SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

AHERA/NESHAP ASBESTOS INSPECTION REPORT
110 SOUTH ALEX ALFORD DRIVE
GEORGETOWN, SC

CLIENT:
City of Georgetown
1134 North Fraser Street
Georgetown, SC 29440

LOCATION:
110 South Alex Alford Drive
Georgetown, SC

DATE OF INSPECTION:
December 14, 2022

DATE OF REPORT:
January 18, 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
110 South Alex Alford Drive, 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.

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 110 South Alex Alford Drive, Georgetown, South Carolina.

One (1) residential mobile home 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 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. There were approximately three (3) homogeneous materials observed on the structure. The homogeneous areas are described in detail in section 3.0 of this report.

No Asbestos Containing Materials (ACMs) were encountered in the structure during the course of the inspection.

3.0 SUSPECT MATERIALS

3.1 Ceiling Texture

CTex-1, CTex-2 AND CTex-3

The ceiling texture is located throughout the structure. The material is currently in good condition and is friable with a low potential for damage. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as surfacing. 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 Flooring

FL-1, FL-2 AND FL-3

The flooring is located throughout the structure. The material is currently in good condition and is non-friable with a low potential for damage. The results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified as miscellaneous material. 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 Cinder Block

CB-1, CB-2 AND CB-3

The cinder block foundation 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 results indicated that the material is not classified as an Asbestos Containing Material (ACM). The material is classified 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 the SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM (Y/N)	AMOUNT
CEILING TEXTURE	N	600 SF
FLOORING	N	100 SF
CINDER BLOCK FOUNDATION	N	300 CF

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 110 South Alex Alford Drive, Georgetown, South Carolina.

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

No Asbestos Containing Materials (ACMs) were encountered in the structure during the course of the inspection.

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

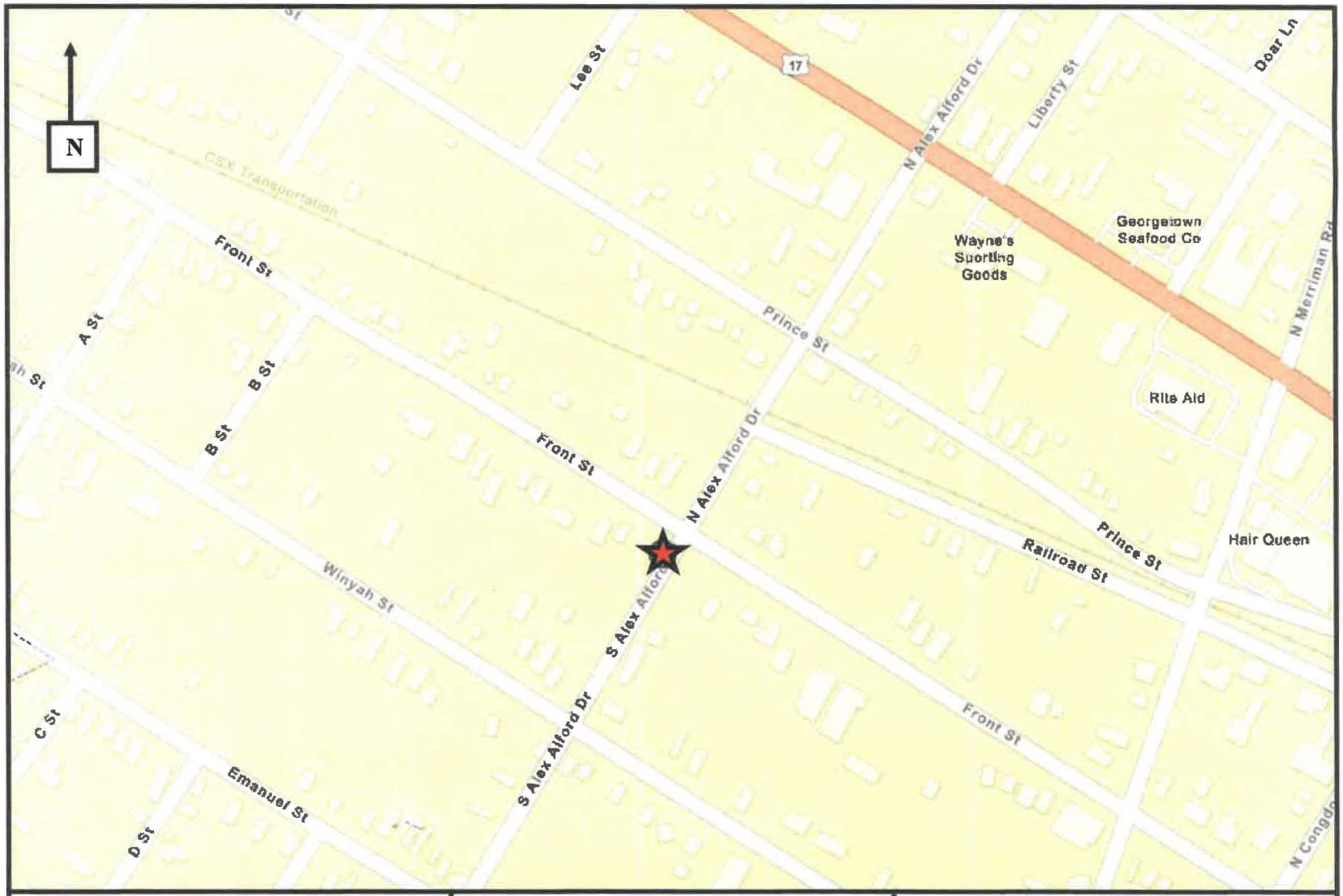

Figure 1 Site Location Map	110 South Alex Alford Drive Georgetown, SC	SUMMIT **SUMMIT ELT, INC** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

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Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: West-End Neighborhood Demo - 110 S. Alex Alford

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

Date Analyzed: 12/20/2022

Date Reported: 12/20/2022

Total Samples Analyzed: 12

 # Samples >1% Asbestos: 0

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 - 110 S. Alex Alford

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 2022-12-19-0069.E0001-1	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-2 2022-12-19-0069.E0001-2	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-3 2022-12-19-0069.E0001-3	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FL-1-Gray Flooring 2022-12-19-0069.E0001-4	Flooring	Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
FL-1-Yellow Flooring 2022-12-19-0069.E0001-4A	Flooring	Yellow Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
FL-1-Mastic 2022-12-19-0069.E0001-4B	Flooring	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FL-2-Gray Flooring 2022-12-19-0069.E0001-5	Flooring	Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
FL-2-Yellow Flooring 2022-12-19-0069.E0001-5A	Flooring	Yellow Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
FL-2-Mastic 2022-12-19-0069.E0001-5B	Flooring	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CB-1 2022-12-19-0069.E0001-6	Cinderblock Foundation	Gray Non-fibrous Homogenous		100% Non-fibrous (other)	None Detected
CB-2 2022-12-19-0069.E0001-7	Cinderblock Foundation	Gray Non-fibrous Homogenous		100% Non-fibrous (other)	None Detected
CB-3 2022-12-19-0069.E0001-8	Cinderblock Foundation	Gray Non-fibrous Homogenous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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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	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.
110 S. Alex Alford

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/16/2022	FedEx	12/16/2022
		[signature]	12/19/22 0945

Samples will be disposed of 60 days after analysis

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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
Ctex-1	Ceiling Texture		
-2	" "		
-3	" "		
FL-1	Flooring		
-2	" "		
-3	" "		
CB-1	Cinderblock Foundation		
-2	" "		
-3	" "		

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December 28, 2022

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

CLIENT PROJECT: West End neighborhood demo - 110 S. Alex Alford, 0069.E0001
LAB CODE: ST220464

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 - 110 S. Alex Alford, 0069. E0001
LAB CODE:	ST220464
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

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ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220464
Date Received: 12-19-22
Date Analyzed: 12-28-22
Date Reported: 12-28-22

Project: West End neighborhood demo - 110 S. Alex Alford, 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 %
FL-3 ST03173	Gray Flooring	0.0533	62.5	27.2	10.3	**None Detected**
FL-3 ST03174	Yellow Flooring	0.0759	84.3	14.4	1.3	**None Detected**
FL-3 ST03175	Cream Mastic	0.0657	22.7	13.4	63.9	**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

Due 12/28/22 5:00pm

CHAIN OF CUSTODY (3)

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

ECEI Lab Code: ST220464
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 - 1105. Alex Alford
Fort Mill, NC 29715	Project ID#: CCC9.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]	12/19/22 1:20pm
[signature]		[signature]	12/19/22 1:20pm

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			
FL-3	gray flooring, yellow flooring, Mastic		PLM	☐	TEM	☒
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
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			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐

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

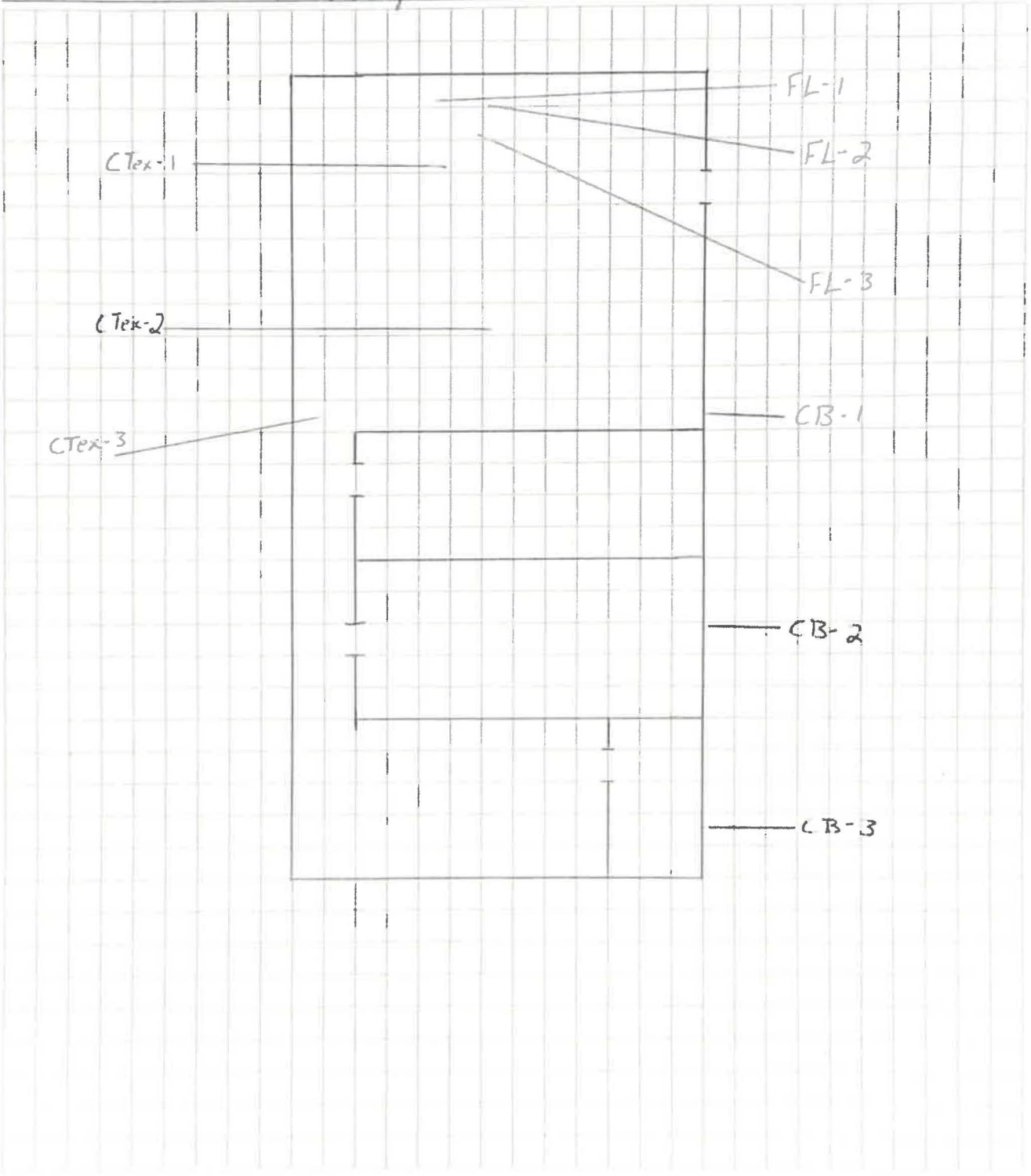
SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
[illegible]	1.10.23			0069.E.0001

