

AHERA/NESHAP ASBESTOS INSPECTION REPORT 110 A STREET RESIDENTIAL PROPERTY

CLIENT:

City of Georgetown 110 A Street Georgetown, SC 29440

LOCATION:

110 A Street Georgetown, SC

DATE OF INSPECTION:

September 27, 2022

DATE OF REPORT:

November 7, 2022

PREPARED BY:

Logan Smith Environmental Staff Professional

SUMMIT Engineering, Laboratory & Testing, Inc. **(SUMMIT)**1539 Meeting Street - Suite A
Charleston, SC 29405
843-606-6268

SUMMIT Job No. 0069.E0001

AHERA/NESHAP ASBESTOS INSPECTION REPORT 110 A Street, Georgetown, SC

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1.0 REPORT CERTIFICATION

SUMMIT is pleased to provide environmental consulting services for City of Georgetown. Please contact this office at 843-606-6268 with any questions or comments regarding the findings submitted in this report.

This document, entitled AHERA/NESHAP Limited Asbestos Inspection Report, was prepared for City of Georgetown, and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.

Logan Smith Date

SC DHEC AHERA Asbestos Building Inspector No. BI-02058

Expiration Date: November 16, 2022

SC DHEC AHERA Asbestos Air Sampler No. AS-00658

Expiration Date: December 9, 2022

SC DHEC AHERA Asbestos Supervision No. SA-03626

Expiration Date: December 9, 2022

2.0 EXECUTIVE SUMMARY

On September 27, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 110 A Street, Georgetown, South Carolina.

A one-story residential building exists at the site. The building is currently not occupied. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is intended to be demolished.

The purpose of this inspection was to investigate available records for the specification of asbestos containing material (ACM), inspect for suspect materials, sample, and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. Four (4) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

The following Asbestos Containing Materials (ACMs) were identified within the structure:

TRAN2-1, 2 AND 3

The cementitious board siding was sampled from outside the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 500 SF of the material. The material is classified as a friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.0 SUSPECT MATERIALS

3.1 Roofing Material

RF-1, 2 AND 3

The roofing material were sampled from outside the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.2 Cementitious Board

TRAN-1, 2 AND 3

The cementitious board was sampled from outside the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.3 Siding

TRAN2-1, 2 AND 3

The cementitious board siding was sampled from outside the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 500 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.4 Ceiling Texture

CTEX-1, 2 AND 3

The interior CMU skim coat was sampled from the walls within the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM (Y/N)	AMOUNT
ROOFING MATERIAL	N	1,000 SF
CEMENTITIOUS BOARD	N	250 SF
CEMENTITIOUS BOARD SIDING	Υ	500 SF
CEILING TEXTURE	N	250 SF

Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSIONS AND RECOMMENDATIONS

On September 27, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Limited Asbestos Inspection for 110 A Street, Georgetown, South Carolina.

A one-story residential building exists at the site. The building is currently not occupied. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is intended to be demolished.

The following Asbestos Containing Materials (ACMs) were identified within the structure:

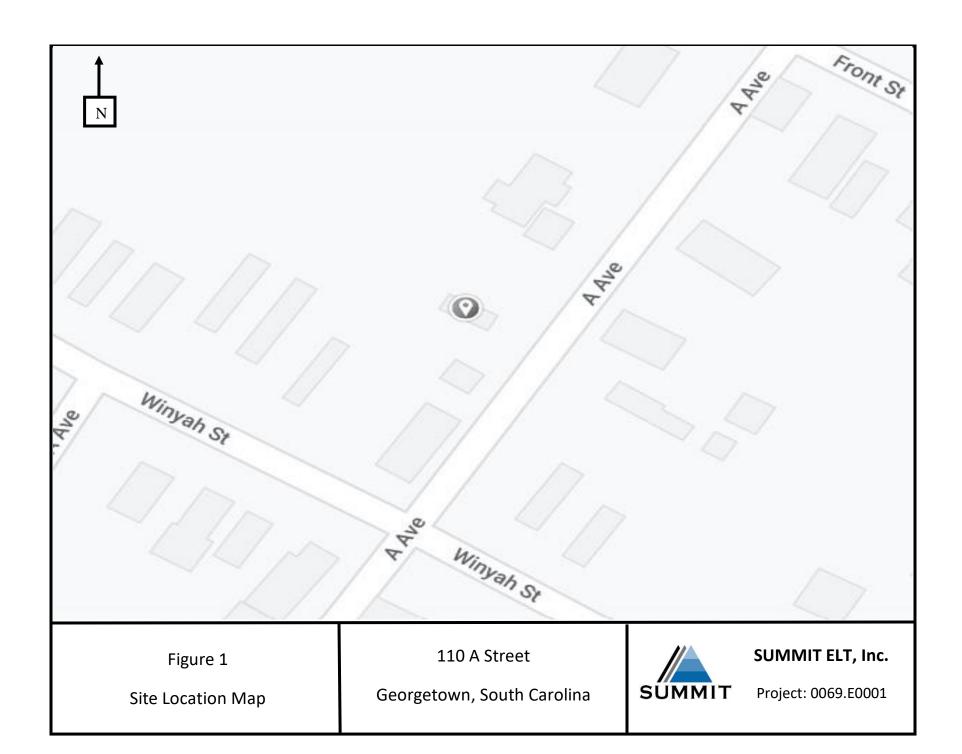
TRAN2-1, 2 AND 3

The cementitious board siding was sampled from outside the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 500 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied miscellaneous material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES



APPENDIX A ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 110 A Street

Summit #: 2022-9-29-0069.E0001

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Total Samples Analyzed: 17

Samples >1% Asbestos: 1

Method of Analysis: EPA 600/R-93/116/M4-82/020



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Fort Mill, SC 29715

Summit ELT, Inc.

3575 Centre Circle

Project: 110 A Street

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

			<u>No</u>	n-Asbestos	<u>Asbestos</u>	
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos	
RF-1-Shingle 2022-9-29-0069.E0001-1	Roofing Material	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected	
RF-1-Felt	Fibrous		50% Cellulose	50% Non-fibrous (other)	None Detected	
	D (M) : 1	Homogeneous	50/ 01	050(N	N 5	
RF-2-Shingle 2022-9-29-0069.E0001-2	Roofing Material	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected	
RF-2-Felt	Roofing Material	Black, Brown Fibrous	50% Cellulose	50% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-2A		Homogeneous		, ,		
Гran-01-01	Cementitious Board	Beige Fibrous	20% Cellulose	80% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-3		Homogeneous				
Гran-01-02	Fibrous (other)		80% Non-fibrous (other)	None Detected		
2022-9-29-0069.E0001-4	0 111 5 1	Homogeneous	2001 0 11 1	000/ 11 //		
Tran-01-03 2022-9-29-0069.E0001-5	Cementitious Board	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected	
Fran2-1	Transite Siding	Gray, Green		80% Non-fibrous	20% Chrysotile	
2022-9-29-0069.E0001-6	Transite Siding	Fibrous Homogeneous		(other)	20% Chrysothe	
Fran2-2	Transite Siding	Homogeneous			Positive stop (not analyzed)	
2022-9-29-0069.E0001-7					anary20a)	
Tran2-3	Transite Siding				Positive stop (not analyzed)	
2022-9-29-0069.E0001-8						
Ctex-1-Texture	Ceiling Texture	White Non-fibrous		100% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-9	O 111 T	Homogeneous	100/ 0 " :	000/ 11 //	N 5	
Ctex-1-Wallboard	Ceiling Texture	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-9A	Callia a Taurium	Homogeneous		4000/ Non-Chan-	Nana Datasta I	
Ctex-1-Joint Compound 2022-9-29-0069.E0001-9B	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected	
Ctex-2-Texture	Ceiling Texture	White		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-10	g . o/	Non-fibrous Homogeneous		(other)	0.0000	

Analyst(s): Cass E. Rupert



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: 110 A Street

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

			<u>No</u>	n-Asbestos	<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
Ctex-2-Wallboard	Ceiling Texture	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-10A		Homogeneous			
Ctex-2-Joint Compound	Ceiling Texture	White		100% Non-fibrous	None Detected
		Non-fibrous		(other)	
2022-9-29-0069.E0001-10A		Homogeneous			
Ctex-3-Texture	Ceiling Texture	White		100% Non-fibrous	None Detected
	•	Non-fibrous		(other)	
2022-9-29-0069.E0001-11		Homogeneous			
Ctex-3-Wallboard	Ceiling Texture	Gray, Beige	10% Cellulose	90% Non-fibrous	None Detected
	•	Fibrous		(other)	
2022-9-29-0069.E0001-11A		Homogeneous			
Ctex-3-Joint Compound	Ceiling Texture	White		100% Non-fibrous	None Detected
	-	Non-fibrous		(other)	
2022-9-29-0069.E0001-11A		Homogeneous		, ,	

Analyst(s): Cass E. Rupert Page 3 of 4



METHOD: EPA 600/R-93/116/M4-82/020

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended. Results relate only to the items received by the laboratory as noted on the Chain of Custody.

This sheet may not be reproduced except with permission from Summit Laboratories. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Analyst(s):

Cass E. Rupert

Approved By

Approved Signatory

Summit Laboratories, 3575 Centre Circle, Fort Mill, SC 29715, Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:	40,20
Summit Order Number: 7,021,- 9-29-0069, Ca	041

2520 Whitehall Park Rd - Suite 250,

Charlotte, NC 28273

Tel: 704-504-1717; Fax: 704-504-1125

	INFORMATION						III KEUR	
Company:			Job Contact: L. Smith/ A. Monk					
Address:			Email: Is	smith@sui	mmit-com	panies.org	9	
T.		Tel:						
			Fax:					
Project Name: WEN. 110 A Street				ollected In	: SC			
Project ID#: <i>0069</i>	E0001							
	oifferent - If Bill to is different p	olease no	tate in th	ne comme	nts section	on.		
				TUR	AROUN	D TIME		
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY	2 Week
PLM BULK	EPA 600						×	
PLM Point Count (400)	EPA 600							
PCM AIR	NIOSH 7400							
TEM BULK	EPA NOB / Chatfield							
TEM AIR	AHERA 40 CFR, Part 763							
TEM Dust Wipe ASTM D6480								
		ı						
POSITIVE STOP ANALY	SIS: 🔀							
	SIS: 🖾 TURNAROUND TIME IS NO	OT MAR	KED ST	ANDARD	5 DAY A	PPLIES		
IF				ANDARD	5 DAY A	PPLIES		
IF By submitting samples, you	TURNAROUND TIME IS NO	and Condi		ANDARD	5 DAY A			
IF By submitting samples, you	TURNAROUND TIME IS No are agreeing to Summit's Terms	and Condi		ANDARD	5 DAY A	PPLIES		ot Sample:
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IF By submitting samples, you	TURNAROUND TIME IS NO are agreeing to Summit's Terms	and Condi			5 DAY A		Rejec	•
IF By submitting samples, you COMMENTS: Sen	TURNAROUND TIME IS NO are agreeing to Summit's Terms	and Condi					Rejec	t Samples



SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
KF-1	Roofing material		
- 2	8		
- 3 (TEM)	Transite Siding		
Trau : 01-01,00	Transite sidium		
-03	. '		
Tran-1	Transite Sidium		
- 2	, ,		
- 7	1.1		
(Tex-1	Creiling Texture		
(Tex-1 -2 -3			
- 3	Ϋ́τ		
	00-40		
	• 4		
		ε	
		3	

October 10, 2022

SUMMIT Engineering, Laboratory & Testing, Inc. 3575 Centre Circle Fort Mill, SC 29715

CLIENT PROJECT: 110 A Street, 0069.E0001

LAB CODE: ST220253

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on October 3, 2022. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH Laboratory Director

Mansas Di



ASBESTOS ANALYTICAL REPORT By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT: 110 A Street, 0069.E0001

LAB CODE: ST220253

TEST METHOD: Bulk Chatfield

EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 10/10/22



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Client: SUMMIT Engineering, Laboratory & Testing, Inc.

 Lab Code:
 ST220253

 Date Received:
 10-03-22

 Date Analyzed:
 10-10-22

 Date Reported:
 10-10-22

3575 Centre Circle Fort Mill, SC 29715

Project: 110 A Street, 0069.E0001

TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
RF-3 ST01823	Black Shingle	0.498	26.6	42.6	30.8	None Detected
RF-3 ST01824	Felt	0.2611	92.1	3.4	4.5	None Detected



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. *Estimated measurement of uncertainty is available on request.* Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Eurofins CEI recommends between 0.500 and 0.200 grams of sample material. *Any weight below 0.100 grams is considered below protocol guidelines.*

ANALYST

APPROVED BY:

Bru*milda Gjoka* Brunilda Gjoka

Tianbao Bai, Ph.D., CIH Laboratory Director



Eurofins Built Environment CEI 2752 Pleasant Road, Suite 100A Fort Mill, SC 29708

Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:			
ECEI Lab Code:	5+7	120253	
ECEI Lab I.D. Ran			

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Ce: Maria Cao
Company: Summit ELT	Email / Tel: mcao@summit-companies.com
Address: 3575 Centre Circle	Project Name: 110 A Street
	Project ID#: 0069.E0001
Email: envirolabs@summit-companies.com	PO #:
Tel: 704.504.1717 Fax:	STATE SAMPLES COLLECTED IN: SC

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

				TURN ARC	OUND TIME		
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600						
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PLM BULK	CARB 435						
PCM AIR*	NIOSH 7400						
TEM AIR	EPA AHERA						
TEM AIR	NIOSH 7402						
TEM AIR (PCME)	ISO 10312						
TEM AIR	ASTM 6281-15						
TEM BULK	CHATFIELD						
TEM DUST WIPE	ASTM D6480-05 (2010)						
TEM DUST MICROVAC	ASTM D5755-09 (2014)						
TEM SOIL	ASTM D7521-16						
TEM VERMICULITE	CINCINNATI METHOD						
TEM QUALITATIVE	IN-HOUSE METHOD						
OTHER:							

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:
Please only analyze the layers listed on the COC
Please CC: envirolab@summit-companies.com on the results

Reject Samples

Relinquished By:
Date/Time
Received By:
Date/Time

10/3/2022

CRO
10/3
11.40

By submitting samples, you are agreeing to ECEI's Terms and Conditions. Samples will be disposed of 30 days after analysis

Page _____of ____

Version: CCOC.07.18.1/2.LD



SAMPLING FORM

CEI

COMPANY CONTACT INFORMATION				
Company: Summit ELT, P.C.	Job Contact: Logan Smith/A. Monk			
Project Name: 110 A Street	Ismith@summit-companies.com			
Project ID #: 0069.E0001	Tel:			

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
RF-3	black shingle and felt		PLM		TEM	

Version: CCOC.07.18.2/2.LD

APPENDIX B ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith



AIRSAMPLER AS-000658 12/09/22 CONSULTBI BI-002058 11/16/22 SUPERAHERA SA-003626 12/09/22

SCDHEC ISSUED

Asbestos ID Card

Jordan Suttles



AIRSAMPLER CONSULTBI SUPERAHERA SA-003673

AS-000665 BI-002074

Expiration Date: 02/17/23 02/01/23 02/17/23

APPENDIX C SUMMIT DOCUMENTATION



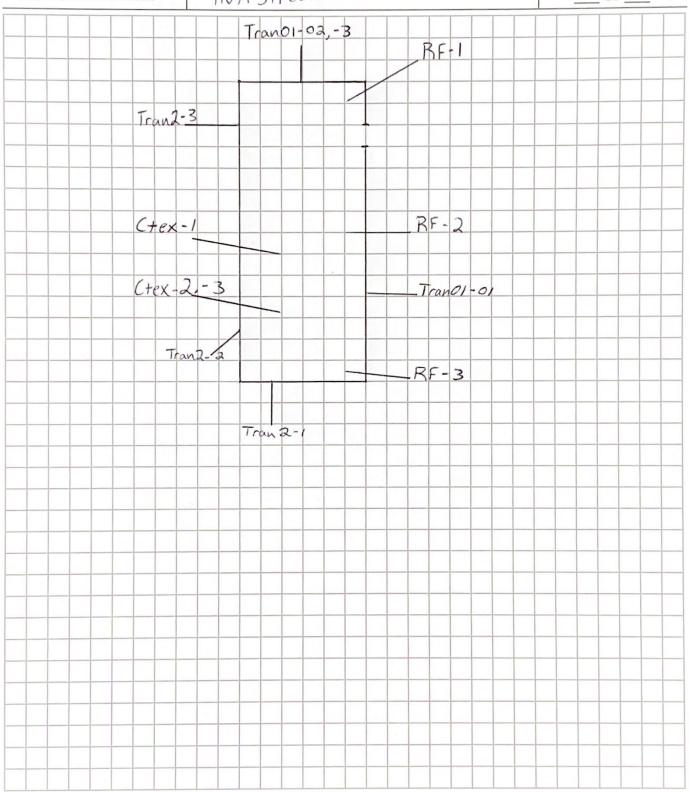
PREPARED DATE: CHECKED BY: DATE: PROJECT NO:

BY: 9/27/22

PROJECT NAME: West - End Demolition

110 A Street

SHEET NO
OF_





AHERA/NESHAP ASBESTOS INSPECTION REPORT 2005 FRONT ST. RESIDENTIAL PROPERTY

CLIENT:

City of Georgetown 1134 North Fraser Street Georgetown, SC 29440

LOCATION:

2005 Front St. Georgetown, SC

DATE OF INSPECTION:

September 27, 2022

DATE OF REPORT:

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PREPARED BY:

Logan Smith Environmental Staff Professional

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Α	Anal	lytical Results	
В	Asbe	estos Inspector's License	
C	SUM	MMIT Documentation	

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Logan Smith	Date

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SC DHEC AHERA Asbestos Supervisor No. SA-03626

Expiration Date: December 9, 2022

Jordan Suttles

Date

SC DHEC AHERA Asbestos Building Inspector No. BI-002074

Expiration Date: February 1, 2023

SC DHEC AHERA Asbestos Air Sampler No. AS-000665

Expiration Date: February 17, 2023

SC DHEC AHERA Asbestos Supervisor No. SA-003673

Expiration Date: February 17, 2023

2.0 EXECUTIVE SUMMARY

On September 27, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2005 Front St., Georgetown, South Carolina.

