REPORT DATE: June 7, 2023
MAA PROJECT #: R3950.00

NESHAP ASBESTOS SURVEY REPORT

WILSON MALL

1635 and 1673 Parkwood Boulevard West, Wilson, Wilson County, North Carolina

ENGINEERING & ENVIRONMENTAL SOLUTIONS

PREPARED FOR:
City of Wilson
PO Box 10
Wilson, North Carolina 27894

PREPARED BY:
Mid-Atlantic Associates
409 Rogers View Court
Raleigh, North Carolina 27610

TABLE OF CONTENTS

1.0 INTRODUCTION

Mid-Atlantic Associates, Inc. (Mid-Atlantic) conducted a National Emissions Standards for Hazardous Air Pollutants (NESHAP, Environmental Protection Agency (EPA) regulation 40 CFR 61, Subpart M) asbestos survey of two commercial structures located at 1635 (Former Bank) and 1673 (Former Kroger) Parkwood Boulevard West in Wilson, Wilson County, North Carolina (the "Subject Property"). Site maps illustrating the location of the Subject Property are provided as Drawings 1 & 2. The objective of our scope of services was to identify the potential presence of asbestos-containing materials (ACM) in the on-site commercial structures, as future demolition activities are planned at the Subject Property. This assessment was conducted under the Town of Wilson's Brownfields Cooperative Agreement number 4B-02D32422-0 and in accordance with the approved Site Specific Quality Assurance Plan.

2.0 DEFINITIONS

2.1 Asbestos-Containing Material

Friable: Friable asbestos-containing material (ACM) is defined by the Asbestos NESHAP as any material containing more than one percent (>1%) asbestos as determined using Polarized Light Microscopy (PLM) analysis or equivalent NESHAP approved methods, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Non-friable: Non-friable ACM is any material containing >1% asbestos as determined using PLM analysis or equivalent NESHAP approved methods, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. EPA also defines two categories of non-friable ACM, Category I and Category II. Category I non-friable ACM includes packings, gaskets, resilient floor coverings, and asphalt roofing products. Category II includes any material other than those included in Category I which do not meet the definition of friable.

Regulated Asbestos-Containing Material: Regulated Asbestos-Containing Material (RACM) is categorized as friable ACM, Category I non-friable ACM that has become friable, Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Trace (≤1%) Asbestos Containing Material: Materials that contain ≤1% asbestos are not considered "asbestos-containing material" under the NESHAP standard; however, materials containing ≤1% asbestos are covered by the Occupational Safety and Health Administration's (OSHA's) asbestos construction standard (29 CFR 1926.1101).

PLM Point-Count: When a friable or non-friable asbestos-containing material is estimated to contain less than 10 percent asbestos by a method other than point counting, such as visual estimation, the EPA recommends that the determination be repeated using point counting techniques with PLM. Where binders or like materials are present, appropriate sample preparation methods such as gravimetric reduction must be followed to eliminate the effects of interfering substances.

Non-friable Organically Bound: Five bulk materials have been categorized by the EPA that are very difficult to analyze by Polarized Light Microscopy (PLM). These materials are dominantly non-friable and fall into the following categories: Vinyl material (i.e. floor tiles, sheetings), viscous matrix products (i.e. caulks/sealants, adhesives, coatings, joint compound/spackle), cementitious material (i.e. pipes, sheetings), asphaltic roofing materials (i.e. shingles, roof rollings), and miscellaneous products (i.e. frictions plates, gaskets). The EPA recommends that these materials be analyzed by Transmission Electron Microscopy (TEM) when PLM results are inconclusive (EPA600/R-93/116, Appendix D).

2.2 Asbestos Survey

Asbestos Survey: An asbestos survey requires destructive sampling to determine the presence, location, condition, and estimated quantity of ACM in or on a structure, building, or facility for the purpose of general hazard awareness, due diligence, future renovation, or future demolition activities. An asbestos survey is performed when there is no information, or insufficient information, as to the existence of ACM in or on a structure, building, or facility. An asbestos survey satisfies the EPA NESHAP requirements for renovation or demolition to “thoroughly inspect the affected facility” or the requirements of governmental agencies for issuance of a building demolition permit. An asbestos survey is comprehensive and satisfies the NESHAP requirements for complete building demolition activities unless otherwise noted as a "limited asbestos survey".

2.3 Limited Asbestos Survey

Limited Asbestos Survey: A limited asbestos survey requires destructive sampling to determine the presence, location, condition, and estimated quantity of ACM in or on a structure, building, facility, or remnant structure for the purpose of general hazard awareness, due diligence, or future renovation activities. A limited asbestos survey is determined when limitations are encountered in or on a structure, building, facility, or remnant structure that may prevent the identification of ACM in or on a structure, building, facility, or remnant structure. A limited asbestos survey is not comprehensive and may not satisfy the NESHAP requirements for complete building demolition activities; however, a limited asbestos survey may satisfy the requirements of governmental agencies for issuance of a building permit for specific building renovation activities.

