ft^2	M	C	N	5
127A-Closet	9" x 9" Brown Floor Tile	24 ft^2	M	G	N	5
Principal (126)	9" x 9" Brown Floor Tile (Assumed Under Carpet)	154 ft^2	M	C	N	5
Teachers Room (121)	9" x 9" Brown Floor Tile	648 ft^2	M	MD (4 ft^2)	N	5
Conference Room (119)	9" x 9" Brown Floor Tile	572 ft^2	M	MD (2 ft^2)	N	5
	Interior Window Glazing	120 lf	M	G	N	5
Receiving Storage Room (153)	9" x 9" Brown Floor Tile	112 ft^2	M	G	N	5
	Pipe Insulation	10 lf	TSI	G	N	5
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	900 ft^2	M	MD (30 ft^2)	N	5
	Black Floor Tile Mastic	900 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Room 19 (202)	12" x 12" Marble/Tan Floor Tile	900 ft^2	M	G	N	5
	Black Floor Tile Mastic	900 ft^2	M	G	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5

Appendix A
AHERA Inspection May 2021
Locations of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Class	Cond.	Fri.	HA #
First Floor (Continued)						
Room 20 (201)	12" x 12" Marble/Tan Floor Tile	900 ft^2	M	G	N	5
	Black Floor Tile Mastic	900 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Room 21 (203)	12" x 12" Marble/Tan Floor Tile	900 ft^2	M	G	N	5
	Black Floor Tile Mastic	900 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Room 22 (205)	12" x 12" Marble/Tan Floor Tile	900 ft^2	M	G	N	5
	Black Floor Tile Mastic	900 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Speech	12" x 12" Off-White Gray Spec Floor Tile	616 ft^2	M	G	N	5
	Black Floor Tile Mastic	616 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
AV Storage	12" x 12" Marble/Tan Floor Tile	176 ft^2	M	G	N	5
	Black Floor Tile Mastic	176 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
Library Office	12" x 12" Marble/Tan Floor Tile	121 ft^2	M	G	N	5
	Black Floor Tile Mastic	121 ft^2	M	C	N	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Work Room	12" x 12" Marble/Tan Floor Tile	154 ft^2	M	G	N	5
	Black Floor Tile Mastic	154 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				

Appendix A
AHERA Inspection May 2021
Locations of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Class	Cond.	Fri.	HA #
	First Floor (Continued)					
220-Custodial	12" x 12" Marble/Tan Floor Tile	108 ft^2	M	MD (6 ft^2)	N	6
	Black Floor Tile Mastic	108 ft^2	M	C	N	5
	Pipe Fitting Insulation	4 Units	TSI	G	Y	6
Room 23 (213)	12" x 12" Marble/Tan Floor Tile	900 ft^2	M	G	N	5
	Black Floor Tile Mastic	900 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Room 24 (215)	12" x 12" Marble/Tan Floor Tile	900 ft^2	M	G	N	5
	Black Floor Tile Mastic	900 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
222	12" x 12" Off-White Gray Spec Floor Tile	280 ft^2	M	G	N	5
	Black Floor Tile Mastic	280 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
224	12" x 12" Off-White Gray Spec Floor Tile	196 ft^2	M	G	N	5
	Black Floor Tile Mastic	196 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
Room 25	12" x 12" Marble/Tan Floor Tile	1204 ft^2	M	MD (3 ft^2)	N	6
	Black Floor Tile Mastic	1204 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	2 Units	M	G	N	5
Room 25-26 Hall	12" x 12" Marble/Tan Floor Tile	40 ft^2	M	G	N	5
	Black Floor Tile Mastic	40 ft^2	M	C	N	5
Room 26	12" x 12" Marble/Tan Floor Tile	1204 ft^2	M	MD (3 ft^2)	N	6
	Black Floor Tile Mastic	1204 ft^2	M	C	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	2 Units	M	G	N	5

Notes:

ft^2 = Square Foot	Cond. = Condition	U = Unknown	NA = Not Accessible
lf = Linear Foot	G = Good	C = Covered	
Unit = Each	MD = Minor Damage	M = Miscellaneous	
Y= Yes	D = Damaged	S= Surfacing	
N = No	Fri. = Friable	TSI = Thermal System Insulation	

HA # = Homogenous Area Hazard Assessment Category

1 = Damaged/Significantly Damaged Thermal System Insulation
2 = Damaged Friable Surfacing ACBM
3 = Significantly Damaged Friable Surfacing ACBM
4 = Damaged or Significantly Damaged Friable Miscellaneous ACBM
5 = ACBM with Potential for Damage
6 = ACBM with Potential for Significant Damage
7 = Any Remaining Friable ACBM or Friable Suspected ACBM
NA = Not Applicable

APPENDIX B

ESTIMATED RESOURCES REQUIRED TO COMPLETE THE RESPONSE ACTIONS

Appendix B
AHERA Inspection May 2021
Estimated Resources to Complete Response Actions
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Recommended Response Action	Estimated Cost	Recommended Completion Date of Response Action	Date of Completed Response Action
First Floor						
Room 1 (101)	9" x 9" Tan Floor Tile	2 ft^2	Repair	$18.00	July 2021	
Room 2 (105)	9" x 9" Tan Floor Tile	4 ft^2	Repair	$36.00	July 2021	
105B	9" x 9" Brown Floor Tile	4 ft^2	Repair	$36.00	July 2021	
102B	9" x 9" Brown Floor Tile	4 ft^2	Repair	$36.00	July 2021	
Room 5 (103)	9" x 9" Tan Floor Tile	24 ft^2	Repair	$216.00	July 2021	
103B	9" x 9" Brown Floor Tile	4 ft^2	Repair	$36.00	July 2021	
107B	9" x 9" Brown Floor Tile	6 ft^2	Repair	$54.00	July 2021	
Room 9 (133)	9" x 9" Tan Floor Tile	6 ft^2	Repair	$54.00	July 2021	
Room 10	9" x 9" Tan Floor Tile	28 ft^2	Repair	$252.00	July 2021	
Room 11	9" x 9" Tan Floor Tile	4 ft^2	Repair	$36.00	July 2021	
Kitchen Office	Pipe Fitting Insulation	3 Units	Repair	$75.00	July 2021	
Nurses Area (129)	9" x 9" Brown Floor Tile	2 ft^2	Repair	$18.00	July 2021	
Teachers Room (121)	9" x 9" Brown Floor Tile	4 ft^2	Repair	$36.00	July 2021	
Conference Room (119)	9" x 9" Brown Floor Tile	2 ft^2	Repair	$18.00	July 2021	
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	30 ft^2	Repair	$270.00	July 2021	
220-Custodial	12" x 12" Marble/Tan Floor Tile	6 ft^2	Repair	$54.00	July 2021	
Room 25	12" x 12" Marble/Tan Floor Tile	3 ft^2	Repair	$27.00	July 2021	
Room 26	12" x 12" Marble/Tan Floor Tile	3 ft^2	Repair	$27.00	July 2021	
Room 5 (103)	9" x 9" Tan Floor Tile	24 ft^2	Repair	$216.00	July 2021	

Notes:
ft^2 = Square Foot
Unit = Each

* The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

Abatement Work Plan/Design Specification = $500-$2,500.00
Abatement Contactor Mobilization = $1,500.00-$2,500.00
Project Monitoring/Clearance Testing = $520.00-$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = $75.00-$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -$15.00/sample
Clearance Report Preparation = $350.00-$800.00

**The estimated cost provided above does not include costs that may be associated with two-hour asbestos awareness training, OSHA 16-hr Operations and Maintenance Training, and/or the labor to conduct the required six-month surveillance re-inspections. Please refer below for estimated costs that may be associated with the mentioned above:

2-Hour Asbestos Awareness Training = $75/person
OSHA 16-hr Operations and Maintenance Training = $300/person
Six-Month Periodic Surveillance Inspection = $400/inspection

APPENDIX C

ESTIMATED RESOURCES REQUIRED FOR THE ABATEMENT OF THE IDENTIFIED ACBMs

Appendix C
AHERA Inspection May 2021
Estimated Costs for the Removal of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Estimated Costs
	First Floor		
Room 1 (101)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00
Room 2 (105)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00
105B	9" x 9" Brown Floor Tile	48 ft^2	$432.00
Room 3 (102)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00
102B	9" x 9" Brown Floor Tile	48 ft^2	$432.00
Room 4 (106)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00

Appendix C
AHERA Inspection May 2021
Estimated Costs for the Removal of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Estimated Costs
	First Floor (Continued)		
Room 5 (103)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00
103B	9" x 9" Brown Floor Tile	48 ft^2	$432.00
Room 6 (107)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00
107B	9" x 9" Brown Floor Tile	48 ft^2	$432.00
Room 7 (104)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00
Room 8 (108)	9" x 9" Tan Floor Tile	890 ft^2	$8,010.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
	Cementitious Panel Above Door	6 ft^2	$60.00
North Boys Room (110)	Interior Window Glazing	12 lf	$120.00
North Girls Room (113)	Interior Window Glazing	12 lf	$120.00
North Storage (115)	9" x 9" Brown Floor Tile	120 ft^2	$1,080.00
116	9" x 9" Brown Floor Tile	264 ft^2	$2,376.00

Appendix C
AHERA Inspection May 2021
Estimated Costs for the Removal of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Estimated Costs
	First Floor (Continued)		
114	9" x 9" Brown Floor Tile	72 ft^2	$648.00
112	9" x 9" Brown Floor Tile	20 ft^2	$180.00
111	9" x 9" Brown Floor Tile	20 ft^2	$180.00
North Hallway	9" x 9" Green Floor Tile	476 ft^2	$4,284.00
	Drywall/Joint Compound	720 ft^2	$4,320.00
Room 117	9" x 9" Green Floor Tile	500 ft^2	$4,500.00
	Drywall/Joint Compound	720 ft^2	$4,320.00
Room 9 (133)	9" x 9" Tan Floor Tile	900 ft^2	$8,100.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
138	9" x 9" Brown Floor Tile	40 ft^2	$360.00
Room 10	9" x 9" Tan Floor Tile	900 ft^2	$8,100.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
137	9" x 9" Brown Floor Tile	40 ft^2	$360.00
Room 11	9" x 9" Tan Floor Tile	900 ft^2	$8,100.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
Room 12 (143)	9" x 9" Tan Floor Tile	900 ft^2	$8,100.00
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00

Appendix C
AHERA Inspection May 2021
Estimated Costs for the Removal of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Estimated Costs
	First Floor (Continued)		
146	9" x 9" Brown Floor Tile	168 ft^2	$1,512.00
Kitchen	Corkboard and Adhesive	70 ft^2	$420.00
Kitchen Office	Pipe Insulation	30 lf	$750.00
	Pipe Fitting Insulation	3 Units	$75.00
Cafetorium	12" x 12" White Floor Tile	3000 ft^2	$27,000.00
	Black Floor Tile Mastic	3000 ft^2	
	Cementitious Panel Above Doors	42 ft^2	$420.00
Room 13 (165)	12" White Blue Spec Floor Tile	900 ft^2	$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
Room 14 (164)	12" White Blue Spec Floor Tile	900 ft^2	$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
Room 15 (163)	12" White Blue Spec Floor Tile	900 ft^2	$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00
Room 16	12" White Blue Spec Floor Tile	900 ft^2	$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	
	Pipe Insulation (Assumed Above Ceiling)	lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Chalkboard	88 ft^2	$880.00

Appendix C
AHERA Inspection May 2021
Estimated Costs for the Removal of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Estimated Costs
	First Floor (Continued)		
Room 16.1	12" White Blue Spec Floor Tile	64 ft^2	$704.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	64 ft^2	
	Pipe Insulation	20 lf	$500.00
	Pipe Fitting Insulation	3 Units	$75.00
Room 17 (162)	Mosaic Pattern Sheet Flooring	1156 ft^2	$10,404.00
South Play Room	9" x 9" Brown Floor Tile (Under Carpet)	1600 ft^2	$14,400.00
Nurses Area (129)	9" x 9" Brown Floor Tile	432 ft^2	$3,888.00
Office Area	12" White Blue Spec Floor Tile	140 ft^2	$1,260.00
	9" x 9" Brown Floor Tile (Assumed Under 12" Tile)	140 ft^2	$1,540.00
127A-Closet	9" x 9" Brown Floor Tile	24 ft^2	$216.00
Principal (126)	9" x 9" Brown Floor Tile (Assumed Under Carpet)	154 ft^2	$1,386.00
Teachers Room (121)	9" x 9" Brown Floor Tile	648 ft^2	$5,832.00
Conference Room (119)	9" x 9" Brown Floor Tile	572 ft^2	$5,148.00
	Interior Window Glazing	120 lf	$1,200.00
Receiving Storage Room (153)	9" x 9" Brown Floor Tile	112 ft^2	$1,008.00
	Pipe Insulation	10 lf	$250.00
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	900 ft^2	$8,100.00
	Black Floor Tile Mastic	900 ft^2	$0.00
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	$0.00
	Black Sink Mastic	1 Unit	$50.00
Room 19 (202)	12" x 12" Marble/Tan Floor Tile	900 ft^2	$8,100.00
	Black Floor Tile Mastic	900 ft^2	$0.00
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	$0.00
	Black Sink Mastic	1 Unit	$50.00

