APPENDIX A

Report by ATC Environmental Consultant

Note: The ATC report contains additional information not relevant to this bid. Reports regarding emergency fire escapes is not relevant to this project being bid.

ENVIRONMENTAL - GEOTECHNICAL
BUILDING SCIENCES - MATERIALS TESTING

73 William Franks Drive
West Springfield, MA 01089
Telephone 413-781-0070
Fax 413-781-3734
www.atcgroupservices.com

August 31, 2018

Mr. John Cloonan
Facilities Director
Town of Longmeadow
Department of Public Works
31 Pond Street
Longmeadow, MA 01106

Re: Community Building, 735 Longmeadow Street, Longmeadow MA
Asbestos & Lead Paint Testing

Longmeadow Town Hall, Longmeadow, MA
Lead Paint Testing

Dear Mr. Cloonan:

Per your request, ATC Group Services LLC (ATC) performed a limited asbestos inspection of the EPDM Rubber Roof in front of the Community Building and lead paint testing of the fire escapes located at 735 Longmeadow Street, Longmeadow, MA. Lead paint testing was also performed on the fire escape at the Longmeadow Town Hall.

ASBESTOS TESTING

Mr. Edward Kolodziej conducted the asbestos roof inspection on August 24, 2018. Mr. Kolodziej is an accredited U.S. Environmental Protection Agency (EPA) and State of Massachusetts licensed asbestos inspector.

The following suspect asbestos-containing materials were sampled and analysis indicated **No Asbestos Detected** for all samples:

- Adhesive on Rubber Roof
- Paper on Insulation
- Adhesive on Rubber Roof - Flashing

All samples were analyzed via Polarized Light Microscopy (PLM). See attached lab analysis sheets for verification of results.

LEAD-BASED PAINT (LBP) TESTING

ATC performed limited lead paint testing of the fire escapes at the Community Building and the Longmeadow Town Hall. Outlined below is a description of ATC's testing methodology:

Pre-screening was performed utilizing an X-Ray Fluorescence Analyzer (XRF). All personnel who operate the portable XRF analyzer are trained by the manufacturer in safety measures and testing protocols. The instrument was calibrated prior to testing according to manufacturers and Massachusetts Department of Public Health (DPH) procedures. In accordance with the Occupational Safety and Health

Administration (OSHA) 29 CFR 1926.62 Regulations, an XRF can determine the presence of lead, however, not the absence of lead.

XRF measurements greater than or equal to one milligram per square centime (≥ 1.0 mg/cm^2) are considered to be covered with lead-based paint according to EPA and MA DPH definitions.

The following table summarizes the lead-based paint testing on the fire escapes.

Lead Paint Testing Table Community Building & Longmeadow Town Hall			
Building	**Component**	**XRF Measurement**	**Comments**
Community Building	Fire Escape – Stringer	1.8	
Community Building	Fire Escape – Support	3.2	
Community Building	Fire Escape – Balustrade Trim	0.9	
Community Building	Fire Escape – Rail	1.4	
Community Building	Fire Escape – Plate	1.5	
Community Building	Fire Escape – Baseboard	1.1	
Community Building	Fire Escape (Small) – Stringer	2.5	
Community Building	Fire Escape (Small) – Baseboard	1.4	
Community Building	Fire Escape (Small) – Rail	2.9	
Community Building	Fire Escape (Small) – Balustrade Trim	1.3	
Community Building	Fire Escape (Small) – Plate, Front	0.4	
Community Building	Fire Escape (Small) – Plate, Rear	1.4	Underside
Town Hall	Fire Escape – Rail	1.2	
Town Hall	Fire Escape – Post	5.0	
Town Hall	Fire Escape – Baseboard	3.7	
Town Hall	Fire Escape – Stringer	2.7	
Town Hall	Fire Escape – Plate	0.2	
Town Hall	Fire Escape - Plate, Rear	2.8	Underside

Conclusion & Recommendations

Any suspect asbestos-containing material discovered during the course of renovation/demolition which is not included in this report shall be assumed to be asbestos-containing until further bulk sampling and analysis is performed.

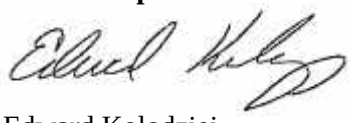
All demolition work, which disturbs lead-containing materials, will be subject to OSHA 29 CFR 1926.62 “Lead in Construction Regulations”. Under OSHA, the employer is responsible for protection of their employees when performing renovation and/or demolition work which disturbs lead materials.