PROJECT NAME: West End Neighborhood Demo 110 S. Alex Alford

SHEET NO ___ OF ___



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AHERA/NESHAP ASBESTOS INSPECTION REPORT
406 ALEX ALFORD DRIVE
GEORGETOWN, SC

CLIENT:
City of Georgetown
1134 North Fraser Street
Georgetown, SC 29440

LOCATION:
406 Alex Alford Drive
Georgetown, SC 29440

DATE(S) OF INSPECTION:
January 5, 2023

DATE OF REPORT:
January 23, 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

406 Alex Alford Drive
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.

Julian P. Lago

1/23/2023
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 January 5, 2023, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 406 Alex Alford Drive, 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 nine (9) homogeneous suspect materials observed on the structure. The homogeneous areas are described in detail in section 3.0 of this report.

No Asbestos Containing Materials (ACMs) were encountered in the structure during the course of the inspection.

3.0 SUSPECT MATERIALS

3.1 Ceiling Tile

CT-1, CT-2 AND CT-3

The ceiling texture is found 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 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.

3.2 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 not classified as an Asbestos Containing Material (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 Flooring

FL-1, FL-2 AND FL-3

The sheet flooring/mastic 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.

3.4 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 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.

3.5 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 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.

CBM-1, CBM-2 AND CBM-3

The chimney brick/mortar 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.

3.6 Siding

CSP-1, CSP-2 AND CSP-3

The cementitious siding panels are 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.

SS-1, SS-2 AND SS-3

The asphalt shingle siding 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.

3.7 Roofing

SRC-1, SRC-2 AND SRC-3

The silver roof coating 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 contains <1% Chrysotile and there is approximately 1,200 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.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM?[1] (Y/N)	APPROXIMATE QUANTITY[2]
CEILING TEXTURE	N	900 SF
WALLBOARD/JOINT COMPOUND	N	1,500 SF
FLOORING/MASTIC	N	100 SF
WINDOW GLAZING	N	100 LF
BRICK/MORTAR	N	200 SF
CHIMNEY BRICK/MORTAR	N	60 SF
CEMENTITIOUS SIDING PANELS	N	1,200 SF
ASPHALT ROOFING SHINGLES	N	1,200 SF
SILVER ROOF COATING	N	1,200 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 January 5, 2023, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 406 Alex Alford Drive, 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.

No Asbestos Containing Materials (ACMs) were encountered in the structure during the course of the inspection.

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

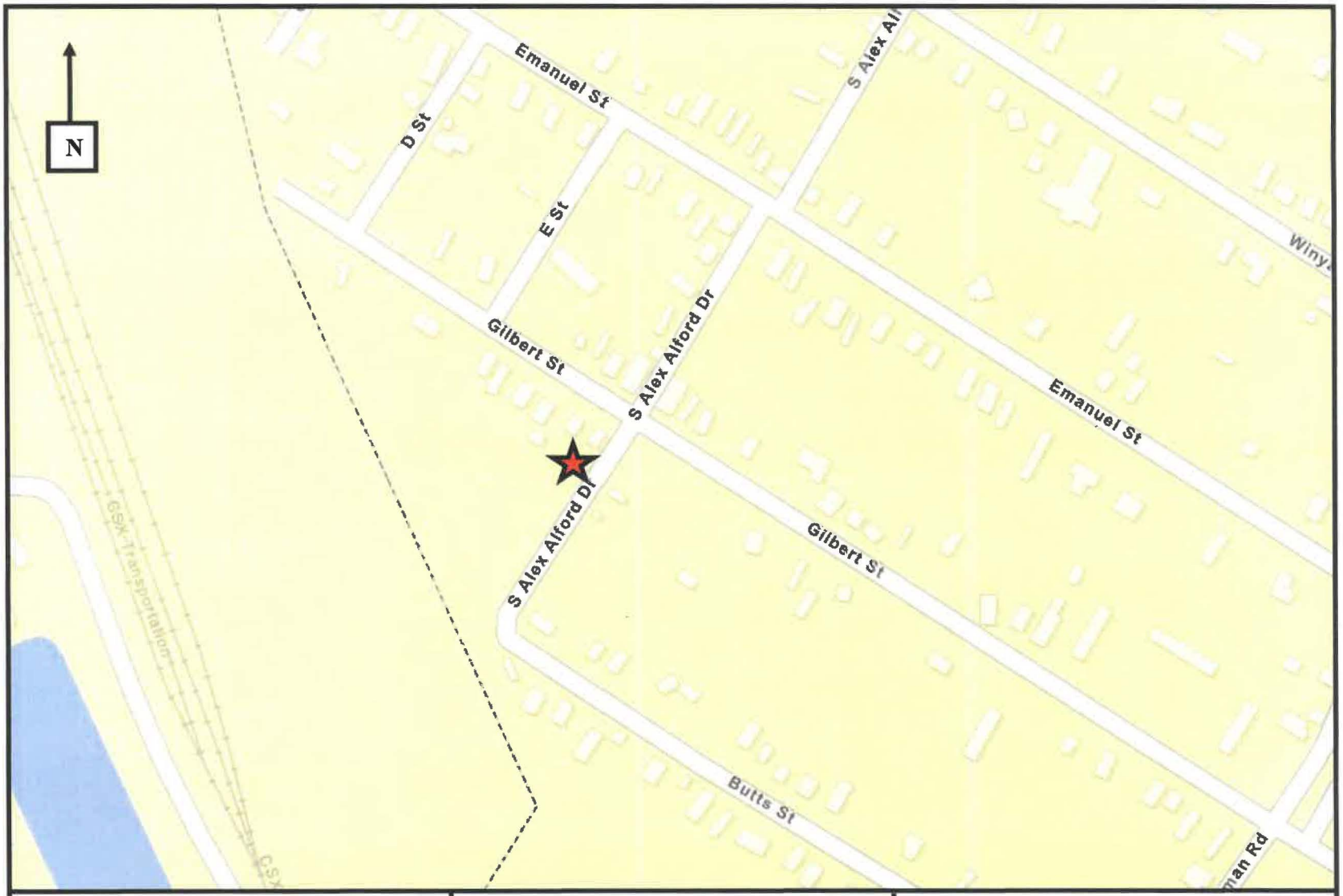

Figure 1 Site Location Map	406 Alex Alford Drive Georgetown, SC	SUMMIT **SUMMIT ELT, INC** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
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A Universal Engineering Sciences Company

Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: West- End Neighborhood - 406 Alex Alford

Summit #: 2023-1-11-0069.E0001

Date Analyzed: 1/17/2023

Date Reported: 1/17/2023

Total Samples Analyzed: 43

 # Samples >1% Asbestos: 0

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

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

Summit Order: 2023-1-11-0069.E0001

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

Date Received: 1/12/2023
Date Analyzed: 1/17/2023
Date Reported: 1/17/2023

Project : West-End Neighborood - 406 Alex Alford

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
CT-1-Texture 2023-1-11-0069.E0001-1	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CT-1-Drywall 2023-1-11-0069.E0001-1A	Ceiling Texture	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
CT-1-Joint Compound 2023-1-11-0069.E0001-1B	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CT-2-Texture 2023-1-11-0069.E0001-2	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CT-2-Drywall 2023-1-11-0069.E0001-2A	Ceiling Texture	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
CT-2-Joint Compound 2023-1-11-0069.E0001-2B	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CT-3-Texture 2023-1-11-0069.E0001-3	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CT-3-Drywall 2023-1-11-0069.E0001-3A	Ceiling Texture	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
CT-3-Joint Compound 2023-1-11-0069.E0001-3B	Ceiling Texture	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-1-Wallboard 2023-1-11-0069.E0001-4	Wallboard and Joint Compound	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-Joint Compound 2023-1-11-0069.E0001-4A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-2-Wallboard 2023-1-11-0069.E0001-5	Wallboard and Joint Compound	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2-Joint Compound 2023-1-11-0069.E0001-5A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-3-Wallboard 2023-1-11-0069.E0001-6	Wallboard and Joint Compound	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

Summit Order: 2023-1-11-0069.E0001

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

Date Received: 1/12/2023
Date Analyzed: 1/17/2023
Date Reported: 1/17/2023

Project : West-End Neighborood - 406 Alex Alford

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-3-Joint Compound 2023-1-11-0069.E0001-6A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-4-Wallboard 2023-1-11-0069.E0001-7	Wallboard and Joint Compound	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-4-Joint Compound 2023-1-11-0069.E0001-7A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-5-Wallboard 2023-1-11-0069.E0001-8	Wallboard and Joint Compound	Gray, White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-5-Joint Compound 2023-1-11-0069.E0001-8A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FL-1-Flooring 2023-1-11-0069.E0001-9	Flooring and Mastic	Brown Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
FL-1-Mastic 2023-1-11-0069.E0001-9A	Flooring and Mastic	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FL-2-Flooring 2023-1-11-0069.E0001-10	Flooring and Mastic	Brown Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
FL-2-Mastic 2023-1-11-0069.E0001-10A	Flooring and Mastic	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-1 2023-1-11-0069.E0001-11	Window Glazing	Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-2 2023-1-11-0069.E0001-12	Window Glazing	Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Brick 2023-1-11-0069.E0001-13	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-1-Mortar 2023-1-11-0069.E0001-13A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-2-Brick 2023-1-11-0069.E0001-14	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