Appendix C
AHERA Inspection May 2021
Estimated Costs for the Removal of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Estimated Costs
	First Floor (Continued)		
Room 20 (201)	12" x 12" Marble/Tan Floor Tile	900 ft^2	$8,100.00
	Black Floor Tile Mastic	900 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	1 Unit	$50.00
Room 21 (203)	12" x 12" Marble/Tan Floor Tile	900 ft^2	$8,100.00
	Black Floor Tile Mastic	900 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	1 Unit	$50.00
Room 22 (205)	12" x 12" Marble/Tan Floor Tile	900 ft^2	$8,100.00
	Black Floor Tile Mastic	900 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	1 Unit	$50.00
Speech	12" x 12" Off-White Gray Spec Floor Tile	616 ft^2	$5,544.00
	Black Floor Tile Mastic	616 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
AV Storage	12" x 12" Marble/Tan Floor Tile	176 ft^2	$1,584.00
	Black Floor Tile Mastic	176 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
Library Office	12" x 12" Marble/Tan Floor Tile	121 ft^2	$1,089.00
	Black Floor Tile Mastic	121 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	1 Unit	$50.00
Work Room	12" x 12" Marble/Tan Floor Tile	154 ft^2	$1,386.00
	Black Floor Tile Mastic	154 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	

Appendix C
AHERA Inspection May 2021
Estimated Costs for the Removal of the Identified Asbestos-Containing Building Materials
Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	Estimated Costs
	First Floor (Continued)		
220-Custodial	12" x 12" Marble/Tan Floor Tile	108 ft^2	$972.00
	Black Floor Tile Mastic	108 ft^2	
	Pipe Fitting Insulation	4 Units	$100.00
Room 23 (213)	12" x 12" Marble/Tan Floor Tile	900 ft^2	$8,100.00
	Black Floor Tile Mastic	900 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	1 Unit	$50.00
Room 24 (215)	12" x 12" Marble/Tan Floor Tile	900 ft^2	$8,100.00
	Black Floor Tile Mastic	900 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	1 Unit	$50.00
222	12" x 12" Off-White Gray Spec Floor Tile	280 ft^2	$2,520.00
	Black Floor Tile Mastic	280 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
224	12" x 12" Off-White Gray Spec Floor Tile	196 ft^2	$1,764.00
	Black Floor Tile Mastic	196 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
Room 25	12" x 12" Marble/Tan Floor Tile	1204 ft^2	$10,836.00
	Black Floor Tile Mastic	1204 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	2 Units	$100.00
Room 25-26 Hall	12" x 12" Marble/Tan Floor Tile	40 ft^2	$360.00
	Black Floor Tile Mastic	40 ft^2	
Room 26	12" x 12" Marble/Tan Floor Tile	1204 ft^2	$10,836.00
	Black Floor Tile Mastic	1204 ft^2	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units	
	Black Sink Mastic	2 Units	$100.00

Notes:
ft^2 = Square Foot
lf = Linear Foot
Unit = Each

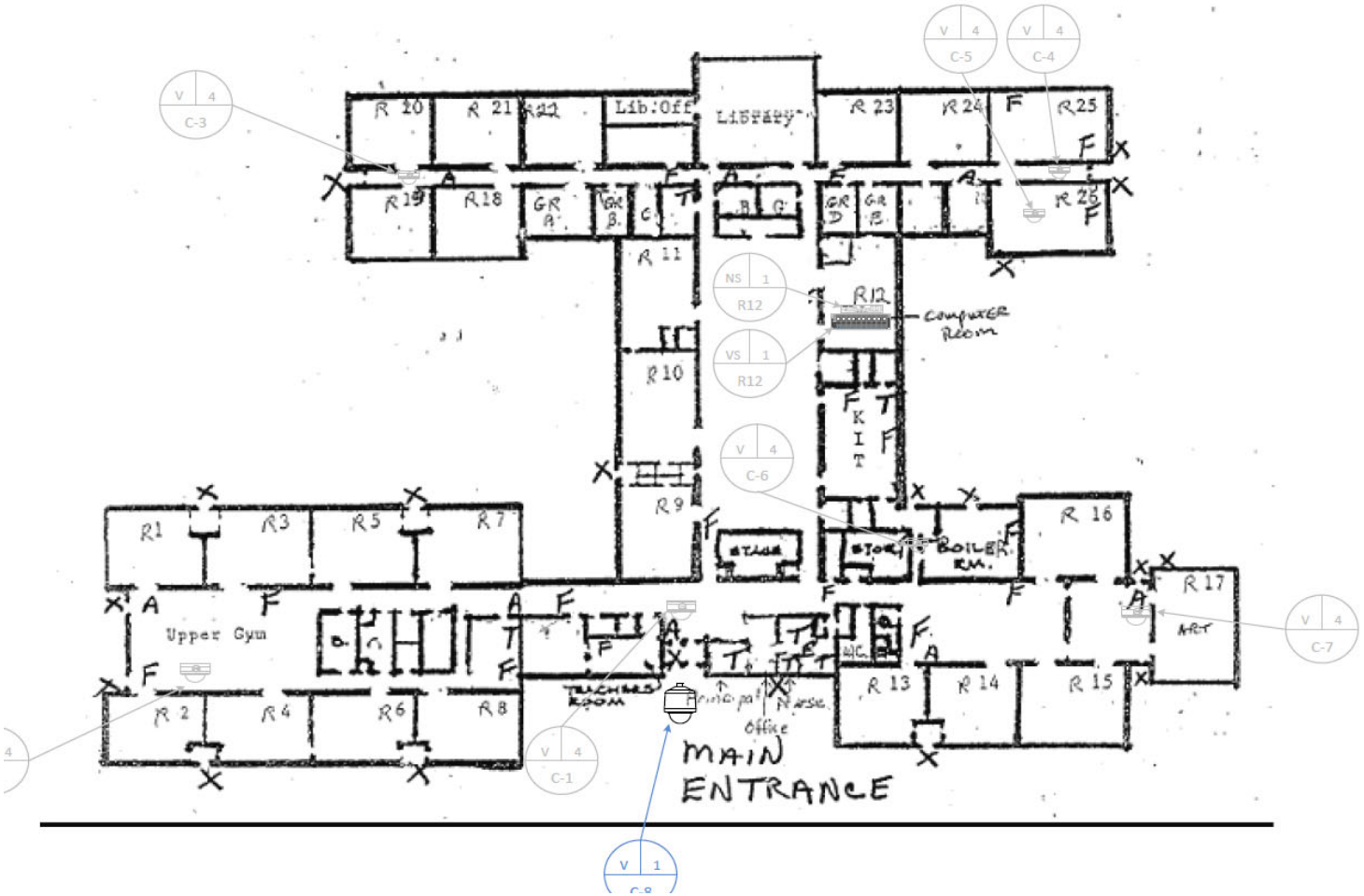
* The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. The estimated cost for floor tile mastic removal is included within the total cost for the removal of the associated floor tile. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

Abatement Work Plan/Design Specification = $500-$2,500.00
Abatement Contactor Mobilization = $1,500.00-$2,500.00
Project Monitoring/Clearance Testing = $520.00-$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = $75.00-$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -$15.00/sample
Clearance Report Preparation = $350.00-$800.00

APPENDIX D

SCHEMATIC

Wampatuck Elementary School
266 Tilden Road
Scituate, MA



APPENDIX E

LABORATORY RESULTS

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132102949
Customer ID:	VERT51
Customer PO:	
Project ID:	

Attention:	Jason Mohre	**Phone:**	(617) 939-3823
	The Vertex Companies, Inc.	**Fax:**	(781) 335-3543
	398 Libbey Parkway	**Received Date:**	04/26/2021 11:55 AM
	Weymouth, MA 02189	**Analysis Date:**	04/29/2021
		Collected Date:	04/22/2021

Project: 69699 - Wampatuck Elementary; 266 Tilden Road

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
B-422-01A *132102949-0001*	Wampatuck Elementary; 1st Floor; Room 222 - 12" Off-White Spec Floor Tile	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
B-422-01B *132102949-0002*	Wampatuck Elementary; 1st Floor; Room 208 - 12" Off-White Spec Floor Tile				Positive Stop (Not Analyzed)
B-422-02A *132102949-0003*	Wampatuck Elementary; 1st Floor; Room 222 - Black Floor Tile Mastic	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
B-422-02B *132102949-0004*	Wampatuck Elementary; 1st Floor; Room 208 - Black Floor Tile Mastic				Positive Stop (Not Analyzed)
B-422-03A *132102949-0005*	Wampatuck Elementary; 1st Floor; Room 222 - 12" Black/Dark Brown Speck Floor Tile	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
B-422-03B *132102949-0006*	Wampatuck Elementary; 1st Floor; Room 208 - 12" Black/Dark Brown Speck Floor Tile				Positive Stop (Not Analyzed)

Analyst(s)

Kevin Pine (3)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/29/2021 10:50:10

OrderID: 132102949

VERTEX

132102949

Bulk Sampling Log Form

Project Name: Wimpfheck Elementary 2GG Tiles Project #: 69699 Page: 1 of 1

Client: SPS Date: 4/22/21 Inspector: J. Molnar

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Wimpfheck Elementary	1	222	12" Off-White/Tan Speck Floor Tile	B-422-01A		-
		208	↓	B-422-01B	x	-
		222	Black Floor Tile mastic	B-422-02A		-
		208	↓	B-422-02B		-
		222	12" Black/Dark Brown Speck Floor Tile	B-422-03A		-
		208	↓	B-422-03B		-

Delivered By	Date	#Samples	Received By	Date	Time	# Samples
	4/22/21	6				

72-hr TAT
PLM - Asbestos Bulk
Positive Stop

REC'D ENGL-BOSTON APR 26 2021

SM 1155 walk in

CLIENT: SCITUATE PUBLIC SCHOOLS
600 CHIEF JUSTICE CUSHING HIGHWAY
SCITUATE, MA 02066

LOCATION: WAMPATUCK ELEMENTARY SCHOOL
266 TILDEN ROAD
SCITUATE, MASSACHUSETTS

PROJECT: 13.00298 - 392330
DATE RECEIVED: 08/23/13
ANALYZED: 08/26/13 TO 08/27/13
COLLECTED BY: COVINO
COLLECTED: 08/19/13 TO 08/20/13

ANALYTICAL RESULTS OF BULK SAMPLES

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392330	FIELD ID: 1A	WH	ASBESTOS - AMOSITE	40 %
	MATERIAL: PIPE INSULATION	N	ASBESTOS - CROCIDOLITE	10 %
	LOCATION: HALL, @ S. STORAGE ROOM		NONFIBROUS MATERIAL	50 %
392331	FIELD ID: 1B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE INSULATION	N/A		
	LOCATION: KITCHEN, OFFICE			
392332	FIELD ID: 1C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE INSULATION	N/A		
	LOCATION: ROOM 146			
392333	FIELD ID: 2A	TN	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION	N	FIBROUS GLASS	37 %
	LOCATION: S. STORAGE ROOM		NONFIBROUS MATERIAL	63 %
392334	FIELD ID: 2B	TN	ASBESTOS - CHRYSOTILE	08 %
	MATERIAL: PIPE FITTING INSULATION	N	FIBROUS GLASS	35 %
	LOCATION: ROOM 146		NONFIBROUS MATERIAL	57 %
392335	FIELD ID: 2C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE FITTING INSULATION	N/A		
	LOCATION: HALL, @ OFFICE			
392336	FIELD ID: 2D	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE FITTING INSULATION	N/A		
	LOCATION: ROOM 2			
392337	FIELD ID: 2E	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE FITTING INSULATION	N/A		
	LOCATION: ROOM 1			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392338	FIELD ID: 2F	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE FITTING INSULATION	N/A		
	LOCATION: ROOM 13			
392339	FIELD ID: 2G	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE FITTING INSULATION	N/A		
	LOCATION: ROOM 15			
392340	FIELD ID: 3A	PI	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392341	FIELD ID: 3B	PI	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: HALL, @ S. STORAGE ROOM			
392342	FIELD ID: 3C	PI	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: HALL, BY OFFICE			
392343	FIELD ID: 4A	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392344	FIELD ID: 4B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: HALL, BY S. STORAGE ROOM			
392345	FIELD ID: 4C	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: HALL, BY OFFICE			
392346	FIELD ID: 5A	BR	ASBESTOS - CHRYSOTILE	08 %
	MATERIAL: 9" X 9" BROWN FLOOR TILE	N	NONFIBROUS MATERIAL	92 %
	LOCATION: S. STORAGE ROOM			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392347	FIELD ID: 5B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE	N/A		
	LOCATION: RECEIVING STORAGE ROOM			
392348	FIELD ID: 5C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE	N/A		
	LOCATION: TEACHER'S ROOM			
392349	FIELD ID: 6A	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: S. STORAGE ROOM			
392350	FIELD ID: 6B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING STORAGE ROOM			
392351	FIELD ID: 6C	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: TEACHER'S ROOM			
392352	FIELD ID: 7A	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: S. STORAGE ROOM			
392353	FIELD ID: 7B	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING STORAGE ROOM			
392354	FIELD ID: 7C	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	HAIR	02 %
	LOCATION: ROOM 146		NONFIBROUS MATERIAL	98 %
392355	FIELD ID: 7D	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	HAIR	02 %
	LOCATION: ROOM 6		NONFIBROUS MATERIAL	98 %