One (1) dilapidated residential structure. The building is currently not occupied. The structure and sections of the floor joists have collapsed. Based on the structural condition of the building, a hazard may be present for occupants. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is expected to be demolished.

A work practices variance may be required in order to abate the structure using alternate methods. The variance may be requested from SC DHEC by the abatement contractor to accomplish this. Additional requirements usually involve a letter of structural condemnation by an official, and an asbestos project design in order to abate using demo with RACM (Regulated Asbestos Containing Materials).

The purpose of this inspection was to investigate available records for the specification of asbestos containing material (ACM), inspect for suspect materials, sample, and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. Five (5) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

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TR-1, 2 AND 3

The cementitious board was sampled from exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 500 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

WB-1, 2 AND 3

The wallboard/joint compound was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 900 of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.0 SUSPECT MATERIALS

3.1 Roofing Material

RF-1, 2 AND 3

The roofing material were sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.2 <u>Cementitious Board</u>

TR-1, 2 AND 3

The cementitious board was sampled from exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 500 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.3 Window Glaze

WG-1, 2 AND 3

The window glaze was sampled from the window on the exterior structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.4 Wallboard/Joint Compound

WB-1, 2 AND 3

The wallboard/joint compound was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 900 of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.5 Floor Tile

FT-1, 2 AND 3

The floor tile was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM (Y/N)	AMOUNT
ROOFING MATERIAL	N	1,000 SF
CEMENTITIOUS BOARD	Υ	500 SF
WINDOW GLAZE	N	60 LF
WALLBOARD/JOINT COMPOUND	Υ	900 SF
FLOOR TILE	N	500 SF

Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSIONS AND RECOMMENDATIONS

On September 27, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2005 Front St., Georgetown, South Carolina.

One (1) dilapidated residential structure. The building is currently not occupied. The structure and sections of the floor joists have collapsed. Based on the structural condition of the building, a hazard may be present for occupants. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is expected to be demolished.

A work practices variance may be required in order to abate the structure using alternate methods. The variance may be requested from SC DHEC by the abatement contractor to accomplish this. Additional requirements usually involve a letter of structural condemnation by an official, and an asbestos project design in order to abate using demo with RACM (Regulated Asbestos Containing Materials).

The following Asbestos Containing Materials (ACMs) were identified within the structure:

TR-1, 2 AND 3

The cementitious board was sampled from exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 500 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

WB-1, 2 AND 3

The wallboard/joint compound was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 900 of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied miscellaneous material or other

miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES



APPENDIX A ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 2005 Front St.

Summit #: 2022-9-29-0069.E0001

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Total Samples Analyzed: 11

Samples >1% Asbestos: 2

Method of Analysis: EPA 600/R-93/116/M4-82/020



3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: 2005 Front St.

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

			<u>No</u>	<u>Asbestos</u>	
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RF-1 2022-9-29-0069.E0001-1	Roofing Material	Black, Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-2	Roofing Material	Black, Gray Fibrous	5% Glass	95% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-2		Homogeneous			
TR-1	Transite	White, Red Fibrous		80% Non-fibrous (other)	20% Chrysotile
2022-9-29-0069.E0001-3		Homogeneous			
TR-2	Transite				Positive stop (not analyzed)
2022-9-29-0069.E0001-4	Torrection				Design stee feet
TR-3	Transite				Positive stop (not analyzed)
2022-9-29-0069.E0001-5 WG-1	Window Glazing	White, Beige		100% Non-fibrous	None Detected
2022-9-29-0069.E0001-6	Willidow Glazing	Non-fibrous Homogeneous		(other)	None Detected
WG-2	Window Glazing	White, Beige		100% Non-fibrous	None Detected
2022-9-29-0069.E0001-7	J	Non-fibrous Homogeneous		(other)	
WB-1-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-8		Homogeneous			
WB-1-Joint Compound	Wallboard and Joint Compound	Beige Fibrous		98% Non-fibrous (other)	2% Chrysotile
2022-9-29-0069.E0001-8A		Homogeneous			
WB-2-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-9		Homogeneous			
WB-2-Joint Compound	Wallboard and Joint Compound				Positive stop (not analyzed)
2022-9-29-0069.E0001-9A					
WB-3-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-10		Homogeneous			
WB-3-Joint Compound	Wallboard and Joint Compound				Positive stop (not analyzed)
2022-9-29-0069.E0001-10A					
FT-1	Flooring	Red, Brown Fibrous	15% Cellulose	85% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-11		Homogeneous			

Analyst(s): Cass E. Rupert



3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Fort Mill, SC 29715

3575 Centre Circle

Summit ELT, Inc.

Project: 2005 Front St.

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

		i cianzoa zig	ne mior occopy		
			<u>No</u>	n-Asbestos	<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
FT-2	Flooring	Red, Brown Fibrous	15% Cellulose	85% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-12		Homogeneous		,	

Analyst(s): Cass E. Rupert Page 3 of 4



METHOD: EPA 600/R-93/116/M4-82/020

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended. Results relate only to the items received by the laboratory as noted on the Chain of Custody.

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Analyst(s):

Cass E. Rupert

Approved By

Approved Signatory

Summit Laboratories, 3575 Centre Circle, Fort Mill, SC 29715, Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:	
Summit Order Number:	

2520 Whitehall Park Rd – Suite 250, Charlotte, NC 28273 Tel: 704-504-1717; Fax: 704-504-1125

INFORMATION			pe_ [-yi]					
			Job Contact: L. Smith/ A. Monk					
			Email: lsmith@summit-companies.org					
			Tel:					
			Fax:					
Project Name: W.E.N 2005 Front S				ollected In	: SC			
	different p	lease no	tate in th	ne comme	ents section	on.		
oi,				TUDI	APOLIN	D TIME		
METHOD		4 HR	8 HR				5 DAY	2 Week
EPA 600							⊠.	
EPA 600								
NIOSH 7400								
EPA NOB / Char	tfield							
AHERA 40 CFR	, Part 763							
ASTM D6480								
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Samples will be disposed of 60 days after analysis



SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing Material		
- 2	(1)		
- 3 (TEM)	(\		
TR-I	Transite		
- 2	/)		
- 3	/ 1		
(1)C-1	Window Gelazing		
- 2	(,		
- 3 (TEM)	4		
WB-1	Wallbraire		
- 2	71		
- 3	/ »		
FT-1	Flooring		
-2	110		
-3 /ten)	11		
			. 2
(0)			
		797	
	-		

October 10, 2022

SUMMIT Engineering, Laboratory & Testing, Inc. 3575 Centre Circle Fort Mill, SC 29715

CLIENT PROJECT: 2005 Front St, 0069.E0001

LAB CODE: ST220252

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on October 3, 2022. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH Laboratory Director

Mansas Di



ASBESTOS ANALYTICAL REPORT By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT: 2005 Front St, 0069.E0001

LAB CODE: ST220252

TEST METHOD: Bulk Chatfield

EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 10/10/22



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Client: SUMMIT Engineering, Laboratory & Testing, Inc.

Lab Code: ST220252 **Date Received:** 10-03-22 3575 Centre Circle Date Analyzed: 10-10-22 Fort Mill, SC 29715 **Date Reported:** 10-10-22

Project: 2005 Front St, 0069.E0001

TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
RF-3 ST01835	Black Shingle	0.5655	15.7	31.8	52.5	None Detected
WG-3 ST01836	Window Glaze	0.3692	9	89.3	1.7	None Detected
FT-3 ST01837	Brown and Red Flooring	0.1243	72.6	26.2	1.2	<1% Chrysotile



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. *Estimated measurement of uncertainty is available on request.* Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Eurofins CEI recommends between 0.500 and 0.200 grams of sample material. *Any weight below 0.100 grams is considered below protocol guidelines.*

ANALYST

APPROVED BY:

Bru*milda Gjoka* Brunilda Gjoka

Tianbao Bai, Ph.D., CIH Laboratory Director



Eurofins Built Environment CEI 2752 Pleasant Road, Suite 100A Fort Mill, SC 29708

Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:		
ECEI Lab Code:	5+220002	
ECEI Lab I.D. Range		

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Ce: Maria Cao
Company: Summit ELT	Email / Tel: mcao@summit-companies.com
Address: 3575 Centre Circle	Project Name: 2005 Front St
	Project ID#: 0069.E0001
Email: envirolabs@summit-companies.com	PO #:
Tel: 704.504.1717 Fax:	STATE SAMPLES COLLECTED IN: SC

IT TAT IS NOT MADVED STANDARD 2 DAY TAT ARRIVES

TURN AROUND TIME							
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600						
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PLM BULK	CARB 435						
PCM AIR*	NIOSH 7400						
TEM AIR	EPA AHERA						
TEM AIR	NIOSH 7402						
TEM AIR (PCME)	ISO 10312						
TEM AIR	ASTM 6281-15						
TEM BULK	CHATFIELD						
TEM DUST WIPE	ASTM D6480-05 (2010)						
TEM DUST MICROVAC	ASTM D5755-09 (2014)						
TEM SOIL	ASTM D7521-16						
TEM VERMICULITE	CINCINNATI METHOD						
TEM QUALITATIVE	IN-HOUSE METHOD						
OTHER:							
REMARKS / SPECIAL IN Please only analyze the Please CC: envirolab@summ	NSTRUCTIONS: layers listed on the C					ccept Sample	
Relinguished By:	Date/Time	ne Received By: Date/Time					
Watthew Sule.	10/3/2022		(crs	L	D/3 11:4	10

Samples will be disposed of 30 days after analysis

Page _____of _

Version: CCOC.07.18.1/2.LD



SAMPLING FORM

CEI

COMPANY CONTACT INFORMATION	
Company: Summit ELT, P.C.	Job Contact: Logan Smith/A. Monk
Project Name: 2005 Front St.	Ismith@summit-companies.com
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	π	EST
RF-3	black shingle		PLM	TEM
WG-3	window glaze		PLM	TEM
FT-3	brown and red flooring		PLM	TEM METERS

Version: CCOC.07.18.2/2.LD

APPENDIX B ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith



AIRSAMPLER AS-000658 12/09/22 CONSULTBI BI-002058 11/16/22 SUPERAHERA SA-003626 12/09/22

SCDHEC ISSUED

Asbestos ID Card

Jordan Suttles



AIRSAMPLER CONSULTBI SUPERAHERA SA-003673

AS-000665 BI-002074

Expiration Date: 02/17/23 02/01/23 02/17/23

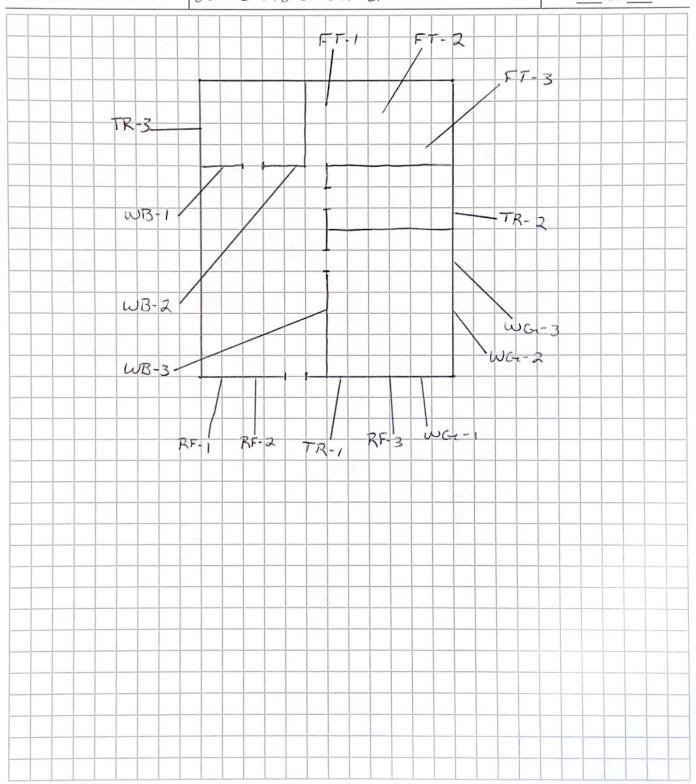
APPENDIX C SUMMIT DOCUMENTATION



PREPARED DATE: CHECKED BY: DATE: PROJECT NO:

BY: 0069, 60001

PROJECT NAME: West-End Dewolition SHEET NO
2005 Front Street ___OF__





AHERA/NESHAP ASBESTOS INSPECTION REPORT 2011 GILBERT STREET GEORGETOWN, SC

CLIENT:

City of Georgetown 1134 North Fraser Street Georgetown, SC 29440

LOCATION:

2011 Gilbert Street Georgetown, SC 29440

DATE(S) OF INSPECTION:

December 14, 2022

DATE OF REPORT:

January 18, 2023

PREPARED BY:

Logan Smith Environmental Staff Professional

SUMMIT Engineering, Laboratory and Testing, INC. **(SUMMIT)**1539 Meeting Street - Suite A
Charleston, South Carolina 29405
(843) 606-6268

SUMMIT Job No. 0069.E0001

AHERA/NESHAP ASBESTOS INSPECTION REPORT

2011 Gilbert Street Georgetown, SC

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2.0	EXECUTIVE SUMMARY
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5.0	CONCLUSIONS AND RECOMMENDATIONS
LIST O	F FIGURES
1	Site Location Map
<u>LIST O</u>	F APPENDICES
A B C	Analytical Results Asbestos Inspector's Certificates SUMMIT Documentation

1.0 REPORT CERTIFICATION

SUMMIT is pleased to provide environmental consulting services for City of Georgetown. Please contact this office at (843) 606-6268 with any questions or comments regarding the findings submitted in this report.

This document, entitled AHERA/NESHAP Asbestos Inspection Report, was prepared for City of Georgetown and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.

Logan Smith Date

SC DHEC AHERA Asbestos Building Inspector No. BI-02058

Expiration Date: December 2, 2023

SC DHEC AHERA Asbestos Air Sampler No. AS-00658

Expiration Date: December 9, 2022

SC DHEC AHERA Asbestos Supervision No. SA-03626

Expiration Date: December 1, 2023

2.0 EXECUTIVE SUMMARY

On December 14, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2011 Gilbert Street, located in Georgetown, South Carolina.

One (1) single story residential structure exists at the site address. The structure is currently vacant. The structure is intended to be demolished.

The purpose of this inspection was to investigate available records for the specification of ACM (Asbestos Containing Materials), inspect for suspect materials, sample and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. There were approximately five (5) homogeneous suspect materials observed on the structure. The homogeneous areas are described in detail in section 3.0 of this report.

The following materials sampled were found to be Asbestos Containing Materials (ACMs):

WB-1 THROUGH WB-5

The wallboard/joint compound is located throughout the structure. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 2,500 LF of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.0 SUSPECT MATERIALS

3.1 Roofing Material

RF-1, RF-2 AND RF-3

The roofing material is located on the exterior of the structure. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in SUMMIT Documentation.

