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.

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 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	**Y**	**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

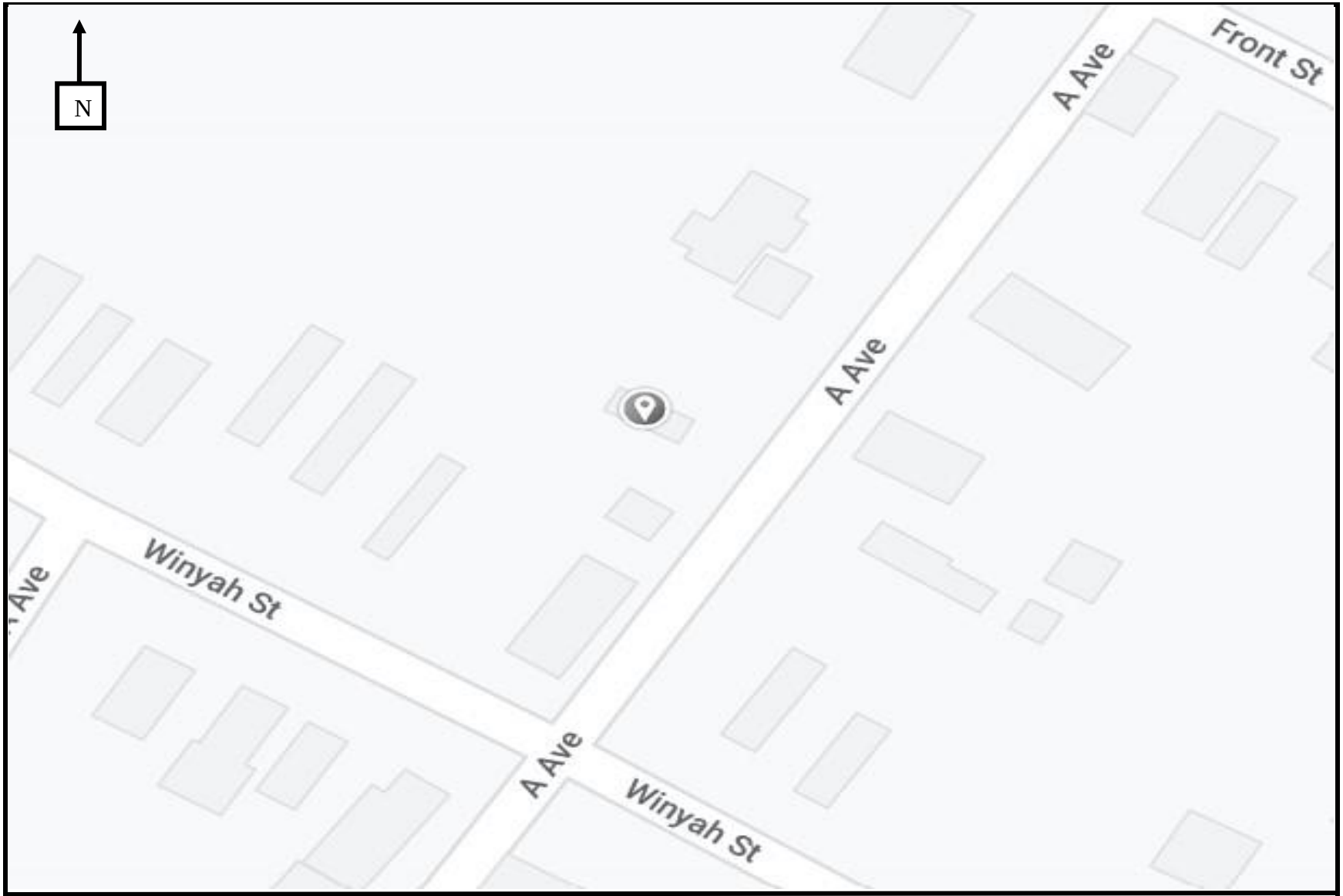


Figure 1 Site Location Map	110 A Street Georgetown, South Carolina	**SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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
Phone: (704) 504-1717

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

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

Date Received: 9/29/2022
Date Analyzed: 10/4/2022
Date Reported: 10/4/2022

Project : 110 A Street

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

			Non-Asbestos		Asbestos
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 2022-9-29-0069.E0001-1A	Roofing Material	Black, Brown Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
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 2022-9-29-0069.E0001-2A	Roofing Material	Black, Brown Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
Tran-01-01 2022-9-29-0069.E0001-3	Cementitious Board	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
Tran-01-02 2022-9-29-0069.E0001-4	Cementitious Board	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
Tran-01-03 2022-9-29-0069.E0001-5	Cementitious Board	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
Tran2-1 2022-9-29-0069.E0001-6	Transite Siding	Gray, Green Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
Tran2-2 2022-9-29-0069.E0001-7	Transite Siding				Positive stop (not analyzed)
Tran2-3 2022-9-29-0069.E0001-8	Transite Siding				Positive stop (not analyzed)
Ctex-1-Texture 2022-9-29-0069.E0001-9	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-1-Wallboard 2022-9-29-0069.E0001-9A	Ceiling Texture	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
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 2022-9-29-0069.E0001-10	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

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

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

Date Received: 9/29/2022
Date Analyzed: 10/4/2022
Date Reported: 10/4/2022

Project : 110 A Street

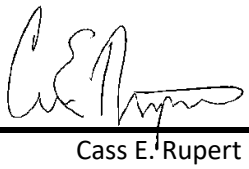
Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

				Non-Asbestos	Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
Ctex-2-Wallboard 2022-9-29-0069.E0001-10A	Ceiling Texture	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
Ctex-2-Joint Compound 2022-9-29-0069.E0001-10A	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-3-Texture 2022-9-29-0069.E0001-11	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-3-Wallboard 2022-9-29-0069.E0001-11A	Ceiling Texture	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
Ctex-3-Joint Compound 2022-9-29-0069.E0001-11A	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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.

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: 7022-9-29-0069.E0001

SUMMIT LABORATORIES

2520 Whitehall Park Rd – Suite 250,

Charlotte, NC 28273

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

COMPANY CONTACT INFORMATION	
Company:	Job Contact: L. Smith/ A. Monk
Address:	Email: lsmith@summit-companies.org
	Tel:
	Fax:
Project Name: WEN. - 110 A Street	State Collected In: SC
Project ID #: C069.E0001	

Bill to: ☐ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ☒

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to Summit's Terms and Conditions

COMMENTS: Send to CEI for TEM

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L Smith	9.28.22	FedEx	9.28.22
			9/29/22

Samples will be disposed of 60 days after analysis

SUMMIT
LABORATORIES

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing material		
-2	"		
-3 (TEM)	"		
Tran-01-01,02	Transite siding		
-03	"		
Tran-1	Transite Siding		
-2	"		
-3	"		
CTex-1	Ceiling Texture		
-2	"		
-3	"		

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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

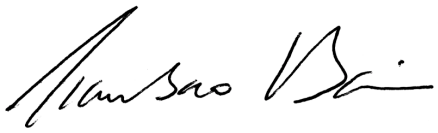
Dear Customer:

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

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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

2752 Pleasant Rd Suite 100A • Fort Mill, SC 29708 • 803.526.5146

ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220253
Date Received: 10-03-22
Date Analyzed: 10-10-22
Date Reported: 10-10-22

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**

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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: Brunilda Gjoka
Brunilda Gjoka

APPROVED BY:
Tianbao Bai, Ph.D., CIH
Laboratory Director

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CHAIN OF CUSTODY

(2)

Eurofins Built Environment CEI
2752 Pleasant Road, Suite 100A
Fort Mill, SC 29708
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
ECEI Lab Code: SX220253
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: 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.

ASBESTOS	METHOD	TURN AROUND TIME					
		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

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Smith	10/3/2022	CRB	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

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SAMPLING FORM

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

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

APPENDIX B

ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith

		Expiration Date:
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

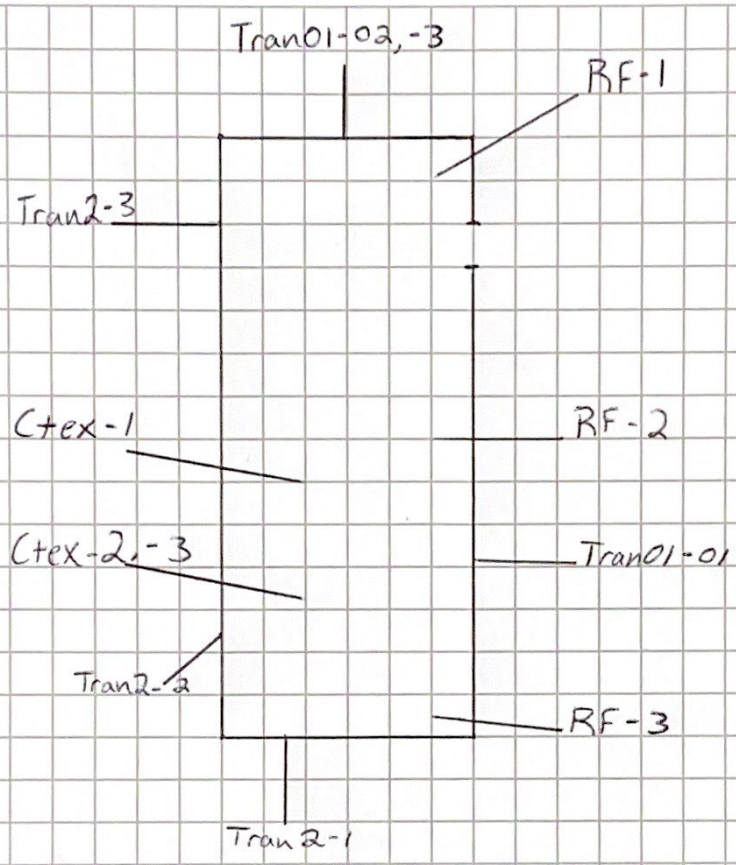
		Expiration Date:
AIRSAMPLER	AS-000665	02/17/23
CONSULTBI	BI-002074	02/01/23
SUPERAHERA	SA-003673	02/17/23

APPENDIX C

SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY: LS	DATE: 9/27/22	CHECKED BY:	DATE:	PROJECT NO:
PROJECT NAME: West-End Demolition 110A 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:
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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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1539 Meeting Street - Suite A
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SUMMIT Job No. 0069.E0001

AHERA/NESHAP ASBESTOS INSPECTION REPORT
2005 Front St., Georgetown, SC

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- 3.3 Window Glaze 3
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FIGURES

1.0 Site Location Map

LIST OF APPENDICES

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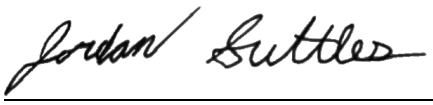


11/7/2022

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.