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392356	FIELD ID: 7E	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	HAIR	< 1 %
	LOCATION: ROOM 119		NONFIBROUS MATERIAL	100 %
392357	FIELD ID: 7F	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	HAIR	< 1 %
	LOCATION: ROOM 13		NONFIBROUS MATERIAL	100 %
392358	FIELD ID: 7G	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 15			
392359	FIELD ID: 8A	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: S. STORAGE ROOM			
392360	FIELD ID: 8B	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING STORAGE ROOM			
392361	FIELD ID: 8C	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 146			
392362	FIELD ID: 8D	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 6			
392363	FIELD ID: 8E	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 169			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392364	FIELD ID: 8F	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 13			
392365	FIELD ID: 8G	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 15			
392366	FIELD ID: 9A	GN	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
392367	FIELD ID: 9B	GN	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
392368	FIELD ID: 9C	GN	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
392369	FIELD ID: 10A	YL	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
392370	FIELD ID: 10B	YL	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
392371	FIELD ID: 10C	YL	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
392372	FIELD ID: 11A	GY	NO ASBESTOS DETECTED	
	MATERIAL: 3' X 4' CEMENTITIOUS COOLER WALL PANEL	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392373	FIELD ID: 11B	GY	NO ASBESTOS DETECTED	
	MATERIAL: 3' X 4' CEMENTITIOUS COOLER WALL PANEL	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			
392374	FIELD ID: 12A	BR/BK	ASBESTOS - CHRYSOTILE	12 %
	MATERIAL: COOLER CORK CEILING INSULATION	Y	CELLULOSE	28 %
	LOCATION: KITCHEN		NONFIBROUS MATERIAL	60 %
	LAB NOTE: CHRYSOTILE ASSOCIATED WITH BLACK LAYER.			
392375	FIELD ID: 12B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: COOLER CORK CEILING INSULATION	N/A		
	LOCATION: KITCHEN			
392376	FIELD ID: 13A	TN	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" TAN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			
392377	FIELD ID: 13B	TN	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" TAN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			
392378	FIELD ID: 14A	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			
392379	FIELD ID: 14B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			
392380	FIELD ID: 15A	GY	ASBESTOS - CHRYSOTILE	30 %
	MATERIAL: AIRCELL PIPE INSULATION	N	CELLULOSE	20 %
	LOCATION: KITCHEN, OFFICE		NONFIBROUS MATERIAL	50 %
392381	FIELD ID: 15B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: AIRCELL PIPE INSULATION	N/A		
	LOCATION: ROOM 146			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392382	FIELD ID: 15C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: AIRCELL PIPE INSULATION	N/A		
	LOCATION: ROOM 146			
392383	FIELD ID: 16A	BR/WH	NO ASBESTOS DETECTED	
	MATERIAL: 1' X 1' PERFORATED WALL/CEILING TILE	N	CELLULOSE	90 %
	LOCATION: ROOM 12		NONFIBROUS MATERIAL	10 %
392384	FIELD ID: 16B	BR/WH	NO ASBESTOS DETECTED	
	MATERIAL: 1' X 1' PERFORATED WALL/CEILING TILE	N	CELLULOSE	90 %
	LOCATION: CONFERENCE ROOM		NONFIBROUS MATERIAL	10 %
392385	FIELD ID: 16C	BR/WH	NO ASBESTOS DETECTED	
	MATERIAL: 1' X 1' PERFORATED WALL/CEILING TILE	N	CELLULOSE	90 %
	LOCATION: CONFERENCE ROOM		NONFIBROUS MATERIAL	10 %
392386	FIELD ID: 17A	BR	NO ASBESTOS DETECTED	
	MATERIAL: GLUE DAUB ASSOC. W/1' X 1' WALL/CEILING TILE	N	TALC	10 %
			NONFIBROUS MATERIAL	90 %
	LOCATION: ROOM 12			
392387	FIELD ID: 17B	BR	NO ASBESTOS DETECTED	
	MATERIAL: GLUE DAUB ASSOC. W/1' X 1' WALL/CEILING TILE	N	TALC	10 %
			NONFIBROUS MATERIAL	90 %
	LOCATION: CONFERENCE ROOM			
392388	FIELD ID: 17C	BR	NO ASBESTOS DETECTED	
	MATERIAL: GLUE DAUB ASSOC. W/1' X 1' WALL/CEILING TILE	N	TALC	10 %
			NONFIBROUS MATERIAL	90 %
	LOCATION: CONFERENCE ROOM			
392389	FIELD ID: 18A	BR	NO ASBESTOS DETECTED	
	MATERIAL: 4" WALL BASE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 12			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392390	FIELD ID: 18B	BR	NO ASBESTOS DETECTED	
	MATERIAL: 4" WALL BASE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 15			
392391	FIELD ID: 18C	BR	NO ASBESTOS DETECTED	
	MATERIAL: 4" WALL BASE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 5			
392392	FIELD ID: 19A	BR	NO ASBESTOS DETECTED	
	MATERIAL: 4" WALL BASE ADHESIVE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 12			
392393	FIELD ID: 19B	BR	NO ASBESTOS DETECTED	
	MATERIAL: 4" WALL BASE ADHESIVE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 15			
392394	FIELD ID: 19C	BR	NO ASBESTOS DETECTED	
	MATERIAL: 4" WALL BASE ADHESIVE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 5			
392395	FIELD ID: 20A	TN	ASBESTOS - CHRYSOTILE	10 %
	MATERIAL: 9" X 9" TAN FLOOR TILE	N	NONFIBROUS MATERIAL	90 %
	LOCATION: ROOM 12			
392396	FIELD ID: 20B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" TAN FLOOR TILE	N/A		
	LOCATION: ROOM 10			
392397	FIELD ID: 20C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" TAN FLOOR TILE	N/A		
	LOCATION: ROOM 6			
392398	FIELD ID: 21A	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 12			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392399	FIELD ID: 21B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 10			
392400	FIELD ID: 21C	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 6			
392401	FIELD ID: 22A	WH	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" WHITE FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
392402	FIELD ID: 22B	WH	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" WHITE FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
392403	FIELD ID: 22C	TN	ASBESTOS - CHRYSOTILE	10 %
	MATERIAL: 12" X 12" WHITE FLOOR TILE	N	NONFIBROUS MATERIAL	90 %
	LOCATION: CAFETERIA			
392404	FIELD ID: 23A	YL	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" WHITE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
392405	FIELD ID: 23B	YL	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" WHITE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
392406	FIELD ID: 23C	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" WHITE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
392407	FIELD ID: 24A	WH/GY	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 2' FLAT CEILING TILE	Y	FIBROUS GLASS	85 %
	LOCATION: CAFETERIA		NONFIBROUS MATERIAL	15 %

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392408	FIELD ID: 24B	WH/GY	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 2' FLAT CEILING TILE	Y	FIBROUS GLASS	85 %
	LOCATION: CAFETERIA		NONFIBROUS MATERIAL	15 %
392409	FIELD ID: 24C	WH/GY	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 2' FLAT CEILING TILE	Y	FIBROUS GLASS	85 %
	LOCATION: ROOM 161		NONFIBROUS MATERIAL	15 %
392410	FIELD ID: 25A	TN/WH	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 4' TECTUM ACOUSTICAL WALL PANEL	Y	CELLULOSE	80 %
	LOCATION: CAFETERIA		NONFIBROUS MATERIAL	20 %
392411	FIELD ID: 25B	TN/WH	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 4' TECTUM ACOUSTICAL WALL PANEL	Y	CELLULOSE	80 %
	LOCATION: CAFETERIA		NONFIBROUS MATERIAL	20 %
392412	FIELD ID: 25C	TN/WH	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 4' TECTUM ACOUSTICAL WALL PANEL	Y	CELLULOSE	80 %
	LOCATION: S. PLAY ROOM		NONFIBROUS MATERIAL	20 %
392413	FIELD ID: 26A	RD	NO ASBESTOS DETECTED	
	MATERIAL: STAGE CURTAIN	N	CELLULOSE	98 %
	LOCATION: CAFETERIA		NONFIBROUS MATERIAL	02 %
392414	FIELD ID: 26B	RD	NO ASBESTOS DETECTED	
	MATERIAL: STAGE CURTAIN	N	CELLULOSE	98 %
	LOCATION: CAFETERIA		NONFIBROUS MATERIAL	02 %

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392415	FIELD ID: 27A	WH	NO ASBESTOS DETECTED	
	MATERIAL: WHITE SINK BASIN COATING	N	SYNTHETIC	12 %
	LOCATION: TEACHER'S ROOM		NONFIBROUS MATERIAL	88 %
392416	FIELD ID: 27B	WH	NO ASBESTOS DETECTED	
	MATERIAL: WHITE SINK BASIN COATING	N	SYNTHETIC	12 %
	LOCATION: TEACHER'S ROOM		NONFIBROUS MATERIAL	88 %
392417	FIELD ID: 28A	TN	ASBESTOS - CHRYSOTILE	02 %
	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND	N	NONFIBROUS MATERIAL	98 %
	LOCATION: HALL, @ CONFERENCE ROOM			
392418	FIELD ID: 28B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND	N/A		
	LOCATION: HALL, @ CONFERENCE ROOM			
392419	FIELD ID: 28C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND	N/A		
	LOCATION: HALL, @ CONFERENCE ROOM			
392420	FIELD ID: 29A	GN	ASBESTOS - CHRYSOTILE	10 %
	MATERIAL: 9" X 9" GREEN FLOOR TILE	N	NONFIBROUS MATERIAL	90 %
	LOCATION: ROOM 117			
392421	FIELD ID: 29B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" GREEN FLOOR TILE	N/A		
	LOCATION: HALL, @ ROOM 117			
392422	FIELD ID: 30A	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 117			
392423	FIELD ID: 30B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: HALL, @ ROOM 117			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392424	FIELD ID: 31A	GY/BR	NO ASBESTOS DETECTED	
	MATERIAL: GYPSUM WALLBOARD	Y	CELLULOSE	15 %
	LOCATION: ROOM 117		NONFIBROUS MATERIAL	85 %
392425	FIELD ID: 31B	GY/BR	NO ASBESTOS DETECTED	
	MATERIAL: GYPSUM WALLBOARD	Y	CELLULOSE	20 %
	LOCATION: HALL, @ ROOM 8		NONFIBROUS MATERIAL	80 %
392426	FIELD ID: 31C	GY/BR	NO ASBESTOS DETECTED	
	MATERIAL: GYPSUM WALLBOARD	Y	CELLULOSE	12 %
	LOCATION: HALL, @ ROOM 117		NONFIBROUS MATERIAL	88 %
392427	FIELD ID: 32A	TN	ASBESTOS - CHRYSOTILE	02 %
	MATERIAL: JOINT COMPOUND ASSOC. W/GYPSUM WALLBOARD	N	NONFIBROUS MATERIAL	98 %
	LOCATION: ROOM 117			
392428	FIELD ID: 32B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: JOINT COMPOUND ASSOC. W/GYPSUM WALLBOARD	N/A		
	LOCATION: HALL, @ ROOM 8			
392429	FIELD ID: 32C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: JOINT COMPOUND ASSOC. W/GYPSUM WALLBOARD	N/A		
	LOCATION: HALL, @ ROOM 117			
392430	FIELD ID: 33A	GY	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" GRAY FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392431	FIELD ID: 33B	GY	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" GRAY FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392432	FIELD ID: 33C	GY	NO ASBESTOS DETECTED	
	MATERIAL: FLOOR TILE, 12 X 12	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392433	FIELD ID: 34A	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" GRAY FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392434	FIELD ID: 34B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" GRAY FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392435	FIELD ID: 35A	BR/BL	NO ASBESTOS DETECTED	
	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS	N	CELLULOSE	90 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	10 %
392436	FIELD ID: 35B	BR/BL	NO ASBESTOS DETECTED	
	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS	N	CELLULOSE	90 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	10 %
392437	FIELD ID: 35C	BR/BL	NO ASBESTOS DETECTED	
	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS	N	CELLULOSE	90 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	10 %
392438	FIELD ID: 36A	WH	ASBESTOS - CHRYSOTILE	14 %
	MATERIAL: 1/4" COVERING ON BATHROOM DUCT	N	FIBROUS GLASS	26 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	60 %
392439	FIELD ID: 36B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 1/4" COVERING ON BATHROOM DUCT	N/A		
	LOCATION: ROOM 16			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392440	FIELD ID: 36C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 1/4" COVERING ON BATHROOM DUCT	N/A		
	LOCATION: ROOM 16			
392441	FIELD ID: 37A	TN	ASBESTOS - CHRYSOTILE	12 %
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE	N	NONFIBROUS MATERIAL	88 %
	LOCATION: ROOM 161			
392442	FIELD ID: 37B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE	N/A		
	LOCATION: ROOM 161			
392443	FIELD ID: 37C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE	N/A		
	LOCATION: ROOM 161			
392444	FIELD ID: 38A	BK	ASBESTOS - CHRYSOTILE	12 %
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	88 %
	LOCATION: ROOM 161			
392445	FIELD ID: 38B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE MASTIC	N/A		
	LOCATION: ROOM 161			
392446	FIELD ID: 38C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE MASTIC	N/A		
	LOCATION: ROOM 161			
392447	FIELD ID: 39A	TN	NO ASBESTOS DETECTED	
	MATERIAL: CANVAS COVERING ON FIBERGLASS PIPE INSULATION	N	CELLULOSE	100 %
	LOCATION: ROOM 161			
392448	FIELD ID: 39B	TN	NO ASBESTOS DETECTED	
	MATERIAL: CANVAS COVERING ON FIBERGLASS PIPE INSULATION	N	CELLULOSE	100 %
	LOCATION: ROOM 161			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392449	FIELD ID: 39C	TN/OR	NO ASBESTOS DETECTED	
	MATERIAL: CANVAS COVERING ON FIBERGLASS PIPE INSULATION	N	CELLULOSE	99 %
			NONFIBROUS MATERIAL	01 %
	LOCATION: ROOM 17			
392450	FIELD ID: 40A	GY	ASBESTOS - CHRYSOTILE	14 %
	MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING	N	FIBROUS GLASS	26 %
			NONFIBROUS MATERIAL	60 %
	LOCATION: ROOM 161			
392451	FIELD ID: 40B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING	N/A		
	LOCATION: ROOM 161			
392452	FIELD ID: 40C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING	N/A		
	LOCATION: ROOM 17			
392453	FIELD ID: 40D	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING	N/A		
	LOCATION: BOYS' ROOM (E)			
392454	FIELD ID: 40E	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING	N/A		
	LOCATION: GIRLS' ROOM (E)			
392455	FIELD ID: 40F	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING	N/A		
	LOCATION: ROOM 21			
392456	FIELD ID: 40G	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING	N/A		
	LOCATION: ROOM 18			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392457	FIELD ID: 41A	MU	ASBESTOS - CHRYSOTILE	20 %
	MATERIAL: MOSAIC SHEET FLOORING	Y	CELLULOSE	15 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	65 %
392458	FIELD ID: 41B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: MOSAIC SHEET FLOORING	N/A		
	LOCATION: ROOM 17			
392459	FIELD ID: 41C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: MOSAIC SHEET FLOORING	N/A		
	LOCATION: ROOM 17			
392460	FIELD ID: 42A	YL	NO ASBESTOS DETECTED	
	MATERIAL: MOSAIC SHEET FLOORING ADHESIVE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 17			
392461	FIELD ID: 42B	YL	NO ASBESTOS DETECTED	
	MATERIAL: MOSAIC SHEET FLOORING ADHESIVE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 17			
392462	FIELD ID: 42C	YL	NO ASBESTOS DETECTED	
	MATERIAL: MOSAIC SHEET FLOORING ADHESIVE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 17			
392463	FIELD ID: 43A	GY	NO ASBESTOS DETECTED	
	MATERIAL: COMPRESSED WALLBOARD PANELS	N	CELLULOSE	98 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	02 %
392464	FIELD ID: 43B	GY/WH/BL	NO ASBESTOS DETECTED	
	MATERIAL: COMPRESSED WALLBOARD PANELS	Y	CELLULOSE	90 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	10 %

