



February 28, 2024

To All Bidders:

Subject: **Bid No. 8141-W4, Demolition – Various Buildings / E.D. - CDBG**

ADDENDUM NO. 3

To Whom It May Concern:

With reference to our bid request relative to the above subject, please refer to the changes/modifications/clarifications to the original proposal request.

- **SEE BELOW QUESTIONS RECEIVED AND RESPONSES FROM CITY**

The HazMat report by Atlas only covers 1 Arlington Street. The report suggests that the entire structure (garage included) is to be bulk loaded as asbestos waste. The report then lists what was tested for asbestos and nothing came back positive.

Please confirm if the entire building is going to be removed as assumed ACM. This will require a Non-Traditional Work Plan to be approved by DEP.

The answer is YES and is indicated in the original assessment.

The asbestos testing for the other two buildings seems incomplete. There are no quantities listed and the siding of the 2 Shale Street main house looks to be asbestos siding. The inspector did not test the siding of the house.

Is it the contractor's responsibility to test the whole house again, determine quantities and submit a change order?

Amended or additional assessment is provided for exterior siding at 2 Shale/1 Sultan Street. Quantities are indicated on the report. Amended or additional assessment for 143 West Boylston indicates no additional asbestos found.

The specs state "thorough investigation of the structure(s) by a licensed individual and produce a report of those findings. The cost of such investigation, testing and resultant report shall be included in the bid. The reasonable cost to remove any additional hazardous materials found in the subsequent full investigation, above and beyond those contained in the base bid, will be compensated for through change orders to the original contract" There are no quantities listed in the asbestos testing.

How would we determine what is "additional" to the base bid without an idea of quantities?

See above answer. Amounts have been quantified. Updated reports are attached to this addendum.



Will fees and permits be waived by City of Worcester?

No, City will not waive permit fees.

Are utilities (water, electric, gas?) to be cut and capped by the contractor? If so, can they be cut/capped on property or will it have to be in the street?

Capping is done by the contractor and it is typically at the property line or in the street. This is covered under Sanitary and Drainage Connections and all other Utilities.

The contractor will need access to water for the asbestos abatement.

Would we be able to hook up to a nearby hydrant?

The contractor will need to pull a permit from DPWP and they will provide a backflow preventer and a meter at the hydrant hookup for each site. The cost of any permit is to be paid by the Contractor. Link to the DPWP permit fees is here:

<http://www.worcesterma.gov/uploads/88/64/88645784c411efe52c14ceb2125a0926/fee-schedule.pdf>

Is there any information available regarding existing utilities at each site? Are electric / gas already shut off? If electric is off at each structure, will 24/7 generator use be allowed in these residential areas?

We are not aware of utilities still on at any site, except perhaps electric on West Boylston Street. It is up to the contractor to obtain all disconnects from all utilities in order to get a demo permit. This is listed in the specifications under Permits and again under Sanitary and Drainage Connections and all other Utilities.

Any requirements regarding site fencing / erosion control measures?

All fencing and control measures should be taking place as with any other demolition. This is covered in the specifications under Secure Site.

Can concrete 4' or more below grade be left in place? If yes, do slabs need to be perforated?

Any concrete below 4 feet must be broken up but can be used as fill below four feet.

Can foundation walls be crushed and used as backfill?

Yes, below four feet. This info is noted under Requirements in the specifications.

If imported fill is required, can we get a spec on the import material?

Imported material shall meet DPWP standards for Ordinary Borrow / Selected Common Fill. Ordinary Borrow/Selected Common Fill shall consist of a mineral soil substantially free from cinders, ashes, organic materials, loam, wood, trash and other objectionable materials that may be compressible or that cannot be properly compacted. It shall have no stone larger than six (6) inches in greatest dimension.



The City of
WORCESTER

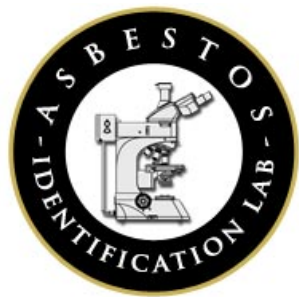
Administration & Finance – Purchasing Division
Christopher J. Gagliastro, MCPPO – Purchasing Director
455 Main Street, Room 201, Worcester, MA 01608
P | 508-799-1220
purchasing@worcesterma.gov

The fill shall not contain granite blocks, broken concrete, masonry rubble or other similar materials. It shall have physical properties such that it can be readily compacted during backfilling. The material shall have a maximum unit dry weight per cubic foot greater than 90 lbs., as determined by ASTM D698 and have a liquid limit less than 55. Snow, ice and frozen soil shall not be permitted.

Bidders are requested to acknowledge and/or include this addendum with submission. All other terms, conditions and specifications remain unchanged.

Very truly yours,

Christopher J. Gagliastro
Purchasing Director



Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email:
mikemanning@asbestosidentificationlab.com



Batch: 112559

Colton Harvey
Atlas Technical Services, Woburn
10 State Street
Suite 100
Woburn, MA 01801

Project Information

2 Shale St.,
Worcester,
MA

Method: BULK PLM ANALYSIS,
EPA/600/R-93/116

Dear Colton Harvey,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116. The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Colton Harvey for your business.