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.

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 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	**Y**	**500 SF**
WINDOW GLAZE	N	60 LF
WALLBOARD/JOINT COMPOUND	**Y**	**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

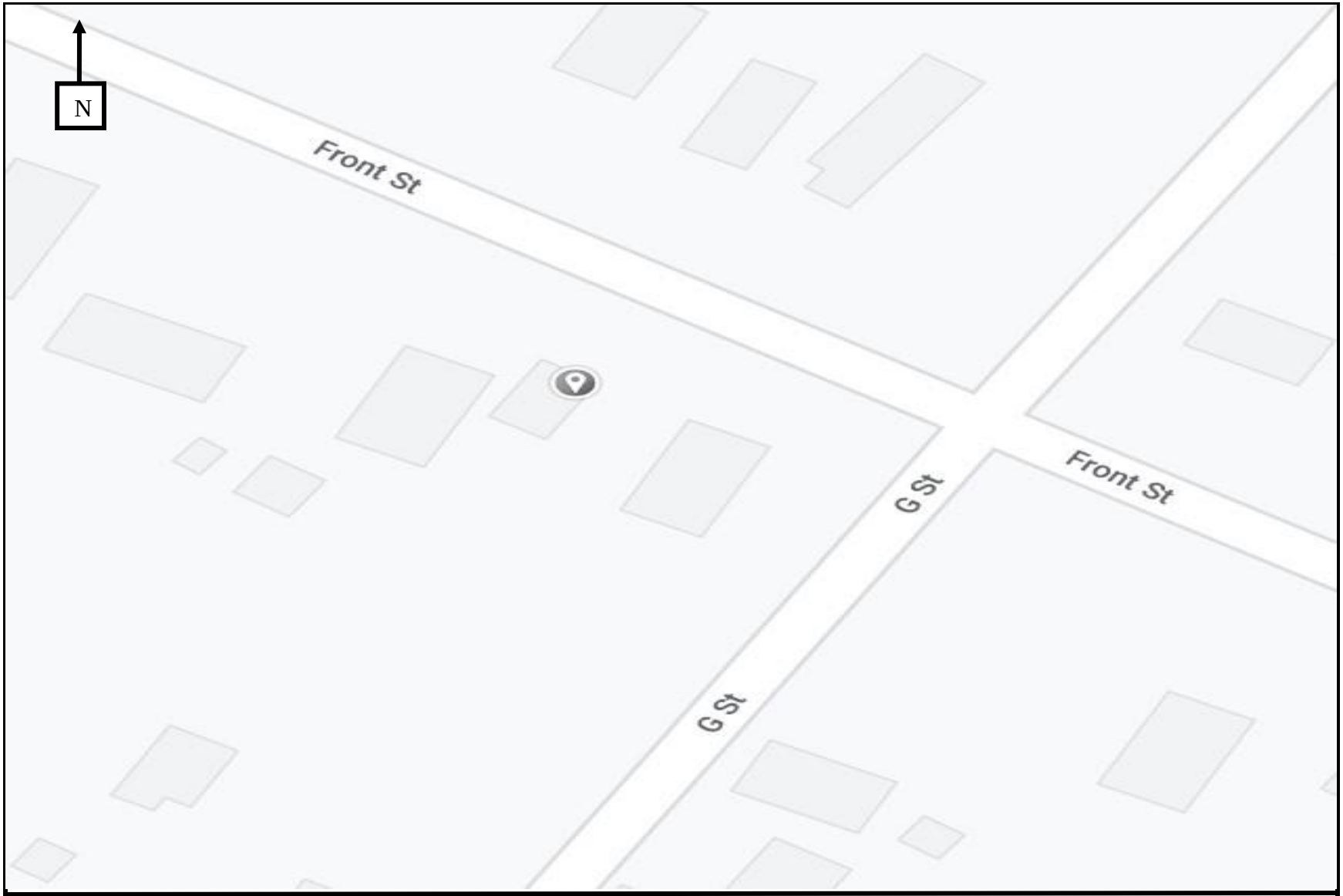


Figure 1 Site Location Map	2005 Front Street Georgetown, South Carolina	**SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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

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

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

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

Date Received: 9/29/2022
Date Analyzed: 10/4/2022
Date Reported: 10/4/2022

Project : 2005 Front St.

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

			Non-Asbestos		Asbestos
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 2022-9-29-0069.E0001-2	Roofing Material	Black, Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
TR-1 2022-9-29-0069.E0001-3	Transite	White, Red Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
TR-2 2022-9-29-0069.E0001-4	Transite				Positive stop (not analyzed)
TR-3 2022-9-29-0069.E0001-5	Transite				Positive stop (not analyzed)
WG-1 2022-9-29-0069.E0001-6	Window Glazing	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-2 2022-9-29-0069.E0001-7	Window Glazing	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-1-Wallboard 2022-9-29-0069.E0001-8	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-Joint Compound 2022-9-29-0069.E0001-8A	Wallboard and Joint Compound	Beige Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
WB-2-Wallboard 2022-9-29-0069.E0001-9	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2-Joint Compound 2022-9-29-0069.E0001-9A	Wallboard and Joint Compound				Positive stop (not analyzed)
WB-3-Wallboard 2022-9-29-0069.E0001-10	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3-Joint Compound 2022-9-29-0069.E0001-10A	Wallboard and Joint Compound				Positive stop (not analyzed)
FT-1 2022-9-29-0069.E0001-11	Flooring	Red, Brown Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

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

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

Date Received: 9/29/2022
Date Analyzed: 10/4/2022
Date Reported: 10/4/2022

Project : 2005 Front St.

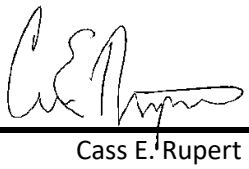
Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
FT-2 2022-9-29-0069.E0001-12	Flooring	Red, Brown Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected

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.

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:

SUMMIT LABORATORIES

2520 Whitehall Park Rd – Suite 250,

Charlotte, NC 28273

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

COMPANY CONTACT INFORMATION	
Company:	Job Contact: L. Smith/ A. Monk
Address:	Email: lsmith@summit-companies.org
	Tel:
	Fax:
Project Name: W.E.N. - 2005 Front St.	State Collected In: SC
Project ID #: 0069.E0001	

Bill to: ☐ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ☒

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to Summit's Terms and Conditions

COMMENTS: Send to CEI for TEM

☒ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L Smith	9.28.22	FedEx	9.28.22
		[illegible]	9-29-22 12:30

Samples will be disposed of 60 days after analysis

SUMMIT LABORATORIES

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing Material		
-2	"		
-3 (TEM)	"		
TR-1	Transite		
-2	"		
-3	"		
WG-1	Window Glazing		
-2	"		
-3 (TEM)	"		
WB-1	Wallboard		
-2	"		
-3	"		
FT-1	Flooring		
-2	"		
-3 (TEM)	"		

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

eurofins | CEI

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

2752 Pleasant Rd Suite 100A • Fort Mill, SC 29708 • 803.526.5146

ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220252
Date Received: 10-03-22
Date Analyzed: 10-10-22
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**

eurofins | CEI

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: Brunilda Gjoka
Brunilda Gjoka

APPROVED BY:
Tianbao Bai, Ph.D., CIH
Laboratory Director

eurofins | CEI

CHAIN OF CUSTODY

(3)

Eurofins Built Environment CEI
2752 Pleasant Road, Suite 100A
Fort Mill, SC 29708
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
ECEI Lab Code: St 220252
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

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		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

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Smith	10/3/2022	CRB	LD/3 11:40

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

eurofins | CEI

SAMPLING FORM

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

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
RF-3	black shingle		PLM ☐	TEM ■
WG-3	window glaze		PLM ☐	TEM ■
FT-3	brown and red flooring		PLM ☐	TEM ■

APPENDIX B

ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith

		Expiration Date:
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

		Expiration Date:
AIRSAMPLER	AS-000665	02/17/23
CONSULTBI	BI-002074	02/01/23
SUPERAHERA	SA-003673	02/17/23