Summit Order: 2023-1-11-0069.E0001

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

Date Received: 1/12/2023
Date Analyzed: 1/17/2023
Date Reported: 1/17/2023

Project : West-End Neighborood - 406 Alex Alford

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 2023-1-11-0069.E0001-14A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Brick 2023-1-11-0069.E0001-15	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BM-3-Mortar 2023-1-11-0069.E0001-15A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CBM-1 2023-1-11-0069.E0001-16	Chimney Brick and Mortar	Gray, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CBM-2 2023-1-11-0069.E0001-17	Chimney Brick and Mortar	Gray, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CBM-3 2023-1-11-0069.E0001-18	Chimney Brick and Mortar	Gray, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CSP-1 2023-1-11-0069.E0001-19	Cementitious Siding Panels	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
CSP-2 2023-1-11-0069.E0001-20	Cementitious Siding Panels	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
CSP-3 2023-1-11-0069.E0001-21	Cementitious Siding Panels	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
SS-1-Shingle 2023-1-11-0069.E0001-22	Asphalt Shingle Siding	Red, Black Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
SS-1-Felt 2023-1-11-0069.E0001-22A	Asphalt Shingle Siding	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
SS-2-Shingle 2023-1-11-0069.E0001-23	Asphalt Shingle Siding	Red, Black Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
SS-2-Felt 2023-1-11-0069.E0001-23A	Asphalt Shingle Siding	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
SRC-1 2023-1-11-0069.E0001-24	Silver Roof Coating	Black, Silver Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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

Summit Order: 2023-1-11-0069.E0001

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

Date Received: 1/12/2023
Date Analyzed: 1/17/2023
Date Reported: 1/17/2023

Project : West-End Neighborood - 406 Alex Alford

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
SRC-2 2023-1-11-0069.E0001-25	Silver Roof Coating	Black, Silver Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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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 percebtage of asbestos reported is a midpoint within an accetptable 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
(Refractive index is adjusted according to temperature)

Analyst(s): Cass E. Rupert

Approved By: Maria Cao
Approved Signatory

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

CHAIN OF CUSTODY

SUMMIT
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A Universal Engineering Sciences Company

LAB USE ONLY:
Summit Order Number: 2023-1-12-0069.E0001

3575 Centre Circle, Fort Mill, SC 29715
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:	843-277-4986 / 704-695-9235
Project Name:	West-End Neighborhood - 406 Alex Alford	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 CEI on 3 day turn.

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Julian P. Lago	1/11/2023	M. Cao	1/12/23

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 - Charleston	Job Contact: J. Lago / A. Monk
Project Name: West-End Neighborhood - 406 Alex Alford	
Project ID #: 0069.E0001	Tel: 843-277-4986 / 704-695-9235

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
CT-1	CEILING TEXTURE	HA-1	1/5/2023
-2	"	"	"
-3	"	"	"
WB-1	WALLBOARD/JOINT COMPOUND	HA-2	"
-2	"	"	"
-3	"	"	"
-4	"	"	"
-5	"	"	"
FL-1	FLOORING/MASTIC	HA-3	"
-2	"	"	"
-3	"	"	"
WG-1	WINDOW GLAZING	HA-4	"
-2	"	"	"
-3	"	"	"
BM-1	BRICK / MORTAR	HA-5	"
-2	"	"	"
-3	"	"	"
CBM-1	CHIMNEY BRICK / MORTAR	HA-6	"
-2	"	"	"
-3	"	"	"
CSP-1	CEMENTITIOUS SIDING PANELS	HA-7	"
-2	"	"	"
-3	"	"	"
SS-1	ASPHALT SHINGLE SIDING	HA-8	"
-2	"	"	"
-3	"	"	"
SRC-1	SILVER ROOF COATING	HA-9	"
-2	"	"	"
-3	"	"	"

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January 17, 2023

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

CLIENT PROJECT: West-End Neighborhood - 406 Alex Alford; 0069.E0001
LAB CODE: ST230047

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on January 12, 2023. 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 - 406 Alex Alford; 0069.E0001

LAB CODE: ST230047

TEST METHOD: Bulk Chatfield
EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 01/17/23

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

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ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST230047
Date Received: 01-12-23
Date Analyzed: 01-17-23
Date Reported: 01-17-23

Project: West-End Neighborhood - 406 Alex Alford; 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 %
FL-3 ST03500	Brown Flooring	0.0509	44.8	30.1	25.1	**None Detected**
FL-3 ST03501	Yellow Mastic	0.121	45.9	32.1	22	**None Detected**
WG-3 ST03502	Off-White Window Glazing	0.3551	11.7	84.7	3.6	**None Detected**
SS_3 ST03503	Red,Black Shingle	0.4224	44.8	7.5	47.7	**None Detected**
SS_3 ST03504	Black Felt Paper	0.1955	94.4	3.1	2.5	**None Detected**
SRC-3 ST03505	Silver Paint	0.1176	66.6	3.7	29.7	**<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 (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

Due: 1/17/23 @17:00 (4)

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CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
ECEI Lab Code: ST230047
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: West End Neighborhood - 406 Mex Hford
	Project ID#: 0069.F0001
Email:	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 analyze only layers listed on the COC	☒ Accept Samples ☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
M. Cao	1/12/2023	MA	1/12/23 @16:40

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

Page _____ of _____

Version: CCOC.07.18.1/2.LD

eurofins | CEI

SAMPLING FORM

COMPANY CONTACT INFORMATION

Company: Summit ELT, P.C.	Job Contact:
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
FL-3	Flooring | Mastic		PLM ☐	TEM ☑
WG-3	Window Glazing		PLM ☐	TEM ☐
SS-3	Shingle | Felt		PLM ☐	TEM ☐
SRC-3	Silver Roof Coating		PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			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 ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

Page _______of _______

APPENDIX B

INSPECTOR'S LICENSES

SCDHEC ISSUED

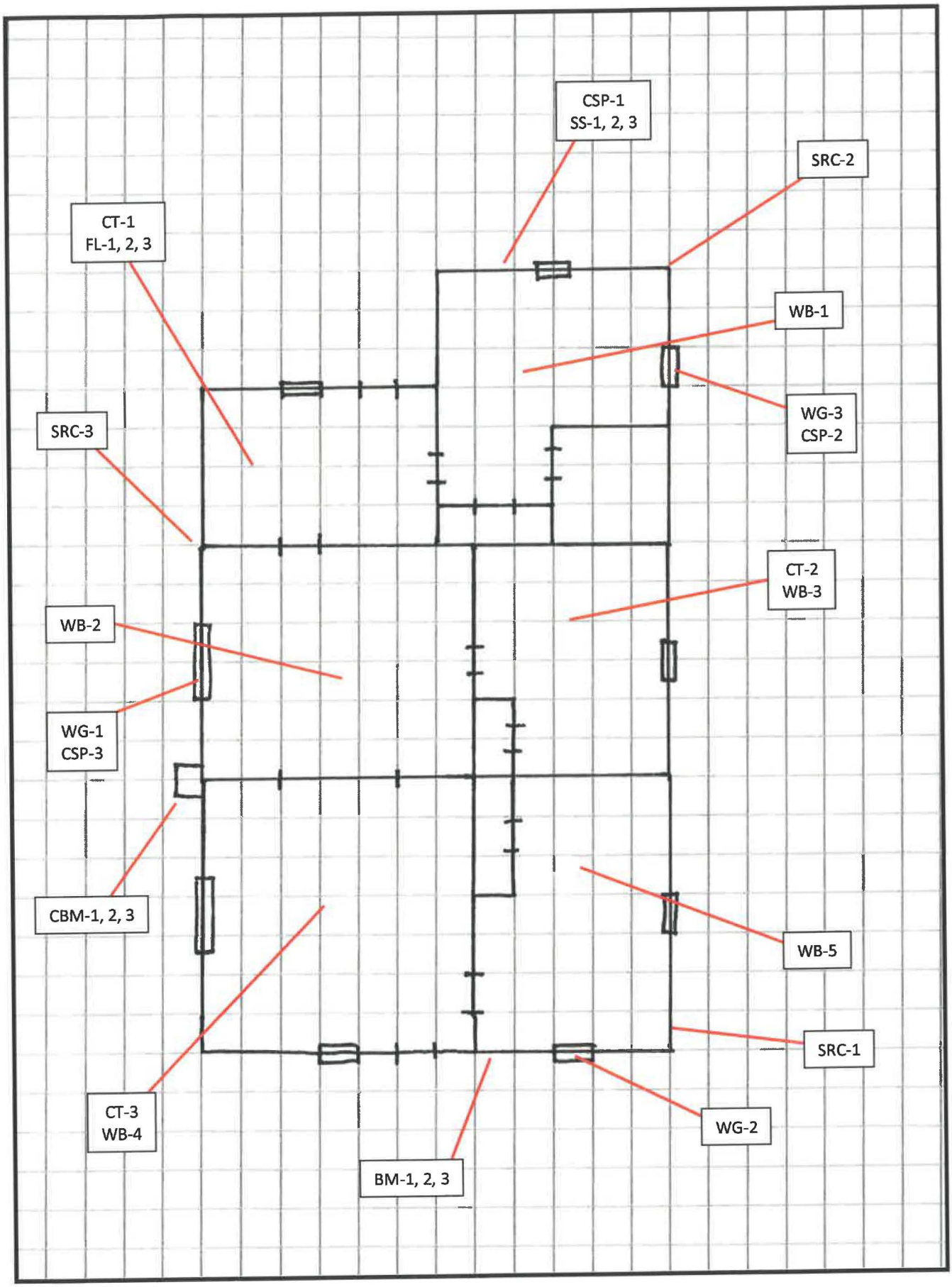
Asbestos ID Card

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


CSP-1
SS-1, 2, 3
SRC-2
CT-1
FL-1, 2, 3
WB-1
WG-3
CSP-2
SRC-3
CT-2
WB-3
WB-2
WG-1
CSP-3
CBM-1, 2, 3
WB-5
SRC-1
CT-3
WB-4
WG-2
BM-1, 2, 3

AHERA/NESHAP ASBESTOS INSPECTION REPORT
207 H AVENUE
RESIDENTIAL PROPERTY

CLIENT:
City of Georgetown
1134 North Fraser Street
Georgetown, SC 29440

LOCATION:
207 H Avenue
Georgetown, SC

DATE OF INSPECTION:
September 28, 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
207 H Avenue, Georgetown, SC

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B Asbestos Inspector's License
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.

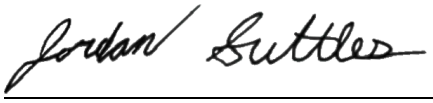
11/7/2022

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 28, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 207 H Avenue, 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. Five (5) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

No Asbestos Containing Materials (ACMs) were identified within the interior or exterior of the structure.