Compliance shall include written programs, medical monitoring, exposure assessment testing and engineering controls.
To comply with OSHA's Hazard Communication Standard, (29 CFR 1910.1200) workers shall be notified of the presence of lead or asbestos in building materials and trained on proper handling methods. This shall include, but not be limited to:

- wearing work clothes and gloves
- washing hands prior to eating
- not smoking or eating within the work area
- employing methods that minimize the generation of dust when disturbing materials to the extent practicable.

If you have questions or comments regarding the information in this report or if we can be of further assistance please do not hesitate to contact us at our West Springfield, MA Office at 413-781-0070.

Sincerely,
ATC Group Services LLC



Edward Kolodziej
Senior Project Manager
MA Asbestos Inspector #AI073072

Brian Williams
Branch Manager

PHOTOGRAPHS

Figure 1- Community Bldg. Roof, Field

Figure 2- Community Bldg. Roof, Flashing

Figure 3 - Community Bldg. Fire Escape

Figure 4- Community Bldg. Fire Escape

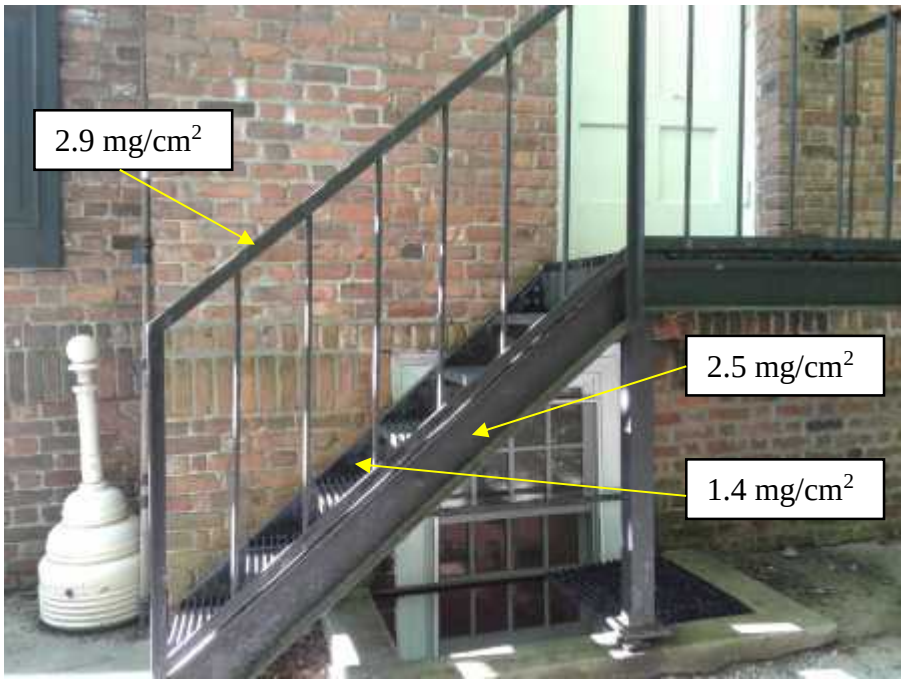


Figure 5 - Community Bldg. Small Fire Escape

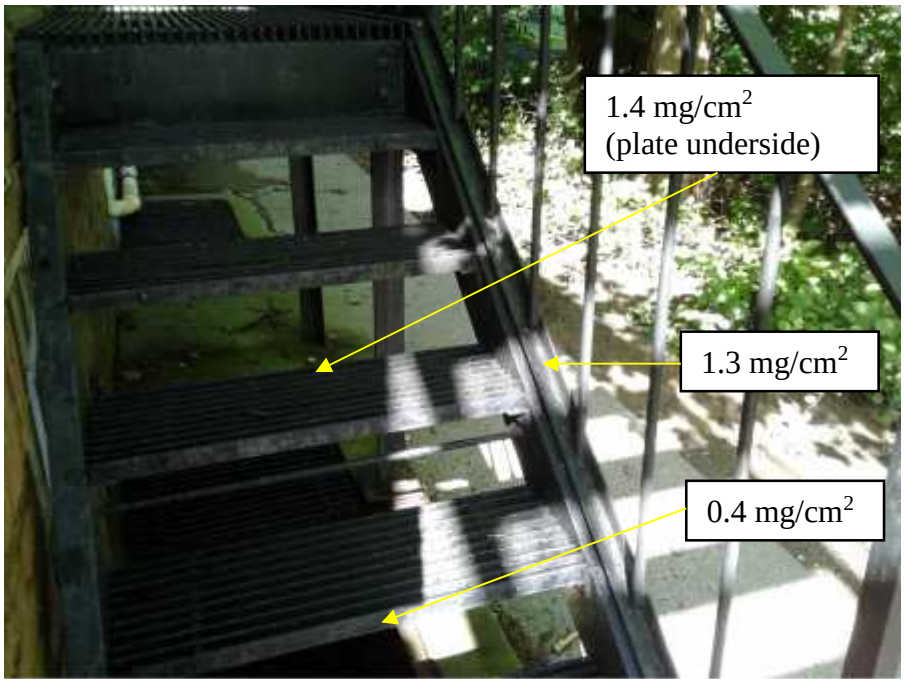


Figure 6 - Community Bldg. Small Fire Escape

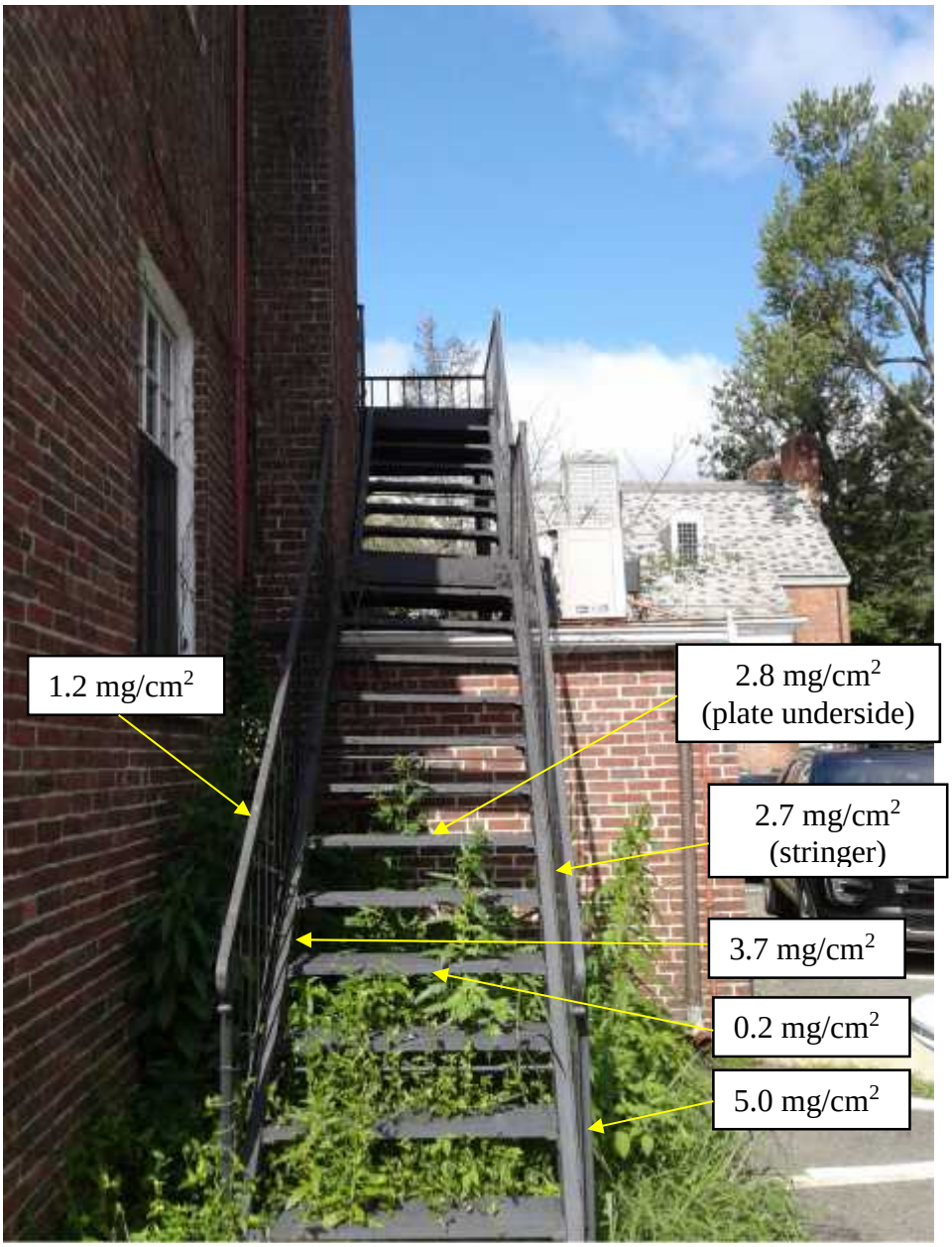


Figure 7 - Town Hall Fire Escape

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 031823614
Customer ID: ATC62
Customer PO: 11-81-0030
Project ID:

Attention: Edward Kolodziej