APPENDIX C

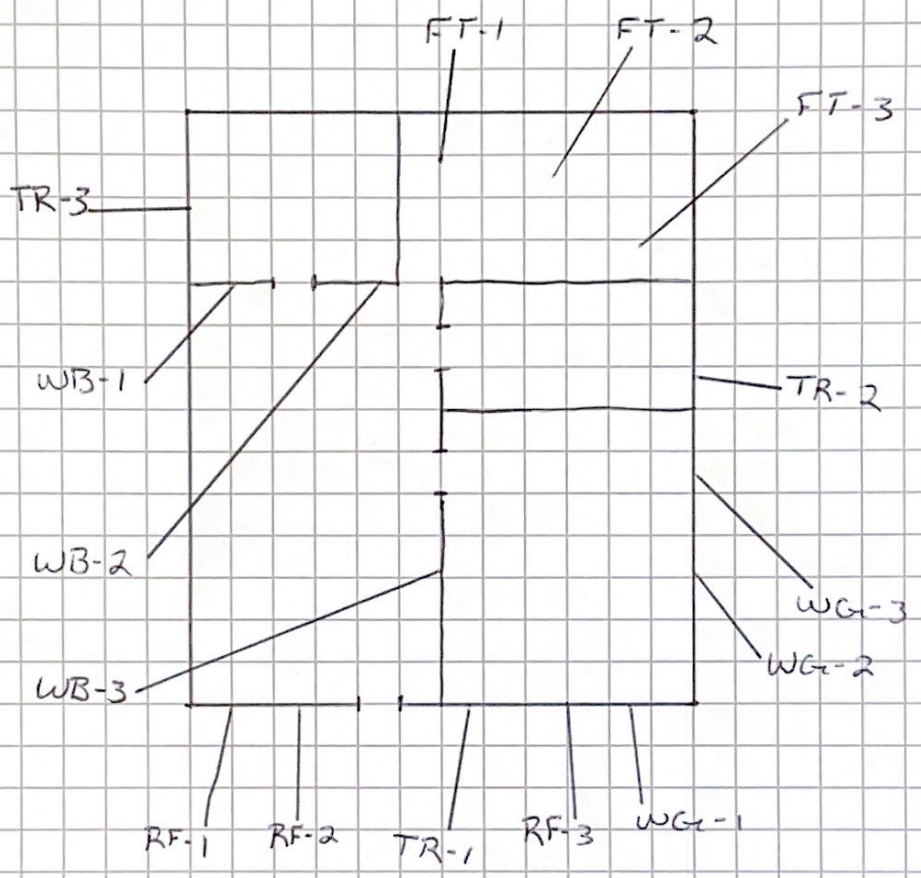
SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
[signature]	10.28.22			0069.E0001

PROJECT NAME: West-End Demolition
2005 Front Street

SHEET NO ___ 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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B Asbestos Inspector's Certificates
C 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.

1/18/2023

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

Figure 1 Site Location Map	2011 Gilbert Street Georgetown, SC	**SUMMIT ELT, INC** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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: 1

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

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

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

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

Date Received: 12/19/2022
Date Analyzed: 12/20/2022
Date Reported: 12/20/2022

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	Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RF-1 2022-12-19-0069.E0001-1	Roofing Material	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-2 2022-12-19-0069.E0001-2	Roofing Material	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
WG-1 2022-12-19-0069.E0001-3	Window Glaze	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-2 2022-12-19-0069.E0001-4	Window Glaze	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Brick 2022-12-19-0069.E0001-5	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Mortar 2022-12-19-0069.E0001-5A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Brick 2022-12-19-0069.E0001-6	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Mortar 2022-12-19-0069.E0001-6A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Brick 2022-12-19-0069.E0001-7	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Mortar 2022-12-19-0069.E0001-7A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-1-Wallboard 2022-12-19-0069.E0001-8	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-White Joint Compound 2022-12-19-0069.E0001-8A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-1-Beige Joint Compound 2022-12-19-0069.E0001-8B	Wallboard and Joint Compound	Beige Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
WB-2-Wallboard 2022-12-19-0069.E0001-9	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

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

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

Date Received: 12/19/2022
Date Analyzed: 12/20/2022
Date Reported: 12/20/2022

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

Analyst(s): Cass E. Rupert

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

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

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

Date Received: 12/19/2022
Date Analyzed: 12/20/2022
Date Reported: 12/20/2022

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

Analyst(s): Cass E. Rupert

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

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: 2022-12-19-0069.E0001

SUMMIT LABORATORIES

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

COMPANY CONTACT INFORMATION	
Company: Summit ELT – Charleston	Job Contact: L. Smith/ A. Monk
Address: 1539 Meeting Street – Suite A	Email: Lsmith@summit-companies.com
Charleston, SC 29405	Amonk@summit-companies.com
	Tel:
Project Name: West-End Neighborhood Demo-2011 Gilbert St.	Fax:
Project ID #: 0069.E0001	State Collected In: SC

Bill to: ☐ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ■

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to Summit's Terms and Conditions

COMMENTS: Pre-analyze TEMs and send to lab for 5 day analysis.

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L Smith	12/19/22		12/19/22 0945

Samples will be disposed of 60 days after analysis

SUMMIT
LABORATORIES

SAMPLING FORM

LAB USE ONLY:
Summit Order Number:

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	" "		
WG-1	Window Glaze		
-2	" "		
-3	" "		
BM-1	Brick and Mortar		
-2	" "		
-3	" "		
WB-1	Wallboard/Joint Compound		
-2	" "		
-3	" "		
-4	" "		
-5	" "		
FL-1	Flooring		
-2	" "		
-3	" "		

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

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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

2752 Pleasant Rd Suite 100A • Fort Mill, SC 29708 • 803.526.5146

ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220461
Date Received: 12-19-22
Date Analyzed: 12-28-22
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**

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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: Adrian Meyer

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

Dw 12/28/22 5:00 pm (3)

eurofins | CEI

CHAIN OF CUSTODY

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708
Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code:	ST 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: West-End neighborhood demo - 2011 Gilbert St.
Fort Mill, NC 29715	Project ID#: CCG9.E0001
Billing Email: mcao@summit-companies.com; mzavislak@summit-companies.com; 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.

ASBESTOS	METHOD	TURN AROUND TIME 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	
Begin TEM Analysis After Negative PLM	☐
Analyze TEM Samples Simultaneously with PLM	☐

REMARKS / SPECIAL INSTRUCTIONS:

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
C. Rupert	12/19/2022	[signature]	12/19 1:20 pm
[signature]			

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

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SAMPLING FORM

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

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
RF-3	Roofing Material (shingle)		PLM ☐	TEM ☒
WG-3	Window Glaze		PLM ☐	TEM ☒
FL-3	Flooring		PLM ☐	TEM ☒
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

Version: CCOC.01.22.2/2.LM-FM

APPENDIX B

INSPECTOR'S LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith

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

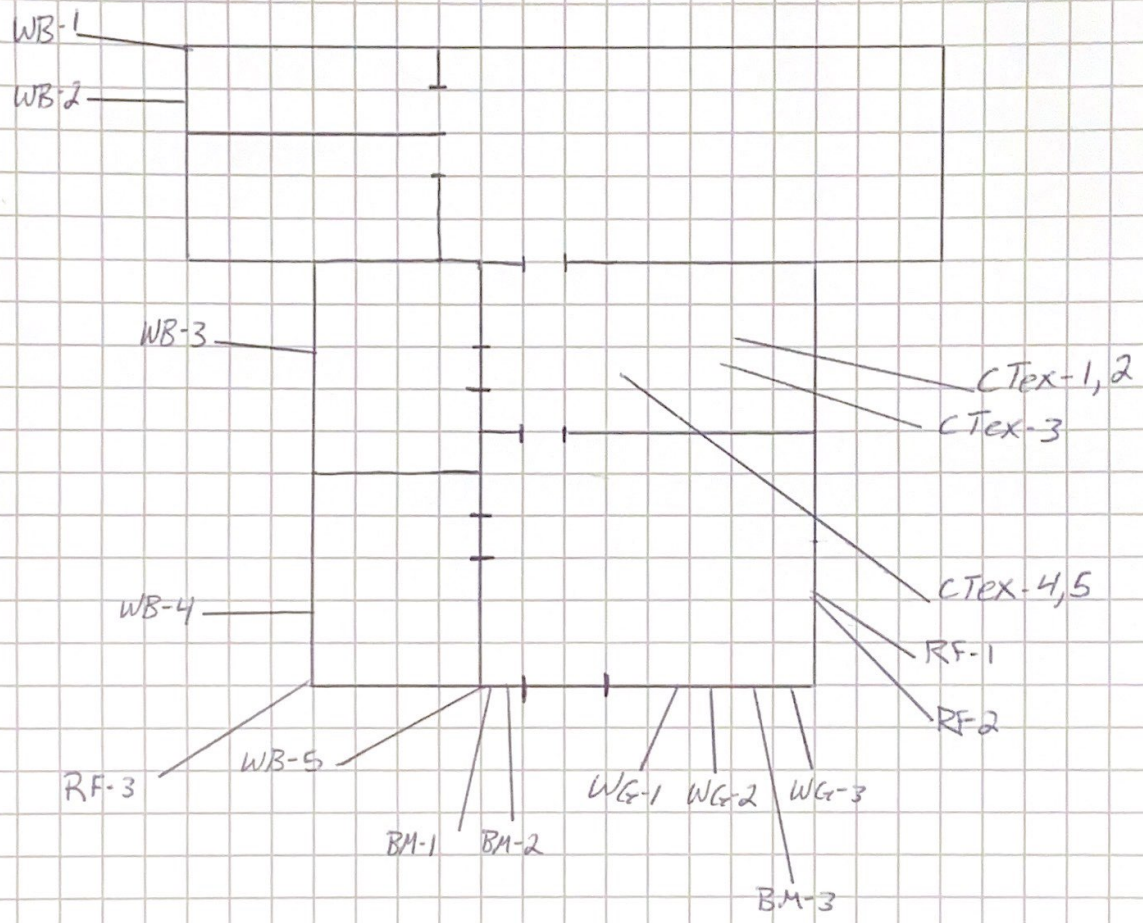
APPENDIX C

SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
[signature]	1.10.23			0069.E0001

PROJECT NAME:	SHEET NO
West End Neighborhood Demo - 2006 Front St.	___ OF ___



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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C 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.