3.0 SUSPECT MATERIALS

3.1 Window Glaze

WG-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 Brick & Mortar

BM-1, 2 AND 3

The brick/mortar was sampled from the exterior 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 Ceiling Texture

CTEX-1, 2 AND 3

The interior ceiling texture was sampled from the ceiling within 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 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 Floor Tile

FT-1, 2 AND 3

The floor tile was sampled from 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, 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 Cementitious Fiber Board

TR-1, 2 AND 3

The cementitious fiber board 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 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
WINDOW GLAZE	N	60 LF
BRICK & MORTAR	N	250 SF
CEILING TEXTURE	N	800 SF
FLOOR TILE	N	500 SF
CEMENTITIOUS FIBER BOARD	N	10 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 28, 2022, SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) performed an AHERA/NESHAP Asbestos Inspection for 207 H Avenue, 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.

No Asbestos Containing Materials (ACMs) were identified within the interior or exterior of the structure.

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	207 H Avenue 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: 207 H Avenue

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

Date Analyzed: 10/4/2022

Date Reported: 10/4/2022

Total Samples Analyzed: 18

 # Samples >1% Asbestos: 0

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 : 207 H Avenue

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
WG-1 2022-9-29-0069.E0001-1	Window Glazing	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-2 2022-9-29-0069.E0001-2	Window Glazing	White, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BR-1-Brick 2022-9-29-0069.E0001-3	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BR-1-Mortar 2022-9-29-0069.E0001-3A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BR-2-Brick 2022-9-29-0069.E0001-4	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BR-2-Mortar 2022-9-29-0069.E0001-4A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BR-3-Brick 2022-9-29-0069.E0001-5	Brick and Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
BR-3-Mortar 2022-9-29-0069.E0001-5A	Brick and Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-1 2022-9-29-0069.E0001-6	Ceiling Texture	White, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-2 2022-9-29-0069.E0001-7	Ceiling Texture	White, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-3 2022-9-29-0069.E0001-8	Ceiling Texture	White, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FT-1-Floor Tile 2022-9-29-0069.E0001-9	Floor Tile	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FT-1-Mastic 2022-9-29-0069.E0001-9A	Floor Tile	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FT-2-Floor Tile 2022-9-29-0069.E0001-10	Floor Tile	Gray 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 : 207 H Avenue

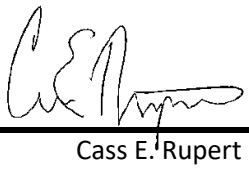
Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
FT-2-Mastic 2022-9-29-0069.E0001-10A	Floor Tile	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
TR-1 2022-9-29-0069.E0001-11	Cementitious Board	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
TR-2 2022-9-29-0069.E0001-12	Cementitious Board	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
TR-3 2022-9-29-0069.E0001-13	Cementitious Board	Gray Fibrous Homogeneous	20% Cellulose	80% 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. - 207 H Avenue	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

SAMPLING FORM

LAB USE ONLY:
Summit Order Number:

COMPANY CONTACT INFORMATION	
Company:	Job Contact: L. Smith / A. Monk
Project Name: W.F.N. - 207 H Avenue	lsmith@summit-companies.com
Project ID #: 2069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
WG-1	Window Glaze		
-2	"		
-3	"		
BR-1	Brick & Mortar		
-2	"		
-3	"		
CTex-1	Ceiling Texture		
-2	"		
-3	"		
FT-1	Floor Tile		
-2	"		
-3	"		
TR-1	Cementitious fiber board		
-2	"		
-3	"		

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October 5, 2022

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

CLIENT PROJECT: 207 H Ave., 0069.E0001
LAB CODE: ST220237

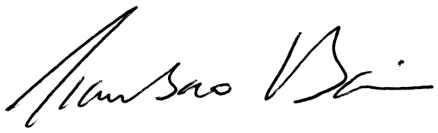
Dear Customer:

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: 207 H Ave., 0069.E0001

LAB CODE: ST220237

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: ST220237
Date Received: 09-29-22
Date Analyzed: 10-05-22
Date Reported: 10-05-22

Project: 207 H Ave., 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 %
WG-3 ST01598	Window Glaze	0.5935	10.2	86.3	3.5	**None Detected**
FT-3 ST01599	Floor Tile	0.3472	35.9	61.6	2.5	**None Detected**
FT-3 ST01600	Mastic	0.0465	54.2	4.3	41.5	**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: _____
Stacy Ulrich

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

eurofins | CEI

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: SF 220 237 (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: 207 H Ave.
	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: 207 H Ave.	lsmith@summit-companies.com
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
WG-3	window glaze		PLM ☐	TEM ■
FT-3	floor tile and mastic		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

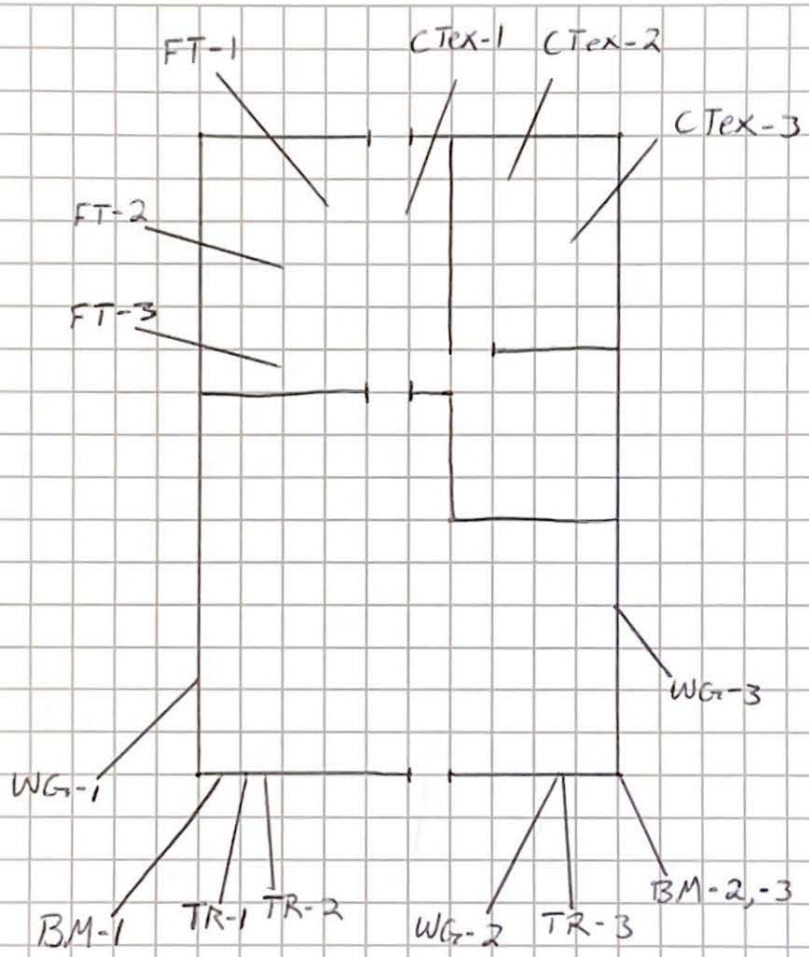
SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

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

PROJECT NAME: West End Demolition
207 H Avenue

SHEET NO ___ OF ___



AHERA/NESHAP ASBESTOS INSPECTION REPORT
105 RAILROAD AVE
RESIDENTIAL PROPERTY

CLIENT:
City of Georgetown
1134 North Fraser Street
Georgetown, SC 29440

LOCATION:
105 Railroad Ave
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
105 Railroad Ave, 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.

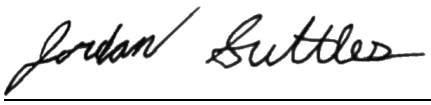
11/7/2022

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 Supervision 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 Supervision 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 105 Railroad Ave, Georgetown, South Carolina.

One (1) mobile home exists at the site. The building was not occupied at the time of inspection. The building contains no masonry exterior or foundation and the roof appears to be comprised of metal only. 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. Two (2) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

No Asbestos Containing Materials (ACMs) were identified within the structure.

3.0 SUSPECT MATERIALS

3.1 Wallboard

WB-1, 2 AND 3

The wallboard was sampled from 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 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 Flooring

FT-1, 2 AND 3

The flooring was sampled from inside 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
Wallboard	N	950 SF
Flooring	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 Asbestos Inspection for 105 Railroad Ave, Georgetown, South Carolina.

One (1) mobile home exists at the site. The building was not occupied at the time of inspection. The building contains no masonry exterior or foundation and the roof appears to be comprised of metal only. The detailed map showing sample locations throughout the structure can be found in SUMMIT Documentation. The structure is intended to be demolished.

No Asbestos Containing Materials (ACMs) were identified within the structure.