3.2 Window Glazing

WG-1, WG-2 AND WG-3

The window glazing is located on the exterior of the structure. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.3 Brick/Mortar

BM-1, BM-2 AND BM-3

The brick/mortar is located on the exterior of the structure. The material is currently in damaged condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.4 Wallboard System

WB-1 THROUGH WB-5

The wallboard/joint compound is located throughout the structure. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 2,500 LF of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.5 Flooring

FL-1, FL-2 AND FL-3

The sheet flooring is located in a portion of the structure. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM? ¹ (Y/N)	APPROXIMATE QUANTITY ²
ROOFING MATERIAL	N	1,500 SF
WINDOW GLAZING	N	80 LF
BRICK AND MORTAR	N	350 CF
WALLBOARD/JOINT COMPOUND	Y	2,500 SF
FLOORING	N	1,500 SF

Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSIONS AND RECOMMENDATIONS

On December 14, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2011 Gilbert Street, located in Georgetown, South Carolina.

One (1) single story residential structure exists at the site address. The structure is currently vacant. The structure is intended to be demolished.

The following materials sampled were found to be Asbestos Containing Materials (ACMs):

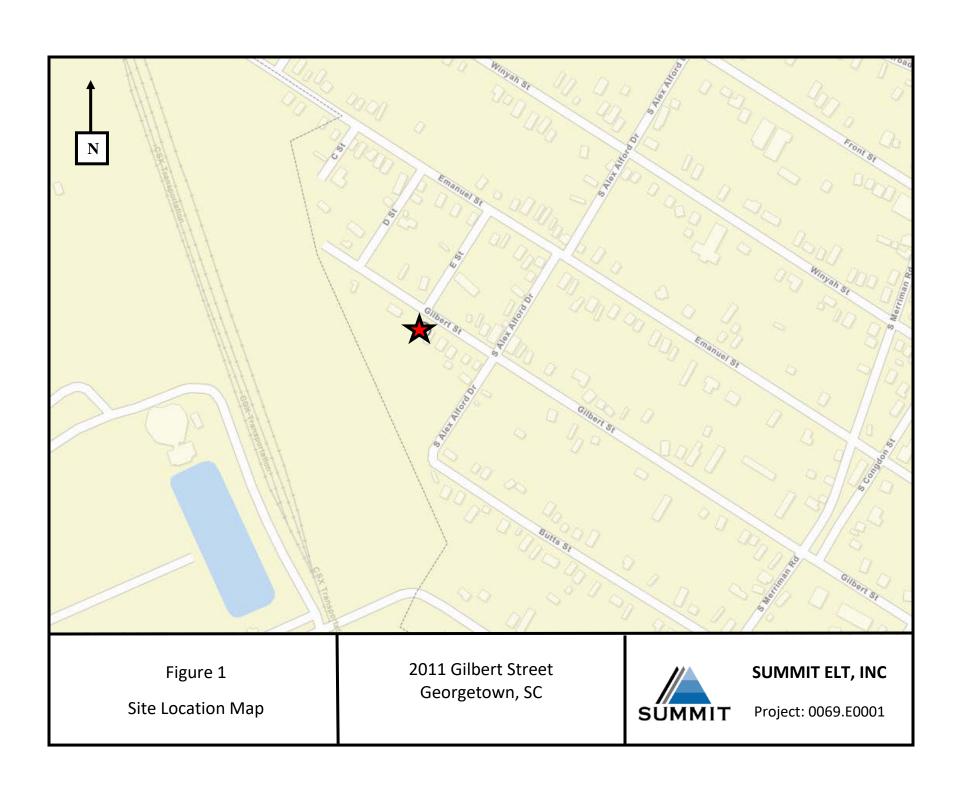
WB-1 THROUGH WB-5

The wallboard/joint compound is located throughout the structure. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 2,500 LF of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied surfacing material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES



APPENDIX A

ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: West-End Neighborhood Demo - 2011 Gilbert St.

Summit #: 2022-12-19-0069.E0001

Date Analyzed: 12/20/2022

Date Reported: 12/20/2022

Total Samples Analyzed: 23

Samples >1% Asbestos:

Method of Analysis: EPA 600 / R93 / 116 / M4-082/020



3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-12-19-0069.E0001

Phone: (704) 504-1717

Date Received: 12/19/2022

Date Analyzed: 12/20/2022

Date Reported: 12/20/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: West-End Neighborhood Demo - 2011 Gilbert St.

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

			Non-Asbestos		<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RF-1	Roofing Material	Black Fibrous	5% Glass	95% Non-fibrous (other)	None Detected
2022-12-19-0069.E0001-1		Homogeneous		,	
RF-2	Roofing Material	Black Fibrous	5% Glass	95% Non-fibrous (other)	None Detected
022-12-19-0069.E0001-2		Homogeneous			
VG-1	Window Glaze	White, Beige Non-fibrous		100% Non-fibrous (other)	None Detected
022-12-19-0069.E0001-3	\\\\'	Homogeneous		4000/ Non Channe	Nana Datastad
VG-2	Window Glaze	White, Beige Non-fibrous		100% Non-fibrous (other)	None Detected
2022-12-19-0069.E0001-4	Brick and Mortar	Homogeneous Red		100% Non-fibrous	None Detected
BM-1-Brick 2022-12-19-0069.E0001-5	Brick and Mortar	Non-fibrous Homogeneous		(other)	None Detected
BM-1-Mortar	Brick and Mortar	Gray		100% Non-fibrous	None Detected
2022-12-19-0069.E0001-5A	Brick and World	Non-fibrous Homogeneous		(other)	None Detected
3M-2-Brick	Brick and Mortar	Red		100% Non-fibrous	None Detected
2022-12-19-0069.E0001-6	Blick and Mortal	Non-fibrous Homogeneous		(other)	None Detected
BM-2-Mortar	Brick and Mortar	Gray		100% Non-fibrous	None Detected
022-12-19-0069.E0001-6A	Briok drid Mortal	Non-fibrous Homogeneous		(other)	None Beleviou
BM-3-Brick	Brick and Mortar	Red		100% Non-fibrous	None Detected
2022-12-19-0069.E0001-7	Briok and Mortal	Non-fibrous Homogeneous		(other)	None Beleeled
BM-3-Mortar	Brick and Mortar	Gray		100% Non-fibrous	None Detected
2022-12-19-0069.E0001-7A		Non-fibrous Homogeneous		(other)	
WB-1-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-12-19-0069.E0001-8		Homogeneous			
WB-1-White Joint Compound	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2022-12-19-0069.E0001-8A		Tiomogeneous			
WB-1-Beige Joint Compound	Wallboard and Joint Compound	Beige Fibrous		98% Non-fibrous (other)	2% Chrysotile
2000 40 40 0000 50004 55		Homogeneous			
2022-12-19-0069.E0001-8B WB-2-Wallboard	Wallboard and Joint	Gray, Beige	10% Cellulose	90% Non-fibrous	None Detected
2022-12-19-0069.E0001-9	Compound	Fibrous Homogeneous		(other)	

Analyst(s): Cass E. Rupert



3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-12-19-0069.E0001

Phone: (704) 504-1717

Date Received: 12/19/2022

Date Analyzed: 12/20/2022

Date Reported: 12/20/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: West-End Neighborhood Demo - 2011 Gilbert St.

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

			Non-Asbestos		<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
WB-2-White Joint Compound	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2022-12-19-0069.E0001-9A WB-2-Beige Joint	Wallboard and Joint				Positive stop (not
Compound	Compound				analyzed)
2022-12-19-0069.E0001-9B					
WB-3-Wallboard 2022-12-19-0069.E0001-10	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3-White Joint	Wallboard and Joint	White		100% Non-fibrous	None Detected
Compound 2022-12-19-0069.E0001-10A	Compound	Non-fibrous Homogeneous		(other)	
WB-3-Beige Joint	Wallboard and Joint				Positive stop (not
Compound	Compound				analyzed)
2022-12-19-0069.E0001-10B					
WB-4-Wallboard 2022-12-19-0069.E0001-11	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-4-White Joint	Wallboard and Joint	White		100% Non-fibrous	None Detected
Compound	Compound	Non-fibrous Homogeneous		(other)	None Detected
2022-12-19-0069.E0001-11A					
WB-4-Beige Joint Compound	Wallboard and Joint Compound				Positive stop (not analyzed)
2022-12-19-0069.E0001-11B					
WB-5-Wallboard 2022-12-19-0069.E0001-12	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-5-White Joint	Wallboard and Joint	White		100% Non-fibrous	None Detected
Compound	Compound	Non-fibrous Homogeneous		(other)	
2022-12-19-0069.E0001-12A	M/-IIIIIII				Desilies stee to t
WB-5-Beige Joint Compound	Wallboard and Joint Compound				Positive stop (not analyzed)
2022-12-19-0069.E0001-12B					
FL-1	Flooring	Beige, Gray, Green Fibrous	15% Cellulose	85% Non-fibrous (other)	None Detected
2022-12-19-0069.E0001-13		Homogeneous		· · ·	

Analyst(s): Cass E. Rupert



3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-12-19-0069.E0001

Phone: (704) 504-1717

Date Received: 12/19/2022

Date Analyzed: 12/20/2022

Date Reported: 12/20/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: West-End Neighborhood Demo - 2011 Gilbert St.

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

		3	<u>Non-Asbestos</u>		<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
FL-2	Flooring	Beige, Gray, Green Fibrous	15% Cellulose	85% Non-fibrous (other)	None Detected
2022-12-19-0069.E0001-14		Homogeneous		, ,	

Analyst(s): Cass E. Rupert Page 4 of 5



METHOD: EPA 600 / R93 / 116 /M4-082 / 020

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended. Results relate only to the items received by the laboratory as noted on the Chain

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Analysis is determined by Calibrated Visual Estimate (CVE). Temperature at the time of analysis (°C): 24 (Refractive index is adjusted according to temperature)

Analyst(s):

Cass E. Rupert

Approved By:

Michael Zavislak
Approved Signatory

UES Laboratories, 2520 Whitehall Park Dr. Ste. 250, Charlotte, NC Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:		
Summit Order Numb	per: 3022-17-19-0069.20001	

3575 Centre Circle, Fort Mill, SC 29715 Tel: 704-504-1717; Fax: 704-504-1125

COMPANY CONTACT	INFORMATION	11/51		N. W. KA			(man	THE STATE OF
Company: Summit ELT –	Charleston		Job Contact: L, Smith/ A. Monk					
Address: 1539 Meeting Street – Suite A			Email: L	_smith@s	ummit-con	npanies.co	om	
Charleston, SC 29405								
				@summit-	companie	s.com		
			Tel:					
Project Name: West-End I	Neighborhood Demo-2011 Gi	lbert St.	Fax:					
Project ID #: 0069.E0001			State C	ollected Ir	n: SC			
	ifferent – If Bill to is different p	olease no				on.		
	(图传》是是是语言			TUR	N AROUN	D TIME		
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY	2 Week
PLM BULK	EPA 600							
PLM Point Count (400)	EPA 600							
PCM AIR	NIOSH 7400							
TEM BULK	EPA NOB / Chatfield							
TEM AIR	AHERA 40 CFR, Part 763							
TEM Dust Wipe	ASTM D6480							
POSITIVE STOP ANALYS	BIS:							
IF	TURNAROUND TIME IS NO	OT MAR	KED ST	ANDARD	5 DAY A	PPLIES		
By submitting samples, you a	are agreeing to Summit's Terms	and Cond	itions					
					ot Samples t Samples			
Relinquished By: Date/Time			1/1	Recei	ived By:	MARSIA	Date	e/Time
I Sutt	_ 12/19/22			GV	Da		2/1/12	0948
			1	,			Ι'	

Samples will be disposed of 60 days after analysis



SAMPLING FORM

LAB USE ONLY:	SILL SAPEK	STATE OF	
Summit Order Number:		19 N	3 W

COMPANY CONTACT INFORMATION	
Company: Summit ELT – Charleston	Job Contact: L. Smith/ A. Monk
Project Name: West-End Neighborhood Demo	Lsmith@summit-companies.com
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing Material		
-2			
-3	at at		
WG-1	Window Glaze		
-2	u u		
-3	ии		
BM-1	Brick and Mortar		
-2	ии		
-3	u u		
WB-1	Wallboard/Joint Compound		
-2	нн		
-3	ии		
-4	ии		
-5	n er		
FL-1	Flooring		
-2	a a		
-3	u u		

December 28, 2022

SUMMIT Engineering, Laboratory & Testing, Inc. 3575 Centre Circle Fort Mill, SC 29715

CLIENT PROJECT: West-End Neighborhood Demo - 2011 Gilbert St., 0069.E0001

LAB CODE: ST220461

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on December 19, 2022. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH Laboratory Director

Mansas Di



ASBESTOS ANALYTICAL REPORT By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT: West-End Neighborhood Demo - 2011 Gilbert St., 0069.

E0001

LAB CODE: ST220461

TEST METHOD: Bulk Chatfield

EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 12/28/22



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Client: SUMMIT Engineering, Laboratory & Testing, Inc.

Lab Code: ST220461 **Date Received:** 12-19-22 3575 Centre Circle Date Analyzed: 12-28-22 Fort Mill, SC 29715 **Date Reported:** 12-28-22

Project: West-End Neighborhood Demo - 2011 Gilbert St., 0069.E0001

TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
RF-3 ST03168	Black Roofing Material (Shingle)	0.138	34	49.6	16.4	None Detected
WG-3 ST03169	Off-White Window Glazing	0.2359	8.8	90.7	.5	None Detected
FL-3 ST03170	White,Green Flooring	0.0275	81.1	16.7	2.2	None Detected



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI (ECEI). ECEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Estimated measurement of uncertainty is available on request and in compliance with regulatory requirements. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

ECEI recommends between 0.20 and 0.50 grams of sample material for TEM bulk analysis.

Any weight below 0.10 grams is considered below protocol guidelines.

**Indicates sample weight below 0.05 grams and is considered insufficient for quantitative analysis.

ANALYST:

APPROV

Laboratory Director

Tianbao Bai, Ph.D., CIH





CHAIN OF CUSTODY

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708

Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code:	57 220461		
ECEI Lab I.D.	. Range:		

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: Logan Smith / Tony Monk
Company: SUMMIT Engineering, Laboratory & Testing, Inc.	Email / Tel: LSmith@summit-companies.com / AMonk@summit-companies.com
Address: 3575 Centre Circle	Project Name: -2011 Gilbert SC.
Fort Mill, NC 29715	Project ID#: CCC9. Eccol
mcao@summit-companies.com; mzavislak@summit-companies.com; Billing Email:crupert@summit-companies.com;	PO #:
Tel: 803-238-1080	State of sample origin SC

ECEI standard terms are Net 30 days IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

		TURN AROUND TIME						
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY	
PLM BULK	EPA 600							
PLM POINT COUNT (400)	EPA 600							
PLM POINT COUNT (1000)	EPA 600							
PLM GRAV w POINT COUNT	EPA 600							
PLM BULK	CARB 435							
PCM AIR*	NIOSH 7400							
TEM AIR	EPA AHERA							
TEM AIR	NIOSH 7402							
TEM BULK	CHATFIELD						/	
TEM DUST WIPE	ASTM D6480-19							
TEM DUST MICROVAC	ASTM D5755-09 (2014)							
TEM SOIL	ASTM D7521-16							
OTHER:							_ 🗆 -	
TEM INSTRUCTIONS				31 12				
Begin TEM Analysis After Nega	tive PLM							
Analyze TEM Samples Simultar	eously with PLM							
REMARKS / SPECIAL IN					ccept Sampl			
Relinquished By:	Date/Time		Receiv	ved By:		Date/Time		
C. Rupert	12/19/2022		8-	1	12/15	1:20 Ru	^	

By submitting samples, you are agreeing to ECEI's Terms and Conditions. Samples will be disposed of 30 days after analysis

Version: CCOC.01.22.1/2.LM-FM



SAMPLING FORM

CEI

COMPANY CONTACT INFORMATI	ON
Company:	Job Contact: Logan Smith / Tony Monk
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TE	ST
RF-3	Roofing Material (Shingle)		PLM	TEM 🔀
WG-3	Window Glate		PLM	TEM 🔀
F/-3	Flooring		PLM	тем 🖳
	()	Celifolis 2	PLM	TEM
			PLM	TEM
			PLM	TEM
			PLM	TEM
		71	PLM	TEM
			PLM	TEM
Ziringia y	23.		PLM	TEM
			PLM	TEM
		iligat i pai	PLM	TEM
	er but c		PLM	TEM
			PLM	TEM
				0 0