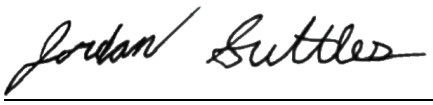
11/7/2022

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



11/7/2022

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 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 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	**Y**	**1,200 SF**
WINDOW GLAZING	N	55 LF
BRICK AND MORTAR	N	450 SF
CEILING TEXTURE	**Y**	**600 SF**
WALLBOARD/JOINT COMPOUND	**Y**	**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

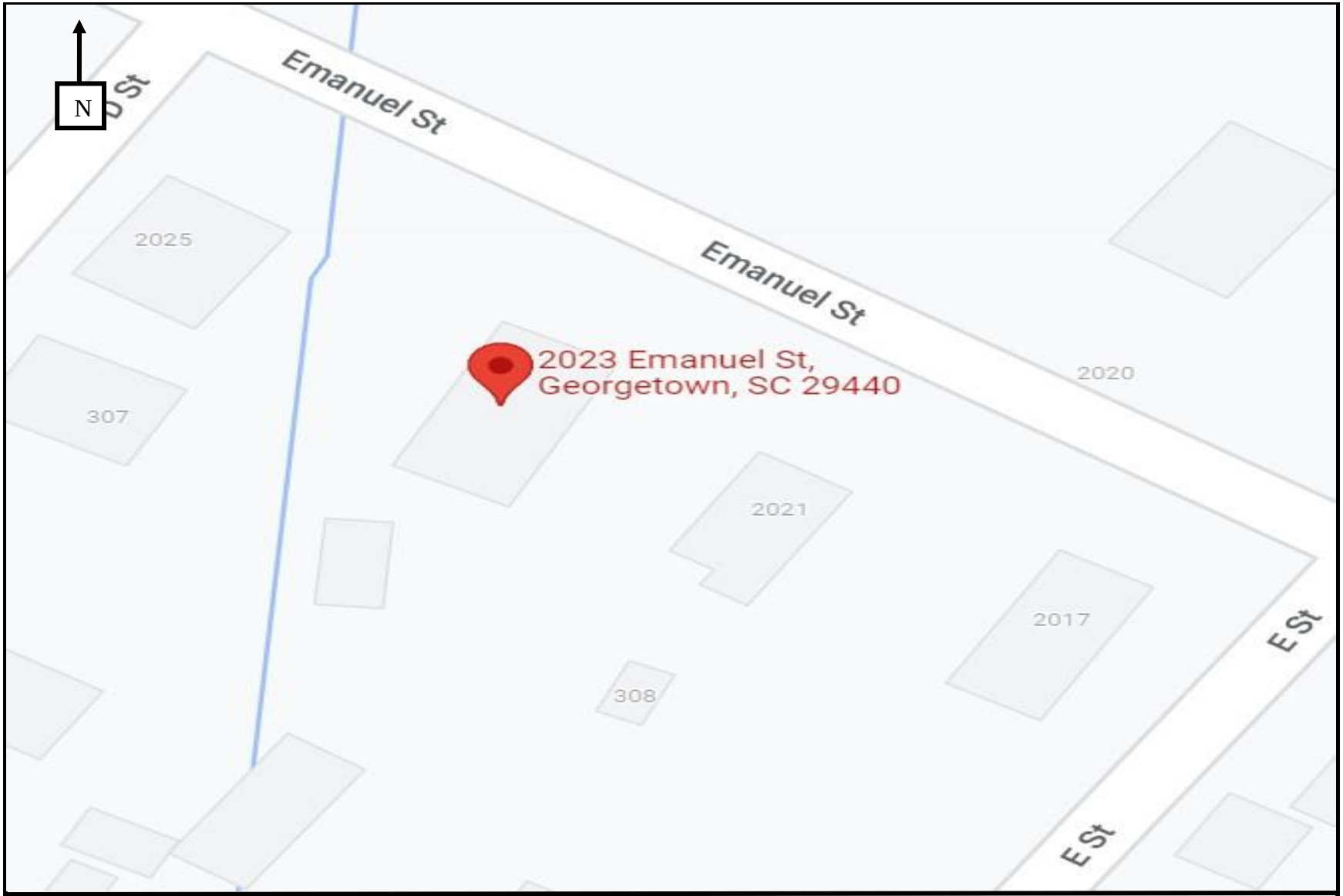


Figure 1 Site Location Map	2023 Emanuel Street Georgetown, South Carolina	**SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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
Phone: (704) 504-1717

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

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

Date Received: 9/29/2022
Date Analyzed: 10/4/2022
Date Reported: 10/4/2022

Project : 2023 Emanual St.

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

			Non-Asbestos		Asbestos
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 2022-9-29-0069.E0001-1A	Roofing Material	Brown Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
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 2022-9-29-0069.E0001-2A	Roofing Material	Brown Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
TR-1-Transite 2022-9-29-0069.E0001-3	Transite	Gray, Beige Fibrous Homogeneous		90% Non-fibrous (other)	**10% Chrysotile**
TR-1-Felt 2022-9-29-0069.E0001-3A	Transite	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
TR-2-Transite 2022-9-29-0069.E0001-4	Transite				Positive stop (not analyzed)
TR-2-Felt 2022-9-29-0069.E0001-4A	Transite	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
TR-3-Transite 2022-9-29-0069.E0001-5	Transite				Positive stop (not analyzed)
WG-1 2022-9-29-0069.E0001-5	Window Glazing	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-2 2022-9-29-0069.E0001-6	Window Glazing	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Brick 2022-9-29-0069.E0001-7	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Mortar 2022-9-29-0069.E0001-7A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Brick 2022-9-29-0069.E0001-8	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

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

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

Date Received: 9/29/2022
Date Analyzed: 10/4/2022
Date Reported: 10/4/2022

Project : 2023 Emanual St.

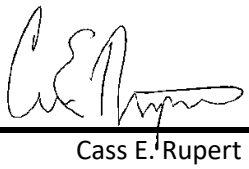
Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
BM-2-Mortar 2022-9-29-0069.E0001-8A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Brick 2022-9-29-0069.E0001-9	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Mortar 2022-9-29-0069.E0001-9A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-1 2022-9-29-0069.E0001-10	Ceiling Texture	Beige Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
Ctex-2 2022-9-29-0069.E0001-11	Ceiling Texture				Positive stop (not analyzed)
Ctex-3 2022-9-29-0069.E0001-12	Ceiling Texture				Positive stop (not analyzed)
WB-1-Wallboard 2022-9-29-0069.E0001-13	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-Joint Compound 2022-9-29-0069.E0001-13A	Wallboard and Joint Compound	Beige Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
WB-2-Wallboard 2022-9-29-0069.E0001-14	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2-Joint Compound 2022-9-29-0069.E0001-14A	Wallboard and Joint Compound				Positive stop (not analyzed)
WB-3-Wallboard 2022-9-29-0069.E0001-15	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3-Joint Compound 2022-9-29-0069.E0001-15A	Wallboard and Joint Compound				Positive stop (not analyzed)
FT-1 2022-9-29-0069.E0001-16	Flooring Material	Beige, Black Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FT-2 2022-9-29-0069.E0001-17	Flooring Material	Beige, Black Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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.

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: 2022-9-29-0069.E0001

SUMMIT LABORATORIES

2520 Whitehall Park Rd – Suite 250,

Charlotte, NC 28273

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

COMPANY CONTACT INFORMATION	
Company:	Job Contact: L. Smith/ A. Monk
Address:	Email: lsmith@summit-companies.org
	Tel:
	Fax:
Project Name: W.E.N. - 2023 Emanual St.	State Collected In: SC
Project ID #: 0069.E0001	

Bill to: ☐ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ☒

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to Summit's Terms and Conditions

COMMENTS: Send to CEI for TEM

☒ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L Smith	9.28.22	FedEx	9.28.22
			9/29/22

Samples will be disposed of 60 days after analysis

SUMMIT LABORATORIES

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing Material		
-2	"		
-3 (TEM)	"		
TR-1	Transite		
-2	"		
-3 (TEM Foil)	"		
WG-1	Window Glazing		
-2	"		
-3 (TEM)	"		
BM-1	Brick + Mortar		
-2	"		
-3	"		
CTex-1	Ceiling texture		
-2	"		
-3	"		
WB-1	Wallboard		
-2	"		
-3	"		
FT-1	Flooring material		
-2	"		
-3 (TEM)	"		

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

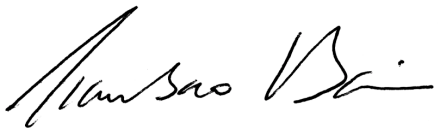
Dear Customer:

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

eurofins | CEI

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

2752 Pleasant Rd Suite 100A • Fort Mill, SC 29708 • 803.526.5146

ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220250v2
Date Received: 10-03-22
Date Analyzed: 10-10-22
Date Reported: 10-10-22

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**

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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: Brunilda Gjoka
Brunilda Gjoka

APPROVED BY:
Tianbao Bai, Ph.D., CIH
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 *

CHAIN OF CUSTODY

Eurofins Built Environment CEI
2752 Pleasant Road, Suite 100A
Fort Mill, SC 29708
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
ECEI Lab Code: ST220250 (3)
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.