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

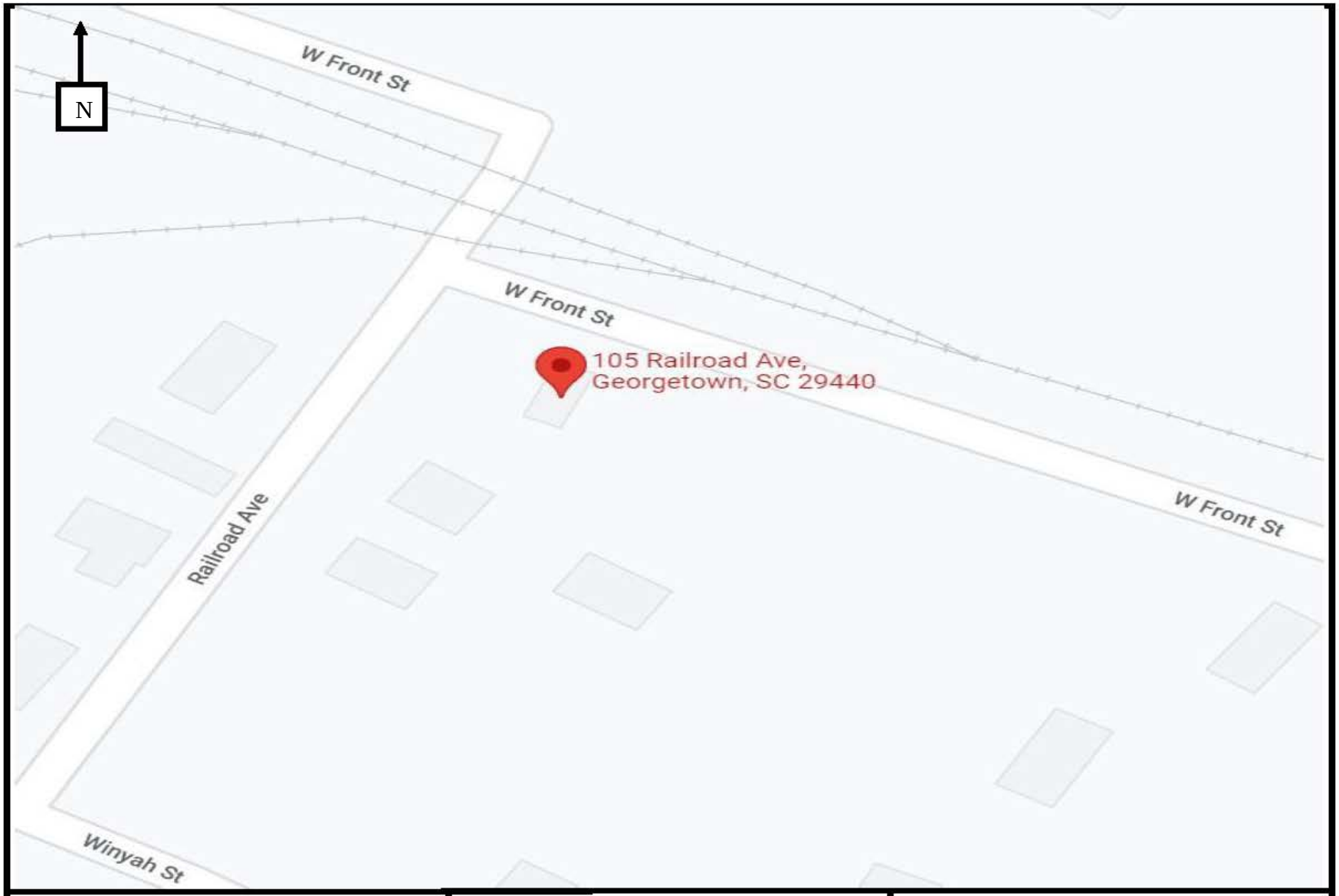


Figure 1 Site Location Map	105 Railroad Ave Georgetown, South Carolina	**SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 105 Railroad Ave.

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

Date Analyzed: 10/3/2022

Date Reported: 10/3/2022

Total Samples Analyzed: 5

 # Samples >1% Asbestos: 0

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 : 105 Railroad Ave

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.E0001-1	Wallboard	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2 2022-9-29-0069.E0001-2	Wallboard	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3 2022-9-29-0069.E0001-3	Wallboard	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
FT-1 2022-9-29-0069.E0001-4	Floor Tile	Green, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FT-2 2022-9-29-0069.E0001-5	Floor Tile	Green, Gray 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. - 105 Railroad Ave	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
		Matthew Smith	9-29-22 12:30

Samples will be disposed of 60 days after analysis

SUMMIT
LABORATORIES

SAMPLING FORM

LAB USE ONLY:
Summit Order Number:

COMPANY CONTACT INFORMATION	
Company:	Job Contact: L. Smith / A. Monk
Project Name: W.E.N. - 105 Railroad Ave.	lsmith@summit-companies.com
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
WB-1	Wallboard		
-2	"		
-3	"		
FT-1	Flooring		
-2	"		
-3 (TEM)	"		

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October 5, 2022

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

CLIENT PROJECT: 105 Railroad Ave., 0069.E0001
LAB CODE: ST220235

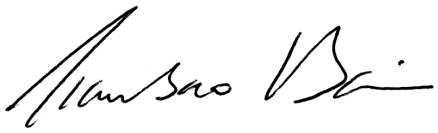
Dear Customer:

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: 105 Railroad Ave., 0069.E0001

LAB CODE: ST220235

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: ST220235
Date Received: 09-29-22
Date Analyzed: 10-05-22
Date Reported: 10-05-22

Project: 105 Railroad Ave., 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 %
FT-3 ST01594	Flooring	0.2051	31.7	66.2	2.1	**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:	ST220235 (1)
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: 105 Railroad Ave.
	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: 105 Railroad Ave	lsmith@summit-companies.com
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
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

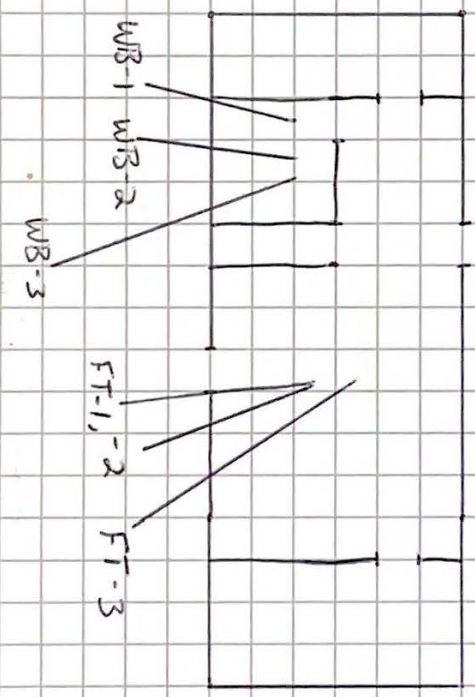
APPENDIX C

SUMMIT DOCUMENTATION

SUMMIT
ENGINEERING • LABORATORY • TESTING

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

PROJECT NAME: West - End Demolition 105 Railroad Ave	SHEET NO ___ OF ___



SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

AHERA/NESHAP ASBESTOS INSPECTION REPORT
104 RAILROAD AVENUE
RESIDENTIAL PROPERTY

CLIENT:
City of Georgetown
1134 North Fraser Street
Georgetown, SC 29440

LOCATION:
104 Railroad Avenue
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
104 Railroad Avenue, Georgetown, SC

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- 3.2 Brick and Mortar 3
- 3.3 Window Glazing 3
- 3.4 Ceiling Texture 3
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5.0 CONCLUSIONS AND RECOMMENDATIONS 6

FIGURES

1.0 Site Location Map

LIST OF APPENDICES

A Analytical Results
B Asbestos Inspector's License
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.

1/20/2023

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 104 Railroad Avenue, Georgetown, South Carolina.

One (1) dilapidated residential structure. The structure and sections of the ceiling have collapsed. A fire has occurred at the property and structural members appear to have been affected. The building is currently not occupied. The structure is likely a hazard to occupants. 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. Seven (7) homogeneous areas were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

No Asbestos Containing Materials (ACMs) were identified within the structure:

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 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-1-1, 2, 3, 4 AND 5

The 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, 3, 4, 5, 6 AND 7

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 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.

3.6 Kitchen Back Splash

KB-1, 2 AND 3

The kitchen back splash 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.

3.7 Flooring

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 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	1,800
BRICK AND MORTAR	N	1,600
WINDOW GLAZING	N	75 LF
CEILING TEXTURE	N	1,700 SF
WALLBOARD/JOINT COMPOUND	N	3,500 SF
KITCHEN BACK SPLASH	N	30 SF
FLOORING	N	550 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 104 Railroad Avenue, Georgetown, South Carolina.

One (1) dilapidated residential structure. The structure and sections of the ceiling have collapsed. A fire has occurred at the property and structural members appear to have been affected. The building is currently not occupied. The structure is likely a hazard to occupants. 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.

No Asbestos Containing Materials (ACMs) were identified within the structure:

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

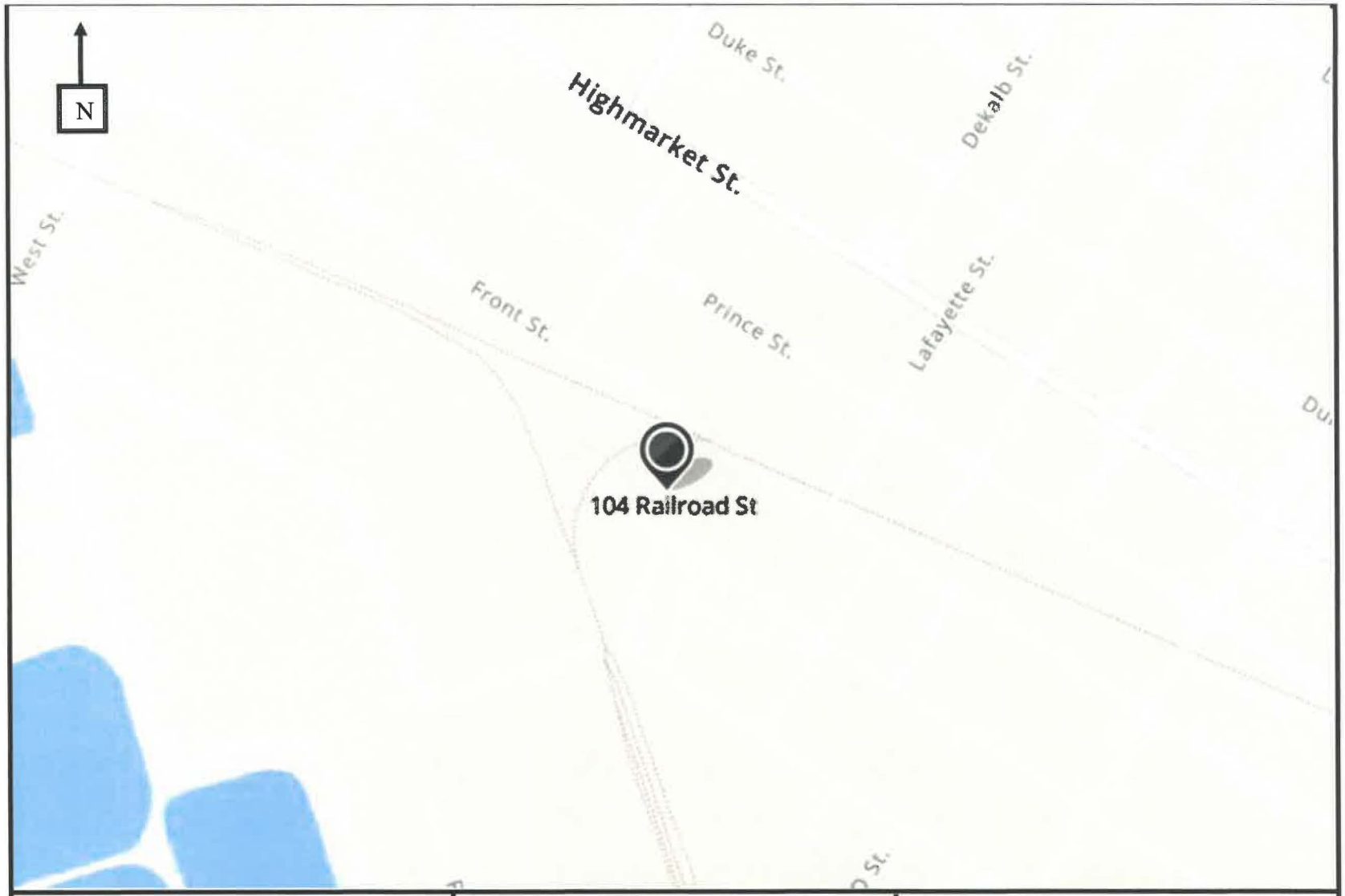

Figure 1 Site Location Map	104 Railroad St Georgetown, South Carolina	SUMMIT **SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: West-End Nieghborhood Demo - 104 Railroad Ave