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Page 2	of Z
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Version: CCOC.01.22.2/2.LM-FM

APPENDIX B

INSPECTOR'S LICENSES

SCDHEC ISSUED

Asbestos ID Card

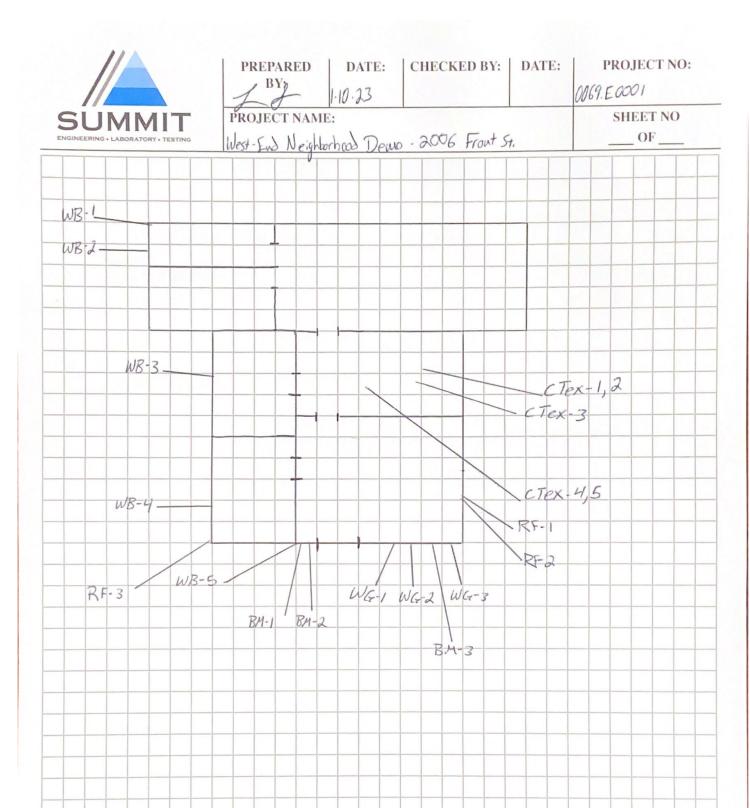
Logan Smith



AIRSAMPLER AS-000658 12/09/22 CONSULTBI BI-002058 11/16/22 SUPERAHERA SA-003626 12/09/22

APPENDIX C

SUMMIT DOCUMENTATION







AHERA/NESHAP ASBESTOS INSPECTION REPORT 2023 EMANUAL ST. RESIDENTIAL PROPERTY

CLIENT:

City of Georgetown 1134 North Fraser Street Georgetown, SC 29440

LOCATION:

2023 Emanual St. Georgetown, SC

DATE OF INSPECTION:

September 26, 2022

DATE OF REPORT:

November 7, 2022

PREPARED BY:

Logan Smith Environmental Staff Professional

SUMMIT Engineering, Laboratory & Testing, Inc. **(SUMMIT)**1539 Meeting Street - Suite A
Charleston, SC 29405
843-606-6268

SUMMIT Job No. 0069.E0001

AHERA/NESHAP ASBESTOS INSPECTION REPORT 2023 Emanual St., Georgetown, SC

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2.0	EXEC	CUTIVE SUMMARY	2
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	3.2	Cementitious Board	4
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	3.4	Brick and Mortar	4
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		<u>PENDICES</u>	
Α		alytical Results	
В		pestos Inspector's License	
\mathbf{C}	SLIN	MMIT Documentation	

1

1.0 REPORT CERTIFICATION

SUMMIT is pleased to provide environmental consulting services for City of Georgetown. Please contact this office at 843-606-6268 with any questions or comments regarding the findings submitted in this report.

This document, entitled AHERA/NESHAP Asbestos Inspection Report, was prepared for City of Georgetown, and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.

Smith	11/7/2022
Logan Smith	Date

SC DHEC AHERA Asbestos Building Inspector No. BI-02058

Expiration Date: November 16, 2022

SC DHEC AHERA Asbestos Air Sampler No. AS-00658

Expiration Date: December 9, 2022

SC DHEC AHERA Asbestos Supervisor No. SA-03626

Expiration Date: December 9, 2022

Jordan Suttles

Date

SC DHEC AHERA Asbestos Building Inspector No. BI-002074

Expiration Date: February 1, 2023

SC DHEC AHERA Asbestos Air Sampler No. AS-000665

Expiration Date: February 17, 2023

SC DHEC AHERA Asbestos Supervisor No. SA-003673

Expiration Date: February 17, 2023

2.0 EXECUTIVE SUMMARY

On September 26, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2023 Emanual St., Georgetown, South Carolina.

A one-story residential building exists at the site. The building is currently not occupied. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is intended to be demolished.

The purpose of this inspection was to investigate available records for the specification of asbestos containing material (ACM), inspect for suspect materials, sample, and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. Seven (7) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

The following Asbestos Containing Materials (ACMs) were identified within the structure:

TR-1, 2 AND 3

The cementitious board was sampled from exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 10% Chrysotile and there is approximately 1,200 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

CTEX-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 600 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

WB-1, 2 AND 3

The wallboard/joint compound was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 975 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for

damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.0 SUSPECT MATERIALS

3.1 Roofing Material

RF-1, 2 AND 3

The roofing material were sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.2 Cementitious Board

TR-1, 2 AND 3

The cementitious board was sampled from exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 10% Chrysotile and there is approximately 1,200 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.3 Window Glazing

WG-1, 2 AND 3

The window glazing was sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.4 Brick and Mortar

BM-1, 2 AND 3

The brick and mortar were sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.5 <u>Ceiling Texture</u>

CTEX-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 600 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.6 Wallboard System

WB-1, 2 AND 3

The wallboard/joint compound was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 975 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.7 Flooring Material

FT-1, 2 AND 3

The flooring material was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM (Y/N)	AMOUNT
ROOFING MATERIAL	N	1,000 SF
CEMENTITIOUS BOARD	Υ	1,200 SF
WINDOW GLAZING	N	55 LF
BRICK AND MORTAR	N	450 SF
CEILING TEXTURE	Υ	600 SF
WALLBOARD/JOINT COMPOUND	Υ	975 SF
FLOORING MATERIAL	N	400 SF

Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSIONS AND RECOMMENDATIONS

On September 26, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2023 Emanual St., Georgetown, South Carolina.

A one-story residential building exists at the site. The building is currently not occupied. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is intended to be demolished.

The following Asbestos Containing Materials (ACMs) were identified within the structure:

TR-1, 2 AND 3

The cementitious board was sampled from exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 10% Chrysotile and there is approximately 1,200 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

CTEX-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 600 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

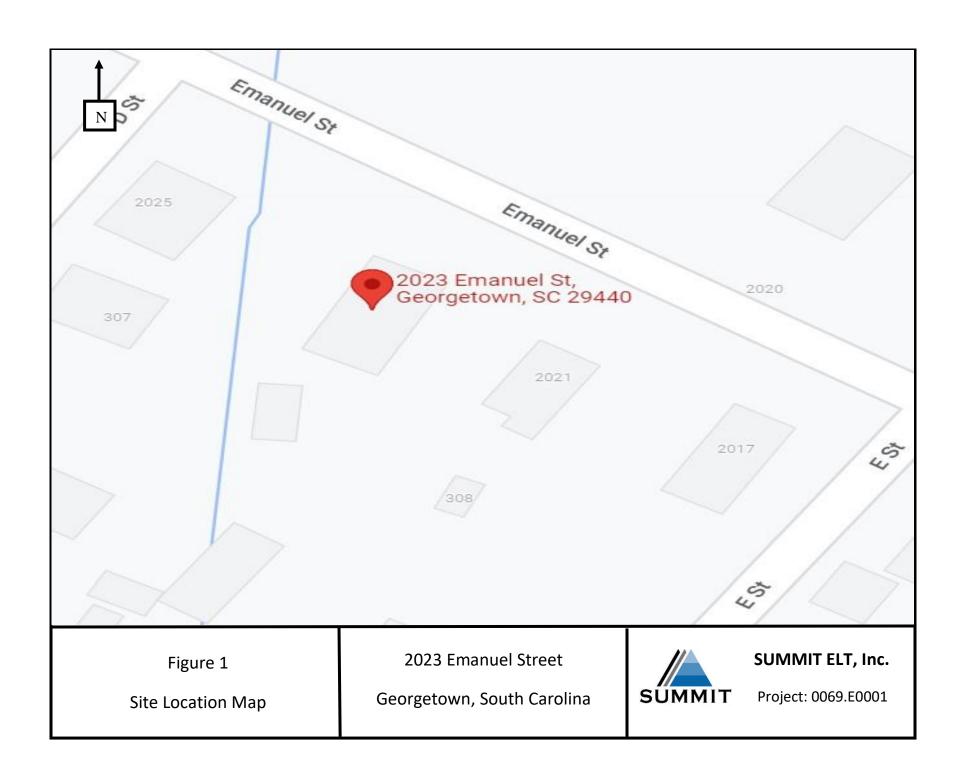
WB-1, 2 AND 3

The wallboard/joint compound was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 975 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied miscellaneous material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES



APPENDIX A ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 2023 Emanual St.

Summit #: 2022-9-29-0069.E0001

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Total Samples Analyzed: 22

Samples >1% Asbestos: 3

Method of Analysis: EPA 600/R-93/116/M4-82/020



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Fort Mill, SC 29715

Summit ELT, Inc.

3575 Centre Circle

Project: 2023 Emanual St.

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

			<u>No</u>	<u>Asbestos</u>	
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RF-1-Shingle 2022-9-29-0069.E0001-1	Roofing Material	Black, Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-1-Felt	Roofing Material	Brown Fibrous	60% Cellulose	40% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-1A		Homogeneous			
RF-2-Shingle 2022-9-29-0069.E0001-2	Roofing Material	Black, Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-2-Felt	Roofing Material	Brown	60% Cellulose	40% Non-fibrous	None Detected
2022-9-29-0069.E0001-2A	Rooning Material	Fibrous	60% Cellulose	(other)	None Detected
TR-1-Transite	Transite	Homogeneous Gray, Beige		90% Non-fibrous	10% Chrysotile
2022-9-29-0069.E0001-3	Hanoue	Fibrous Homogeneous		(other)	10% CHTySOttle
TR-1-Felt	Transite	Black Fibrous	50% Cellulose	50% Non-fibrous	None Detected
2022-9-29-0069.E0001-3A		Homogeneous		(outer)	
TR-2-Transite	Transite				Positive stop (not analyzed)
2022-9-29-0069.E0001-4					, ,
TR-2-Felt	Transite	Black Fibrous	50% Cellulose	50% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-4A		Homogeneous			
TR-3-Transite	Transite				Positive stop (not analyzed)
2022-9-29-0069.E0001-5 WG-1	Window Glazing	White, Beige		100% Non-fibrous	None Detected
2022-9-29-0069.E0001-5	Willdow Glazing	Non-fibrous Homogeneous		(other)	None Detected
WG-2	Window Glazing	White, Beige Non-fibrous		100% Non-fibrous	None Detected
2022-9-29-0069.E0001-6		Homogeneous		(501151)	
BM-1-Brick	Brick and Mortar	Red Non-fibrous		100% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-7		Homogeneous		\ /	
BM-1-Mortar	Brick and Mortar	Gray Non-fibrous		100% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-7A		Homogeneous			
BM-2-Brick	Brick and Mortar	Red Non-fibrous		100% Non-fibrous (other)	None Detected
2022-9-29-0069.E0001-8		Homogeneous			

Analyst(s): Cass E. Rupert



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: 2023 Emanual St.

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

			<u>No</u>	<u>Non-Asbestos</u>		
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos	
BM-2-Mortar	Brick and Mortar	Gray Non-fibrous		100% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-8A		Homogeneous				
BM-3-Brick	Brick and Mortar	Red Non-fibrous		100% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-9		Homogeneous				
BM-3-Mortar	Brick and Mortar	Gray Non-fibrous		100% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-9A		Homogeneous				
Ctex-1	Ceiling Texture	Beige Fibrous		98% Non-fibrous (other)	2% Chrysotile	
2022-9-29-0069.E0001-10		Homogeneous				
Ctex-2	Ceiling Texture				Positive stop (not analyzed)	
2022-9-29-0069.E0001-11						
Ctex-3	Ceiling Texture				Positive stop (not analyzed)	
2022-9-29-0069.E0001-12	Malling and and Infat	Orace Dalas	400/ Oallalaaa	000/ Non Change	News Detected	
WB-1-Wallboard 2022-9-29-0069.E0001-13	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
	Mallhaandand laint	Homogeneous		98% Non-fibrous	00/ 01	
WB-1-Joint Compound	Wallboard and Joint Compound	Beige Fibrous		(other)	2% Chrysotile	
2022-9-29-0069.E0001-13A	Compound	Homogeneous		(otner)		
WB-2-Wallboard	Wallboard and Joint	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous	None Detected	
2022-9-29-0069.E0001-14	Compound	Homogeneous		(other)		
WB-2-Joint Compound	Wallboard and Joint Compound				Positive stop (not analyzed)	
2022-9-29-0069.E0001-14A	,					
WB-3-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-15		Homogeneous				
WB-3-Joint Compound	Wallboard and Joint Compound				Positive stop (not analyzed)	
2022-9-29-0069.E0001-15A	,					
FT-1	Flooring Material	Beige, Black Non-fibrous		100% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-16		Homogeneous				
FT-2	Flooring Material	Beige, Black Non-fibrous		100% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-17		Homogeneous				

Analyst(s): Cass E. Rupert



METHOD: EPA 600/R-93/116/M4-82/020

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended. Results relate only to the items received by the laboratory as noted on the Chain of Custody.

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Analyst(s):

Cass E. Rupert

Approved By

Maria Cao,
Approved Signatory

Summit Laboratories, 3575 Centre Circle, Fort Mill, SC 29715, Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:	
Summit Order Number: 2000-9-29-0	069.80001

2520 Whitehall Park Rd – Suite 250,

_ . _ .

Charlotte, NC 28273

Tel: 704-504-1717; Fax: 704-504-1125

COMPANY CONTACT	INFORMATION	1	(ivaga)	exit					
Company:				Job Contact: L. Smith/ A. Monk					
Address:				Email: Ismith@summit-companies.org					
				Tel:		parrico.or	9		
				Fax:					
Project Name: (A) . E . N	1 - 2023 E		<l< td=""><td></td><td>ا له ماه ما ا</td><td></td><td></td><td></td><td></td></l<>		ا له ماه ما ا				
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PLM BULK	EPA 600							\boxtimes	
PLM Point Count (400)	EPA 600								
PCM AIR	NIOSH 7400								
TEM BULK	EPA NOB / Cha	tfield							
TEM AIR	AHERA 40 CFR	, Part 763							
TEM Dust Wipe	ASTM D6480								
POSITIVE STOP ANALYS	SIS: 🖾								
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				Sa	mples will	be dispos	ed of 60 d	ave after	analyeis



SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
KF.I	Rooting Material		DATE/TIME SAMPLED
- 2	81.		
3 (TEM)	11		
1K-1	Transite		
-2			
3 (TEMFO	(6)		
Wai	Window Calazing		
- 1	V V		
TO M (TEM)	7		
15/1-1	Brick + Mortar		
7	9 E		
(Tax-1			
- 2	Ceiling texture		
7	41		
(1)B-1	Wallboard	+	
-2	,'	1	
- 3	/!	1	
FT-1	Flooring material	+	
- 2	, , , , , , , , , , , , , , , , , , ,		
- 3 (TEm)	V E		
			C

October 10, 2022

SUMMIT Engineering, Laboratory & Testing, Inc. 3575 Centre Circle Fort Mill, SC 29715

CLIENT PROJECT: 2023 Emmanual St, 0069.E0001

LAB CODE: ST220250v2

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on October 3, 2022. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH Laboratory Director

Mansas Di



ASBESTOS ANALYTICAL REPORT By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT: 2023 Emmanual St, 0069.E0001

LAB CODE: ST220250v2

TEST METHOD: Bulk Chatfield

EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 10/10/22



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Lab Code:

Client: SUMMIT Engineering, Laboratory & Testing, Inc.