ASBESTOS	METHOD	TURN AROUND TIME					
		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

☒ CRB Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Gulde	10/3/2022	CRB	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

eurofins | CEI

SAMPLING FORM

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

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

eurofins | CEI

SAMPLING FORM

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	TEST			
TR-3	Felt Only		PLM		TEM	x
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
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			PLM		TEM	

APPENDIX B

ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Jordan Suttles

		Expiration Date:
AIRSAMPLER	AS-000665	02/17/23
CONSULTBI	BI-002074	02/01/23
SUPERAHERA	SA-003673	02/17/23

SCDHEC ISSUED

Asbestos ID Card

Logan Smith

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

APPENDIX C

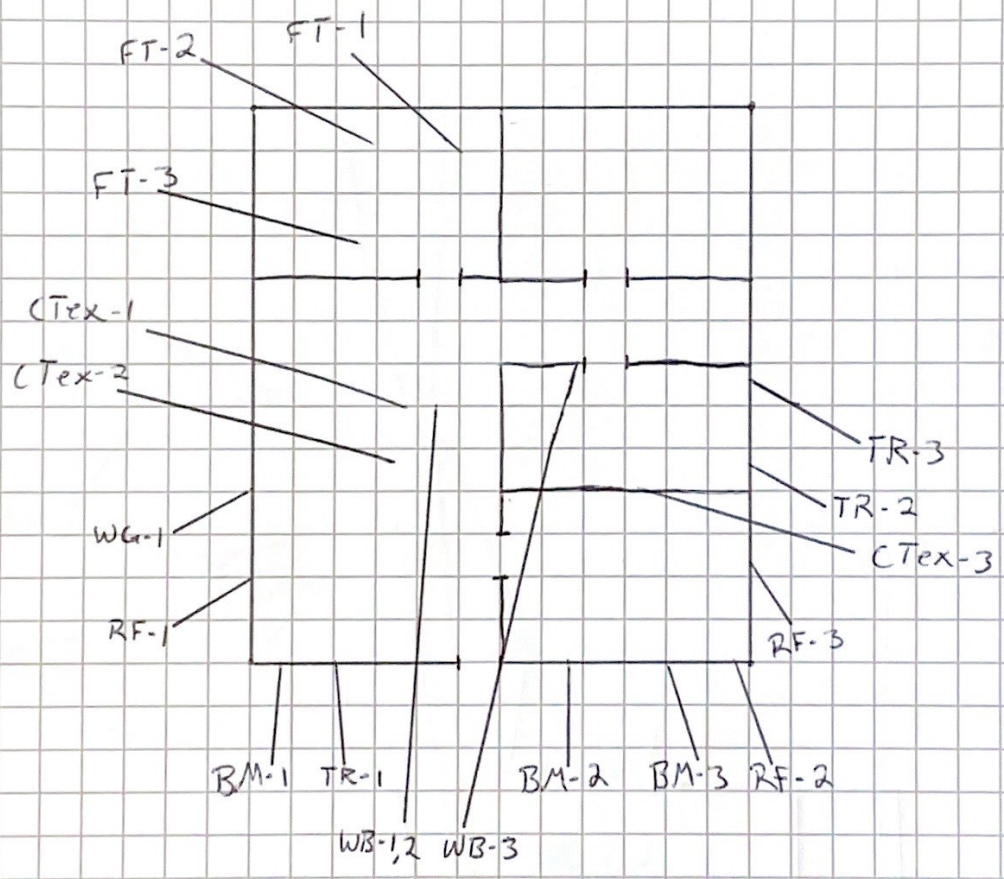
SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
	10.28.22			0069.E0001

PROJECT NAME: West-End Demolition
2023 Emanuel Street

SHEET NO ___ 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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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. Lago

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 Wallboard System

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 Cinder Block

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	Y	700 SF
PLASTER	N	750 SF
CINDER BLOCK	N	1,200 SF
ASPHALT ROOFING SHINGLES	Y	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

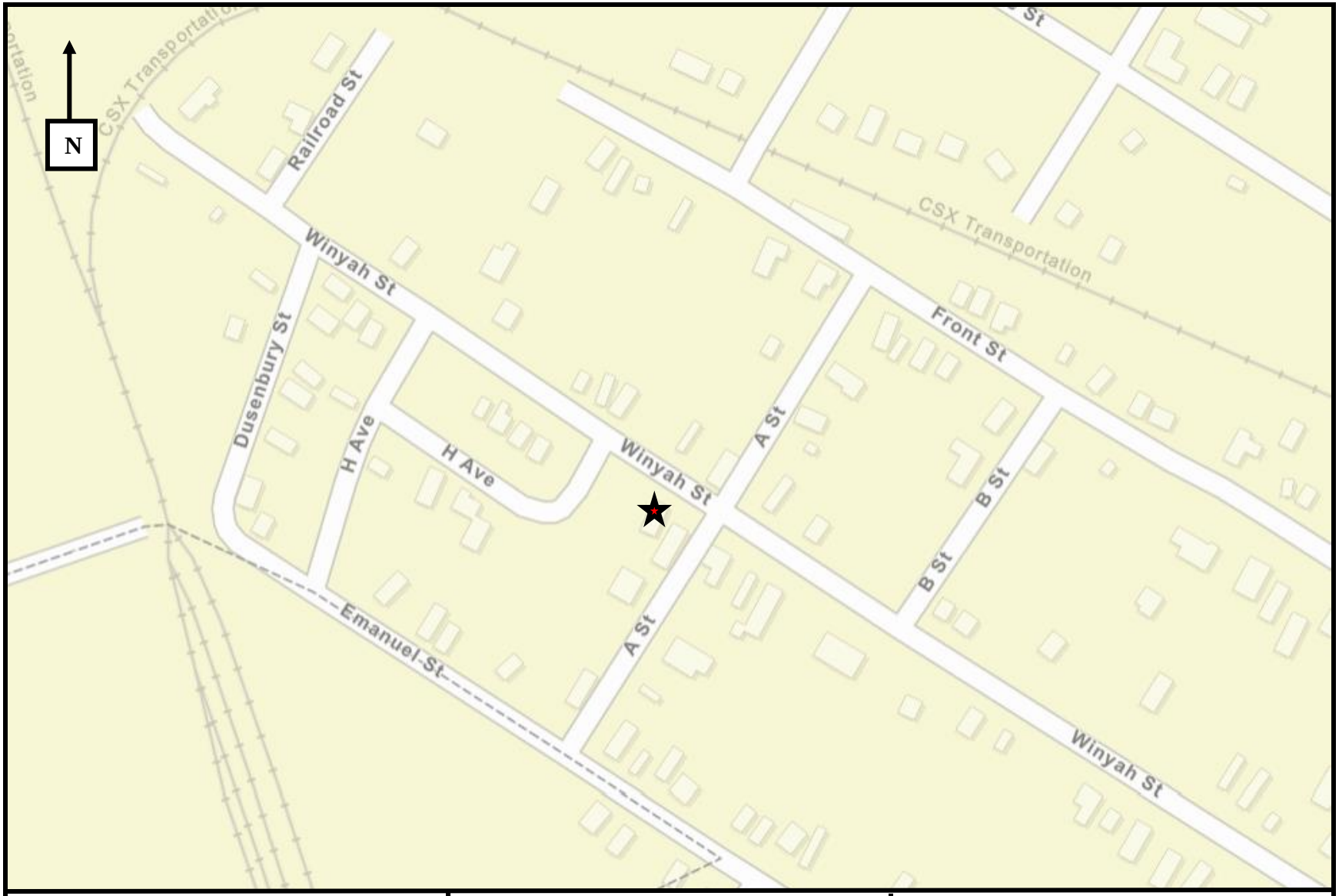


Figure 1 Site Location Map	2203 Winyah Street Georgetown, SC	SUMMIT ELT, INC Project: 0069.E0001

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

UNIVERSAL ENGINEERING SCIENCES
UES Laboratories
2520 Whitehall Park Dr., Ste. 250
Phone: (704) 626.0834

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

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

Date Received: 2/17/2023
Date Analyzed: 2/21/2023
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		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
WB-1-Wallboard 2023-2-17-0069.E0001-1	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-Joint Compound 2023-2-17-0069.E0001-1A	Wallboard and Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
WB-2-Wallboard 2023-2-17-0069.E0001-2	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2-Joint Compound 2023-2-17-0069.E0001-2A	Wallboard and Joint Compound				Positive stop (not analyzed)
WB-3-Wallboard 2023-2-17-0069.E0001-3	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3-Joint Compound 2023-2-17-0069.E0001-3A	Wallboard and Joint Compound				Positive stop (not analyzed)
PLS-1 2023-2-17-0069.E0001-4	Plaster	Gray, Beige Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
PLS-2 2023-2-17-0069.E0001-5	Plaster	Gray, Beige Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
PLS-3 2023-2-17-0069.E0001-6	Plaster	Gray, Beige Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CB-1 2023-2-17-0069.E0001-7	Cinder Block	Gray, White Non-fibrous Homgoeneous		100% Non-fibrous (other)	None Detected
CB-2 2023-2-17-0069.E0001-8	Cinder Block	Gray, White Non-fibrous Homgoeneous		100% Non-fibrous (other)	None Detected
CB-3 2023-2-17-0069.E0001-9	Cinder Block	Gray, White Non-fibrous Homgoeneous		100% Non-fibrous (other)	None Detected
RS-1 2023-2-17-0069.E0001-10	Roofing Shingles	Black Fibrous Homoenoeus		98% Non-fibrous (other)	**2% Chrysotile**
RS-2 2023-2-17-0069.E0001-11	Roofing Shingles				Positive stop (not analyzed)

Analyst(s): Cass E. Rupert

UNIVERSAL ENGINEERING SCIENCES®
UES Laboratories
2520 Whitehall Park Dr., Ste. 250
Phone: (704) 626.0834

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

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

Date Received: 2/17/2023
Date Analyzed: 2/21/2023
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		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RS-3 2023-2-17-0069.E0001-12	Roofing Shingles				Positive stop (not analyzed)

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.

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

UNIVERSAL ENGINEERING SCIENCES

CHAIN OF CUSTODY

LAB USE ONLY:
UES Order Number: 2023-2-17-0069.E0001

2520 Whitehall Park Dr. Ste. 250

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

COMPANY CONTACT INFORMATION			
Company:	Summit ELT - Charleston	Job Contact:	J. Lago / A. Monk
Address:	1539 Meeting Street - Suite A	Email:	Jlago@summit-companies.com
	Charleston, SC 29405		Amonk@summit-companies.com
		Tel:	
Project Name:	2203 Winyah Street	Fax:	
Project ID #:	0069.E0001	State Collected In:	SC

Bill to: ☑ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ☑

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to UES Terms and Conditions

COMMENTS:

Notify SAI if TEM required.