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

Date Analyzed: 11/23/2022

Date Reported: 11/23/2022

Total Samples Analyzed: 39

 # Samples >1% Asbestos: 0

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: 11/23/2022
Date Reported: 11/23/2022

Project : West-End Nieghborhood Demo - 104 Railroad Ave

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 2022-11-21-0069.E0001-1	Roofing Material	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
RF-2 2022-11-21-0069.E0001-2	Roofing Material	Black Fibrous Homogeneous	5% Glass	95% 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	Gray No-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	Gray No-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	Gray No-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-1 2022-11-21-0069.E0001-6	Window Glazing	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-2 2022-11-21-0069.E0001-7	Window Glazing	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-1 2022-11-21-0069.E0001-8	Ceiling Texture	White, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-2 2022-11-21-0069.E0001-9	Ceiling Texture	White, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-3 2022-11-21-0069.E0001-10	Ceiling Texture	White, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Ctex-4 2022-11-21-0069.E0001-11	Ceiling Texture	White, Gray 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: 11/23/2022
Date Reported: 11/23/2022

Project : West-End Nieghborhood Demo - 104 Railroad Ave

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-5 2022-11-21-0069.E0001-12	Ceiling Texture	White, Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-1-Wallboard 2022-11-21-0069.E0001-13	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-Joint Compound 2022-11-21-0069.E0001-13A	Wallboard and Joint Compound	Brown Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-2-Wallboard 2022-11-21-0069.E0001-14	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2-Joint Compound 2022-11-21-0069.E0001-14A	Wallboard and Joint Compound	Brown Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-3-Wallboard 2022-11-21-0069.E0001-15	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3-Joint Compound 2022-11-21-0069.E0001-15A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-4-Wallboard 2022-11-21-0069.E0001-16	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-4-Joint Compound 2022-11-21-0069.E0001-16A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-5-Wallboard 2022-11-21-0069.E0001-17	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-5-Joint Compound 2022-11-21-0069.E0001-17A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-6-Wallboard 2022-11-21-0069.E0001-18	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-6-White Joint Compound 2022-11-21-0069.E0001-18A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-6-Brown Joint Compound 2022-11-21-0069.E0001-18B	Wallboard and Joint Compound	Brown 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: 11/23/2022
Date Reported: 11/23/2022

Project : West-End Nieghborhood Demo - 104 Railroad Ave

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-7-Wallboard 2022-11-21-0069.E0001-19	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-7-White Joint Compound 2022-11-21-0069.E0001-19A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-7-Brown Joint Compound 2022-11-21-0069.E0001-19B	Wallboard and Joint Compound	Brown Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
KB-1-Back Splash 2022-11-21-0069.E0001-20	Kitchen Back Splash Board and Mastic	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
KB-1-Mastic 2022-11-21-0069.E0001-20A	Kitchen Back Splash Board and Mastic	Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
KB-2-Back Splash 2022-11-21-0069.E0001-21	Kitchen Back Splash Board and Mastic	Brown Fibrous Homogenous	95% Cellulose	5% Non-fibrous (other)	None Detected
KB-2-Mastic 2022-11-21-0069.E0001-21A	Kitchen Back Splash Board and Mastic	Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FL-1-Beige Flooring 2022-11-21-0069.E0001-22	Flooring	Pink, Beige Fibrous Homogeneous	5% Cellulose 2% Glass	93% Non-fibrous (other)	None Detected
FL-1-Yellow Flooring 2022-11-21-0069.E0001-22A	Flooring	Yellow Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
FL-2-Beige Flooring 2022-11-21-0069.E0001-23	Flooring	Pink, Beige Fibrous Homogeneous	5% Cellulose 2% Glass	93% Non-fibrous (other)	None Detected
FL-2-Yellow Flooring 2022-11-21-0069.E0001-23A	Flooring	Yellow Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

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ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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.
104 Railroad Ave.

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L Smith	11.15.22	FedEx	11.15.22
			11/16/22 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 Glaze		
-2	"		
-3	"		
CTex-1	Ceiling Texture		
-2	"		
-3	"		
-4	"		
-5	"		
WB-1	Wallboard / Joint Compand		
-2	"		
-3	"		
-4	"		
-5	"		
-6	"		
-7	"		
KB-1	Kitchen Backsplash Board + Mastic		
-2	"		
-3	"		
FL-1	Flooring		
-2	"		
-3	"		

Due 11/30 5:00pm

eurofins | CEI

CHAIN OF CUSTODY (5)

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

ECEI Lab Code:
ST220412
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 - 104 Railroad Ave
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	[signature]	11/21 2:18 pm

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:	Job Contact: Logan Smith / Tony Monk
Project Name: West-End Neighborhood Demo - 104 Railroad Ave	
Project ID #: 0069.E0001	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
RF-3	Roofing (shingle)		PLM ☐	TEM ☑
WG-3	Window Glazing		PLM ☐	TEM ☑
KB-3	Mastic		PLM ☐	TEM ☑
FL-3	Pink flooring; yellow flooring		PLM ☐	TEM ☑
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

Page 2 of 2

Version: CCOC.01.22.2/2.LM-FM

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November 22, 2022

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

CLIENT PROJECT: West-End Neighborhood Demo - 104 Railroad Ave., 0069.E0001
LAB CODE: ST220412

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

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ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT:	West-End Neighborhood Demo - 104 Railroad Ave., 0069. E0001
LAB CODE:	ST220412
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

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ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220412
Date Received: 11-21-22
Date Analyzed: 11-22-22
Date Reported: 11-22-22

Project: West-End Neighborhood Demo - 104 Railroad Ave., 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 ST02732	Black Shingle	0.2803	27.1	36.4	36.5	**None Detected**
WG-3 ST02733	White Window Glazing	0.175	12.3	83.1	4.6	**None Detected**
KB-3 ST02734	Tan Mastic	0.0454	33.5	29.3	37.2	**None Detected**
FL-3 ST02735	Pink Vinyl Sheet Flooring	0.0834	69.1	11.4	19.5	**None Detected**
FL-3 ST02736	Yellow Vinyl Sheet Flooring	0.0946	76.3	14.4	9.3	**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: Miguel Angel Maysonet

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

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

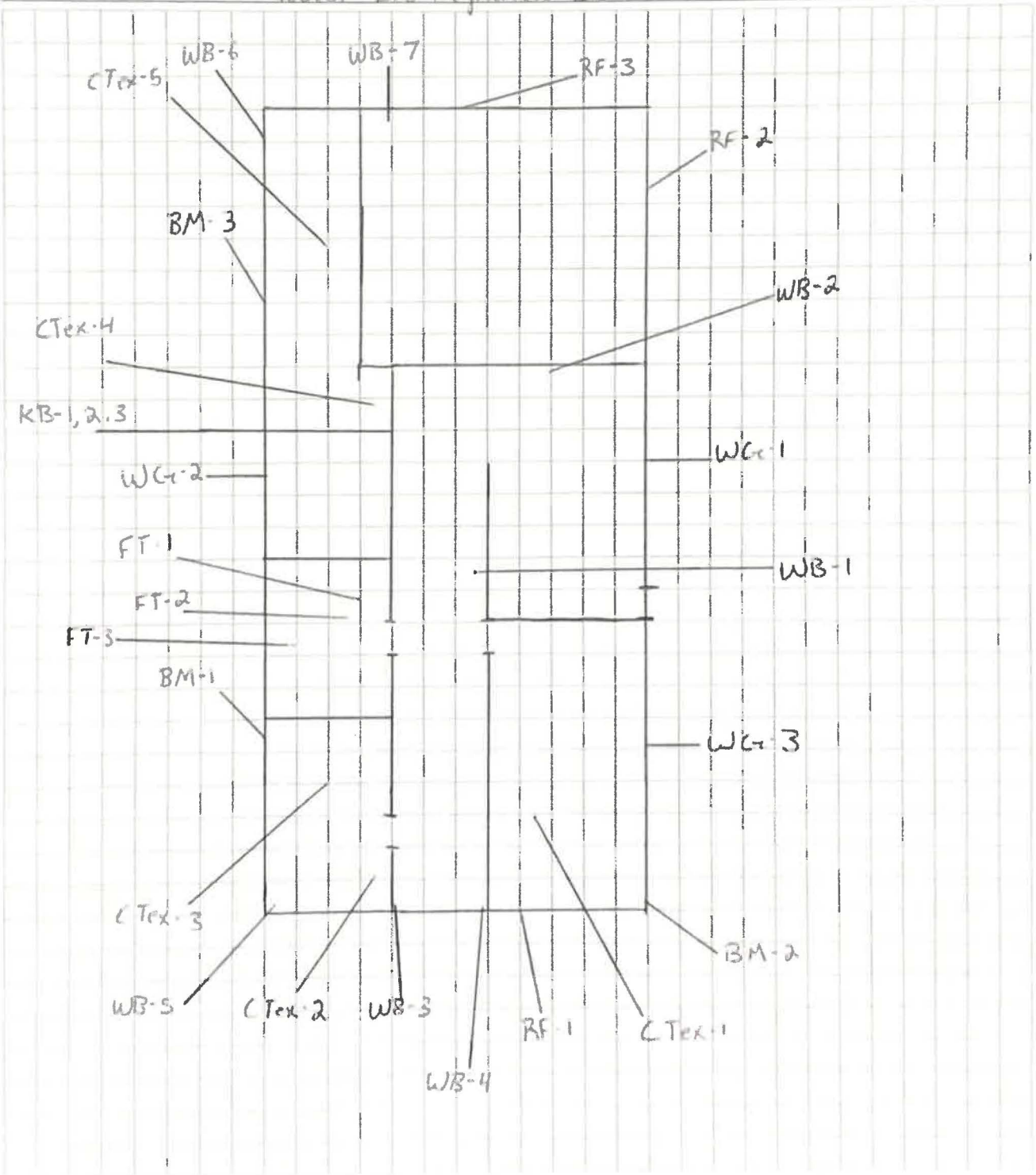
APPENDIX C

SUMMIT DOCUMENTATION

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
LF	1/4/23			0069 E 0021

PROJECT NAME: West - End Neighborhood Demo - 104 Railroad Ave

SHEET NO ___ OF ___



SITE PHOTOGRAPHS

House structure

Inside of structure

Inside of structure showing structural damage

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

AHERA/NESHAP ASBESTOS INSPECTION REPORT
2012 WINYAH STREET
GEORGETOWN, SC

CLIENT:
City of Georgetown
1134 North Fraser Street
Georgetown, SC 29440

LOCATION:
2012 Winyah 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

2012 Winyah Street
Georgetown, SC

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5.0 CONCLUSIONS AND RECOMMENDATIONS 5

LIST OF FIGURES

1 Site Location Map

LIST OF APPENDICES

A Analytical Results
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 2012 Winyah 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 three (3) homogeneous suspect materials observed on the structure. The homogeneous areas are described in detail in section 3.0 of this report.

No Asbestos Containing Materials (ACMs) were encountered in the structure during the course of inspection.