3575 Centre Circle
Fort Mill, SC 29715

Date Received: 10-03-22 Date Analyzed: 10-10-22 Date Reported: 10-10-22

ST220250v2

Project: 2023 Emmanual St, 0069.E0001

TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
RF-3 ST01830	Black Shingle	0.3202	22.9	53.2	23.9	None Detected
RF-3 ST01831	Felt	0.2515	91	8.8	.2	None Detected
WG-3 ST01832	Window Glaze	0.2725	15.6	81.4	3	None Detected
FT-3 ST01833	Flooring Self Stick	0.1267	29.4	70.5	.1	None Detected
TR-3 ST01834	Felt Only	0.1916	95.4	3.9	.7	<1% Chrysotile



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Estimated measurement of uncertainty is available on request. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Eurofins CEI recommends between 0.500 and 0.200 grams of sample material. Any weight below 0.100 grams is considered below protocol guidelines.

Brunilda Gjeka Brunilda Gjoka

Laboratory Director

A version indicated by 'v' after the Lab ID# with a value greater than 1 indicates an amendment has occurred. The revised sample/description/ID is indicated by an *



Eurofins Built Environment CEI 2752 Pleasant Road, Suite 100A Fort Mill, SC 29708

Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:	
ECEI Lab Code: ST220250	
ECEI Lab I.D. Range:	

COMPANY INFORMATION	PROJECT INFORMATION		
ECEI CLIENT #:	Ce: Maria Cao		
Company: Summit ELT	Email / Tel: mcao@summit-companies.com		
Address: 3575 Centre Circle	Project Name: 2023 Emmanual St		
	Project ID#: 0069.E0001		
Email: envirolabs@summit-companies.com	PO #:		
Tel: 704.504.1717 Fax:	STATE SAMPLES COLLECTED IN: SC		

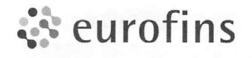
IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

				TURN AR	OUND TIME		
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600						
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PLM BULK	CARB 435						
PCM AIR*	NIOSH 7400						
TEM AIR	EPA AHERA						
TEM AIR	NIOSH 7402						
TEM AIR (PCME)	ISO 10312						
TEM AIR	ASTM 6281-15						
TEM BULK	CHATFIELD						Z.
TEM DUST WIPE	ASTM D6480-05 (2010)						
TEM DUST MICROVAC	ASTM D5755-09 (2014)						
TEM SOIL	ASTM D7521-16						
TEM VERMICULITE	CINCINNATI METHOD						
TEM QUALITATIVE	IN-HOUSE METHOD						
OTHER:							
Remarks should be taken from the same so REMARKS / SPECIAL IN Please only analyze the la Please CC: envirolab@summi	STRUCTIONS: ayers listed on the C					ccept Sampl	
					_ K	Reject Sample	28
Relinguished By:	Date/Time		Receiv	red By:		Date/Time	
Watthew Suits-	10/3/2022		CRB	0	10/3	11:40	

By submitting samples, you are agreeing to ECEI's Terms and Conditions. Samples will be disposed of 30 days after analysis

Page _____of ____

Version: CCOC.07.18.1/2.LD



SAMPLING FORM

CEI

COMPANY CONTACT INFORMATION				
Company: Summit ELT, P.C.	Job Contact: Logan Smith/A. Monk			
Project Name: 2023 Emmanual St.	Ismith@summit-companies.com			
Project ID #: 0069.E0001	Tel:			

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA		TE	EST	
RF-3	black shingle and felt		PLM		TEM	
WG-3	window glaze		PLM		TEM	
FT-3	flooring self stick		PLM		TEM	

Version: CCOC.07.18.2/2.LD



SAMPLING FORM

CEI

COMPANY CONTACT INFORMATION						
Company:	Job Contact: Maria Cao / Cass Rupert					
Project Name: 2023 Emanual St.						
Project ID #: 0069.E0001	Tel:					

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	1	TEST
TR-3	Felt Only		PLM	TEM ×
			PLM	TEM
			PLM	TEM
		4	PLM	TEM
			PLM	TEM
Control of the Control			PLM	TEM
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		· Tourse	PLM	TEM
			PLM	TEM

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Page 2	of Z	

Version: CCOC.01.22.2/2.LM-FM

APPENDIX B ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Jordan Suttles



AIRSAMPLER CONSULTBI SUPERAHERA SA-003673

AS-000665 BI-002074

Expiration Date: 02/17/23 02/01/23 02/17/23

SCDHEC ISSUED

Asbestos ID Card

Logan Smith



AIRSAMPLER AS-000658 12/09/22 CONSULTBI BI-002058 11/16/22 SUPERAHERA SA-003626 12/09/22

APPENDIX C SUMMIT DOCUMENTATION



PREPARED DATE: CHECKED BY: DATE: PROJECT NO:

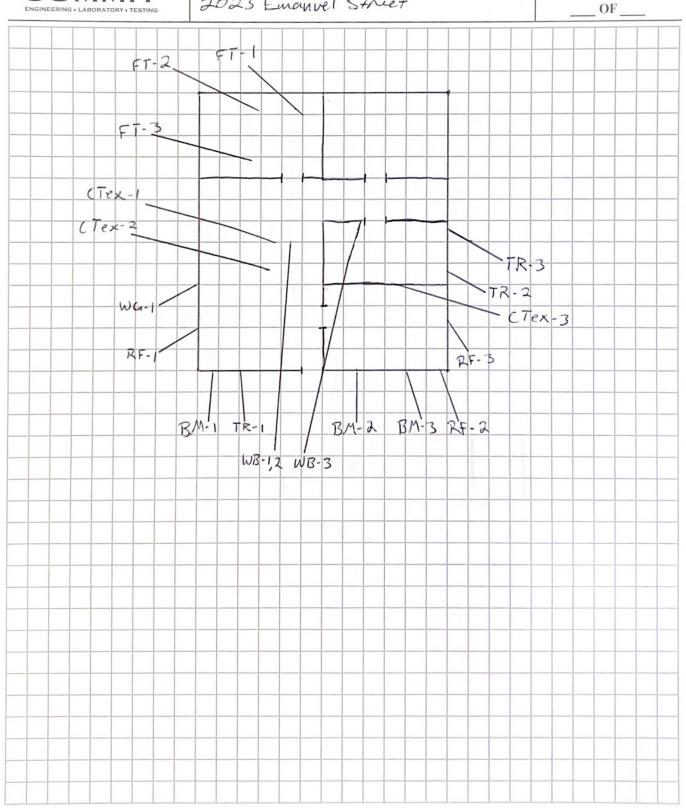
BY:

10.28.22

PROJECT NAME: West-End Demolition

2023 Emanuel Street

OF





AHERA/NESHAP ASBESTOS INSPECTION REPORT 2203 WINYAH STREET GEORGETOWN, SC

CLIENT:

City of Georgetown 1134 North Fraser Street Georgetown, SC 29440

LOCATION:

2203 Winyah Street Georgetown, SC 29440

DATE(S) OF INSPECTION: February 16, 2023

DATE OF REPORT: February 28, 2023

PREPARED BY:

Julian Lago

Environmental Staff Professional

SUMMIT Engineering, Laboratory and Testing, INC. (SUMMIT) 1539 Meeting Street - Suite A Charleston, South Carolina 29405 (843) 606-6268

SUMMIT Job No. 0069.E0001

AHERA/NESHAP ASBESTOS INSPECTION REPORT

2203 Winyah Street Georgetown, SC

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5.0	CONCLUSIONS AND RECOMMENDATIONS6
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1	Site Location Map
<u>LIST O</u>	<u>APPENDICES</u>
A B C	Analytical Results Asbestos Inspector's Certificates SUMMIT Documentation

1.0 REPORT CERTIFICATION

SUMMIT is pleased to provide environmental consulting services for City of Georgetown. Please contact this office at (843) 606-6268 with any questions or comments regarding the findings submitted in this report.

This document, entitled AHERA/NESHAP Asbestos Inspection Report, was prepared for City of Georgetown and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.

Julian P. Zago

2/28/2023 Date

Julian P. Lago

SC DHEC AHERA Asbestos Building Inspector No. BI-01697

Expiration Date: April 7, 2023

SC DHEC AHERA Asbestos Air Sampler No. AS-00551

Expiration Date: April 6, 2023

SC DHEC AHERA Asbestos Supervisor No. SA-02985

Expiration Date: April 6, 2023

SC DHEC AHERA Asbestos Management Planner No. MP-00262

Expiration Date: April 7, 2023

SC DHEC AHERA Asbestos Project Designer No. PD-00202

Expiration Date: April 5, 2023

2.0 EXECUTIVE SUMMARY

On February 16, 2023, SUMMIT Engineering, Laboratory & Testing, Inc. (SUMMIT) performed an AHERA/NESHAP Asbestos Inspection for 2203 Winyah Street, located in Georgetown, South Carolina.

One (1) dilapidated residential structure exists at the site address. The roof of the structure has collapsed into the interior. The structure is currently vacant. The structure is intended to be demolished.

The purpose of this inspection was to investigate available records for the specification of ACM (Asbestos Containing Materials), inspect for suspect materials, sample, and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. There were approximately four (4) homogeneous suspect materials observed on the structure. The homogeneous areas are described in detail in section 3.0 of this report.

The following materials sampled were found to be Asbestos Containing Materials (ACMs):

WB-1, WB-2 AND WB-3

The wallboard/joint compound is located throughout the structure. The material is currently in damaged condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 700 SF of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

RS-1, RS-2 AND RS-3

The roof of the structure has collapsed and the asphalt roofing shingles are located throughout the structure. The material is currently in significantly damaged condition and is non-friable with a high potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 800 SF of the material. The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

Due to the collapsed condition of the roof and the ACM asphalt roofing shingles located throughout the structure, all materials shall be treated and disposed of as RACM.

3.0 SUSPECT MATERIALS

3.1 <u>Wallboard System</u>

WB-1, WB-2 AND WB-3

The wallboard/joint compound is located throughout the structure. The material is currently in damaged condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 700 SF of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.2 Plaster System

PLS-1, PLS-2 AND PLS-3

The plaster material is located throughout the structure. The material is currently in significantly damaged condition and is friable with a high potential for damage. The material was sampled, and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.3 <u>Cinder Block</u>

CB-1, CB-2 AND CB-3

The cinder block is located throughout the structure. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled, and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.4 Roofing

RS-1, RS-2 AND RS-3

The roof of the structure has collapsed and the asphalt roofing shingles are located throughout the structure. The material is currently in significantly damaged condition and is non-friable with a high potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 800 SF of the material. The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

Due to the collapsed condition of the roof and the ACM asphalt roofing shingles located throughout the structure, all materials shall be treated and disposed of as RACM.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM? ¹ (Y/N)	APPROXIMATE QUANTITY ²
WALLBOARD/JOINT COMPOUND	Υ	700 SF
PLASTER	N	750 SF
CINDER BLOCK	N	1,200 SF
ASPHALT ROOFING SHINGLES	Υ	800 SF

Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSIONS AND RECOMMENDATIONS

On February 16, 2023, SUMMIT Engineering, Laboratory & Testing, Inc. (SUMMIT) performed an AHERA/NESHAP Asbestos Inspection for 2203 Winyah Street, located in Georgetown, South Carolina.

One (1) dilapidated residential structure exists at the site address. The roof of the structure has collapsed into the interior. The structure is currently vacant. The structure is intended to be demolished.

WB-1, WB-2 AND WB-3

The wallboard/joint compound is located throughout the structure. The material is currently in damaged condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 700 SF of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

RS-1, RS-2 AND RS-3

The roof of the structure has collapsed and the asphalt roofing shingles are located throughout the structure. The material is currently in significantly damaged condition and is non-friable with a high potential for damage. The material was sampled and the results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 800 SF of the material. The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

Due to the collapsed condition of the roof and the ACM asphalt roofing shingles located throughout the structure, all materials shall be treated and disposed of as RACM.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied surfacing material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES



APPENDIX A

ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 2203 Winyah Street

Summit #: 2023-2-17-0069.E0001

Date Analyzed: 2/21/2023

Date Reported: 2/21/2023

Total Samples Analyzed: 11

Samples >1% Asbestos: 2

Method of Analysis: App E to Sub E. of 40 CFR Part 763 and

EPA/600/R-93/116



2520 Whitehall Park Dr., Ste. 250

Phone: (704) 626.0834

UES Order: 2023-2-17-0069.E0001

Date Received: 2/17/2023 Summit ELT, Inc. Date Analyzed: 2/21/2023 3575 Centre Circle Fort Mill, SC 29715 Date Reported: 2/21/2023

Project: 2203 Winyah Street

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

			<u>No</u>	n-Asbestos	<u>Asbestos</u>	
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos	
WB-1-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-1		Homogeneous		2007 11 411		
WB-1-Joint Compound	Wallboard and Joint Compound	White Fibrous		98% Non-fibrous (other)	2% Chrysotile	
2023-2-17-0069.E0001-1A		Homogeneous				
WB-2-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-2		Homogeneous				
WB-2-Joint Compound	Wallboard and Joint Compound				Positive stop (not analyzed)	
2023-2-17-0069.E0001-2A	•				• •	
WB-3-Wallboard	Wallboard and Joint Compound	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-3		Homogeneous				
WB-3-Joint Compound	Wallboard and Joint Compound				Positive stop (no analyzed)	
2023-2-17-0069.E0001-3A	·					
PLS-1	Plaster	Gray, Beige Fibrous		100% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-4		Homogeneous				
PLS-2	Plaster	Gray, Beige Fibrous		100% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-5		Homogeneous		(otner)		
PLS-3	Plaster	Gray, Beige		100% Non-fibrous	None Detected	
		Fibrous		(other)		
2023-2-17-0069.E0001-6		Homogeneous				
CB-1	Cinder Block	Gray, White Non-fibrous		100% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-7		Homgoeneous		,		
CB-2	Cinder Block	Gray, White Non-fibrous		100% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-8		Homgoeneous		(/		
CB-3	Cinder Block	Gray, White Non-fibrous		100% Non-fibrous (other)	None Detected	
2023-2-17-0069.E0001-9		Homgoeneous		(55.)		
RS-1	Roofing Shingles	Black Fibrous		98% Non-fibrous (other)	2% Chrysotile	
2023-2-17-0069.E0001-10		Homoenoeus		(otrier)		
RS-2	Roofing Shingles				Positive stop (no	
2023-2-17-0069.E0001-11					analyzed)	

Page 2 of 4 Analyst(s): Cass E. Rupert



2520 Whitehall Park Dr., Ste. 250

Phone: (704) 626.0834

UES Order: 2023-2-17-0069.E0001

Date Received: 2/17/2023 Summit ELT, Inc. Date Analyzed: 2/21/2023 3575 Centre Circle Fort Mill, SC 29715 Date Reported: 2/21/2023

Project: 2203 Winyah Street

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

				Non-Asbestos	<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RS-3	Roofing Shingles				Positive stop (not analyzed)
2023-2-17-0069.E0001-12					

Page 3 of 4 Analyst(s): Cass E. Rupert



METHOD: App E to Sub E. of 40 CFR Part 763 and EPA/600/R-93/116

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended. The percentage of asbestos reported is a midpoint within an acceptable range. The estimated measurement of uncertainty is available upon request. Results relate only to the items received by the laboratory as noted on the Chain of Custody provided by the client.