Michael Manning
Owner/Director

FieldID	Material	Location	Color	Non-Asbestos %		Asbestos %
LabID						
01A	Flet Paper	Siding on Front of Building	black	Cellulose	80	None Detected
1236579				Non-Fibrous	20	
01B	Felt Paper	Siding on Front of Building	black	Cellulose	80	None Detected
1236580				Non-Fibrous	20	
02A	Felt Paper	Siding on Rear of Building	black	Cellulose	80	None Detected
1236581				Non-Fibrous	20	
02B	Felt Paper	Siding on Rear of Building	black	Cellulose	80	None Detected
1236582				Non-Fibrous	20	
03A	Blue Siding	Exterior	gray	Non-Fibrous	70	Detected Chrysotile 30
1236583						
03B	Blue Siding	Exterior				Not Analyzed
1236584						
04A	White Siding	Exterior	gray	Non-Fibrous	70	Detected Chrysotile 30
1236585						
04B	White Siding	Exterior				Not Analyzed
1236586						
05A	Green Siding	Exterior	gray	Non-Fibrous	70	Detected Chrysotile 30
1236587						
05B	Green Siding	Exterior				Not Analyzed
1236588						
06A	Skim Coat	Foundation Rear	gray	Non-Fibrous	100	None Detected
1236589						
06B	Skim Coat	Foundation Rear	gray	Non-Fibrous	100	None Detected
1236590						
07A	Shingles	On the Ground	black	Fiberglass	30	None Detected
1236591				Non-Fibrous	70	
07B	Shingles	On the Ground	black	Fiberglass	30	None Detected
1236592				Non-Fibrous	70	

Client: <u>Atlas Technical Consultants, LLC</u> Address: <u>10 State Street, Suite 100, Woburn, MA 01801</u> Project Site & #: <u>2 Shore St. Worcester</u> Phone / email address: <u>Colton.Harvey@oneatlas.com 603-781-855</u> Contact: <u>Colton Harvey</u> Relinquish by/date: <u>2/27/24 Colton</u> Received by/date: <u>submy 2/27/24</u> # of Samples Received: <u>14</u>	CHAIN OF CUSTODY EPA/600/R-93/116 Asbestos Identification Lab 165 New Boston St. Suite 227 Woburn, MA 01801 (781)932-9600 www.asbestosidentificationlab.com Date Sampled: <u>2/27/24</u> BATCH# <u>112559</u> Rev 06/16	Page <u>7</u> of <u>4</u> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Turnaround Time</th> <th style="text-align: left;">Sample Method</th> </tr> <tr> <td><input type="checkbox"/> Less 3 Hrs</td> <td><input checked="" type="checkbox"/> Bulk</td> </tr> <tr> <td><input checked="" type="checkbox"/> Same Day <i>Weeks A.M.</i></td> <td><input type="checkbox"/> Soil</td> </tr> <tr> <td><input type="checkbox"/> Next Day</td> <td><input type="checkbox"/> Wipe</td> </tr> <tr> <td><input type="checkbox"/> Two Day</td> <td><input type="checkbox"/> Point Count</td> </tr> <tr> <td colspan="2">Stop on 1st Positive? <u>Yes/No</u></td> </tr> <tr> <td colspan="2">Notify Method: <u>Mail/E-Mail/Verbal</u></td> </tr> <tr> <td colspan="2">Analyzed By: <u>Jason Colton</u></td> </tr> <tr> <td colspan="2">Date: <u>2/27/24</u></td> </tr> </table>	Turnaround Time	Sample Method	<input type="checkbox"/> Less 3 Hrs	<input checked="" type="checkbox"/> Bulk	<input checked="" type="checkbox"/> Same Day <i>Weeks A.M.</i>	<input type="checkbox"/> Soil	<input type="checkbox"/> Next Day	<input type="checkbox"/> Wipe	<input type="checkbox"/> Two Day	<input type="checkbox"/> Point Count	Stop on 1st Positive? <u>Yes/No</u>		Notify Method: <u>Mail/E-Mail/Verbal</u>		Analyzed By: <u>Jason Colton</u>		Date: <u>2/27/24</u>	
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Date: <u>2/27/24</u>																				

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celsius = 23	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
		Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
80 1436579	OZA	Material						Chrysotile															
		Location Siding on front of building						Amosite											R				
									Crocidolite														
									Tremolite														
									Anthophyllite										R				20
									Actinolite														
80	OZB	Material						Chrysotile															
		Location ↓ ↓ ↓						Amosite											R				
									Crocidolite														
									Tremolite														
									Anthophyllite										R				20
									Actinolite														
81	OZA	Material						Chrysotile															
		Location Siding on rear building						Amosite											R				
									Crocidolite														
									Tremolite														
									Anthophyllite										R				20
									Actinolite														

(Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
		Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
02B		Material Felt Paper Location Siding on rear of building		0 BK	Y	L	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R				
03A		Material Blue siding Location exterior	30	gg	Y	g/k	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	30	w	P	+	low	N	15x2	10x1							2
03B		Material ↓ Location ↓						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
04A		Material white siding Location exterior	30	gg	Y	g/k	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	30	w	P	+	low	N	15x2	10x1							2
04B		Material ↓ Location ↓						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															

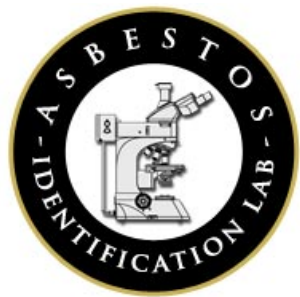
DMA

DMA

(Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
		Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
54	05A	Material Green Siding Location Exterior	30	gry	g		N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	30	✓	p	+	low	N	69.0	1.565							30
58	05B	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
59	06A	Material Skim Coat Location Foundation	0	gry	g		✓	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
44	06B	Material Location	0	gry	g		✓	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
41	07A	Material Shingles Location on the ground	0	blk	g	g/f	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1						30

0 N/A

(Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)																	
		Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous											
1436542	07B	Material	Shingles					Chrysotile										J																
		Location						on the ground	Bk	2/2	N	Amosite																36						70
		Crocidolite																																
		Tremolite																																
		Anthophyllite																																
		Actinolite																																
	Material						Chrysotile																											
	Location						Amosite																											
							Crocidolite																											
							Tremolite																											
							Anthophyllite																											
							Actinolite																											
	Material						Chrysotile																											
	Location						Amosite																											
							Crocidolite																											
							Tremolite																											
							Anthophyllite																											
							Actinolite																											
	Material						Chrysotile																											
	Location						Amosite																											
							Crocidolite																											
							Tremolite																											
							Anthophyllite																											
							Actinolite																											



Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email:
mikemanning@asbestosidentificationlab.com



Batch: 112554

Colton Harvey
Atlas Technical Services, Woburn
10 State Street
Suite 100
Woburn, MA 01801

Project Information

143 W. Boylston St.,
Worcester,
MA

Method: BULK PLM ANALYSIS,
EPA/600/R-93/116

Dear Colton Harvey,

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- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Colton Harvey for your business.

Michael Manning
Owner/Director

FieldID	Material	Location	Color	Non-Asbestos %		Asbestos %
LabID						
01A	Tar Paper	Near the Porch	black	Cellulose	80	None Detected
1236413				Non-Fibrous	20	
01B	Tar Paper	Near the Porch	black	Cellulose	80	None Detected
1236414				Non-Fibrous	20	
02A	Tar Paper	Shed	tan	Cellulose	95	None Detected
1236415				Non-Fibrous	5	
02B	Tar Paper	Collapsed Shed	tan	Cellulose	95	None Detected
1236416				Non-Fibrous	5	
03A	Shingles	Blown Off Roof	black	Cellulose	65	None Detected
1236417				Non-Fibrous	35	
03B	Shingles	Blown Off Roof	black	Cellulose	65	None Detected
1236418				Non-Fibrous	35	

Client: Atlas Technical Consultants, LLC																							
Address: 10 State Street, Suite 100, Woburn, MA 01801																							
Project Site & #: 143 N. Main St.																							
Phone / email address: Colton Harvey @oneatlas.com 603-781-855																							
Contact: Colton Harvey																							
Relinquish by/date: 2/27/24 Colton Harvey																							
Received by/date: Mubongy 2/27/24																							
# of Samples Received: 6																							
<div>CHAIN OF CUSTODY EPA/600/R-93/116</div> <div>Asbestos Identification Lab 165 New Boston St. Suite 227 Woburn, MA 01801 (781)932-9600 www.asbestosidentificationlab.com</div> <div>Date Sampled: 2/27/24</div> <div>BATCH# 112554</div> <div>Rev 06/16</div> <div><div>Turnaround Time <input checked="" type="checkbox"/> Less than 3 Hrs <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> Next Day <input type="checkbox"/> Two Day</div><div>Sample Method <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Soil <input type="checkbox"/> Wipe <input type="checkbox"/> Point Count Stop on 1st Positive? Yes/No Notify Method: Mail/E-Mail/Verbal Analyzed By: Lauren Sales Date: 2/27/24</div></div>																							
Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celsius = 70°	Stereo Scope					Optical Properties							RI		Non-Asbestos Percentage (%)						
		Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	I	J	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
12364B	OZA	Tar Paper Location Near the Porch	0	BK	Y	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										R					
14	OZB	↓ ↓	0	BK	Y	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										R					20
15	OZA	Tar Paper Shed	0 +	Y	F	Y		Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										R					5

		Temp in Celcius = _____		Stereo Scope						Optical Properties						RI		Non-Asbestos Percentage (%)						
(Lab Use Only)	Field ID/ (Client Reference)	Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	+	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
16	02B	Material Tar Paper Collapsed Location Shed	0	+	Y	F	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 95				5	
17	03A	Material Shingles Location Blown off roof	0	BK	N	GN F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 105				35	
18	03B	Material ↓ Location ↓	0	BK	N	GN F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 105				35	
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																