3.0 SUSPECT MATERIALS

3.1 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.

3.2 Cinder Block

CB-1, CB-2 AND CB-3

The cinder block 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.

3.3 Wallboard System

WG-1, WG-2 AND WG-3

The wallboard/joint compound is located throughout the structure. The material is currently in 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 an Asbestos Containing Material (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.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM?[1] (Y/N)	APPROXIMATE QUANTITY[2]
WINDOW GLAZING	N	50 LF
CINDER BLOCK	N	150 CF
WALLBOARD/JOINT COMPOUND	N	750 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 2012 Winyah 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.

No Asbestos Containing Materials (ACMs) were encountered in the structure during the course of inspection.

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

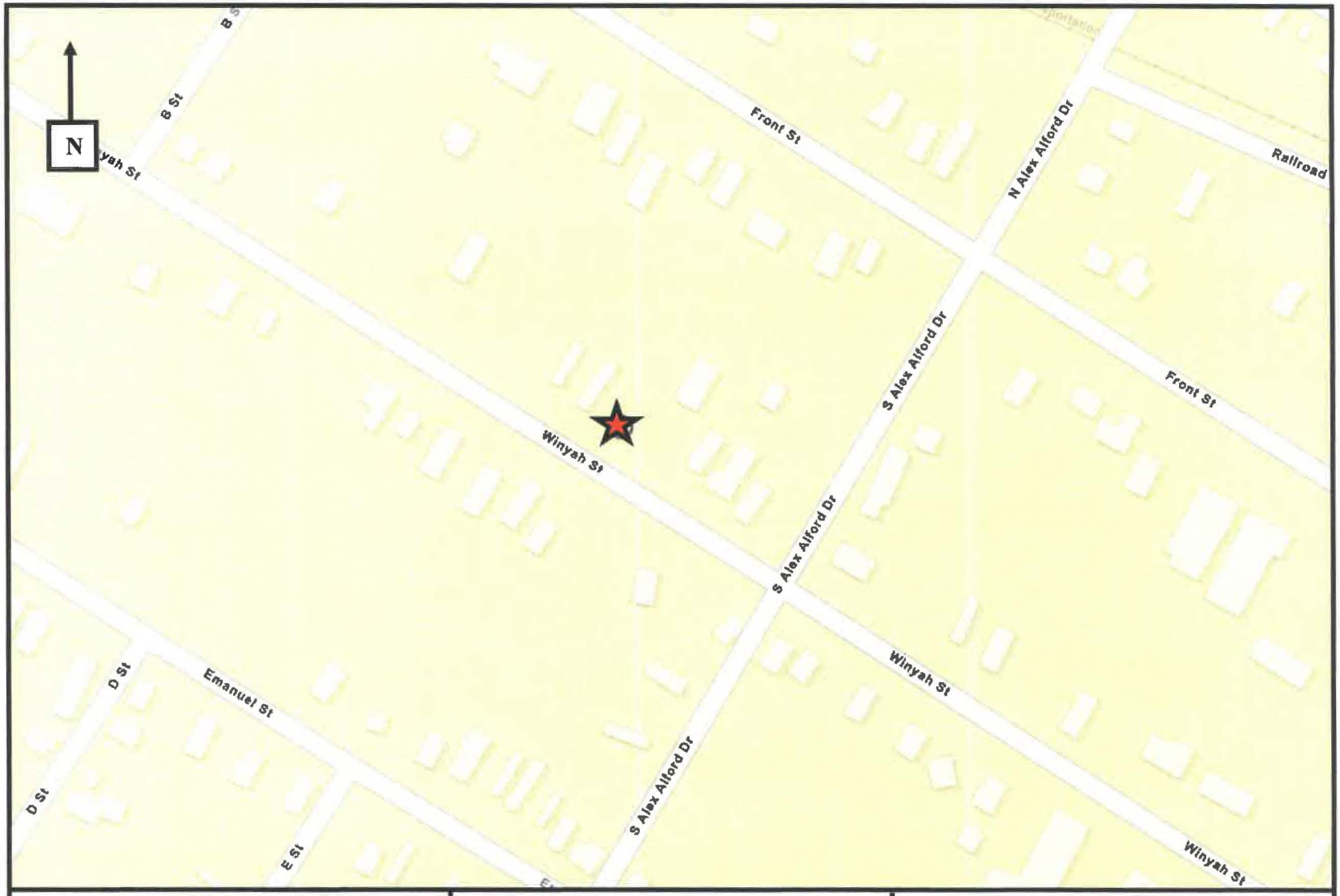

Figure 1 Site Location Map	2012 Winyah Street Georgetown, SC	**SUMMIT ELT, INC** Project: 0069.E0001

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 - 2012 Winyah St.

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

Date Analyzed: 12/20/2022

Date Reported: 12/20/2022

Total Samples Analyzed: 11

 # Samples >1% Asbestos: 0

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 - 2012 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
WG-1 2022-12-19-0069.E0001-1	Window Gaze	Blue, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WG-2 2022-12-19-0069.E0001-2	Window Gaze	Blue, Beige Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CB-1 2022-12-19-0069.E0001-3	Cinderblock Foundation	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CB-2 2022-12-19-0069.E0001-4	Cinderblock Foundation	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CB-3 2022-12-19-0069.E0001-5	Cinderblock Foundation	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-1-Wallboard 2022-12-19-0069.E0001-6	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-1-Joint Compound 2022-12-19-0069.E0001-6A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-2-Wallboard 2022-12-19-0069.E0001-7	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-2-Joint Compound 2022-12-19-0069.E0001-7A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
WB-3-Wallboard 2022-12-19-0069.E0001-8	Wallboard and Joint Compound	Gray, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
WB-3-Joint Compound 2022-12-19-0069.E0001-8A	Wallboard and Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s): Cass E. Rupert

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

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-2012 Winyah 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 0948

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
WG-1	Window Glaze		
-2	" "		
-3	" "		
CB-1	Cinderblock Foundation		
-2	" "		
-3	" "		
WB-1	Wallboard/Joint Compound		
-2	" "		
-3	" "		

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December 28, 2022

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

CLIENT PROJECT: West-End Neighborhood Demo - 2012 Winyah St., 0069.E0001
LAB CODE: ST220462

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

eurofins | CEI

ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

SUMMIT Engineering, Laboratory & Testing, Inc.

CLIENT PROJECT:	West-End Neighborhood Demo - 2012 Winyah St., 0069. E0001
LAB CODE:	ST220462
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

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ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

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

Lab Code: ST220462
Date Received: 12-19-22
Date Analyzed: 12-28-22
Date Reported: 12-28-22

Project: West-End Neighborhood Demo - 2012 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 %
WG-3 ST03171	Tan,Blue Window Glazing	0.1488	15.6	83.4	1	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

DL 12/28/22 5:00pm

eurofins | CEI

CHAIN OF CUSTODY (1)

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

ECEI Lab Code: ST220462
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 - 2012 Winyah St -
Fort Mill, NC 29715	Project ID#: OCCG-ECOC
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	[illegible]	12/19 1:30pm
[signature]			

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:	Job Contact: Logan Smith / Tony Monk
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
WG-3	Window Glaze		PLM ☐	TEM ☒
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