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Analysis is determined by Calibrated Visual Estimate (CVE). Temperature at the time of analysis (°C): 25

NVLAP Code: 600344

Analyst(s)

Cass E. Rupert

Approved By:

Maria Cao Approved Signatory

UES Laboratories, 2520 Whitehall Park Dr. Ste. 250, Charlotte, NC Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:	200
UES Order Number: 2023 - 2-17-0069 60001	8

2520 Whitehall Park Dr. Ste. 250

Tel: 704-504-1717; Fax: 704-504-1125

		20102				Tell V			
COMPANY CONTACT I			917			Provide to	1.33	ISM S	The state of
Company: Summit ELT - Charleston				Job Contact: J.				Lago /	A. Monk
Address: 1539 Meeting Street - Suite A				Email: Jlago@summit-companies.com					nies.com
Charleston,	SC 29405					Amonk@)summit-	-compa	nies.com
				Tel:					
Project Name:	2203 Winyah Stre	et		Fax:					
Project ID #:	0069.E0001				ollected In	n:	S	SC	
	ifferent – If Bill to is differe	ent ple	ase no				on.		
			TURN AROUND TIME						
ASBESTOS	METHOD		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY	2 Week
PLM BULK	EPA 600							V	
PLM Point Count (400)	EPA 600								
PCM AIR	NIOSH 7400								
TEM BULK	EPA NOB / Chatfield		1.4	1518/P					
TEM AIR	AHERA 40 CFR, Part 7	63							
TEM Dust Wipe	ASTM D6480								
POSITIVE STOP ANALYS	SIS: V								100
IF	TURNAROUND TIME I	S NO	ΓMAR	KED ST	ANDARD	5 DAY A	PPLIES		
By submitting samples, you a	are agreeing to UES Terms a	and Co	nditions	1					
COMMENTS:					7				
Notify SAI if TEM red	quired.					0		•	ot Samples t Samples
Relinquishe	d By:	ate/Ti	me	N	Regei	ved By:	NEW TOWN	Dat	e/Time
Julian Lago	2-1	16-2	023	(1)	~//	m		1 1	3 100
3.10			76	V					

Samples will be disposed of 60 days after analysis



LAB USE ONLY:				o and we
UES Order Number:	N U. S. C.	la di	3/49	

COMPANY CONTACT INFORMATION				
Company: Summit ELT - Charleston	Job Contact: J. Lago / A. Monk			
Project Name: 2203 Winyah Street				
Project ID #: 0069.E0001	Tel:			

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
WB-1	WALLBOARD / JOINT COMPOUND	HA-1	2-16-2023
-2	II .	"	п
-3	11	11	II
PLS-1	PLASTER	HA-2	н
-2	11	n	11
-3	11		1)
CB-1	CINDER BLOCK	HA-3	"
-2	н	н	11
-3	и	н	11
RS-1	ROOFING SHINGLES	HA-4	11
-2	11	"	11
	2		
		-	

APPENDIX B

INSPECTOR'S LICENSES

SCDHEC ISSUED Asbestos ID Card

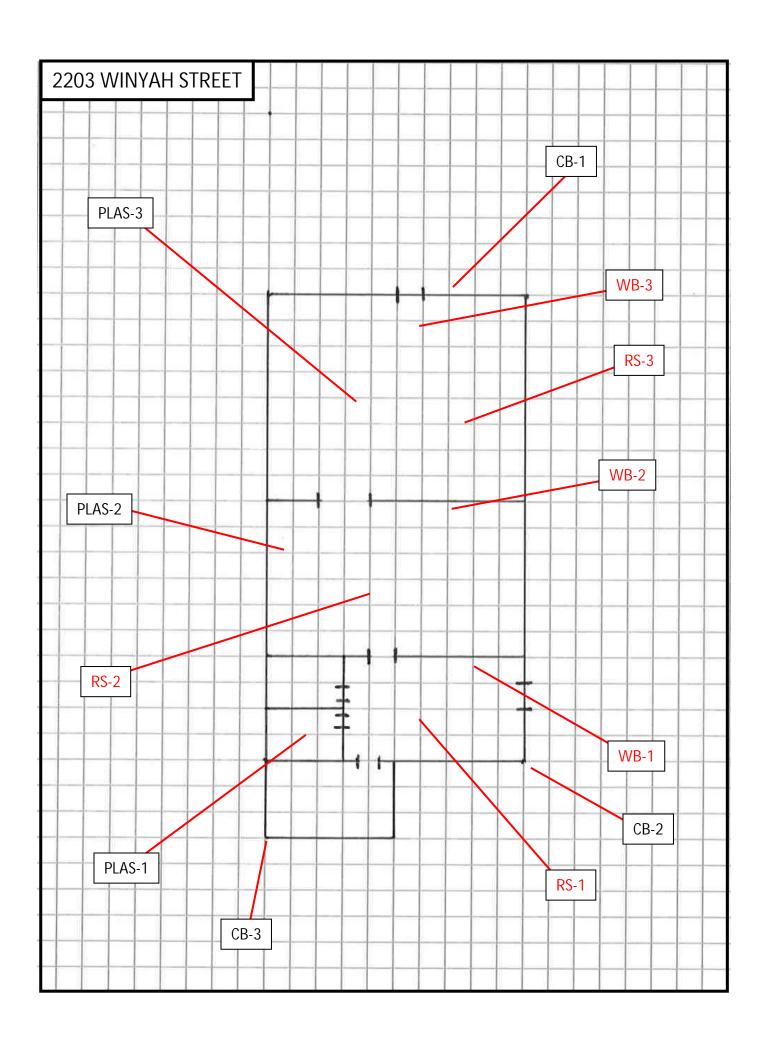
Julian Lago



		expiration vale
AIRSAMPLER	AS-00551	04/06/23
CONSULTBI	BI-01697	04/07/23
CONSULTMP	MP-00262	04/07/23
CONSULTPD	PD-00202	04/05/23
SUPERAHERA	SA-02985	04/06/23

APPENDIX C

SUMMIT DOCUMENTATION





AHERA/NESHAP ASBESTOS INSPECTION REPORT 2314 WINYAH ST. RESIDENTIAL PROPERTY

CLIENT:

City of Georgetown 1134 North Fraser Street Georgetown, SC 29440

LOCATION:

2314 Winyah St. Georgetown, SC

DATE OF INSPECTION:

November 14, 2022

DATE OF REPORT:

January 20, 2023

PREPARED BY:

Logan Smith Environmental Staff Professional

SUMMIT Engineering, Laboratory & Testing, Inc. **(SUMMIT)**1539 Meeting Street - Suite A
Charleston, SC 29405
843-606-6268

SUMMIT Job No. 0069.E0001

AHERA/NESHAP ASBESTOS INSPECTION REPORT 2314 Winyah St., Georgetown, SC

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2.0	EXEC	CUTIVE SUMMARY	2
3.0	SUSF	PECT MATERIALS	4
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	3.5	Ceiling Texture	5
	3.6	Wallboard	5
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1.0	Site I	Location Map	
LIST (PENDICES	
Α		alytical Results	
В	Asb	pestos Inspector's License	
\mathbf{C}	SLIN	MMIT Documentation	

1

1.0 REPORT CERTIFICATION

SUMMIT is pleased to provide environmental consulting services for City of Georgetown. Please contact this office at 843-606-6268 with any questions or comments regarding the findings submitted in this report.

This document, entitled AHERA/NESHAP Asbestos Inspection Report, was prepared for City of Georgetown, and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.

Logan Smith Date

SC DHEC AHERA Asbestos Building Inspector No. BI-02058

Expiration Date: November 16, 2022

SC DHEC AHERA Asbestos Air Sampler No. AS-00658

Expiration Date: December 9, 2022

SC DHEC AHERA Asbestos Supervision No. SA-03626

Expiration Date: December 9, 2022

2.0 EXECUTIVE SUMMARY

On November 14, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2314 Winyah St., Georgetown, South Carolina.

A residential property exists at the site. The inspection was performed on the one-story building within the site. The building was not occupied at the time of the inspection. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is intended to be demolished.

The purpose of this inspection was to investigate available records for the specification of asbestos containing material (ACM), inspect for suspect materials, sample, and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. Eight (8) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

The following Asbestos Containing Materials (ACMs) were identified within the structure:

WG-1, 2 AND 3

The window glazing was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 80 LF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

CM-1, 2 AND 3

The cementitious board was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 1,300 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

CTEX-2-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 250 SF of the material. The material is classified as a

friable, surfacing material and is in good condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

WB-1, 2, 3, 4 AND 5

The wallboard was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 2,000 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.0 SUSPECT MATERIALS

3.1 Roofing Material

RF-1, 2 AND 3

The roofing material were sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.2 <u>Brick and Mortar</u>

BM-1, 2 AND 3

The brick and mortar were sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.3 Window Glazing

WG-1, 2 AND 3

The window glazing was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 80 LF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.4 Cementitious Board

CM-1, 2 AND 3

The cementitious board was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 1,300 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.5 <u>Ceiling Texture</u>

CTEX-1-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a friable, surfacing material and is in damaged condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

CTEX-2-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 250 SF of the material. The material is classified as a friable, surfacing material and is in damaged condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

All ceiling texture is to be treated as Asbestos Containing Material (ACM).

3.6 Wallboard

WB-1, 2, 3, 4 AND 5

The wallboard was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 2,000 SF of the material. The material is classified as a friable, surfacing material and is in damaged condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.7 Flooring

FT-1, 02 AND 03

The flooring material was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in damaged condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM (Y/N)	AMOUNT
ROOFING MATERIAL	N	1,200 SF
BRICK AND MORTAR	N	1,000 SF
WINDOW GLAZING	Υ	80 LF
CEMENTITIOUS BOARD	Υ	1,300
CEILING TEXTURE 1	N	800 SF
CEILING TEXTURE 2	Υ	250 SF
WALLBOARD	N	2,000 SF
FLOORING	N	600 SF

Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSIONS AND RECOMMENDATIONS

On November 14, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2314 Winyah St., Georgetown, South Carolina.

A residential property exists at the site. The inspection was performed on the one-story building within the site. The building was not occupied at the time of the inspection. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is intended to be demolished.

The following Asbestos Containing Materials (ACMs) were identified within the structure:

WG-1, 2 AND 3

The window glazing was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 80 LF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

CM-1, 2 AND 3

The cementitious board was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 20% Chrysotile and there is approximately 1,300 SF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

CTEX-2-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 250 SF of the material. The material is classified as a friable, surfacing material and is in good condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

WB-1, 2, 3, 4 AND 5

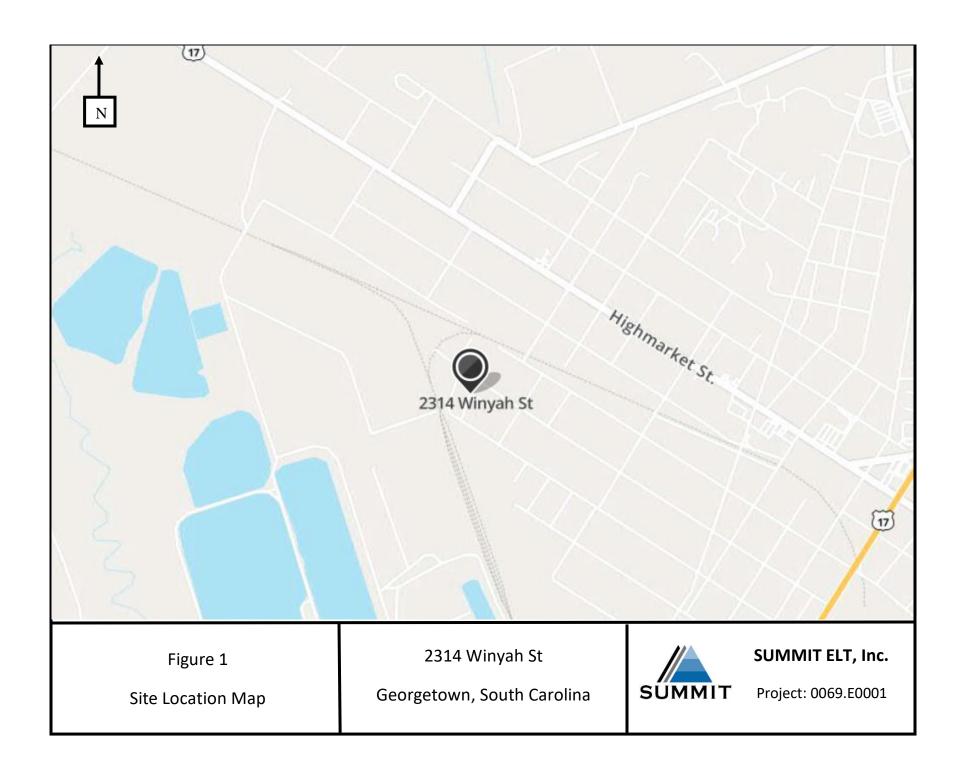
The wallboard was sampled from the interior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 2,000 SF of the material. The material is classified as a

friable, surfacing material and is in good condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied miscellaneous material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES



APPENDIX A ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: West-End Neighborhood Demo - 2314 Winyah St.

Summit #: 2022-11-28-0069.E0001

Date Analyzed: 11/28/2022

Date Reported: 11/28/2022

Total Samples Analyzed: 28

Samples >1% Asbestos: 4

Method of Analysis: EPA 600 / R93 / 116 / M4-082/020



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-11-21-0069.E0001

Phone: (704) 504-1717

Date Received: 11/21/2022

Date Analyzed: 11/28/2022

Date Reported: 11/28/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: West-End Neighborhood Demo - 2314 Winyah St.

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

			<u>Noi</u>	n-Asbestos	<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RF-1-Shingle	Roofing Material	Black, Gray Fibrous	5% Glass	95% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-1		Homogeneous			
RF-1-Felt	Roofing Material	Black	60% Cellulose	40% Non-fibrous	None Detected
2022-11-21-0069.E0001-1A		Fibrous		(other)	
RF-2-Shingle	Roofing Material	Homogeneous Black, Gray	5% Glass	95% Non-fibrous	None Detected
Ki -2-Shirigle	Rooming Material	Fibrous	370 Glass	(other)	None Detected
2022-11-21-0069.E0001-2		Homogeneous		(otrior)	
RF-2-Felt	Roofing Material	Black	60% Cellulose	40% Non-fibrous	None Detected
	J	Fibrous		(other)	
2022-11-21-0069.E0001-2A		Homogeneous			
3M-1-Brick	Brick and Mortar	Red		100% Non-fibrous	None Detected
		Non-fibrous		(other)	
2022-11-21-0069.E0001-3		Homogeneous			
BM-1-Mortar	Brick and Mortar	White		100% Non-fibrous	None Detected
		Non-fibrous		(other)	
022-11-21-0069.E0001-3A	D. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Homogeneous		4000/ N	N 5
BM-2-Brick	Brick and Mortar	Red Non-fibrous		100% Non-fibrous	None Detected
2022-11-21-0069.E0001-4		Homogeneous		(other)	
BM-2-Mortar	Brick and Mortar	White		100% Non-fibrous	None Detected
JW Z World	Briok and Mortai	Non-fibrous		(other)	None Beleeted
2022-11-21-0069.E0001-4A		Homogeneous		(00.)	
3M-3-Brick	Brick and Mortar	Red		100% Non-fibrous	None Detected
		Non-fibrous		(other)	
2022-11-21-0069.E0001-5		Homogeneous			
BM-3-Mortar	Brick and Mortar	White		100% Non-fibrous	None Detected
		Non-fibrous		(other)	
:022-11-21-0069.E0001-5A		Homogeneous			
VG-1	Window Glazing	Beige, White		98% Non-fibrous	2% Chrysotile
0000 44 04 0000 50004 0		Fibrous		(other)	
022-11-21-0069.E0001-6 VG-2	Window Olonian	Homogeneous			Desitive standard
WG-2	Window Glazing				Positive stop (not analyzed)
2022-11-21-0069.E0001-7					analyzeu)
VG-3	Window Glazing				Positive stop (not analyzed)
2022-11-21-0069.E0001-8					, ,
CM-1	Cementitious Board	White, Gray Fibrous		80% Non-fibrous (other)	20% Chrysotile
2022-11-21-0069.E0001-9		Homogeneous		,	

Analyst(s): Cass E. Rupert



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-11-21-0069.E0001

Phone: (704) 504-1717

Date Received: 11/21/2022

Date Analyzed: 11/28/2022

Date Reported: 11/28/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: West-End Neighborhood Demo - 2314 Winyah St.

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

			<u>Nor</u>	n-Asbestos	<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
CM-2 2022-11-21-0069.E0001-10	Cementitious Board				Positive stop (not analyzed)
CM-3	Cementitious Board				Positive stop (not analyzed)
2022-11-21-0069.E0001-11					, ,
WB-1-Wallboard	Wallboard and Joint Compound	White, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-12		Homogeneous		4000/ 11 (11	
WB-1-Joint Compound	Wallboard and Joint Compound	Off-white Non-fibrous		100% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-12A		Homogeneous	1001 0 11 1	2007 11 (1)	
WB-2-Wallboard	Wallboard and Joint Compound	White, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-13		Homogeneous			
WB-2-Joint Compound	Wallboard and Joint Compound	Off-white Non-fibrous		100% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-13A		Homogeneous			
WB-3-Wallboard	Wallboard and Joint Compound	White, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-14		Homogeneous			
WB-3-Joint Compound	Wallboard and Joint Compound	Off-white Non-fibrous		100% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-14A		Homogeneous			
WB-4-Wallboard	Wallboard and Joint Compound	White, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-15		Homogeneous			
WB-4-Joint Compound	Wallboard and Joint Compound	Off-white Non-fibrous		98% Non-fibrous (other)	2% Chrysotile
2022-11-21-0069.E0001-15A		Homogeneous			
WB-5-Wallboard	Wallboard and Joint Compound	White, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-16	'	Homogeneous		,	
WB-5-Joint Compound	Wallboard and Joint Compound	Off-white Non-fibrous		100% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-16A		Homogeneous		(/	
CTex 1-1	Ceiling Texture	White Non-fibrous		100% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-17		Homogeneous		(5)	
CTex 1-2	Ceiling Texture	White Non-fibrous		100% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-18		Homogeneous		(Other)	

Analyst(s): Cass E. Rupert



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-11-21-0069.E0001

Phone: (704) 504-1717

Date Received: 11/21/2022

Date Analyzed: 11/28/2022

Date Reported: 11/28/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: West-End Neighborhood Demo - 2314 Winyah St.