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392465	FIELD ID: 43C	GY/WH/BL	NO ASBESTOS DETECTED	
	MATERIAL: COMPRESSED WALLBOARD PANELS	Y	CELLULOSE	90 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	10 %
392466	FIELD ID: 44A	GY/WH	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 2' FISSURED CEILING TILE	N	FIBROUS GLASS	35 %
	LOCATION: EAST WING, BOYS' ROOM		CELLULOSE	50 %
			NONFIBROUS MATERIAL	15 %
392467	FIELD ID: 44B	GY/WH	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 2' FISSURED CEILING TILE	N	FIBROUS GLASS	35 %
	LOCATION: EAST WING, GIRLS' ROOM		CELLULOSE	50 %
			NONFIBROUS MATERIAL	15 %
392468	FIELD ID: 44C	GY/WH	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 2' FISSURED CEILING TILE	N	FIBROUS GLASS	35 %
	LOCATION: EAST WING, MEN'S ROOM		CELLULOSE	50 %
			NONFIBROUS MATERIAL	15 %
392469	FIELD ID: 45A	BK	ASBESTOS - CHRYSOTILE	05 %
	MATERIAL: BLACK SINK BASIN COATING	N	NONFIBROUS MATERIAL	95 %
	LOCATION: ROOM 26			
392470	FIELD ID: 45B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: BLACK SINK BASIN COATING	N/A		
	LOCATION: ROOM 25			
392471	FIELD ID: 45C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: BLACK SINK BASIN COATING	N/A		
	LOCATION: ROOM 24			
392472	FIELD ID: 46A	TN	ASBESTOS - CHRYSOTILE	03 %
	MATERIAL: INTERIOR HALLWAY WINDOW GLAZING COMPOUND AT DOORWAYS	N	NONFIBROUS MATERIAL	97 %
	LOCATION: HALL, @ ROOM 24			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392473	FIELD ID: 46B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: INTERIOR HALLWAY WINDOW GLAZING COMPOUND AT DOORWAYS	N/A		
	LOCATION: HALL, @ ROOM 24			
392474	FIELD ID: 46C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: INTERIOR HALLWAY WINDOW GLAZING COMPOUND AT DOORWAYS	N/A		
	LOCATION: HALL, @ ROOM 21			
392475	FIELD ID: 47A	GY/BL	ASBESTOS - CHRYSOTILE	38 %
	MATERIAL: CEMENTITIOUS TRANSOM WINDOW REPLACEMENT	N	NONFIBROUS MATERIAL	62 %
	LOCATION: CAFETERIA			
392476	FIELD ID: 47B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS TRANSOM WINDOW REPLACEMENT	N/A		
	LOCATION: N. PLAY ROOM			
392477	FIELD ID: 47C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: CEMENTITIOUS TRANSOM WINDOW REPLACEMENT	N/A		
	LOCATION: S. PLAY ROOM			
392478	FIELD ID: 34C	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12 X 12 FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			

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PROJECT: 13.00298 - 392330 RECEIVED: 08/23/13 CLIENT: SCITUATE PUBLIC SCHOOLS

NOTES: N/A=NOT APPLICABLE

COLOR CODES:												
	BG	BEIGE	BR	BROWN	GY	GRAY	OR	ORANGE	RD	RED	WH	WHITE
	BK	BLACK	CL	CLEAR	MU	MULTI	PI	PINK	SI	SILVER	YL	YELLOW
	BL	BLUE	GN	GREEN	N/A	NONE	PR	PURPLE	TN	TAN	MA	MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL332367 ME #LB-061
CT #PH-0248

ACCREDITATION: NVLAP #101781-0

DATE OF ISSUE: 09/05/13 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMPLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

30 Wildwood Ave, Woburn, MA
Phone 781.933.2555 Fax 781.932.9402 Email: mail@covinoinc.com

Asbestos Bulk Chain of Custody

* STOP @ 1st POSITIVE

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr standard (5 day)
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DESCRIPTION	Stereoscopic Visual: Color	% Asb	Text	Homog	Optical Properties: Morph	Extin	Signe	Bire	Pleo	Other	Fiber Ref. Ind.: ⊥	∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
1A / 372330	MATERIAL: PIPE INSULATION LOCATION: HALL @ S. STORAGE RM	WH	50	F	Y	S	II	+	M	N		1670	1701		40										50
						W	II	–	M	Y		1710	1700			10									
1B / 372331	MATERIAL: PIPE INSULATION LOCATION: KITCHEN OFFICE																				NOT ANALYZED				
1C / 372332	MATERIAL: PIPE INSULATION LOCATION: RM 146																				NOT ANALYZED				
2A / 372333	MATERIAL: PIPE FITING INSULATION LOCATION: S. STORAGE RM.	TN	24	F	Y															37 150					63
2B / 372334	MATERIAL: PIPE FITING INSULATION LOCATION: RM 146	TN	8	F	Y	W	II	+	L	N		1516	1553	8						35 150					57
2C / 372335	MATERIAL: PIPE FITING INSULATION LOCATION: HALL @ OFFICE																				NOT ANALYZED				

Relinquished by: Ken Roberts Date: 8/23/2013 Received by: _____ Date: 8-23-13

Accept ___ Reject ___ Comments _____ Analyst's Signature _____ Date(s) Analyzed: 8-26-13 Temp: 22.8c

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Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extin	Sign E	Bire	Pleo	Other	⊥	||	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
2D / 397336	MATERIAL: Pipe Fitting Insulation LOCATION: Rm 2																				NOT ANALYZED				
2E / 397337	MATERIAL: Pipe Fitting Insulation LOCATION: Rm 1																				NOT ANALYZED				
2F / 397338	MATERIAL: Pipe Fitting Insulation LOCATION: Rm 13																				NOT ANALYZED				
2G / 397339	MATERIAL: Pipe Fitting Insulation LOCATION: Rm 15																				NOT ANALYZED				
3A / 397340	MATERIAL: 12"x12" Multicolor Floor Tile LOCATION: OFFICE	PK	ND	NF	Y																				100
3B / 397341	MATERIAL: 12"x12" Multicolor Floor Tile LOCATION: Hall @ S. Storage Rm	PK	ND	NF	Y																				100

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Stop @ 1st Pos

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Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extin	Sign E	Bire	Pleo	Other	⊥	∥	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
3C / 392342	MATERIAL: 12"x12" MULTICOLOR FLOOR TILE LOCATION: HALL BY OFFICE	PK	20	NF	Y																				100
4A / 392343	MATERIAL: 12"x12" MULTICOLOR FLOOR TILE MASTIC LOCATION: OFFICE	BK	20	NF	Y																				100
4B / 392344	MATERIAL: 12"x12" MULTICOLOR FLOOR TILE MASTIC LOCATION: HALL BY S. STORAGE RM	BK	20	NF	Y																				100
4C / 392345	MATERIAL: 12"x12" MULTICOLOR FLOOR TILE MASTIC LOCATION: HALL BY OFFICE	BK	20	NF	Y																				100
5A / 392346	MATERIAL: 9"x9" BROWN FLOOR TILE LOCATION: S. STORAGE RM.	BR	30	NF	Y	W	II	+	LN			1917	1553	C											72
5B / 392347	MATERIAL: 9"x9" BROWN FLOOR TILE LOCATION: RECEIVING STORAGE RM.																				NOT	ANALYZED			

Relinquished by: Glenn Potter Date: 8/23/2013 Received by: Date: 8-23-13

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5C / 392348	MATERIAL: 9"x9" BROWN FLOOR TILE LOCATION: TEACHER'S RM.																				NOT ANALYZED				
6A / 392349	MATERIAL: 9"x9" BROWN FLOOR TILE MASTIC LOCATION: S. STORAGE RM	BK	ND	NF	Y																				100
6B / 392350	MATERIAL: 9"x9" BROWN FLOOR TILE MASTIC LOCATION: RECEIVING STORAGE RM	BK	ND	NF	Y																				100
6C / 392351	MATERIAL: 9"x9" BROWN FLOOR TILE MASTIC LOCATION: TEACHER'S RM	BK	ND	NF	Y																				100
7A / 392352	MATERIAL: PLASTER CEILING- BASE COAT LOCATION: S. STORAGE RM	GY	ND	F	Y																				100
7B / 392353	MATERIAL: PLASTER CEILING- BASE COAT LOCATION: RECEIVING STORAGE RM.	GY	ND	F	Y																				100

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Sample ID / Field ID # / Lab ID #	DESCRIPTION	Stereoscopic Visual: Color	%Asb	Texture	Homog	Optical Properties: Morph	Extinction	Sign E	Birefringence	Pleochroism	Other	Fiber Ref. Ind. ⊥	Fiber Ref. Ind. ∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
7C 392354	MATERIAL: Plaster Ceiling – Base Coat LOCATION: Rm 146	GY	2ND	F	Y																	2 scales			98
7D 392355	MATERIAL: Plaster Ceiling – Base Coat LOCATION: Rm 6	GY	2ND	F	Y																	2 scales			98
7E 392356	MATERIAL: Plaster Ceiling – Base Coat LOCATION: Rm 169	GY	2ND	F	Y																	TR			100
7F 392357	MATERIAL: Plaster Ceiling – Base Coat LOCATION: Rm 13	GY	2ND	F	Y																	TR			100
7G 392358	MATERIAL: Plaster Ceiling – Base Coat LOCATION: Rm 15	GY	2ND	F	Y																				100
8A 392359	MATERIAL: Plaster Ceiling – Skim Coat LOCATION: 9. Storage Rm.	WH	2ND	F	Y																				100

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EB / 392360	MATERIAL: Plaster Ceiling - Skim Coat LOCATION: Receiving Storage Rm	WH	ND	F	Y																				100
BC / 392361	MATERIAL: Plaster Ceiling - Skim Coat LOCATION: Rm 146	WH	ND	F	Y																				100
BD / 392362	MATERIAL: Plaster Ceiling - Skim Coat LOCATION: Rm 6	WH	ND	F	Y																				100
BE / 392363	MATERIAL: Plaster Ceiling - Skim Coat LOCATION: Rm 169	WH	ND	F	Y																				100
BF / 392364	MATERIAL: Plaster Ceiling - Skim Coat LOCATION: Rm 13	WH	ND	F	Y																				100
BG / 392365	MATERIAL: Plaster Ceiling - Skim Coat LOCATION: Rm 15	WH	ND	F	Y																				100

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Asbestos Bulk Chain of Custody

Page 1 of 2

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9A / 392366	MATERIAL: 12"x12" LIME GREEN FLOOR TILE LOCATION: RECEIVING RM	GR	20	NF	Y																				100
9B / 392367	MATERIAL: 12"x12" LIME GREEN FLOOR TILE LOCATION: RECEIVING RM	GR	20	NF	Y																				100
9C / 392368	MATERIAL: 12"x12" LIME GREEN FLOOR TILE LOCATION: RECEIVING RM	GR	20	NF	Y																				100
10A / 392369	MATERIAL: 12"x12" LIME GREEN FLOOR TILE MASTIC LOCATION: RECEIVING RM	YL	20	NF	Y																				100
10B / 392370	MATERIAL: 12"x12" LIME GREEN FLOOR TILE MASTIC LOCATION: RECEIVING RM	YL	20	NF	Y																				100
10C / 392371	MATERIAL: 12"x12" LIME GREEN FLOOR TILE MASTIC LOCATION: RECEIVING RM.	YL	20	NF	Y																				100

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

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11 A / 392372	MATERIAL: 3'x4' CEMENTIOUS COOLER WALL PANEL LOCATION: KITCHEN	GY	ND	NF	Y																				100
11 B / 392373	MATERIAL: 3'x4' CEMENTICIOUS COOLER WALL PANEL LOCATION: KITCHEN	GY	ND	NF	Y																				100
12 A / 392374	MATERIAL: COOLER CORK CELLULOSE INSULATION * LOCATION: KITCHEN	BR/BK	12	L	N	WII	+	L	N			1516	1553	12							28				60
12 B / 392375	MATERIAL: COOLER CORK CELLULOSE INSULATION LOCATION: KITCHEN																				NOT ANALYZED				
13 A / 392376	MATERIAL: 12"x12" TAN FLOOR TILE LOCATION: KITCHEN	TN	ND	NF	Y																				100
13 B / 392377	MATERIAL: 12"x12" TAN FLOOR TILE LOCATION: KITCHEN	TN	ND	NF	Y																				100