Page 2 of 2

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

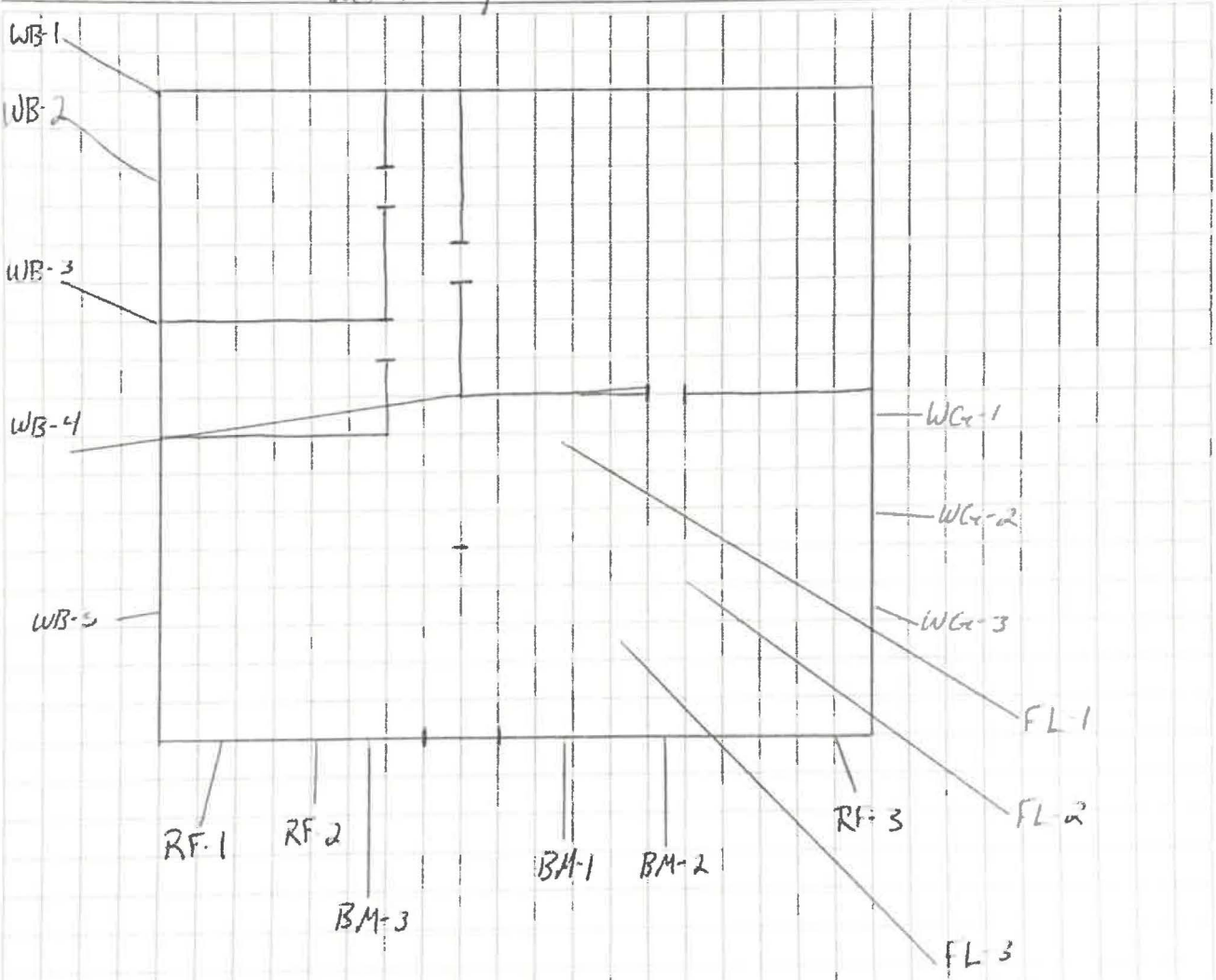
SUMMIT DOCUMENTATION

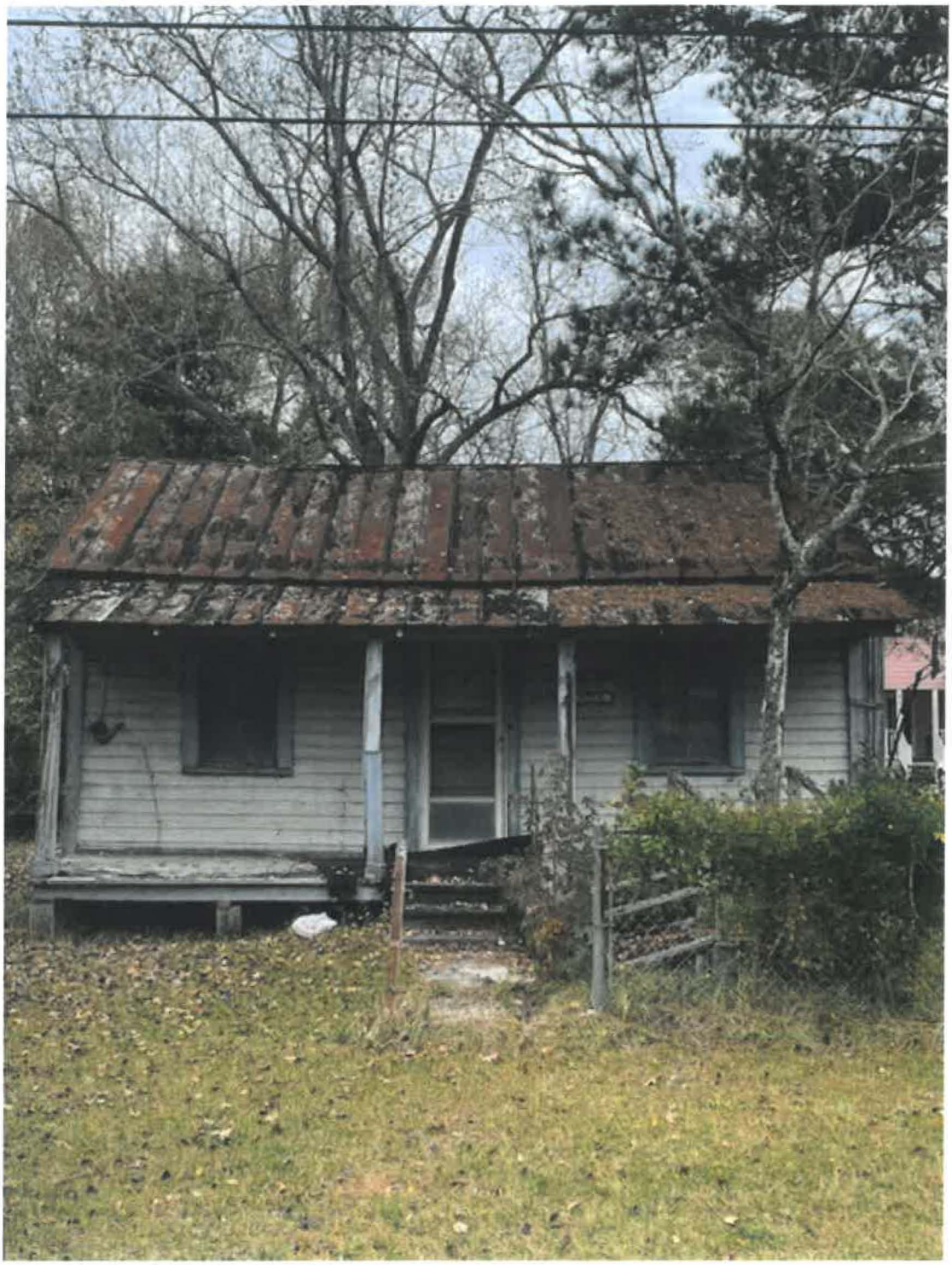
SUMMIT
ENGINEERING • LABORATORY • TESTING

PREPARED BY:	DATE:	CHECKED BY:	DATE:	PROJECT NO:
EF	1-10-23			2069 E 0001

PROJECT NAME: West-End Neighborhood Demo- 2011 Gilbert Street

SHEET NO ___ OF ___





AHERA/NESHAP ASBESTOS INSPECTION REPORT
2013 EMANUAL ST.
RESIDENTIAL PROPERTY

CLIENT:
City of Georgetown
1134 North Fraser Street
Georgetown, SC 29440

LOCATION:
2013 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
2013 Emanual St., Georgetown, SC

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2.0 EXECUTIVE SUMMARY 2

3.0 SUSPECT MATERIALS 3
3.1 Ceiling Texture 3

4.0 SUSPECT MATERIAL QUANTITIES 4

5.0 CONCLUSIONS AND RECOMMENDATIONS 5

FIGURES

1.0 Site Location Map

LIST OF APPENDICES

A Analytical Results
B Asbestos Inspector's License
C SUMMIT Documentation

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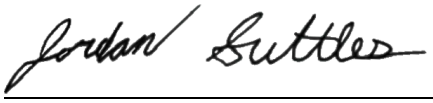
11/7/2022

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 2013 Emanual St., Georgetown, South Carolina.

One (1) mobile home exists at the site. The building was not occupied at the time of inspection. The building contains no masonry exterior or foundation and the roof appears to be comprised of metal only. 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. One (1) homogeneous area were sampled. The homogeneous areas are described in detail in section 3.0 of this report.

No Asbestos Containing Materials (ACMs) were identified within the structure.

3.0 SUSPECT MATERIALS

3.1 Ceiling Texture

CTEX-1, 2 AND 3

The 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.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM (Y/N)	AMOUNT
CEILING TEXTURE	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

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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

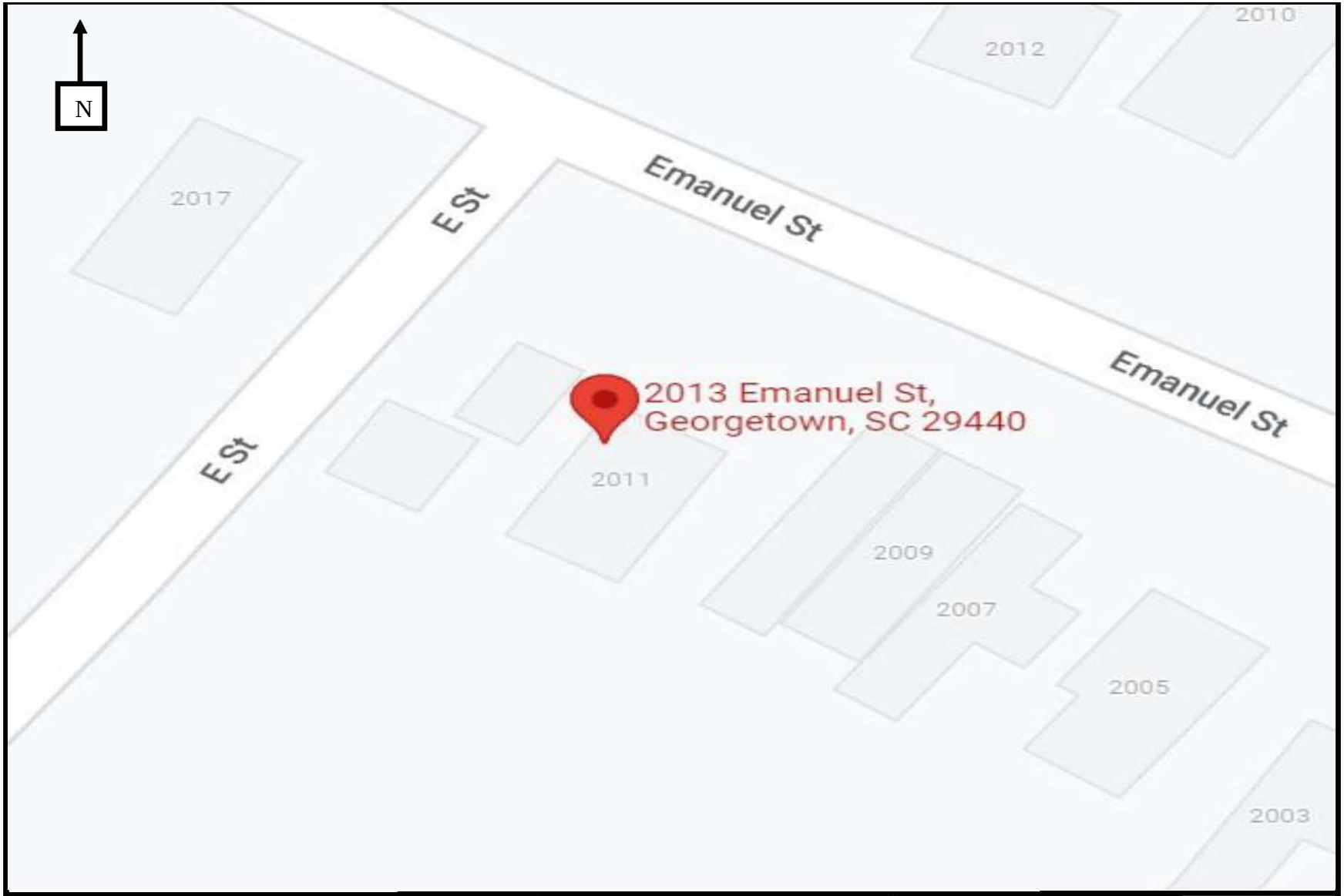


Figure 1 Site Location Map	2013 Emanuel Street Georgetown, South Carolina	**SUMMIT ELT, Inc.** Project: 0069.E0001

APPENDIX A

ANALYTICAL RESULTS

SUMMIT
ENGINEERING • LABORATORY • TESTING
A Universal Engineering Sciences Company

Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 2013 Emanual St.

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

Date Analyzed: 10/3/2022

Date Reported: 10/3/2022

Total Samples Analyzed: 3

 # Samples >1% Asbestos: 0

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 : 2013 Emanual St.

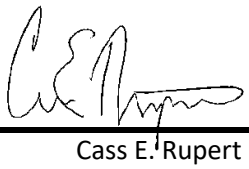
Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample ID	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
Ctex-1 2022-9-29-0069.E0001-1	Ceiling	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
Ctex-2 2022-9-29-0069.E0001-2	Ceiling	White, Beige Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
Ctex-3 2022-9-29-0069.E0001-3	Ceiling	White, Beige Fibrous Homogeneous	10% Cellulose	90% 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. - 2013 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
		[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
CTex-1	Ceiling Texture		
-2	"		
-3	"		

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:
[illegible]	10.28.22			0069.E0001

PROJECT NAME: West-End Demolition
2013 Emanuel Street

SHEET NO ___ OF ___