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

			<u>No</u>	n-Asbestos	<u>Asbestos</u>
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
CTex 1-3	Ceiling Texture	White Non-fibrous		100% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-19		Homogeneous			
CTex 2-1	Ceiling Texture	Off-white Fibrous		98% Non-fibrous (other)	2% Chrysotile
2022-11-21-0069.E0001-20		Homogeneous		(otner)	
CTex 2-2	Ceiling Texture				Positive stop (not analyzed)
2022-11-21-0069.E0001-21					• ,
CTex 2-3	Ceiling Texture				Positive stop (not analyzed)
2022-11-21-0069.E0001-22					, ,
FL-1	Flooring	Cream, Beige Fibrous	12% Cellulose	88% Non-fibrous (other)	None Detected
2022-11-21-0069.E0001-23		Homogeneous		(====)	
FL-2	Flooring	Cream, Beige	12% Cellulose	88% Non-fibrous	None Detected
2022-11-21-0069.E0001-24		Fibrous Homogeneous		(other)	

Analyst(s): Cass E. Rupert Page 4 of 5



METHOD: EPA 600 / R93 / 116 /M4-082 / 020

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended. Results relate only to the items received by the laboratory as noted on the Chain

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Analysis is determined by Calibrated Visual Estimate (CVE). Temperature at the time of analysis (°C): 24 (Refractive index is adjusted according to temperature)

Analyst(s):

Cass E. Rupert

Approved By:

Michael Zavislak
Approved Signatory

UES Laboratories, 2520 Whitehall Park Dr. Ste. 250, Charlotte, NC Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:			
Summit Order Number: 200	Q-11-2	21-006	YOURS.F

2520 Whitehall Park Dr – Suite 250, Charlotte, SC 28273

Tel: 704-626-0834; Fax: 704-504-1125

COMI ANT CONTACT	INFORMATION						-Nilla V	
Company: Summit ELT			Job Contact: L. Smith/ A. Monk					
Address: 1539 Meeting S	treet – Suite A		Email: a	ımonk@sı	ımmit-com	npanies.co	om	
			Tel: 704	.965.9235	5 18 1			
			Fax:					
Project Name: West-End	Neighborhood Demo			ollected In	: SC			
Project ID #: 0069.E0001								
Sill to: L. Same L. D	ifferent – If Bill to is different p	olease no	otate in th	ne comme	ents sectio	on.		74(
				TURN	AROUN	DTIME		Ser.
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY	2 Week
PLM BULK	EPA 600						×	
PLM Point Count (400)	EPA 600				11.13			
PCM AIR	NIOSH 7400							
TEM BULK	EPA NOB / Chatfield							
TEM AIR	AHERA 40 CFR, Part 763				1.4			
	ASTM D6480							
TEM Dust Wipe	NOTHI BOTO							
POSITIVE STOP ANALYS								
POSITIVE STOP ANALY		OT MAR	KED ST	ANDARD	5 DAY A	PPLIES		
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POSITIVE STOP ANALYS IF y submitting samples, you COMMENTS: Send 1	TURNAROUND TIME IS Nare agreeing to Summit's Terms TEM to lab of choice. Thyah Ted By: Date				5 DAY A	1	Reject	•
POSITIVE STOP ANALYS IF By submitting samples, you completely samples and the sample of the sample	TURNAROUND TIME IS Nare agreeing to Summit's Terms TEM to lab of choice.	and Cond				1	Reject	Sample



SAMPLING FORM

LAB USE ONLY:	
Summit Order Number:	The same

COMPANY CONTACT INFORMATION		
Company: Summit ELT	Job Contact: L. Smith/ A. Monk	
Project Name: West-End Neighborhood Demo	(4.5	
Project ID #: 0069.E0001	Tel:704.965.9235	

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing Material		
` 2	3 /.		
- 3	18		
BM-1	Brick + Mortar		
<i>-</i> 2	/		
- 3	11	(4)	
WGe-1	Window Cylaziny		
- 2			
- 3	13		
(M-1	Comentitions Board		
- 2	(1)		
-3	11		
WB-1	Wallbrard / Joint compand		
- 2			
- 3	(1		
- 4	()		
	,		
(Tex-1-1	Ceiling Texture		
-1-2			
-1-3	(1)		
(Tex-2-1	Ceiling Texture	25	X 1 X 1
- 2-2 - 2-3	1		Α
-2-3			
FL-1	Flooring		
- 2			
3	"		
			l,

November 22, 2022

SUMMIT Engineering, Laboratory & Testing, Inc. 3575 Centre Circle Fort Mill, SC 29715

CLIENT PROJECT: West-End Neighborhood Demo - 2314 Winyah St., 0069.E0001

LAB CODE: ST220411

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on November 21, 2022. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH Laboratory Director

Mansas Di



ASBESTOS ANALYTICAL REPORT By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT: West-End Neighborhood Demo - 2314 Winyah St., 0069.

E0001

LAB CODE: ST220411

TEST METHOD: Bulk Chatfield

EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 11/22/22



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Client: SUMMIT Engineering, Laboratory & Testing, Inc.

Lab Code: ST220411 **Date Received:** 11-21-22 3575 Centre Circle Date Analyzed: 11-22-22 Fort Mill, SC 29715 **Date Reported:** 11-22-22

Project: West-End Neighborhood Demo - 2314 Winyah St., 0069.E0001

TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
RF-3 ST02729	Black Shingle	0.1786	42.5	32.7	24.8	None Detected
RF-3 ST02730	Black Felt Paper	0.2937	96	1.6	2.4	None Detected
FL-3 ST02731	Cream Sheet Flooring	0.05	67.8	18.8	13.4	None Detected



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. *Estimated measurement of uncertainty is available on request*. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Eurofins CEI recommends between 0.500 and 0.200 grams of sample material. *Any weight below 0.100 grams is considered below protocol guidelines.*

ANALYST:

Miguel Angel Maysonet

APPROVED BY-

Tianbao Bai, Ph.D., CIH

Laboratory Director



CEI

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708

Tel: 803-526-5146; Fax: 919-481-1442

CHAIN OF CUSTODY

ECEI Lab Code:	
STZZOUN	
ECEI Lab I.D. Range:	

COMPANY INFORMATION	PROJECT INFORMATION
	Job Contact: Logan Smith / Tony Monk
Company: SUMMIT Engineering, Laboratory & Testing, Inc.	Email / Tel: LSmith@summit-companies.com / AMonk@summit-companies.com
	Project Name: West-End Neighborhood Demo - 2314 Winyah St.
Fort Mill, NC 29715	Project ID#: 0069.E0001
mcao@summit-companies.com; mzavislak@summit-companies.com; Billing Email:crupert@summit-companies.com; envirolab@summit-companies.com;	PO #:
Tel: 803-238-1080	State of sample origin SC

ECEI standard terms are Net 30 days

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

		TURN AROUND TIME					
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600						
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PLM BULK	CARB 435						
PCM AIR*	NIOSH 7400						
TEM AIR	EPA AHERA						
TEM AIR	NIOSH 7402						
TEM BULK	CHATFIELD						V
TEM DUST WIPE	ASTM D6480-19						
TEM DUST MICROVAC	ASTM D5755-09 (2014)						
TEM SOIL	ASTM D7521-16						
OTHER:							
TEM INSTRUCTIONS							
	tive DLM						
Begin TEM Analysis After Nega Analyze TEM Samples Simultan							
REMARKS / SPECIAL IN					Ø Ad	ccept Sample	es
					□ Re	eject Sample	es
Relinquished By:	Date/Time		Receiv	ved By:		Date/Time	
C. Rupert	11/21/2022	2	Sm	P	11121	2:48 Cm	
(13./6	7						

By submitting samples, you are agreeing to ECEI's Terms and Conditions. Samples will be disposed of 30 days after analysis

Page _____of ____

Version: CCOC.01.22.1/2.LM-FM



SAMPLING FORM

CEI

COMPANY CONTACT INFORMATION					
Job Contact: Logan Smith / Tony Monk					
Tel:					

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA		EST
RF-3	Roofing (shingle; felt)		PLM	TEM 🗸
FL-3	Flooring		PLM	TEM 🗸
			PLM	TEM
	The second transfer of the second sections	of spacetack, 6	PLM	TEM
			PLM	TEM
a (* 745a)			PLM	TEM
		32	PLM	TEM
			PLM	TEM
			PLM	TEM
Sales Market	and the second		PLM	TEM
	en.		PLM	TEM
			PLM	TEM
	(3) (4)		PLM	TEM
			PLM	TEM

2	2
Page Z	of Z

Version: CCOC.01.22.2/2.LM-FM

APPENDIX B ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith

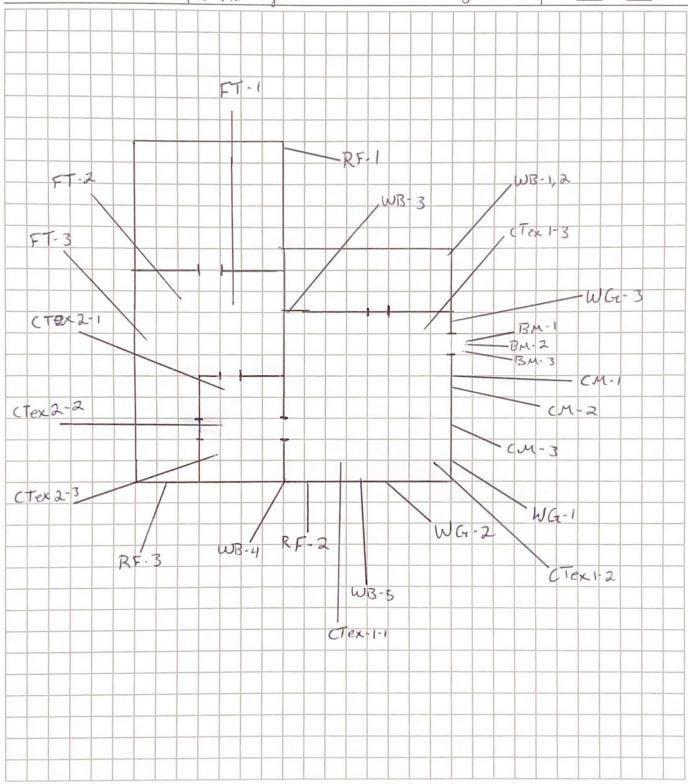


AIRSAMPLER AS-000658 12/09/22 CONSULTBI BI-002058 11/16/22 SUPERAHERA SA-003626 12/09/22

APPENDIX C SUMMIT DOCUMENTATION



PREPARED	DATE:	CHECKED BY:	DATE:	PROJECT NO:
If BY:	1/4/22			0069. E0001
PROJECT NAM				SHEET NO
West End Neighb	orhood Dem	0 -2314 Wingal	St.	OF



SITE PHOTOGRAPHS



House structure



Inside of structure



AHERA/NESHAP ASBESTOS INSPECTION REPORT 2405 WINYAH ST. RESIDENTIAL PROPERTY

CLIENT:

City of Georgetown 1134 North Fraser Street Georgetown, SC 29440

LOCATION:

2405 Winyah St. Georgetown, SC

DATE OF INSPECTION:

September 26, 2022

DATE OF REPORT:

November 7, 2022

PREPARED BY:

Logan Smith Environmental Staff Professional

SUMMIT Engineering, Laboratory & Testing, Inc. **(SUMMIT)**1539 Meeting Street - Suite A
Charleston, SC 29405
843-606-6268

SUMMIT Job No. 0069.E0001

AHERA/NESHAP ASBESTOS INSPECTION REPORT 2405 Winyah St., Georgetown, SC

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2.0	EXEC	CUTIVE SUMMARY	2
3.0	SUSP	PECT MATERIALS	3
	3.1	Roofing Material	3
	3.2	Brick and Mortar	3
	3.3	Window Glazing	3
	3.4	Ceiling Texture	3
	3.5	Wallboard	4
	3.6	Flooring	4
	3.7	Joint Compound	
4.0	SUSP	PECT MATERIAL QUANTITIES	5
5.0	CON	CLUSIONS AND RECOMMENDATIONS	6
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1.0	Site I	Location Map	
LIST (OF APP	PENDICES	
Α	Ana	llytical Results	
В		estos Inspector's License	
С	SUN	MMIT Documentation	

1

1.0 REPORT CERTIFICATION

SUMMIT is pleased to provide environmental consulting services for City of Georgetown. Please contact this office at 843-606-6268 with any questions or comments regarding the findings submitted in this report.

This document, entitled AHERA/NESHAP Asbestos Inspection Report, was prepared for City of Georgetown, and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.

I Smith	11/7/2022
Logan Smith	Date

SC DHEC AHERA Asbestos Building Inspector No. BI-02058

Expiration Date: November 16, 2022

SC DHEC AHERA Asbestos Air Sampler No. AS-00658

Expiration Date: December 9, 2022

SC DHEC AHERA Asbestos Supervisor No. SA-03626

Expiration Date: December 9, 2022

Jordan Suttles

Date

SC DHEC AHERA Asbestos Building Inspector No. BI-002074

Expiration Date: February 1, 2023

SC DHEC AHERA Asbestos Air Sampler No. AS-000665

Expiration Date: February 17, 2023

SC DHEC AHERA Asbestos Supervisor No. SA-003673

Expiration Date: February 17, 2023

2.0 EXECUTIVE SUMMARY

On September 26, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2405 Winyah St., Georgetown, South Carolina.

One (1) dilapidated residential structure. The structure and sections of the ceiling have collapsed. The building is currently not occupied. The structure is likely a hazard to occupants. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is expected to be demolished.

A work practices variance may be required in order to abate the structure using alternate methods. The variance may be requested from SC DHEC by the abatement contractor to accomplish this. Additional requirements usually involve a letter of structural condemnation by an official, and an asbestos project design in order to abate using demo with RACM (Regulated Asbestos Containing Materials).

The purpose of this inspection was to investigate available records for the specification of asbestos containing material (ACM), inspect for suspect materials, sample, and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. Seven (7) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

The following Asbestos Containing Materials (ACMs) were identified within the structure:

WG-1, 2 AND 3

The window glazing was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 80 LF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.0 SUSPECT MATERIALS

3.1 Roofing Material

RF-1, 2 AND 3

The roofing material were sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.2 Brick and Mortar

BM-1, 2 AND 3

The brick and mortar were sampled from the exterior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.3 Window Glazing

WG-1, 2 AND 3

The window glazing was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 80 LF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.4 Ceiling Texture

CTEX-1, 2 AND 3

The interior ceiling texture was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a friable, surfacing material and is in damaged condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.5 Wallboard

WB-1, 2 AND 3

The wallboard was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a friable, miscellaneous material and is in damaged condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.6 Flooring

FT-1, 02 AND 03

The flooring material was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

3.7 <u>Joint Compound</u>

JC-1, 2, 3, 4 and 5

The joint compound was sampled from the interior of the structure. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as a friable, surfacing material and is in damaged condition with a high potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM (Y/N)	AMOUNT
ROOFING MATERIAL	N	3,000 SF
BRICK AND MORTAR	N	3,000 SF
WINDOW GLAZING	Υ	80 LF
CEILING TEXTURE	N	1,000 SF
WALLBOARD	N	800 SF
FLOORING	N	600 SF
JOINT COMPOUND	N	1,100 SF

Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSIONS AND RECOMMENDATIONS

On September 26, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 2405 Winyah St., Georgetown, South Carolina.

One (1) dilapidated residential structure. The structure and sections of the ceiling have collapsed. The building is currently not occupied. The structure is likely a hazard to occupants. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is expected to be demolished.

A work practices variance may be required in order to abate the structure using alternate methods. The variance may be requested from SC DHEC by the abatement contractor to accomplish this. Additional requirements usually involve a letter of structural condemnation by an official, and an asbestos project design in order to abate using demo with RACM (Regulated Asbestos Containing Materials).