Relinquished by: [signature] Date: 8/26/2013 Received by: [signature] Date: 8-23-13

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* CHRYSOTILE ASSOCIATED WITH BLACK LAYER

Rev. 3/28/08

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14 A 3-12378	MATERIAL: 12"x12" TAN FLOOR TILE MASTIC LOCATION: KITCHEN	BK	ND	NF	Y																				100
14 B 3-12379	MATERIAL: 12"x12" TAN FLOOR TILE MASTIC LOCATION: KITCHEN	BK	ND	NF	Y																				100
15 A 3-12380	MATERIAL: AIR CELL PIPE INSULATION LOCATION: KITCHEN OFFICE	GY	30	F	Y	W	II	+	L	N		1416	1553	30							20 II INC				50
15 B 3-12381	MATERIAL: AIR CELL PIPE INSULATION LOCATION: Rm 146																				NOT ANALYZED				
15 C 3-12382	MATERIAL: AIR CELL PIPE INSULATION LOCATION: Rm 146																				NOT ANALYZED				
16 A 3-12383	MATERIAL: 1'x1' PERFORATED WHITE/ CEILING TILE LOCATION: Rm 12	BR/WH	ND	F	Y																90 II INC				10

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16B / 372384	MATERIAL: 1'x1' PERFORATED WALL/CEILING TILE LOCATION: CONFERENCE Rm.	BR/WH	20	F	Y																90 II INC				10
16C / 372385	MATERIAL: 1'x1' PERFORATED WALL/CEILING TILE LOCATION: CONFERENCE Rm.	BR/WH	20	F	Y																90 II INC				10
17A / 372386	MATERIAL: GLUE DAUB ASSOC. W/ 1'x1' WALL/CEILING TILE LOCATION: Rm 12	BR	20	TR	Y																			10 TALC	90
17B / 372387	MATERIAL: GLUE DAUB ASSOC. W/ 1'x1' WALL/CEILING TILE LOCATION: CONFERENCE Rm.	BR	20	2P	Y																			10 TALC	90
17C / 372388	MATERIAL: GLUE DAUB ASSOC. W/ 1'x1' WALL/CEILING TILE LOCATION: CONFERENCE Rm.	BR	20	2P	Y																			10 TALC	90
18A / 372389	MATERIAL: 4" WALLBASE LOCATION: Rm 12	BR	20	2F	Y																				100

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

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18B / 392390	MATERIAL: 4" WALLBASE LOCATION: Rm 15	BR	20	NF	Y																				100
18C / 392391	MATERIAL: 4" WALLBASE LOCATION: Rm 5	BR	20	NF	Y																				100
19A / 392392	MATERIAL: 4" WALLBASE ADHESIVE LOCATION: Rm 12	BR	24	NF	Y																				100
19B / 392393	MATERIAL: 4" WALLBASE ADHESIVE LOCATION: Rm 15	BR	24	NF	Y																				100
19C / 392394	MATERIAL: 4" WALLBASE ADHESIVE LOCATION: Rm 5	BR	20	NF	Y																				100
20A / 392395	MATERIAL: 9"x9" TAN FLOOR TILE LOCATION: Rm 12	TN	10	NF	Y	W	II	+	L	N		1516	1553	10											90

Relinquished by: [signature] Date: 8/23/2013 Received by: [signature] Date: 8-23-13

Accept ___ Reject ___ Comments ___ Analyst's Signature [signature] Date(s) Analyzed: 8-26-13 Temp: 22.6c

Rev. 3/28/08

Covino Environmental Associates, Inc.
300 Wildwood Ave, Woburn, MA
Phone 781.933.2555 Fax 781.932.9402 Email: mail@covinoinc.com

Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr standard (5 day)
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extin	SignE	Bire	Pleo	Other	⊥	∥	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
21B / 372396	MATERIAL: 9"x9" TAN FLOOR TILE LOCATION: RM 10																				NOT ANALYZED				
20C / 372397	MATERIAL: 9"x9" TAN FLOOR TILE LOCATION: RM 6																				NOT ANALYZED				
21A / 372398	MATERIAL: 9"x9" TAN FLOOR TILE MASTIC LOCATION: RM 12	BK	2A	2F	Y																				100
21B / 372399	MATERIAL: 9"x9" TAN FLOOR TILE MASTIC LOCATION: RM 10	BK	2A	2F	Y																				100
21C / 372400	MATERIAL: 9"x9" TAN FLOOR TILE MASTIC LOCATION: RM 6	BK	2A	2F	Y																				100
22A / 372401	MATERIAL: 12"x12" WHITE FLOOR TILE LOCATION: CAFETERIA	WH	2A	2F	Y																				100

Relinquished by: Ken Roberts Date: 8/25/2013 Received by: _____ Date: 8-23-13

Accept___ Reject___ Comments_____ Analyst's Signature: _____ Date(s) Analyzed: 8-26-13 Temp: 22.5c

Rev. 3/28/08

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Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr (standard (5 day))
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DO NOT WRITE IN SHADED AREAS / DESCRIPTION	Stereoscopic Visual: Color	% Asb	Text	Homog	Optical Properties: Morph	Extn	Sign E	Bire	Pleo	Other	Fiber Ref. Ind. ⊥	Fiber Ref. Ind. ∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
22B / 392402	MATERIAL: 12"x12" WHITE FLOOR TILE LOCATION: CAFETERIA	WH	20	2F	Y																				100
22C / 392403	MATERIAL: 12"x12" WHITE FLOOR TILE LOCATION: CAFETERIA	TN	10	2F	Y	W	II	+	L	N		1%6	1%3	10											90
23A / 392404	MATERIAL: 12"x12" WHITE FLOOR TILE MASTIC LOCATION: CAFETERIA	YL	20	2F	Y																				100
23B / 392405	MATERIAL: 12"x12" WHITE FLOOR TILE MASTIC LOCATION: CAFETERIA	YL	20	2F	Y																				100
23C / 392406	MATERIAL: 12"x12" WHITE FLOOR TILE MASTIC LOCATION: CAFETERIA	BK	10	2F	Y																				100
24A / 392407	MATERIAL: 2'x2' FLAT CEILING TILE LOCATION: CAFETERIA	WH/GY	20	L	N															85					15

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

Accept ___ Reject ___ Comments ___ Analyst's Signature [signature] Date(s) Analyzed: 8-27-13 Temp: 22.5c

Rev. 3/28/08

300 Wildwood Ave, Woburn, MA
Phone 781.933.2555 Fax 781.932.9402 Email: mail@covinoinc.com

Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr standard (5 day)
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DO NOT WRITE IN SHADED AREAS — DESCRIPTION	Stereoscopic Visual: Color	% Asb	Text	Homog	Optical Properties: Morph	Extinct	Signe	Birefr	Pleo	Other	Fiber Ref. Ind.: ⊥	∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
24B / 392408	MATERIAL: 2'x2' Flat Ceiling Tile LOCATION: Cafeteria	GY/WH	ND	F	Y															85 130					15
24C / 392409	MATERIAL: 2'x2' Flat Ceiling Tile LOCATION: Rm 161	GY/WH	ND	F	Y															85 130					15
25A / 392410	MATERIAL: 2'x4' Tectum Accoustical Wall Panel LOCATION: Cafeteria	TN/WH	ND	L	N																80 II INC				20
25B / 392411	MATERIAL: 2'x4' Tectum Accoustical Wall Panel LOCATION: Cafeteria	TN/WH	ND	L	N																80 II INC				20
25C / 392412	MATERIAL: 2'x4' Tectum Accoustical Wall Panel LOCATION: S. Play Room	TN/WH	ND	L	N										–						80 II INC				20
26A / 392413	MATERIAL: Stage Curtain LOCATION: Cafeteria	RD	ND	F	Y								<								98 II INC				2

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

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Rev. 3/28/08

Covino Environmental Associates, Inc.
300 Wildwood Ave, Woburn, MA
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Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr standard (5 day)
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DESCRIPTION	Stereoscopic Visual: Color	%Asb	Text	Homog	Optical Properties: Morph	Bxfn	Signs	Birefr	Pleo	Other	Fiber Ref. Ind.: ⊥	||	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
26B / 392414	MATERIAL: STAGE CURTAIN LOCATION: CAFETERIA	RD	12 D	F	Y																98 II INC				2
27A / 392415	MATERIAL: WHITE SINK BASIN COATING LOCATION: TEACHERS' Rm	WH	ND	F	Y																		12 HIGH BI		88
27B / 392416	MATERIAL: WHITE SINK BASIN COATING LOCATION: TEACHER'S Rm.	WH	ND	F	Y																		12 HIGH BI		88
28A / 392417	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND LOCATION: HALL @ CONFERENCE Rm	TN	2	NF	Y	W	II	f	L	N		1546	1553	2											98
28B / 392418	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND LOCATION: HALL @ CONFERENCE Rm																				NOT	ANALYZED			-
28C / 392419	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND LOCATION: HALL @ CONFERENCE Rm																				NOT	ANALYZED			

Relinquished by: Ken Roberts Date: 8/25/2013 Received by: _____ Date: 8-23-13

Accept ___ Reject ___ Comments _____ Analyst's Signature _____ Date(s) Analyzed: 8-27-13 Temp: 23.5c

Rev. 3/28/08

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Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr (standard (5 day))
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extn	Signe	Bire	Pleo	Other	⊥	∥	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
29 A / 392420	MATERIAL: 9"x9" GREEN FLOOR TILE LOCATION: Rm 117	GN	1C	TF	Y	W	II	+	L	N		1546	1552	10											90
29 B / 392421	MATERIAL: 9"x9" GREEN FLOOR TILE LOCATION: Hall @ Rm 117																				NOT	ANALYZED			
30 A / 392422	MATERIAL: 9"x9" GREEN FLOOR TILE MASTIC LOCATION: Rm 117	BG	2A	TF	Y																				100
30 B / 392423	MATERIAL: 9"x9" GREEN FLOOR TILE MASTIC LOCATION: Hall @ Rm 117	BK	2A	TF	Y																				100
31 A / 392424	MATERIAL: GYPSUM WALLBOARD LOCATION: Rm 117	GY BR	2A	L	N																15 II INC				85
31 B / 392425	MATERIAL: GYPSUM WALLBOARD LOCATION: Hall @ Rm B	GY BR	2A	L	N																20 II INC				85

Relinquished by: [signature] Date: 8/20/2013 Received by: [signature] Date: 8-23-13

Accept ___ Reject ___ Comments ___ Analyst's Signature [signature] Date(s) Analyzed: 8-27-13 Temp: 23.5c

Rev. 3/28/08

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Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr (standard (5 day))
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DESCRIPTION	Stereoscopic Visual: Color	%Asb	Texture	Homog	Optical Properties: Morph	Extinction	Sign Elong	Birefringence	Pleochroism	Other	Fiber Ref. Ind. ⊥	Fiber Ref. Ind. ∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
31C / 372426	MATERIAL: Gypsum Wallboard LOCATION: Hall @ Rm 117	GY/BR	ND	L	N																12 + INC				88
32A / 372427	MATERIAL: Joint Compound Assoc. w/ Gypsum Wallboard LOCATION: Rm 117	TN	2	F	Y	W	II	+	L	N		1546	1553	2											98
32B / 372428	MATERIAL: Joint Compound Assoc. w/ Gypsum Wallboard LOCATION: Hall @ Rm 8																				NOT ANALYZED				
32C / 372429	MATERIAL: Joint Compound Assoc. w/ Gypsum Wallboard LOCATION: Hall @ Rm 117																				NOT ANALYZED				
33A / 372430	MATERIAL: 12" x 12" Gray Floor Tile LOCATION: OFFICE	GY	ND	NF	Y																				100
33B / 372431	MATERIAL: 12" x 12" Gray Floor Tile LOCATION: OFFICE	GY	ND	NF	Y																				100

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

Accept ___ Reject ___ Comments ___ Analyst's Signature [signature] Date(s) Analyzed: 8-27-13 Temp: 23.5c

Rev. 3/28.08

Covino Environmental Associates, Inc.
300 Wildwood Ave, Woburn, MA
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Asbestos Bulk Chain of Custody

Page ___ of ___

Covino Project No. 13.0248
Samples Collected by: KEN ROBERTS
License # RI CCC317
Date(s) Collected: 8/19 & 8/20/2013

Client: SCITUATE PUBLIC SCHOOLS
Project Name and Location: WAMPATUCK ELEMENTARY

Turnaround (circle) same day 24-hr standard (5 day)
Contact BRIAN POTTER
Phone
Fax
Email

Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extn	SignE	Bire	Pleo	Other	⊥	||	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
33C / 2424-32	MATERIAL: FLOOR TILE 12x12	GY	ND	2F	Y																				100
	LOCATION: OFFICE																								
	MATERIAL: KR 8/20/2013																								
	LOCATION:																								
	MATERIAL:																								
	LOCATION:																								
	MATERIAL:																								
	LOCATION:																								
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Relinquished by: Ken Roberts Date: 8/23/2013 Received by: _____ Date: 8-23-13

Accept___ Reject___ Comments_____ Analyst's Signature _____ Date(s) Analyzed: 8-27-13 Temp: 23.5C