☒ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Julian Lago	2-16-2023		2/17/23 1100

Samples will be disposed of 60 days after analysis

UNIVERSAL ENGINEERING SCIENCES

LAB USE ONLY:
UES Order Number:

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	"	"	"
-3	"	"	"
PLS-1	PLASTER	HA-2	"
-2	"	"	"
-3	"	"	"
CB-1	CINDER BLOCK	HA-3	"
-2	"	"	"
-3	"	"	"
RS-1	ROOFING SHINGLES	HA-4	"
-2	"	"	"

APPENDIX B

INSPECTOR'S LICENSES

SCDHEC ISSUED

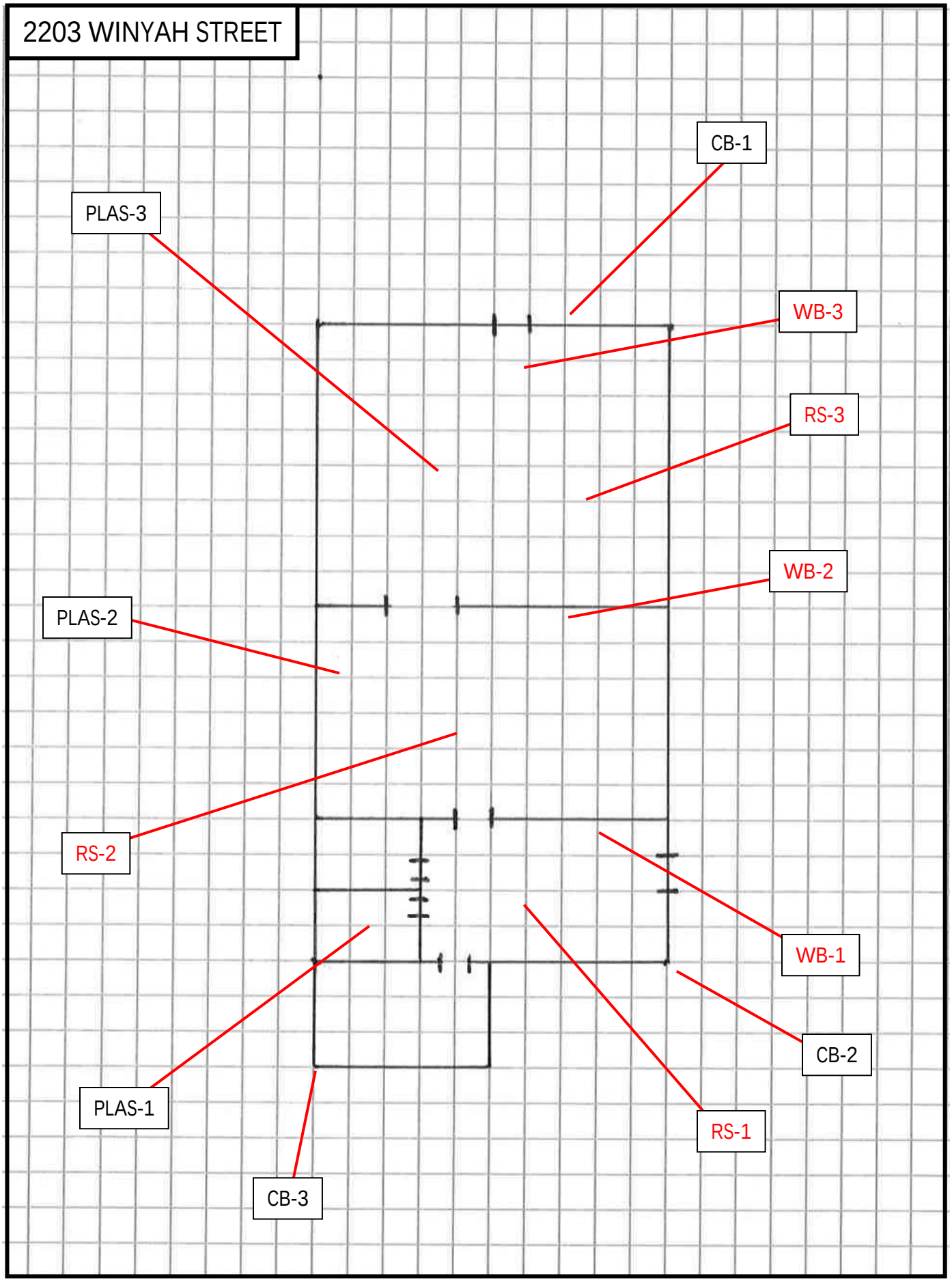
Asbestos ID Card

Julian Lago

		Expiration Date:
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


2203 WINYAH STREET
CB-1
PLAS-3
WB-3
RS-3
WB-2
PLAS-2
RS-2
WB-1
CB-2
PLAS-1
RS-1
CB-3

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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B Asbestos Inspector's License
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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 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.

1/20/2023

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 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 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 Ceiling Texture

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	**Y**	**80 LF**
CEMENTITIOUS BOARD	**Y**	**1,300**
CEILING TEXTURE 1	N	800 SF
CEILING TEXTURE 2	**Y**	**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

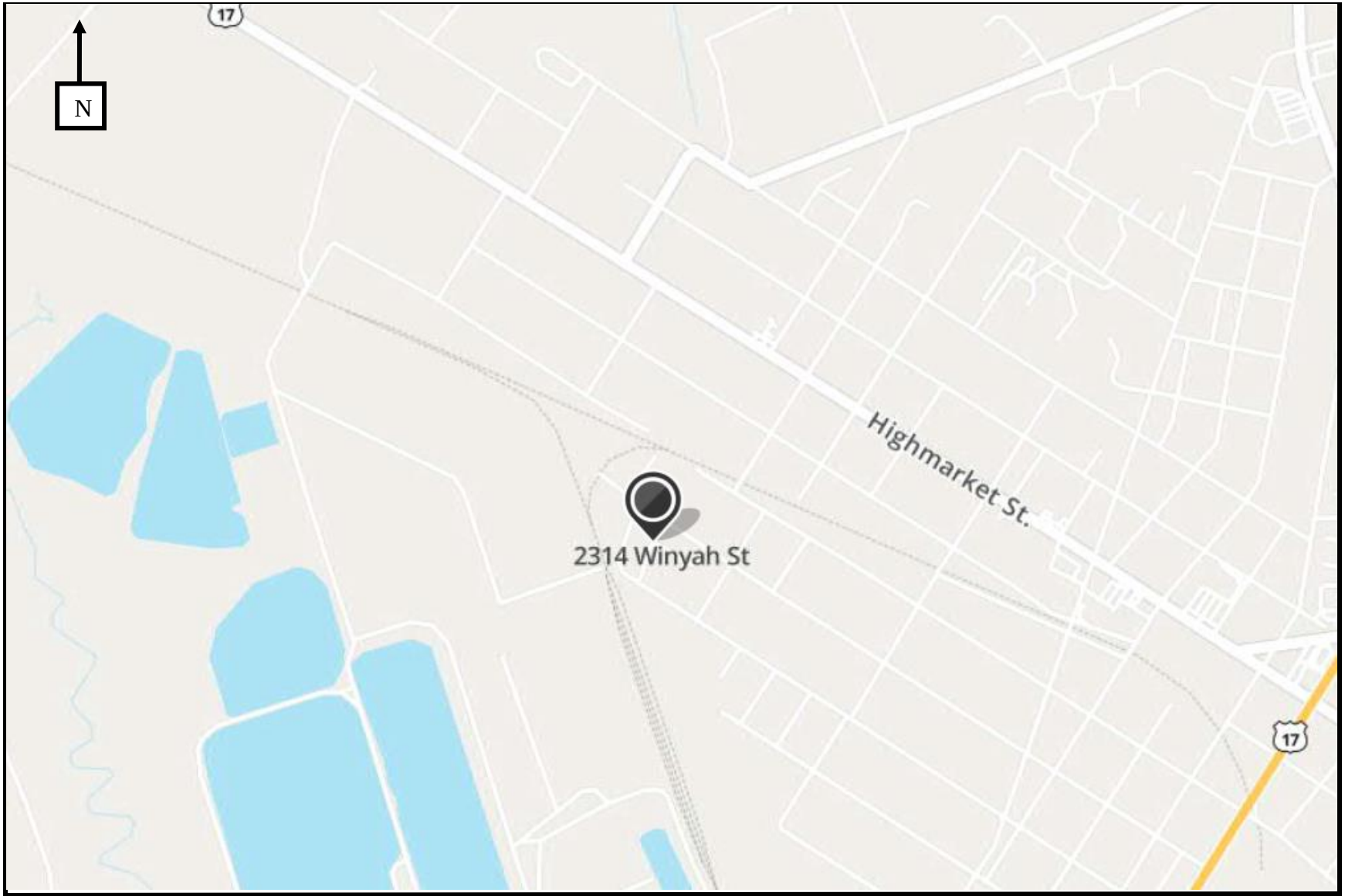

Figure 1 Site Location Map	2314 Winyah St Georgetown, South Carolina	**SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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
Phone: (704) 504-1717

Summit Order: 2022-11-21-0069.E0001

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

Date Received: 11/21/2022
Date Analyzed: 11/28/2022
Date Reported: 11/28/2022

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

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RF-1-Shingle 2022-11-21-0069.E0001-1	Roofing Material	Black, Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-1-Felt 2022-11-21-0069.E0001-1A	Roofing Material	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
RF-2-Shingle 2022-11-21-0069.E0001-2	Roofing Material	Black, Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-2-Felt 2022-11-21-0069.E0001-2A	Roofing Material	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
BM-1-Brick 2022-11-21-0069.E0001-3	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Mortar 2022-11-21-0069.E0001-3A	Brick and Mortar	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Brick 2022-11-21-0069.E0001-4	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Mortar 2022-11-21-0069.E0001-4A	Brick and Mortar	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Brick 2022-11-21-0069.E0001-5	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Mortar 2022-11-21-0069.E0001-5A	Brick and Mortar	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-1 2022-11-21-0069.E0001-6	Window Glazing	Beige, White Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
WG-2 2022-11-21-0069.E0001-7	Window Glazing				Positive stop (not analyzed)
WG-3 2022-11-21-0069.E0001-8	Window Glazing				Positive stop (not analyzed)
CM-1 2022-11-21-0069.E0001-9	Cementitious Board	White, Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**

