



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

March 1, 2024

To All Bidders:

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

ADDENDUM NO. 4

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.

- **PLEASE SEE ATTACHED ADDITIONAL HAZ-MAT REPORTS FOR 143 WEST BOLYSTON STREET & 2 SHALE STREET.**
- **The estimated quantity for the confirmed asbestos-containing siding at 2 Shale Street, Worcester is approximately 3,500 SF of Green Siding, 2,500 SF of White Siding and 1,500 SF of Blue Siding.**

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: 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,

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

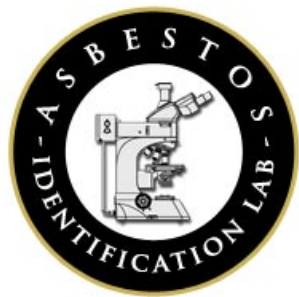
Thank you Colton Harvey for your business.

Michael Manning
Owner/Director

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

Client: Atlas Technical Consultants, LLC																					
Address: 10 State Street, Suite 100, Woburn, MA 01801																					
Project Site & #: 143 W Bay St Worcester, MA																					
Phone / email address: Colton.Harvey@oneatlas.com 603-781-855																					
Contact: Colton Harvey																					
Relinquish by/date: 2/27/24 Colton Harvey																					
Received by/date: Mubonye 2/27/24																					
# of Samples Received: 6																					
<div style="text-align: center;">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 style="float: right;"> Rev 06/16</div> <div>BATCH# 112554</div>																					
<div>Turnaround Time: Less than 3 Hrs [X] Same Day [X] Next Day [] Two Day [] Stop on 1st Positive? Yes [X] No [] Notify Method: Mail/E-Mail/Verbal [X] Analyzed By: Lauren Sales Date: 2/27/24</div> <div>Sample Method: Bulk [X] Soil [] Wipe [] Point Count []</div>																					
Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celsius = 20	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	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					20
14	OZB	/v	0	Bk	Y	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite								R					20
15	OZA	Tar Paper Location: Shed	0 + Y	F	Y			Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite								R					5

	(Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = _____	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	= ⊥	Fiberglass Mineral Wool Cellulose Hair Synthetic Other Non-Fibrous
76		OZB	Material: Tar Paper Location: Collapsed Shed	0 + Y F Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite			R 95 5
77		OZA	Material: Shingles Location: Blown off roof	0 BK N GN FN	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite			R 15 35
88		OZB	Material: ↓ Location: V	0 BK N GN FN	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite			R 65 35
			Material: Location:		Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite			
			Material: Location:		Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite			



Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
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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.

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- 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 Shale St. Worcester MA</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>Quincy 2/27/24 Tracy</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>1</u> of <u>4</u> Turnaround Time Sample Method <input type="checkbox"/> Less 3 Hrs <input checked="" type="checkbox"/> Bulk <input checked="" type="checkbox"/> Same Day <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</u> /No Notify Method: Mail/ <u>E-Mail</u> /Verbal Analyzed By: <u>Leann Colton</u> Date: <u>2/27/24</u>	
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Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celsius = <u>23</u>	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
1236579	OZA	Material	0	BR	F	N	Chrysotile	0										R					20
		Location					Amosite																
		Siding on front of building					Crocidolite																
							Tremolite																
							Anthophyllite																
							Actinolite																
80	OZB	Material	0	BR	F	N	Chrysotile	0									R					20	
		Location					Amosite																
		Siding on rear building					Crocidolite																
							Tremolite																
							Anthophyllite																
							Actinolite																
81	OZA	Material	0	BR	F	N	Chrysotile	0									R					20	
		Location					Amosite																
		Siding on rear building					Crocidolite																
							Tremolite																
							Anthophyllite																
							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	
5/16	05A	Material Green Siding Location exterior	30	gry	y	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	30	✓	p	+	low	N	60°	150°							30	
5/8	05B	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															0 N/A	
5/16	06A	Material Skim Coat Location Foundation	0	gry	y	g	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100	
5/16	06B	Material Location	0	gry	y	g	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100	
5/16	07A	Material Shingles Location on the ground	0	blk	y	g/f	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1	30					70	

(Lab Use Only)