ATC Group Services LLC
73 William Franks Drive
West Springfield, MA 01089

Phone: (413) 426-6819
Fax: (413) 781-3734
Received Date: 08/27/2018 9:35 AM
Analysis Date: 08/29/2018
Collected Date: 08/24/2018

Project: TOWN OF LONGMEADOW/ COMMUNITY BLDG., 735 LONGMEADOW STREET, LONGMEADOW, MA

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**
CB-01A *031823614-0001*	ROOF - ADHESIVE ON RUBBER ROOF	Black Fibrous Homogeneous	20% Cellulose 8% Glass	72% Non-fibrous (Other)	**None Detected**
CB-01B *031823614-0002*	ROOF - ADHESIVE ON RUBBER ROOF	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
CB-02A *031823614-0003*	ROOF - PAPER ON INSULATION/ ROOF DECK	Brown/Black Fibrous Homogeneous	45% Cellulose 10% Glass	45% Non-fibrous (Other)	**None Detected**
CB-02B *031823614-0004*	ROOF - PAPER ON INSULATION/ ROOF DECK	Black Non-Fibrous Homogeneous	69% Cellulose 10% Glass	21% Non-fibrous (Other)	**None Detected**
CB-03A *031823614-0005*	ROOF - ADHEISVE ON RUBBER ROOF-FLASHING	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	**None Detected**
CB-03B *031823614-0006*	ROOF - ADHEISVE ON RUBBER ROOF-FLASHING	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

Initial report from: 08/29/2018 18:50:15

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Attention: Edward Kolodziej
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Received Date: 08/27/2018 9:35 AM
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Project: TOWN OF LONGMEADOW/ COMMUNITY BLDG., 735 LONGMEADOW STREET, LONGMEADOW, MA