Analyst(s): Cass E. Rupert

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

Summit Order: 2022-11-21-0069.E0001

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

Date Received: 11/21/2022
Date Analyzed: 11/28/2022
Date Reported: 11/28/2022

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

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
CM-2 2022-11-21-0069.E0001-10	Cementitious Board				Positive stop (not analyzed)
CM-3 2022-11-21-0069.E0001-11	Cementitious Board				Positive stop (not analyzed)
WB-1-Wallboard 2022-11-21-0069.E0001-12	Wallboard and Joint Compound	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-Joint Compound 2022-11-21-0069.E0001-12A	Wallboard and Joint Compound	Off-white Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-2-Wallboard 2022-11-21-0069.E0001-13	Wallboard and Joint Compound	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2-Joint Compound 2022-11-21-0069.E0001-13A	Wallboard and Joint Compound	Off-white Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-3-Wallboard 2022-11-21-0069.E0001-14	Wallboard and Joint Compound	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3-Joint Compound 2022-11-21-0069.E0001-14A	Wallboard and Joint Compound	Off-white Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-4-Wallboard 2022-11-21-0069.E0001-15	Wallboard and Joint Compound	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-4-Joint Compound 2022-11-21-0069.E0001-15A	Wallboard and Joint Compound	Off-white Non-fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
WB-5-Wallboard 2022-11-21-0069.E0001-16	Wallboard and Joint Compound	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-5-Joint Compound 2022-11-21-0069.E0001-16A	Wallboard and Joint Compound	Off-white Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CTex 1-1 2022-11-21-0069.E0001-17	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CTex 1-2 2022-11-21-0069.E0001-18	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

Summit Order: 2022-11-21-0069.E0001

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

Date Received: 11/21/2022
Date Analyzed: 11/28/2022
Date Reported: 11/28/2022

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

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
CTex 1-3 2022-11-21-0069.E0001-19	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CTex 2-1 2022-11-21-0069.E0001-20	Ceiling Texture	Off-white Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
CTex 2-2 2022-11-21-0069.E0001-21	Ceiling Texture				Positive stop (not analyzed)
CTex 2-3 2022-11-21-0069.E0001-22	Ceiling Texture				Positive stop (not analyzed)
FL-1 2022-11-21-0069.E0001-23	Flooring	Cream, Beige Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (other)	None Detected
FL-2 2022-11-21-0069.E0001-24	Flooring	Cream, Beige Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

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: 2022-11-21-0069.E0001

SUMMIT LABORATORIES
2520 Whitehall Park Dr – Suite 250,
Charlotte, SC 28273
Tel: 704-626-0834; Fax: 704-504-1125

COMPANY CONTACT INFORMATION	
Company: Summit ELT	Job Contact: L. Smith/ A. Monk
Address: 1539 Meeting Street – Suite A	Email: amonk@summit-companies.com
	Tel: 704.965.9235
	Fax:
Project Name: West-End Neighborhood Demo	State Collected In: SC
Project ID #: 0069.E0001	

Bill to: ☐ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ☒

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to Summit's Terms and Conditions

COMMENTS: Send TEM to lab of choice.
2314 Winyah

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L Smith	11.15.22	FedEx	11.15.22
			11/21/22 1100

Samples will be disposed of 60 days after analysis

SUMMIT LABORATORIES

SAMPLING FORM

LAB USE ONLY:
Summit Order Number:

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

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF-1	Roofing Material		
-2	"		
-3	"		
BM-1	Brick & Mortar		
-2	"		
-3	"		
WG-1	Window Glazing		
-2	"		
-3	"		
CM-1	Cementitious Board		
-2	"		
-3	"		
WB-1	Wallboard / Joint compound		
-2	"		
-3	"		
-4	"		
-5	"		
CTex-1-1	Ceiling Texture		
-1-2	"		
-1-3	"		
CTex-2-1	Ceiling Texture		
-2-2	"		
-2-3	"		
FL-1	Flooring		
-2	"		
-3	"		

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

eurofins | CEI

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

2752 Pleasant Rd Suite 100A • Fort Mill, SC 29708 • 803.526.5146

ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220411
Date Received: 11-21-22
Date Analyzed: 11-22-22
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**

eurofins | CEI

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

Rec 11130 5:00 Pm

eurofins | CEI

CHAIN OF CUSTODY

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708
Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code:
ST220411
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: West-End Neighborhood Demo - 2314 Winyah St.
Fort Mill, NC 29715	Project ID#: 0069.E0001
Billing Email: mcao@summit-companies.com; mzavislak@summit-companies.com; 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.

ASBESTOS	METHOD	TURN AROUND TIME					
		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			
Begin TEM Analysis After Negative PLM	☐		
Analyze TEM Samples Simultaneously with PLM	☐		

REMARKS / SPECIAL INSTRUCTIONS:	☒ Accept Samples ☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
C. Rupert	11/21/2022		11121 2:48 Pm

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

eurofins | CEI

SAMPLING FORM

COMPANY CONTACT INFORMATION	
Company:	Job Contact: Logan Smith / Tony Monk
Project Name: West-End Neighborhood Demo - 2314 Winyah St.	
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
RF-3	Roofing (shingle; felt)		PLM	☐	TEM	☑
FL-3	Flooring		PLM	☐	TEM	☑
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
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			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐

Version: CCOC.01.22.2/2.LM-FM

APPENDIX B

ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith

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

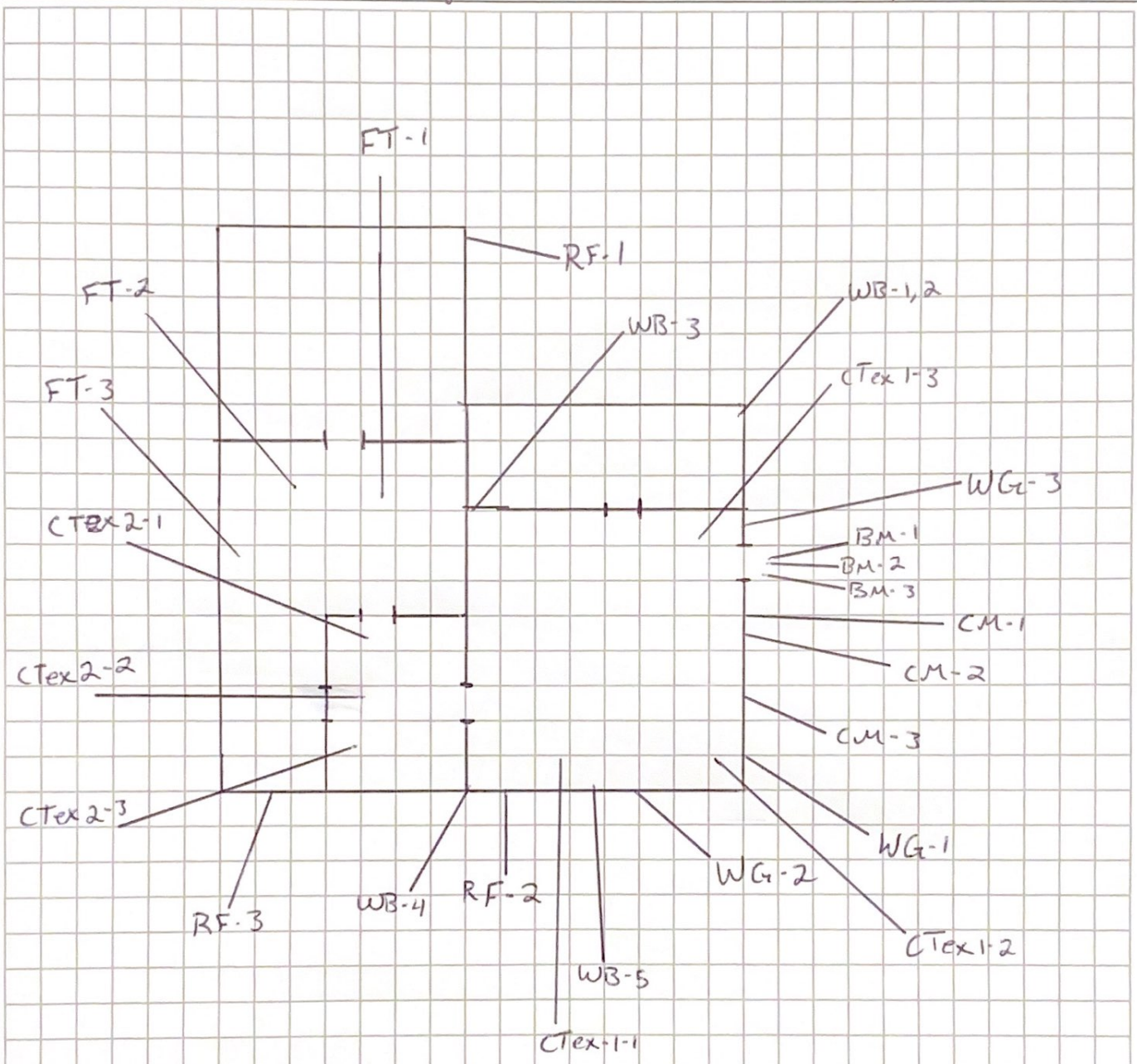
APPENDIX C

SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
ZF	1/4/22			0069.E0001

PROJECT NAME:	SHEET NO
West End Neighborhood Demo - 2314 Winyah 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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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.