The following Asbestos Containing Materials (ACMs) were identified within the structure:

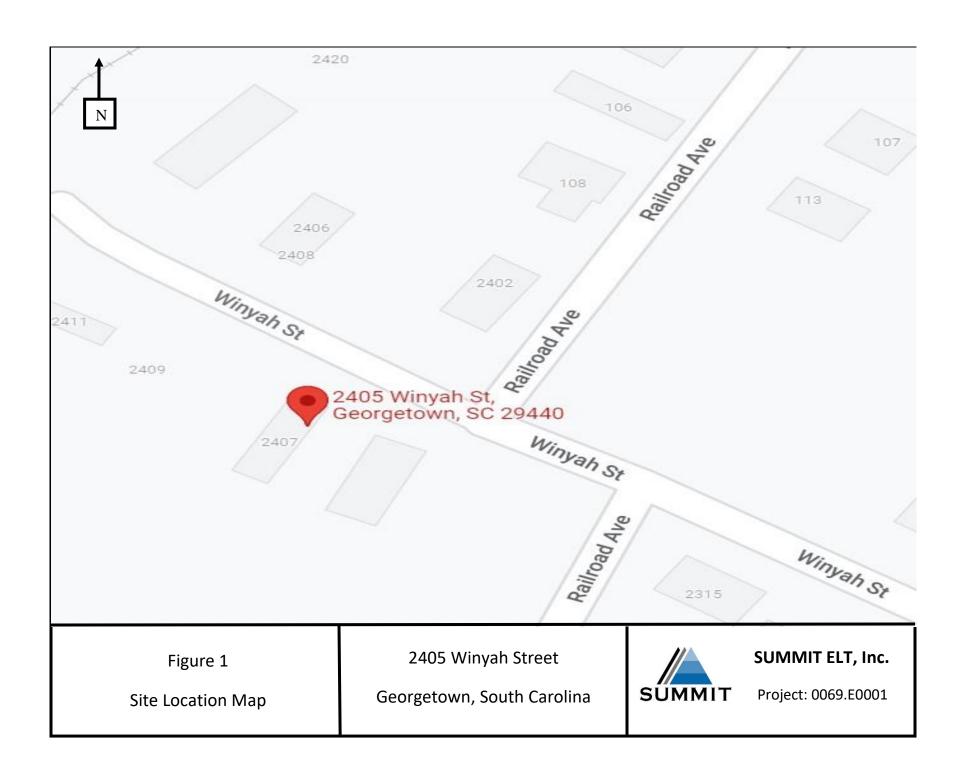
WG-1, 2 AND 3

The window glazing was sampled from the exterior of the structure. The results indicated that the material is classified as an Asbestos Containing Material (ACM). The material contains 2% Chrysotile and there is approximately 80 LF of the material. The material is classified as a non-friable, miscellaneous material and is in good condition with a low potential for damage. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the locations of the sampling locations can be found in the SUMMIT Documentation.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied miscellaneous material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES



APPENDIX A ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 2405 Winyah St.

Summit #: 2022-9-29-0069.E0001

Date Analyzed: 10/3/2022

Date Reported: 10/3/2022

Total Samples Analyzed: 17

Samples >1% Asbestos: 1

Method of Analysis: EPA 600/R-93/116/M4-82/020



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022
Date Analyzed: 10/3/2022

Date Reported: 10/3/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: 2405 Winyah St

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

			<u>No</u>	on-Asbestos	<u>Asbestos</u>	
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos	
RF-1 2022-9-29-0069.E0001-1	Roofing Material	Black, Orange Fibrous	5% Glass	95% Non-fibrous (other)	None Detected	
	D (M	Homogeneous	50/ 01	050/ 11 (1)		
RF-2	Roofing Material	Black, Orange Fibrous	5% Glass	95% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-2		Homogeneous		(otner)		
BM-1-Brick	Brick and Mortar	Dark Red		100% Non-fibrous	None Detected	
		Non-fibrous		(other)		
2022-9-29-0069.E0001-3		Homogeneous		,		
BM-1-Mortar	Brick and Mortar	Gray		100% Non-fibrous	None Detected	
2000 0 00 0000 50004 04		Non-fibrous		(other)		
2022-9-29-0069.E0001-3A		Homogeneous				
BM-2-Brick	Brick and Mortar	Dark Red		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-4		Non-fibrous		(other)		
	Driek on a Marta:	Homogeneous		4000/ Non-Element	None Data eta d	
BM-2-Mortar	Brick and Mortar	Gray Non-fibrous		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-4A		Homogeneous		(other)		
BM-3-Brick	Brick and Mortar	Dark Red		100% Non-fibrous	None Detected	
BIN O BIIOR	Briok and Workar	Non-fibrous		(other)	Hone Beleeted	
2022-9-29-0069.E0001-5		Homogeneous		,		
BM-3-Mortar	Brick and Mortar	Gray		100% Non-fibrous	None Detected	
		Non-fibrous		(other)		
2022-9-29-0069.E0001-5A		Homogeneous				
WG-1	Window Glazing	White, Beige		98% Non-fibrous	2% Chrysotile	
2022-9-29-0069.E0001-6		Fibrous		(other)		
		Homogeneous				
WG-2	Window Glazing				Positive stop (not	
2022-9-29-0069.E0001-7					analyzed)	
WG-3	Window Glazing				Positive stop (not	
	,				analyzed)	
2022-9-29-0069.E0001-8 Ctex-1	Ceiling Texture	White		100% Non-fibrous	None Detected	
Olex-1	Celling Texture	Non-fibrous		(other)	None Detected	
2022-9-29-0069.E0001-9		Homogeneous		(50.151)		
Ctex-2	Ceiling Texture	White		100% Non-fibrous	None Detected	
	····g · -······	Non-fibrous		(other)	, = 2.22 .00	
2022-9-29-0069.E0001-10		Homogeneous		,		
Ctex-3	Ceiling Texture	White		100% Non-fibrous	None Detected	
	-	Non-fibrous		(other)		
2022-9-29-0069.E0001-11		Homogeneous				

Analyst(s): Cass E. Rupert



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715 Summit Order: 2022-9-29-0069.E0001

Phone: (704) 504-1717

Date Received: 9/29/2022

Date Analyzed: 10/3/2022

Date Reported: 10/3/2022

Summit ELT, Inc. 3575 Centre Circle Fort Mill, SC 29715

Project: 2405 Winyah St

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

		_	<u>No</u>	n-Asbestos	<u>Asbestos</u>	
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos	
WB-1	Wallboard	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-12		Homogeneous				
WB-2	Wallboard	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-13		Homogeneous				
WB-3	Wallboard	Gray, Beige Fibrous	10% Cellulose	90% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-14		Homogeneous				
FT-1	Floor Tile	Beige, Gray Non-fibrous		100% Non-fibrous (other)	None Detected	
2022-9-29-0069.E0001-15		Homogeneous		(00.)		
FT-2	Floor Tile	Beige, Gray		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-16		Non-fibrous Homogeneous		(other)		
JC-1	Joint Compound	White		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-17		Non-fibrous Homogeneous		(other)		
JC-2	Joint Compound	White		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-18		Non-fibrous Homogeneous		(other)		
JC-3	Joint Compound	White		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-19		Non-fibrous Homogeneous		(other)		
JC-4	Joint Compound	White		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-20		Non-fibrous Homogeneous		(other)		
JC-5	Joint Compound	White		100% Non-fibrous	None Detected	
2022-9-29-0069.E0001-21		Non-fibrous Homogeneous		(other)		

Analyst(s): Cass E. Rupert Page 3 of 4



METHOD: EPA 600/R-93/116/M4-82/020

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended. Results relate only to the items received by the laboratory as noted on the Chain of Custody.

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Analyst(s):

Cass E. Rupert

Approved By

Approved Signatory

Summit Laboratories, 3575 Centre Circle, Fort Mill, SC 29715, Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:	
Summit Order No	umber: 2022-9-29 - 0069. Eccel

2520 Whitehall Park Rd – Suite 250, Charlotte, NC 28273

Tel: 704-504-1717; Fax: 704-504-1125

COMPANY CONTACT	INFORMATION	51,178				11/33			had below	
Company:				Job Contact: L. Smith/ A. Monk						
Address:				Email: Is	smith@su	mmit-com	panies.org			
				Tel:						
				Fax:						
Project Name: W.E.N 2405 Winjah St.					ollected In	: SC				
Project ID #: 0069 , E		- Just								
	fferent - If Bill to is d	ifferent plea	ase no	tate in th	ie comme	ents section	n.			
		382 32 67	4.7	BY LUX	TUD	N AROUN	DIME		1,000	
ASBESTOS	METHOD		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAV	2 Week	
PLM BULK	EPA 600						JDAI	S DAT	2 Week	
PLM Point Count (400)	EPA 600									
PCM AIR	NIOSH 7400									
TEM BULK	EPA NOB / Chatfi	eld								
TEM AIR	AHERA 40 CFR, I	Part 763								
TEM Dust Wipe	ASTM D6480									
POSITIVE STOP ANALYS	BIS: 🗷									
IF '	TURNAROUND TII	ME IS NOT	MAR	KED ST	ANDARD	5 DAY A	PPLIES			
By submitting samples, you a	re agreeing to Summit	t's Terms and	d Condi	tions						
COMMENTS: Scu	1 to CEF	for 78	-11							
	<i>y</i>							Accep	ot Sample:	
								Rejec	t Samples	
Relinquished By: Date/			me		Recei	ved By:			e/Time	
Relinquished								1 7	-	
Relinquished		9.28.	22	Fee	JEX			19.2	8.22	

Samples will be disposed of 60 days after analysis



SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing material		
- 2	0 ,		
- 3 TEM	1 ×		
BM - I	Brick + Mortar		
- 2	, ,		
- 3	11		
WG-1	Window Glazing		
<i>-2</i>			
- 3	/ (
Ctex - 1 - 2 - 3	Ciling Texture		
- 2			
- 3	(1		
WB1	Wallboard		
- Z - 3	* 1		
-3			
FT-I	Flooring		
- 2	, . V		
-3			
	#		

Page 2 of 2



CHAIN OF CUSTODY

Summit Order Number:	21 M/0 CA -1
LAB USE ONLY:	

3575 Centre Circle, Fort Mill, SC 29715 Tel: 704-504-1717; Fax: 704-504-1125

COMPANY	CONTACT I	NFORMATION								1 12 7				
Company: S	ummit ELT					Job Contact: A. Monk								
		Street - Suite	A			Email: amonk@summit-companies.com								
С	harleston, S	C 29405				7	704-9							_
						1 61.						_		_
Project Name: 2405 Winyah					Fax:	Callag	tod li	n: SC						
0000 50004						State	Collec	ieu ii	1. [_	_	
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						N N		TUR	N AROUN	ID TIME			×	
ASBESTO	os	METHOD		4	HR	8 HR	1	DAY	2 DAY	3 DAY	5 DAY	21	Nee	ek
PLM BULK		EPA 600]			V				\Box		
PLM Point C	ount (400)	EPA 600												
PCM AIR		NIOSH 7400												
TEM BULK		EPA NOB / Char	tfield											
TEM AIR		AHERA 40 CFR	, Part 763											
TEM Dust W	ipe	ASTM D6480										[
POSITIVE S	STOP ANALYSIS	s: 🗸												
	IF T	URNAROUND T	IME IS NO	OT N	//AR	KED S	TANE	ARE	5 DAY	APPLIES				
By submitting s	samples, you are	e agreeing to Summ	nit's Terms	and C	ond	itions								
COMMENT	ΓS:									M	Acce			
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	Relinquished Tagy	Ly.	10/28			/	1	Sece	A A		10/24/2	te/Ti	ine	
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LAB USE ONLY:	
Summit Order Number:	

COMPANY CONTACT INFORMATION						
Company: Summit ELT	Job Contact: A. Monk					
Project Name: 2405 Winyah						
Project ID #: 0069.E0001	Tel: 704-965-9235					

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
JC-1	JOINT COMPOUND	HA-1	10/26/2022
-2	и		,
-3	Ü		
-4	и	"	
-5	u	11	(#)

D 2 2		
Pauel I Utla	Page 2	of 2

October 5, 2022

SUMMIT Engineering, Laboratory & Testing, Inc. 3575 Centre Circle Fort Mill, SC 29715

CLIENT PROJECT: 2405 Winyah St., 0069.E0001

LAB CODE: ST220236

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on September 29, 2022. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH Laboratory Director

Mansas Bi



ASBESTOS ANALYTICAL REPORT By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT: 2405 Winyah St., 0069.E0001

LAB CODE: ST220236

TEST METHOD: Bulk Chatfield

EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 10/05/22



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Lab Code:

ST220236

Client: SUMMIT Engineering, Laboratory & Testing, Inc.

3575 Centre Circle

Fort Mill, SC 29715

Date Received: 09-29-22

Date Analyzed: 10-05-22

Date Reported: 10-05-22

Project: 2405 Winyah St., 0069.E0001

TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
RF-3 ST01595	Roofing Shingle	0.5239	25.1	39.4	35.5	None Detected
WG-3 ST01596	Window Glaze			Cancelled	Per Client	
FT-3 ST01597	Flooring	0.4626	36.9	61.8	1.3	None Detected



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. *Estimated measurement of uncertainty is available on request*. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Eurofins CEI recommends between 0.500 and 0.200 grams of sample material. *Any weight below 0.100 grams is considered below protocol guidelines.*

ANALYST:

APPROVED BY:

Tianbao Bai, Ph.D., CIH Laboratory Director



Eurofins Built Environment CEI 2752 Pleasant Road, Suite 100A

Tel: 866-481-1412; Fax: 919-481-1442

Fort Mill, SC 29708

CHAIN OF CUSTODY

LAB USE ONLY:		
ECEI Lab Code:	5+ 720236	
ECEI Lab I.D. Rai	nge:	

COMPANY INFORMATION	PROJECT INFORMATION				
ECEI CLIENT #:	Ce: Maria Cao				
Company: Summit ELT	Email / Tel: mcao@summit-companies.com				
Address: 3575 Centre Circle	Project Name: 2405 Winyah St.				
	Project ID#: 0069.E0001				
Email: envirolabs@summit-companies.com	PO #:				
Tel: 704.504.1717 Fax:	STATE SAMPLES COLLECTED IN: SC				

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.								
TURN A				TURN AR	ROUND TIME			
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY	
PLM BULK	EPA 600							
PLM POINT COUNT (400)	EPA 600							
PLM POINT COUNT (1000)	EPA 600							
PLM GRAV w POINT COUNT	EPA 600							
PLM BULK	CARB 435							
PCM AIR*	NIOSH 7400							
TEM AIR	EPA AHERA							
TEM AIR	NIOSH 7402							
TEM AIR (PCME)	ISO 10312							
TEM AIR	ASTM 6281-15							
TEM BULK	CHATFIELD							
TEM DUST WIPE	ASTM D6480-05 (2010)							
TEM DUST MICROVAC	ASTM D5755-09 (2014)							
TEM SOIL	ASTM D7521-16							
TEM VERMICULITE	CINCINNATI METHOD							
TEM QUALITATIVE	IN-HOUSE METHOD							
OTHER:								
*Blanks should be taken from the same s								
REMARKS / SPECIAL INSTRUCTIONS:			1048 A					
Please only analyze the layers listed on the COC			Accept Samples					
Please CC: envirolab@summit-companies.com on the		results			Reject Samples			
Relinguished By:	Date/Time	te/Time Receive		ved By:	Date/Time			
Watthew Jule	9/29/2022	2022 MA			4:30	4:30 9/29		

By submitting samples, you are agreeing to ECEI's Terms and Conditions. Samples will be disposed of 30 days after analysis

Page	of	

Version: CCOC.07.18.1/2.LD



SAMPLING FORM

CEI

COMPANY CONTACT INFORMATION	
Company: Summit ELT, P.C.	Job Contact: Logan Smith/A. Monk
Project Name: 2405 Winyah St.	Ismith@summit-companies.com
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
RF-3	roofing shingle		PLM		TEM	
WG-3	window glaze		PLM		TEM	
FT-3	flooring		PLM		TEM	

Version: CCOC.07.18.2/2.LD

APPENDIX B ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith



AIRSAMPLER AS-000658 12/09/22 CONSULTBI BI-002058 11/16/22 SUPERAHERA SA-003626 12/09/22

SCDHEC ISSUED

Asbestos ID Card

Jordan Suttles



AIRSAMPLER CONSULTBI SUPERAHERA SA-003673

AS-000665 BI-002074

Expiration Date: 02/17/23 02/01/23 02/17/23

APPENDIX C SUMMIT DOCUMENTATION



PREPARED DATE: CHECKED BY: DATE: PROJECT NO:

BY:

10.28.22

PROJECT NAME: West - End Demolition

SHEET NO

2405 Winyah Street

OF

OF 0069. E0001