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	08/27/2018	Sample Receipt Time:	9:35 AM
Analysis Completed Date:	08/29/2018	Analysis Completed Time:	4:56 PM

Analyst(s):

Johnny Calixto PLM (3)

Krystal Harris PLM (3)

Samples Reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

Initial report from: 08/29/2018 18:50:15

ATC
ENVIRONMENTAL · GEOTECHNICAL
BUILDING SCIENCES · MATERIALS TESTING

031823614

Asbestos Bulk Sample Chain-of-Custody

73 William Franks Drive
West Springfield, MA, 01089
Tel: 413-781-0070
Fax: 413-781-3734

Project Name: Town of Longmeadow

Project Address: Community Bldg., 735 Longmeadow Street, Longmeadow, MA

Project Number:

Project Manager: Edward Kolodziej

Sampled By: Edward Kolodziej

Date: 8/25/2018

Results To: edward.kolodziej@atcassociates.com

Analysis Type: PLM

Turnaround Time: 3 day

Positive Stop: (Yes) No

Special Instructions or Comments:

Field ID	Sample Description	Location	Homogeneous Material
CB-01A	Adhesive on Rubber Roof	Roof	1
CB-01B	Adhesive on Rubber Roof	Roof	1
CB-02A	Paper on Insulation/Roof Deck	Roof	2
CB-02B	Paper on Insulation/Roof Deck	Roof	2
CB-03A	Adhesive on Rubber Roof - Flashing	Roof	3
CB-03B	Adhesive on Rubber Roof - Flashing	Roof	3

EMSL-MANCHESTER LAB
RECEIVED
18 AUG 27 AM 9:35

Relinquished By: [signature] **Date:** 8/25/2018 **Received By:** Kaitlin Gomez **Date:** 8/27/18 9:35am

Relinquished By: [signature] 8/29 **Date:** **Received By:** JCA 8/29/18 **Date:**