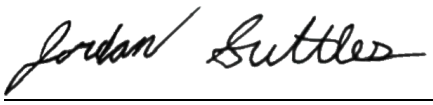
11/7/2022

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



11/7/2022

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 Joint Compound

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	**Y**	**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

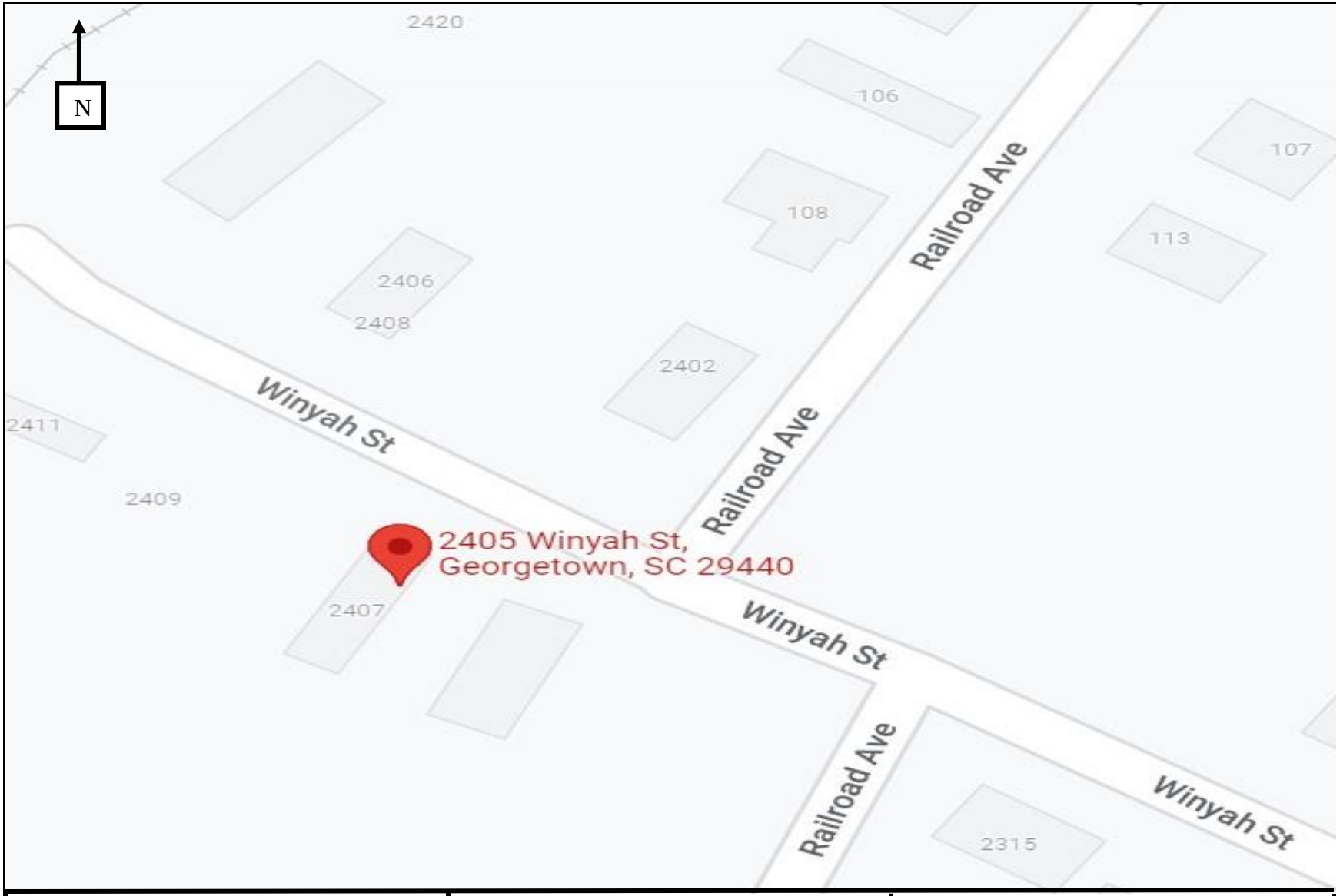


Figure 1 Site Location Map	2405 Winyah Street Georgetown, South Carolina	**SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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
Phone: (704) 504-1717

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

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

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

Project : 2405 Winyah St

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

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
RF-1 2022-9-29-0069.E0001-1	Roofing Material	Black, Orange Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-2 2022-9-29-0069.E0001-2	Roofing Material	Black, Orange Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
BM-1-Brick 2022-9-29-0069.E0001-3	Brick and Mortar	Dark Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Mortar 2022-9-29-0069.E0001-3A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Brick 2022-9-29-0069.E0001-4	Brick and Mortar	Dark Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Mortar 2022-9-29-0069.E0001-4A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Brick 2022-9-29-0069.E0001-5	Brick and Mortar	Dark Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Mortar 2022-9-29-0069.E0001-5A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-1 2022-9-29-0069.E0001-6	Window Glazing	White, Beige Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
WG-2 2022-9-29-0069.E0001-7	Window Glazing				Positive stop (not analyzed)
WG-3 2022-9-29-0069.E0001-8	Window Glazing				Positive stop (not analyzed)
Ctex-1 2022-9-29-0069.E0001-9	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-2 2022-9-29-0069.E0001-10	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-3 2022-9-29-0069.E0001-11	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

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

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

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

Project : 2405 Winyah St

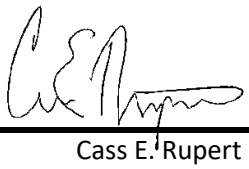
Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
WB-1 2022-9-29-0069.E0001-12	Wallboard	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2 2022-9-29-0069.E0001-13	Wallboard	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3 2022-9-29-0069.E0001-14	Wallboard	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
FT-1 2022-9-29-0069.E0001-15	Floor Tile	Beige, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FT-2 2022-9-29-0069.E0001-16	Floor Tile	Beige, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
JC-1 2022-9-29-0069.E0001-17	Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
JC-2 2022-9-29-0069.E0001-18	Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
JC-3 2022-9-29-0069.E0001-19	Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
JC-4 2022-9-29-0069.E0001-20	Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
JC-5 2022-9-29-0069.E0001-21	Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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.

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: 2022-9-29-0069.E0001

SUMMIT LABORATORIES

2520 Whitehall Park Rd – Suite 250,

Charlotte, NC 28273

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

COMPANY CONTACT INFORMATION	
Company:	Job Contact: L. Smith/ A. Monk
Address:	Email: lsmith@summit-companies.org
	Tel:
	Fax:
Project Name: W.E.N. - 2405 W. Nyah St.	State Collected In: SC
Project ID #: 0069.E0001	

Bill to: ☐ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ☒

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to Summit's Terms and Conditions

COMMENTS: Send to CEI for TEM

☒ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L Smith	9.28.22	FedEx	9.28.22
		[signature]	9-29-22 12:30

Samples will be disposed of 60 days after analysis

SUMMIT
LABORATORIES

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
RF - 1	Roofing material		
- 2	"		
- 3 TEM	"		
BM - 1	Brick + Mortar		
- 2	"		
- 3	"		
WG - 1	Window Glazing		
- 2	"		
- 3	"		
Ctex - 1	Ceiling Texture		
- 2	"		
- 3	"		
WB - 1	Wallboard		
- 2	"		
- 3	"		
FT - 1	Flooring		
- 2	"		
- 3	"		

CHAIN OF CUSTODY

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

LAB USE ONLY:
Summit Order Number: 2022-10-31-0069.E0001

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

COMPANY CONTACT INFORMATION			
Company:	Summit ELT	Job Contact:	A. Monk
Address:	1539 Meeting Street - Suite A	Email:	amonk@summit-companies.com
	Charleston, SC 29405	Tel:	704-965-9235
		Fax:	
Project Name:	2405 Winyah	State Collected In:	SC
Project ID #:	0069.E0001		

Bill to: ☑ Same ☐ Different – If Bill to is different please notate in the comments section.

ASBESTOS	METHOD	TURN AROUND TIME						
		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 ANALYSIS: ☑

IF TURNAROUND TIME IS NOT MARKED STANDARD 5 DAY APPLIES

By submitting samples, you are agreeing to Summit's Terms and Conditions

COMMENTS:

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Julian Zago	10/28/22		10/31/22 1100

Samples will be disposed of 60 days after analysis

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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	"	"	"
-3	"	"	"
-4	"	"	"
-5	"	"	"

eurofins | CEI

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

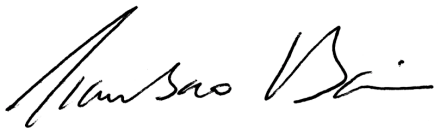
Dear Customer:

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

eurofins | CEI

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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220236
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**

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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: _____
Stacy Ulrich

APPROVED BY: _____
Tianbao Bai, Ph.D., CIH
Laboratory Director

CHAIN OF CUSTODY

Eurofins Built Environment CEI
2752 Pleasant Road, Suite 100A
Fort Mill, SC 29708
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
ECEI Lab Code: ST 220236 (3)
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: 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.

ASBESTOS	METHOD	TURN AROUND TIME					
		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

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Smith	9/29/2022	MA	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

eurofins | CEI

SAMPLING FORM

COMPANY CONTACT INFORMATION	
Company: Summit ELT, P.C.	Job Contact: Logan Smith/A. Monk
Project Name: 2405 Winyah St.	lsmith@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 ■

APPENDIX B

ASBESTOS LICENSES

SCDHEC ISSUED

Asbestos ID Card

Logan Smith

		Expiration Date:
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

		Expiration Date:
AIRSAMPLER	AS-000665	02/17/23
CONSULTBI	BI-002074	02/01/23
SUPERAHERA	SA-003673	02/17/23

APPENDIX C

SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
LF	10.28.22			0069.E0001

PROJECT NAME: West-End Demolition
2405 Winyah Street

SHEET NO ___ OF ___