Rev. 3/28/08

300 Wildwood Ave, Woburn, MA
Phone 781.933.2555 Fax 781.932.9402 Email: mail@covinoinc.com

Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr (standard (5 day))
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DESCRIPTION	Stereoscopic Visual: Color	% Asb	Text	Homog	Optical Properties: Morph	Extn	Sign E	Bire	Pleo	Other	Fiber Ref. Ind.: ⊥	∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
34A / 392433	MATERIAL: 12"x12" GRAY FLOOR TILE MASTIC LOCATION: OFFICE	BK	ND	NF	Y																				100
34B / 392434	MATERIAL: 12"x12" GRAY FLOOR TILE MASTIC LOCATION: OFFICE	BK	ND	NF	Y																				100
35A / 392435	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS LOCATION: Rm 16	BR/BL	ND	NF	Y																90 II INC				10
35B / 392436	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS LOCATION: Rm 16	BR/BL	ND	NF	Y																90 II INC				10
35C / 392437	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS LOCATION: Rm 16	BR/BL	ND	NF	Y																90 II INC				10
36A / 392438	MATERIAL: 1/4" COVERING ON BATHROOM DUCT LOCATION: Rm 16	WH	14	FI	Y	W	II	+	4N			1517	1553	CH						26 ISO					60

Relinquished by: Ken Roberts Date: 8/20/2013 Received by: _____ Date: 8-23-13

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Asbestos Bulk Chain of Custody

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Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
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Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr standard (5 day)
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DESCRIPTION	Stereoscopic Visual: Color	%Asb	Text	Homog	Optical Properties: Morph	Extin	Sign E	Bire	Pleo	Other	Fiber Ref. Ind.: ⊥	∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
36B / 392439	MATERIAL: 1/4" Covering on Bathroom Duct LOCATION: Rm 16																				NOT ANALYZED				
36C / 392440	MATERIAL: 1/4" Covering on Bathroom Duct LOCATION: Rm 16																				NOT ANALYZED				
37A / 392441	MATERIAL: 12"x12" Thin Marble Floor Tile LOCATION: Rm 161	TN	12	NF		W	II	+	L	N		1546	1653	12											88
37B / 392442	MATERIAL: 12"x12" Thin Marble Floor Tile LOCATION: Rm 161																				NOT ANALYZED				
37C / 392443	MATERIAL: 12"x12" Thin Marble Floor Tile LOCATION: Rm 161																				NOT ANALYZED				
38A / 392444	MATERIAL: 12"x12" Thin Marble Floor Tile Mastic LOCATION: Rm 161	BK	12	NF	Y	W	II	+	L	N		1547	1653	12											88

Relinquished by: Ken Roberts Date: 8/25/2013 Received by: _____ Date: 8-23-13

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Asbestos Bulk Chain of Custody

21 20

Covino Project No. 13.00298
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Date(s) Collected: 8/19 & 8/20/2013

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Scituate, MA 02066

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Scituate, MA

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Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DESCRIPTION	Stereoscopic Visual: Color	% Asb	Text	Homog	Optical Properties: Morph	Extin	Sign E	Birefr	Pleo	Other	Fiber Ref. Ind.: ⊥	∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
38B / 392448	MATERIAL: 12"x12" TAN MARBLE FLOOR TILE MASTIC LOCATION: Rm 161																				NOT ANALYZED				
38C / 392446	MATERIAL: 12"x12" TAN MARBLE FLOR TILE MASTIC LOCATION: Rm 161																				NOT ANALYZED				
39A / 392447	MATERIAL: CANVASS COVERING ON FIBERGLASS PIPE INSULATION LOCATION: Rm 161	TN	24	F	Y																100 II INC				
39B / 392448	MATERIAL: CANVASS COVERING ON FIBERGLASS PIPE INSULATION LOCATION: Rm 161	TN	20	F	Y																100 II INC				
39C / 392449	MATERIAL: CANVASS COVERING ON FIBERGLASS PIPE INSULATION LOCATION: Rm 17	TN/OR	20	F	Y																99 II INC				1
40A / 392450	MATERIAL: CEMENTIOUS FITTING ASSOC W/. CANVASS COVERED PIPE LOCATION: Rm 161	GY	14	F	Y	W	II	+	L	N		1546	1553	14						26 190					60

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Rev. 3/28/08

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Asbestos Bulk Chain of Custody

22 26

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr standard (5 day)
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Email: gpotter@covinoinc.com

Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extin	Sign E	Bire	Pleo	Other	⊥	||	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
40 B / 392451	MATERIAL: CEMENTIOUS FITTING ASSOC. W/ CANVASS COVERED PIPING LOCATION: Rm 161																				NOT	ANALYZED			
40 C / 392452	MATERIAL: CEMENTIOUS FITTING ASSOC. W/ CANVASS COVERED PIPING LOCATION: Rm 17																				NOT	ANALYZED			
40 D / 392453	MATERIAL: CEMENTIOUS FITTING ASSOC. W/ CANVASS COVERED PIPING LOCATION: Boys Rm (E)																				NOT	ANALYZED			
40 E / 392454	MATERIAL: CEMENTIOUS FITTING ASSOC. W/ CANVASS COVERED PIPING LOCATION: Girls' Rm (E)																				NOT	ANALYZED			
40 F / 392455	MATERIAL: CEMENTIOUS FITTING ASSOC. W/ CANVASS COVERED PIPING LOCATION: Rm 21																				NOT	ANALYZED			
40 G / 392456	MATERIAL: CEMENTIOUS FITTING ASSOC. W/ CANVASS COVERED PIPING LOCATION: Rm 18																				NOT	ANALYZED			

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

Accept ___ Reject ___ Comments ___ Analyst's Signature [signature] Date(s) Analyzed: 8-27-13 Temp: 23.5c

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Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extn	Sign E	Bire	Pleo	Other	⊥	∥	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
41 A / 392457	MATERIAL: Mosaic Sheet Flooring LOCATION: Rm 17	MULTI	20	L	N	W	II	+	L	N		1546	1553	20							15 w/ inc				65
41 B / 392458	MATERIAL: Mosaic Sheet Flooring LOCATION: Rm 17																				NOT	ANALYZED			
41 C / 392459	MATERIAL: Mosaic Sheet Flooring LOCATION: Rm 17																				NOT	ANALYZED			
42 A / 392460	MATERIAL: Mosaic Sheet Flooring Adhesive LOCATION: Rm 17	YL	ND	2%	Y																				100
42 B / 392461	MATERIAL: Mosaic Sheet Flooring Adhesive LOCATION: Rm 17	YL	ND	ND	Y																				100
42 C / 392462	MATERIAL: Mosaic Sheet Flooring Adhesive LOCATION: Rm 17	YL	ND	ND	Y																				100

Relinquished by: Ken Roberts **Date:** 8/25/2013 **Received by:** _____ **Date:** 8-23-13

Accept___ Reject___ Comments_____ **Analyst's Signature** _____ **Date(s) Analyzed:** 8-27-13 **Temp:** 23.5c

Rev. 3/28/08

Covino Environmental Associates, Inc.
300 Wildwood Ave, Woburn, MA
Phone 781.933.2555 Fax 781.932.9402 Email: mail@covinoinc.com

Asbestos Bulk Chain of Custody

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-h standard (5 day)
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extin	SignE	Bire	Pleo	Other	⊥	||	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
43 A / 392463	MATERIAL: COMPRESSED WALLBOARD PANELS LOCATION: RM 17	GY	ND	F	Y																98 II INC				2
43 B / 392464	MATERIAL: COMPRESSED WALLBOARD PANELS LOCATION: RM 17	GY/WH/PK	ND	L	N																90 II INC				10
43 C / 392465	MATERIAL: COMPRESSED WALLBOARD PANELS LOCATION: RM 17	GY/WH/PK	ND	L	N																90 II INC				10
44 A / 392466	MATERIAL: 2'x2' FISSURED CEILING TILE LOCATION: EAST WING BOY'S RM	GY/WH	ND	F	Y															35 150	50 II INC				15
44 B / 392467	MATERIAL: 2'x2' FISSURED CEILING TILE LOCATION: EAST WING GIRL'S RM	GY/WH	ND	F	Y															35 150	50 II INC				15
44 C / 392468	MATERIAL: 2'x2' FISSURED CEILING TILE LOCATION: EAST WING MEN'S RM	GY/WH	ND	F	Y															35 150	50 II INC				15

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

Accept ___ Reject ___ Comments ___ Analyst's Signature [signature] Date(s) Analyzed: 8-27-13 Temp: 23.5c

Rev. 3/28/08

300 Wildwood Ave, Woburn, MA
Phone 781.933.2555 Fax 781.932.9402 Email: mail@covinoinc.com

Asbestos Bulk Chain of Custody

23 24

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2013

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

Turnaround (circle) same day 24-hr standard (5 day)
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID / Field ID # / Lab ID #	DO NOT WRITE IN SHADED AREAS — DESCRIPTION	Stereoscopic Visual: Color	% Asb	Text	Homog	Optical Properties: Morph	Extn	Signe	Bire	Pleo	Other	Fiber Ref. Ind.: ⊥	∥	%Asbestos Fiber Present: CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	% Non Asbestos Present: Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
45 A / 392469	MATERIAL: BLACK SINK BASIN COATING LOCATION: RM 26	BK	6	NF	Y	W	II	+	L	N		1546	1553	5											95
45 B / 392470	MATERIAL: BLACK SINK BASIN COATING LOCATION: RM 25																					NOT	ANALYZED		
45 C / 392471	MATERIAL: BLACK SINK BASIN COATING LOCATION: RM 24																					NOT	ANALYZED		
46 A / 392472	MATERIAL: INTERIOR HALLWAY WINDOW GLAZING COMPOUND AT DOORWAYS LOCATION: HALL @ RM 24	TN	3	NF	Y	W	II	+	L	N		1547	1553	3											97
46 B / 392473	MATERIAL: INTERIOR HALLWAY WINDOW GLAZING COMPOUND AT DOORWAYS LOCATION: HALL @ RM 24																					NOT	ANALYZED		
46 C / 392474	MATERIAL: INTERIOR HALLWAY WINDOW GLAZING COMPOUND AT DOORWAYS LOCATION: HALL @ RM 21																					NOT	ANALYZED		

Relinquished by: [signature] Date: 8/25/2013 Received by: [signature] Date: 8-23-13

Accept ___ Reject ___ Comments ___ Analyst's Signature [signature] Date(s) Analyzed: 8-27-13 Temp: 23.5c

Rev. 3/28/08

300 Wildwood Ave, Woburn, MA
Phone 781.933.2555 Fax 781.932.9402 Email: mail@covinoinc.com

Asbestos Bulk Chain of Custody

STOP @ 1st POSITIVE

Covino Project No. 13.00298
Samples Collected by: Ken Roberts
License No: AI-000317
Date(s) Collected: 8/19 & 8/20/2015

Client: Scituate Public Schools
600 Chief Justice Cushing Highway
Scituate, MA 02066

Project Name and Location: Wampatuck Elementary, 266 Tilden Road
Scituate, MA

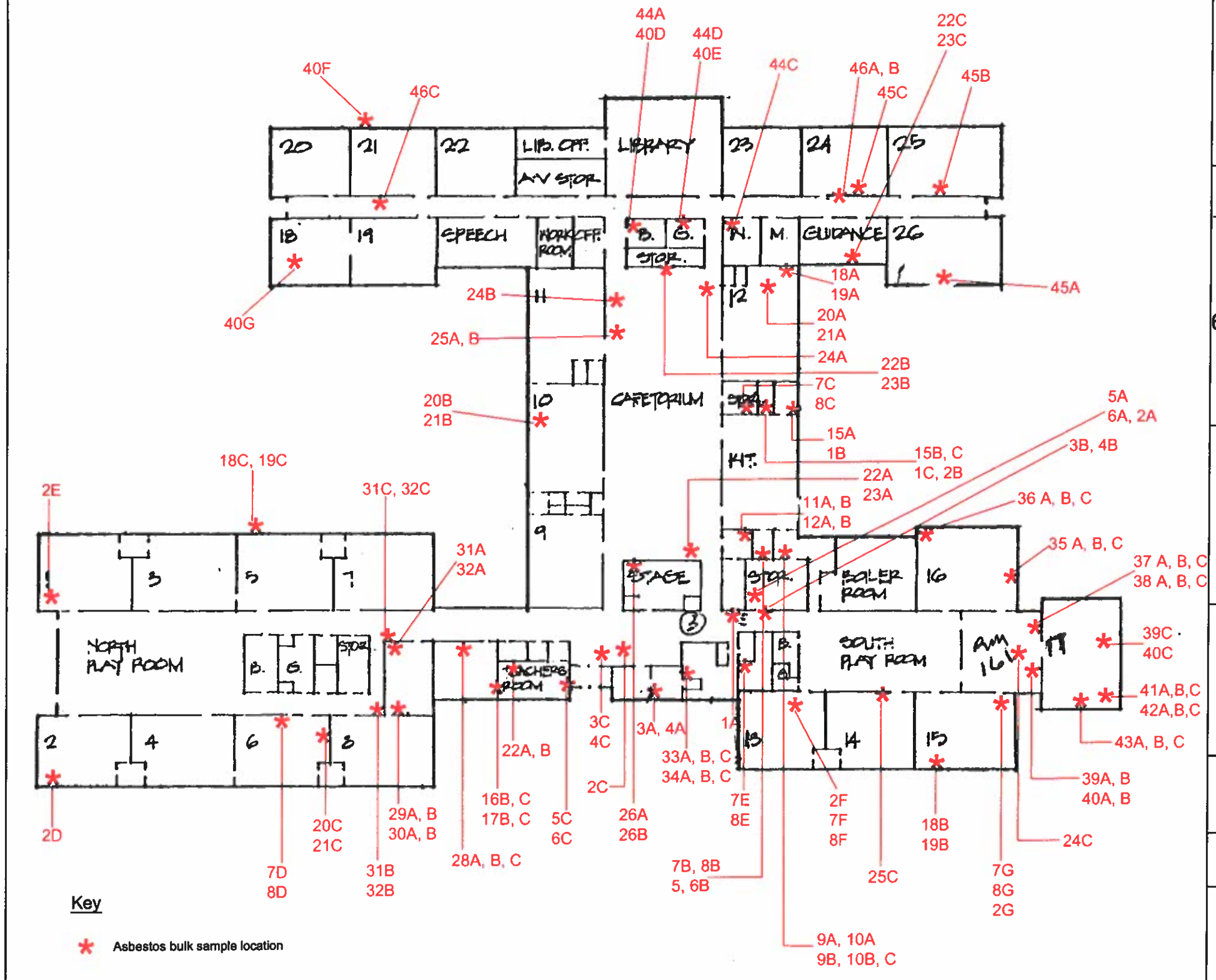
Turnaround (circle) same day 24-hr (standard (5 day))
Contact: Glenn Potter – 781.706.7317
Email: gpotter@covinoinc.com

Sample ID	DO NOT WRITE IN SHADED AREAS	Stereoscopic Visual				Optical Properties						Fiber Ref. Ind.		%Asbestos Fiber Present						% Non Asbestos Present					
Field ID # / Lab ID #	DESCRIPTION	Color	%Asb	Text	Homog	Morph	Extin	Signe	Bire	Pleo	Other	⊥	∥	CHRYS	AMOS	CROCI	TREMO	ANTHO	ACTIN	Fibrous Glass	Cellulose	Hair	Synthetic	Other	Non Fibrous
47A / 39475	MATERIAL: CEMENTIOUS TRANSOM WINDOW REPLACEMENT LOCATION: CAFETERIA	GY/BL	38	NF	Y	W	II	+	L	N		1547	1558	38											CZ
47B / 39476	MATERIAL: CEMENTIOUS TRANSOM WINDOW REPLACEMENT LOCATION: N. PLAY ROOM																				NOT	ANALYZED			
47C / 39477	MATERIAL: CEMENTIOUS TRANSOM WINDOW REPLACEMENT LOCATION: S. PLAY ROOM																				NOT	ANALYZED			
34C / 39478	MATERIAL: 12x12 FLOOR TILE MASTIC LOCATION: OFFICE	BK	ND	NF	Y																				COO
	MATERIAL: KR 8/30/2013 LOCATION:																								
	MATERIAL: LOCATION:																								

Relinquished by: Ken Roberts Date: 8/25/2013 Received by: _____ Date: 8-23-13

Accept ___ Reject ___ Comments _____ Analyst's Signature _____ Date(s) Analyzed: 8-27-13 Temp: 23.5C

Rev. 3/28/08



COVINO ENVIRONMENTAL ASSOCIATES INC

300 Wildwood Avenue
Woburn, MA 01801
Tel: 781.933.2555
Fax 781.932.9402
email: mail@covinoinc.com

Covino Project 13.00298

Client:
Scituate Public Schools
606 Chief Justice Cushing Highway
Scituate, Massachusetts

Site:
Wampatuck Elementary School
266 Tilden Road
Scituate, Massachusetts

Approximate Asbestos Bulk Sample Locations

August 19-20, 2013

NOT TO SCALE

Date: 10.25.13 | Edited by: ALM

APPENDIX F

PERSONNEL CERTIFICATIONS

THE VERTEX COMPANIES, INC.

ACCREDITATION PAGE

Accredited Inspector

Name: Jason Mohre

Accreditation Number: AI000262

Signature: _____

Date: 5/11/2021

Accredited Management Planner

Name: Jason Mohre

Accreditation Number: AP000080

Signature: _____

Date: 5/11/21

APPENDIX G

SUPPLEMENTAL FORMS

CONTACT INFORMATION

Local Education Agency and School Information

Local Education Agency: Scituate Public Schools	Telephone Number: 781-545-8749
Address: 606 Chief Justice Cushing Hwy Scituate, MA	
Name of School: Wampatuck Elementary School	Telephone Number: 781-545-8790
Address: 266 Tilden Road Scituate, MA	County: Plymouth County

Designated Person Information

Name of Designated Person: Robert Dillon	Telephone Number: 781-545-8749
Address: 606 Chief Justice Cushing Hwy Scituate, MA	

Course Name:	Training Agency:	Date:	Hours of Training:

Management Planner(s) The following management planner(s) has developed/contributed to this plan and is accredited under the state accreditation program or another state's accreditation program or an EPA-approved course.

Name: Jason Mohre	Telephone Number: 781-952-6000
Firm: The Vertex Companies, Inc.	
Address: 400 Libbey Parkway, Weymouth, Massachusetts 02189	
State of Accreditation/Accreditation Number: MA/AP00080	

Course Name: Asbestos Management Planner	Date: 1/28/10	Training Agency: Institute for Environmental Education
		Telephone Number: 800-823-6239

SCHOOL BUILDING LIST

Name of Building	Address	Construction Date(s)	Friable ACBM*	Non-Friable ACBM	Friable and Non-Friable Suspected ACBM Assumed to be ACM**	No ACBM
Wampatuck Elementary School	266 Tilden Road	1960	X	X	X	
Cushing Elementary School	One Aberdeen Drive	1963	X	X	X	
Hatherly Elementary School	72 Ann Vinal Road	1963	X	X	X	
Scituate High School	606 Chief Justice Cushing Highway	1967	X	X		
Jenkins Elementary School	49 Vinal Road	2003				x
Gates Middle School	606 Chief Justice Cushing Highway	2019	X	X		

*ACBM -Asbestos-Containing Building Material
**ACM -Asbestos-Containing Material

DATE: _____May 7, 2021

DESIGNATED PERSON ASSURANCES

In accordance with 40 CFR ' 763.93(i) of the Environmental Protection Agency Asbestos-Containing Material in Schools regulation, the undersigned Local Education Agency (LEA) Designated Person (DP) hereby certifies that the following general responsibilities of the LEA under 40 CFR ' 763.84 have been or will be met:

1.Ensure that the activities of any persons who perform inspections, reinspections, and periodic surveillance, develop and update management plans, and develop and implement response actions, including operations and maintenance, are carried out in accordance with Part 763, Subpart E.

2. Ensure that all custodial and maintenance employees are properly trained as required by Part 763, Subpart E and other applicable Federal and/or State regulations (e.g., the Occupational Safety and Health Administration asbestos standard for construction, the EPA worker protection rule, or applicable State regulations).

3. Ensure that workers and building occupants, or their legal guardians, are informed at least once each school year about inspections, response actions, and post-response action activities, including periodic reinspection and surveillance activities that are planned or in progress.

4. Ensure that short-term workers (e.g., telephone repair workers, utility workers, or exterminators) who may come in contact with asbestos in a school are provided information regarding the locations for Asbestos-Containing Building Materials (ACBM) and suspected ACBM assumed to be Asbestos-Containing Materials (ACM).

5. Ensure that warning labels are posted in accordance with ' 40 CFR 763.95.

6. Ensure that management plans are available for inspection and notification of such availability has been provided as specified in the management plan under ' 40 CFR 763.93(g).

7. Designate a person to ensure that requirements under ' 763.84 are properly implemented and ensure that the designated person receives adequate training to perform duties assigned under ' 763.84. Such training shall provide, as necessary, basic knowledge of: health effects of asbestos; detection, identification, and assessment of ACM; options for controlling ACBM; asbestos management programs; relevant Federal and State regulations concerning asbestos, including those in Part 763, Subpart E and those of the Occupational Safety and Health Administration, U.S. Department of Transportation and the U.S. Environmental Protection Agency.

8. Consider whether any conflict of interest may arise from the inter-relationship among accredited personnel and whether that should influence the selection of accredited personnel to perform activities under Part 763, Subpart E.

Name of Designated Person:

Designated Person's Signature: **Date:**

EVALUATION OF RESOURCES **DATE: 5/7/2021**

1. **Estimated Resources to Complete the Response Actions $ 1,400.00**
2. **Estimated Resources to Conduct Re-Inspection $ 1,800.00**
3. **Estimated Resources to Complete Operations and Maintenance Activities $ 500.00**
4. **Estimated Resources to Conduct 6-Month Periodic Surveillance $ 400.00**
5. **Estimated Resources to Conduct Training for Custodial Staff**
   a. **LEA-Designated Person Training $ 250.00**
   b. **16-Hour Operations and Maintenance Training (per Worker) $ 295.00**
   c. **2-Hour Awareness Training (per Worker) $ 75.00**

PLAN FOR OPERATIONS AND MAINTENANCE ACTIVITIES

LEA Name: Scituate Public Schools

School Name: Wampatuck Elementary School

Attach or outline the plan here:

OSHA® FactSheet

Protecting Workers from the Hazards of Asbestos-Containing Flooring Material Maintenance

Many resilient flooring tiles contain asbestos, a mineral fiber used in numerous building materials before its dangerous health effects were discovered. A hazard exists for workers who buff or wax flooring material containing asbestos. Any floor tiles installed prior to 1980 should be presumed to contain asbestos — unless confirmed to be asbestos-free by a laboratory — and the proper protective actions should be taken. The Occupational Safety and Health Administration (OSHA) has regulations to protect workers from asbestos.

What is the hazard?

The equipment used during the care or maintenance of asbestos-containing flooring tiles has an abrasive pad which runs at high speeds, and can release tiny asbestos fibers into the air.

The airborne fibers can then be inhaled by workers without knowing it, and become trapped in their lungs.

Asbestos is a known human carcinogen and can cause chronic lung disease as well as lung and other cancers.

How do I know if there is a hazard?

Airborne asbestos fibers are very small and cannot be seen by the naked eye.

Flooring materials installed prior to 1980 should be presumed to contain asbestos and should be treated as such, unless a piece of the material is sent to a reputable laboratory and analyzed for asbestos by transmission electron microscopy and found to contain a concentration of less than 1.0%.

What should be done to protect workers?

Workers caring for asbestos-containing flooring material (general industry) are protected by OSHA's Asbestos standard, 29 Code of Federal Regulations (CFR) Part 1910.1001. OSHA has separate asbestos standards for the construction and shipyard industries due to differing working conditions and asbestos exposures.

Training elements of OSHA's Asbestos Standard

Initial and annual training must be provided in a manner and language that workers can understand. The training must include: health effects of asbestos; locations of asbestos-containing and presumed asbestos-containing materials; recognition of damage and deterioration of asbestos-containing materials; and the proper response to fiber release episodes. The following elements should be included in this training:

Care of Asbestos-Containing Flooring Materials

- Do not sand asbestos-containing flooring material;
- Use only low-abrasion buffing pads;
- Operate buffers only at speeds lower than 300 rpm;
- Use wet methods;
- If asbestos-containing flooring material has sufficient finish, brushing or dry buffing is permissible.

If these methods are properly implemented, personal protective equipment (PPE) should not be necessary.

Recordkeeping

A record of training and worker notification is necessary. If applicable, any exposure monitoring records and medical monitoring records must also be kept.

OPERATIONS AND MAINTENANCE ACTIVITIES

LEA Name: Scituate Public Schools

School Name: Wampatuck Elementary School

Building Assessed/Address: _____.

Room/Functional Space: _____.

Provide the description of the activity, including preventative measures used, and the location where the activity occurred for those operation and maintenance activities specified under 40 CFR 763.91(d) and under 40 CFR 763.94(g), for any major asbestos activity conducted under
40CFR763.91(e):_____
_____
_____
_____
_____.

Provide the start and completion dates of the activity:_____.

Provide the name of each person performing the activity and for a major asbestos activity, provide the name, signature, state of accreditation and, if applicable, the accreditation number of each person performing the activity:
_____
_____
_____
_____
_____.

If ACBM is removed, provide the name and location of the storage or disposal site of the ACM:

_____
_____.

CLEANING RECORD

LEA Name: Scituate Public Schools

School Name: Wampatuck Elementary School

Cleaning: (check one) [ ] Cleaning after initial inspection [ ] Additional cleaning approved by LEA under O&M Plan.

Date of Cleaning:_____.

Location of Cleaning:_____.

Cleaning Methods Used :_____.

Provide the name of each person performing the cleaning

_____

_____.

MAJOR/MINOR FIBER RELEASE EPISODE

LEA Name: Scituate Public Schools

School Name: Wampatuck Elementary School

Type of Episode: (check one) [ ] Major Fiber Release [ ] Minor Fiber release.

Date of episode: _____.

Provide the description of the fiber release episode, including the location, type of ACBM, method of repair, and preventative measure or response action taken:

_____
_____
_____
_____
_____.

Provide the names of each person performing the work:

_____
_____
_____.

If ACBM is removed, provide the name and location of the storage or disposal site of the ACM_____
_____
_____.

PERIODIC SURVEILLANCE

AHERA Six-Month Surveillance Inspection Date:_____

(Print Name):_____

Signature:_____

Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor								
Room 1 (101)	9" x 9" Tan Floor Tile	890 ft^2	MD (2 ft^2)					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					
Room 2 (105)	9" x 9" Tan Floor Tile	890 ft^2	MD (4 ft^2)					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					
105B	9" x 9" Brown Floor Tile	48 ft^2	MD (4 ft^2)					
Room 3 (102)	9" x 9" Tan Floor Tile	890 ft^2	G					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					
102B	9" x 9" Brown Floor Tile	48 ft^2	MD (4 ft^2)					
Room 4 (106)	9" x 9" Tan Floor Tile	890 ft^2	G					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					

AHERA Six-Month Surveillance Inspection Date:_____

(Print Name):_____

Signature:_____

Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor (Continued)								
Room 5 (103)	9" x 9" Tan Floor Tile	890 ft^2	MD (24 ft^2)					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					
103B	9" x 9" Brown Floor Tile	48 ft^2	MD (4 ft^2)					
Room 6 (107)	9" x 9" Tan Floor Tile	890 ft^2	G					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					
107B	9" x 9" Brown Floor Tile	48 ft^2	MD (6 ft^2)					
Room 7 (104)	9" x 9" Tan Floor Tile	890 ft^2	G					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					
Room 8 (108)	9" x 9" Tan Floor Tile	890 ft^2	G					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
	Cementitious Panel Above Door	6 ft^2	G					
North Boys Room (110)	Interior Window Glazing	12 lf	G					
North Girls Room (113)	Interior Window Glazing	12 lf	G					
North Storage (115)	9" x 9" Brown Floor Tile	120 ft^2	G					
116	9" x 9" Brown Floor Tile	264 ft^2	G					

AHERA Six-Month Surveillance Inspection Date:_____

(Print Name):_____

Signature:_____

Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor (Continued)								
114	9" x 9" Brown Floor Tile	72 ft^2	G					
112	9" x 9" Brown Floor Tile	20 ft^2	G					
111	9" x 9" Brown Floor Tile	20 ft^2	G					
North Hallway	9" x 9" Green Floor Tile	476 ft^2	G					
	Drywall/Joint Compound	720 ft^2	G					
Room 117	9" x 9" Green Floor Tile	500 ft^2	G					
	Drywall/Joint Compound	720 ft^2	G					
Room 9 (133)	9" x 9" Tan Floor Tile	900 ft^2	MD (6 ft^2)					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
138	9" x 9" Brown Floor Tile	40 ft^2	G					
Room 10	9" x 9" Tan Floor Tile	900 ft^2	MD (28 ft^2)					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
137	9" x 9" Brown Floor Tile	40 ft^2	G					
Room 11	9" x 9" Tan Floor Tile	900 ft^2	MD (4 ft^2)					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
Room 12 (143)	9" x 9" Tan Floor Tile	900 ft^2	G					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					

AHERA Six-Month Surveillance Inspection Date:_____
(Print Name):_____

Signature:_____

Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor (Continued)								
146	9" x 9" Brown Floor Tile	168 ft^2	G					
Kitchen	Corkboard and Adhesive	70 ft^2	C					
Kitchen Office	Pipe Insulation	30 lf	G					
	Pipe Fitting Insulation	3 Units	MD (3)					
Cafetorium	12" x 12" White Floor Tile	3000 ft^2	G					
	Black Floor Tile Mastic	3000 ft^2	C					
	Cementitious Panel Above Doors	42 ft^2	G					
Room 13 (165)	12" White Blue Spec Floor Tile	900 ft^2	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	C					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
Room 14 (164)	12" White Blue Spec Floor Tile	900 ft^2	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	C					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
Room 15 (163)	12" White Blue Spec Floor Tile	900 ft^2	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	C					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					
Room 16	12" White Blue Spec Floor Tile	900 ft^2	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft^2	C					
	Pipe Insulation (Assumed Above Ceiling)	lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Chalkboard	88 ft^2	G					

AHERA Six-Month Surveillance Inspection Date:_____

(Print Name):_____

Signature:_____

Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor (Continued)								
Room 16.1	12" White Blue Spec Floor Tile	64 ft^2	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	64 ft^2	C					
	Pipe Insulation	20 lf	G					
	Pipe Fitting Insulation	3 Units	G					
Room 17 (162)	Mosaic Pattern Sheet Flooring	1156 ft^2	G					
South Play Room	9" x 9" Brown Floor Tile (Under Carpet)	1600 ft^2	C					
Nurses Area (129)	9" x 9" Brown Floor Tile	432 ft^2	MD (2 ft^2)					
Office Area	12" White Blue Spec Floor Tile	140 ft^2	G					
	9" x 9" Brown Floor Tile (Assumed Under 12" Tile)	140 ft^2	C					
127A-Closet	9" x 9" Brown Floor Tile	24 ft^2	G					
Principal (126)	9" x 9" Brown Floor Tile (Assumed Under Carpet)	154 ft^2	C					
Teachers Room (121)	9" x 9" Brown Floor Tile	648 ft^2	MD (4 ft^2)					
Conference Room (119)	9" x 9" Brown Floor Tile	572 ft^2	MD (2 ft^2)					
	Interior Window Glazing	120 lf	G					
Receiving Storage Room (153)	9" x 9" Brown Floor Tile	112 ft^2	G					
	Pipe Insulation	10 lf	G					
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	900 ft^2	MD (30 ft^2)					
	Black Floor Tile Mastic	900 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					
Room 19 (202)	12" x 12" Marble/Tan Floor Tile	900 ft^2	G					
	Black Floor Tile Mastic	900 ft^2	G					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					

AHERA Six-Month Surveillance Inspection Date:_____

(Print Name):_____

Signature:_____

Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor (Continued)								
Room 20 (201)	12" x 12" Marble/Tan Floor Tile	900 ft^2	G					
	Black Floor Tile Mastic	900 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					
Room 21 (203)	12" x 12" Marble/Tan Floor Tile	900 ft^2	G					
	Black Floor Tile Mastic	900 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					
Room 22 (205)	12" x 12" Marble/Tan Floor Tile	900 ft^2	G					
	Black Floor Tile Mastic	900 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					
Speech	12" x 12" Off-White Gray Spec Floor Tile	616 ft^2	G					
	Black Floor Tile Mastic	616 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
AV Storage	12" x 12" Marble/Tan Floor Tile	176 ft^2	G					
	Black Floor Tile Mastic	176 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
Library Office	12" x 12" Marble/Tan Floor Tile	121 ft^2	G					
	Black Floor Tile Mastic	121 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					
Work Room	12" x 12" Marble/Tan Floor Tile	154 ft^2	G					
	Black Floor Tile Mastic	154 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						

AHERA Six-Month Surveillance Inspection Date:_____

(Print Name):_____

Signature:_____

Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor (Continued)								
220-Custodial	12" x 12" Marble/Tan Floor Tile	108 ft^2	MD (6 ft^2)					
	Black Floor Tile Mastic	108 ft^2	C					
	Pipe Fitting Insulation	4 Units	G					
Room 23 (213)	12" x 12" Marble/Tan Floor Tile	900 ft^2	G					
	Black Floor Tile Mastic	900 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					
Room 24 (215)	12" x 12" Marble/Tan Floor Tile	900 ft^2	G					
	Black Floor Tile Mastic	900 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	1 Unit	G					
222	12" x 12" Off-White Gray Spec Floor Tile	280 ft^2	G					
	Black Floor Tile Mastic	280 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
224	12" x 12" Off-White Gray Spec Floor Tile	196 ft^2	G					
	Black Floor Tile Mastic	196 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
Room 25	12" x 12" Marble/Tan Floor Tile	1204 ft^2	MD (3 ft^2)					
	Black Floor Tile Mastic	1204 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	2 Units	G					
Room 25-26 Hall	12" x 12" Marble/Tan Floor Tile	40 ft^2	G					
	Black Floor Tile Mastic	40 ft^2	C					
Room 26	12" x 12" Marble/Tan Floor Tile	1204 ft^2	MD (3 ft^2)					
	Black Floor Tile Mastic	1204 ft^2	C					
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units						
	Black Sink Mastic	2 Units	G					

Notes:

ft^2 = Square Foot	Cond. = Condition	U = Unknown	NA = Not Accessible
lf = Linear Foot	G = Good	C = Covered	
Unit = Each	MD = Minor Damage		
	D = Damaged		

TRAINING RECORDS

4/21/21

VERTEX®

Two-Hour Asbestos Awareness Training Attendance Sheet

Instructor: Jason Mohre (The VERTEX Companies, Inc.)

Printed Name	Date	Time In	Time Out	Signature
DAVE RAPHEL	4/21	9:00	11:00	
Jaime Oliver	4/21	9:00	1:00	
Justin Whyte	4/21	9:00	11:00	
Sandy Mancell	4/21	9:00	11:00	
Dominic Sacchitella	4/21	8:52	11:00	
Edward Brew	4/21	8:52	11:00	
C Sacchitella	4/21	853	11-	
Tony Schiavo	4/21	9:00	11-	
Robert Dillon	4/21	900	11:00	
Brian Reid	4/21	9:00	11-	
BEARCE	4-21	900	11a	
T Whitlock	4-21	9:00	11:00	
McCarthy K.	4/21	9:00	11:00	
GERALD DUFFY	4/21	9:00	11:00	

4/21/21

VERTEX®

Two-Hour Asbestos Awareness Training Attendance Sheet

Instructor: Jason Mohre (The VERTEX Companies, Inc.)

Printed Name	Date	Time In	Time Out	Signature
Corrie Bartlett	4/21	12:00	2	Corrie Bartlett
JANE Rykens	"	"	2	Can Be
Steve Bianchi	"	"	2	Steve Bianchi
William Cannon	"	"	2	
Joseph Connelly	"	"	out	
Bob Stafford	4/21	12:00	2:00	Bob Stafford
Alton Gabriel dos Santos	4/21	12:00	2:00	Alton Gabriel dos Santos
Trevor Tubridy	4/21	12:00	2:00	
Fledison dos Santos	4-21	12:00	2:00	F.
Donna Street	4.21	12:00	2:00	D. Street

PLAN TO INFORM

Under 40 CFR ' 763.93(g)(4), at least once each school year, the LEA must notify in writing parent, teacher, and employee organizations of the availability of the Asbestos Management Plan (AMP) and must include in the AMP, a description of the steps taken to notify such organizations, and a dated copy of the notification. In the absence of any such organizations for parents, teachers, or employees, the LEA must provide written notice to that relevant group of the availability of the AMP and must include in the AMP a description of the steps taken to notify such groups, and a dated copy of the notification.

Under 40 CFR ' 763.93(e)(10), the AMP must include a description of the steps taken to inform workers and building occupants, or their legal guardians, about inspections, re-inspections, response actions, and post-response action activities, including periodic reinspection and surveillance activities that are planned or in progress. Under 40 CFR ' 763.84(c), the LEA must inform them about these activities at least once each school year.

Tips for Superintendents –
Sample Annual Written Notification

SAMPLE: Schools may adapt or expand this sample template in order to comply with minimum requirements to provide annual notification to staff and guardians. Keep a dated copy in each school's Management Plan. For more assistance with AHERA compliance, visit www.mass.gov/dols/ahera

INSERT YOUR LETTERHEAD

ANNUAL ASBESTOS NOTIFICATION LETTER

For School Year 2013-2014

Date: September 20##

Dear Staff, Guardians and Students:

A copy of our district's Asbestos Management Plan is available in each school and at the main administrative office during regular school hours.

The district continues to update and improve the AHERA Asbestos Management Plans. Any inquiries regarding the management of asbestos–containing materials in our schools should be directed to our district's AHERA Designated Person, __ (name) __ who can be reached at ___ (work location) __, and ___(email)_____ and ___ (phone)_____.

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Guidance for Superintendents – Sample Template for Notification to Contractors and Short-Term Workers about Asbestos

Background:

Schools must notify contractors and short-term workers who perform work in the building about the presence of asbestos-containing materials in the vicinity of their work area. The intent is twofold: 1) material should not be accidentally disturbed which could result in occupant exposure or building contamination; and 2) if work will disturb the material, the contractor must use trained, licensed workers and use work practices to prevent occupant exposure and building contamination.

The school may decide the most efficient and effective method for notification. Some schools elect to notify contractors when contracts are awarded. Some schools use a "log-in book" to confirm that all employees of the contractor visiting the school on that particular day are notified about the presence of asbestos-containing materials in the building.

Contractors include electricians, plumbing and heating, HVAC, flooring, and Information Technology. For example, before an IT vendor installs wiring above a suspended ceiling, the school's Asbestos Management Plan should be referenced to determine if the ceiling tiles contain asbestos, and determine if there is spray-on insulation or textured plaster above the ceiling which contain asbestos. Dust control work practices, and worker asbestos training, must be used if asbestos-containing materials will be disturbed. At the completion of work, the area may require O&M cleaning with wet methods or HEPA vacuums.

INSERT YOUR LETTERHEAD

NOTICE TO CONTRACTORS

This notice must be signed by all contractors and vendors conducting work in the schools. The original copy will be maintained in the school office. Each contractor must sign into the school Visitor's Log and complete a copy of this Notice.

To: All contractors who perform work in the ___XX_____ School
Date: September 2013
From: _____
RE: **Presence of Asbestos-Containing-Materials in the XX School**

Your work in the _____ School may disturb Asbestos-Containing Materials.

Locations of Asbestos-Containing Materials:
A diagram of known and presumed asbestos-containing materials is attached to this notice.
Materials include: *(list materials in your school)*

Ceiling tiles
Floor tiles – all 9x9 and12x12 tile
Boiler insulation
Pipe elbow insulation
Spray-on textured ceiling

Disturbing Asbestos-Containing Materials and Presumed Asbestos-Containing Materials:

- If you suspect a material may contain asbestos, contact the district Designated Person, ___ (name) ___ at 617-###-#### before disturbing it.
- Personnel must be trained and authorized to disturb asbestos-containing materials.
- Personnel must follow Operations and Maintenance procedures to ensure that school occupants are not exposed to asbestos dust, and ensure that asbestos dust does not contaminate building areas. A licensed Asbestos Contractor is required when more than 3 square feet or 3 linear feet is disturbed.

Labels are located on asbestos-containing materials located in non-public mechanical areas. The lack of a label does not demonstrate that the material does not contain asbestos.

Please sign below and return this document to the school receptionist as agreement that you have been notified of the presence of asbestos-containing materials, and your acceptance that you will not disturb suspect asbestos-containing materials.

Printed name: _____ Signature:_____

Company: _____ Date: _____