3.0 DESCRIPTION OF BUILDINGS

Two commercial structures were located on the Subject Property during this assessment. The Wilson County Geographic Information System (GIS) website (https://gis.wilson-co.com/maps/) does not specifically identify square footage of each building or their developed years. However, according to Google Earth (earth.google.com), the commercial structures are approximately 3,300 ft^2 (Former Bank) and 63,000 ft^2 (Former Kroger).

The Former Bank commercial structure consists of a brick and mortar construction with a sloped asphaltic shingle over felt paper roof. Interior finishes consist of drop ceiling tiles and ceiling texture over wallboard ceilings, wallboard and joint compound walls, and concrete floors finished with carpet and various floor tiles. A metal canopy finished with a gravel over felt paper roof was observed on the southern exterior of the commercial structure at what is presumed to be a former drive-thru for the bank.

The Former Kroger commercial structure consists of a concrete masonry unit (CMU) construction with a flat gravel over rubber membrane over felt paper roof. Interior finishes consist of drop ceiling tiles and metal ceilings, wallboard and joint compound walls, and concrete floors with areas finished with floor tiles.

4.0 FIELD ACTIVITIES

The field work for the NESHAP asbestos survey was conducted by Mr. Colton Gotshall (North Carolina Asbestos Building Inspector Accreditation No. 13317) on May 22, 2023. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

4.1 Visual Assessment

Mid-Atlantic's survey activities began with a visual observation of the two commercial structures to identify apparent homogeneous areas (HA) of suspect ACM. An HA consists of building materials that appear similar throughout in terms of color, texture, use, and date of application. The asbestos survey was performed on visually accessible areas on the interior, exterior, and roof of the buildings. Building materials identified as concrete, glass, wood, masonry, metal or rubber are not considered suspect ACM.

4.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to investigate the friability and condition of the materials at the time of the asbestos survey. Friability was assessed by physically touching suspect materials. For more detailed information on friable and non-friable building materials, please refer to *Section 2.0 - Definitions* of this report.

4.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA protocols. Random samples of suspect materials were collected in each homogeneous area. After collection, samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. Sample locations were then recorded in the field in order to identify the locations of ACM once the laboratory results were generated. During this asbestos assessment, Mid-Atlantic collected a total of 54 bulk samples of suspect ACM from 27 HAs. The Asbestos Survey Forms and Analytical Results are included as Appendix A.

4.4 Sample Analysis

Suspect ACM samples were submitted under chain of custody control to the Eurofins CEI (ECEI) laboratory in Cary, North Carolina for analysis. The suspect ACM samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart F). The percentage of asbestos, where applicable, was determined by microscopical visual estimation. ECEI is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 101768-0).

A comprehensive list of building materials sampled, locations, friability, and estimated quantities can be found in the Asbestos Survey Form and Analytical Results included as Appendix A. A copy of the full ECEI analytical report is included in Appendix B. The photographs of ACM identified during this investigation are included in Appendix C. A copy of the North Carolina Asbestos Inspector's Certification is included in Appendix D.

4.5 Summary of Asbestos-Containing Materials

A general summary of materials found to contain asbestos in detectable concentrations during this assessment include:

Former Bank:

- Brown Felt Paper associated with Black Tar over Brown Felt Paper over Black Tar (Metal Canopy Roof); and
- Tan/Black Mastic associated with 12" x 12" Green Floor Tile over Tan/Black Mastic (Electrical Room).

Former Kroger:

- No asbestos-containing materials were identified in the Former Kroger structure during this assessment.

A more detailed description of the identified ACM including friability and estimated quantities can be found in Appendix A.

5.0 FINDINGS AND RECOMMENDATIONS

At the time of this survey, non-friable ACM were observed in good condition. Non-friable resilient flooring materials do not pose a threat to occupants of the building in their current state; however, non-friable materials can be made friable if handled incorrectly and should be removed by professionals qualified in asbestos abatement. The Asbestos-Containing Sample Location Map is provided as Drawing 2.

6.0 REGULATORY OVERVIEW

The asbestos NESHAP regulates asbestos fiber emissions (prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities) and asbestos waste disposal practices. NESHAP requires the identification and classification of existing building materials prior to demolition or renovation activity. The EPA recommends that all Regulated ACM (RACM) be removed by a certified asbestos contractor prior to any renovation or demolition activities that may impact the material. In the absence of planned renovation/demolition activities, the EPA recommends that ACM be managed in place whenever asbestos is identified in a building. Any damaged ACM should be removed, repaired, encapsulated, or enclosed. ACM that is not damaged may be managed in place in accordance with a written Operations and Maintenance Program.

In North Carolina, asbestos activities are regulated by the North Carolina Health Hazards Control Unit (NC HHCU). The HHCU requires that any asbestos-related activity conducted in a public building be performed by personnel licensed by the State of North Carolina. According to the guidelines, RACM must be removed prior to conducting any renovation or demolition activities which will disturb those materials. The owner or operator must provide the HHCU with written notification of planned removal activities at least ten working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by a State of North Carolina licensed asbestos abatement contractor. In addition, third party air monitoring must be performed following the abatement.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers is maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States which administer their own Federally approved OSHA programs may require additional precautions.

7.0 LIMITATIONS

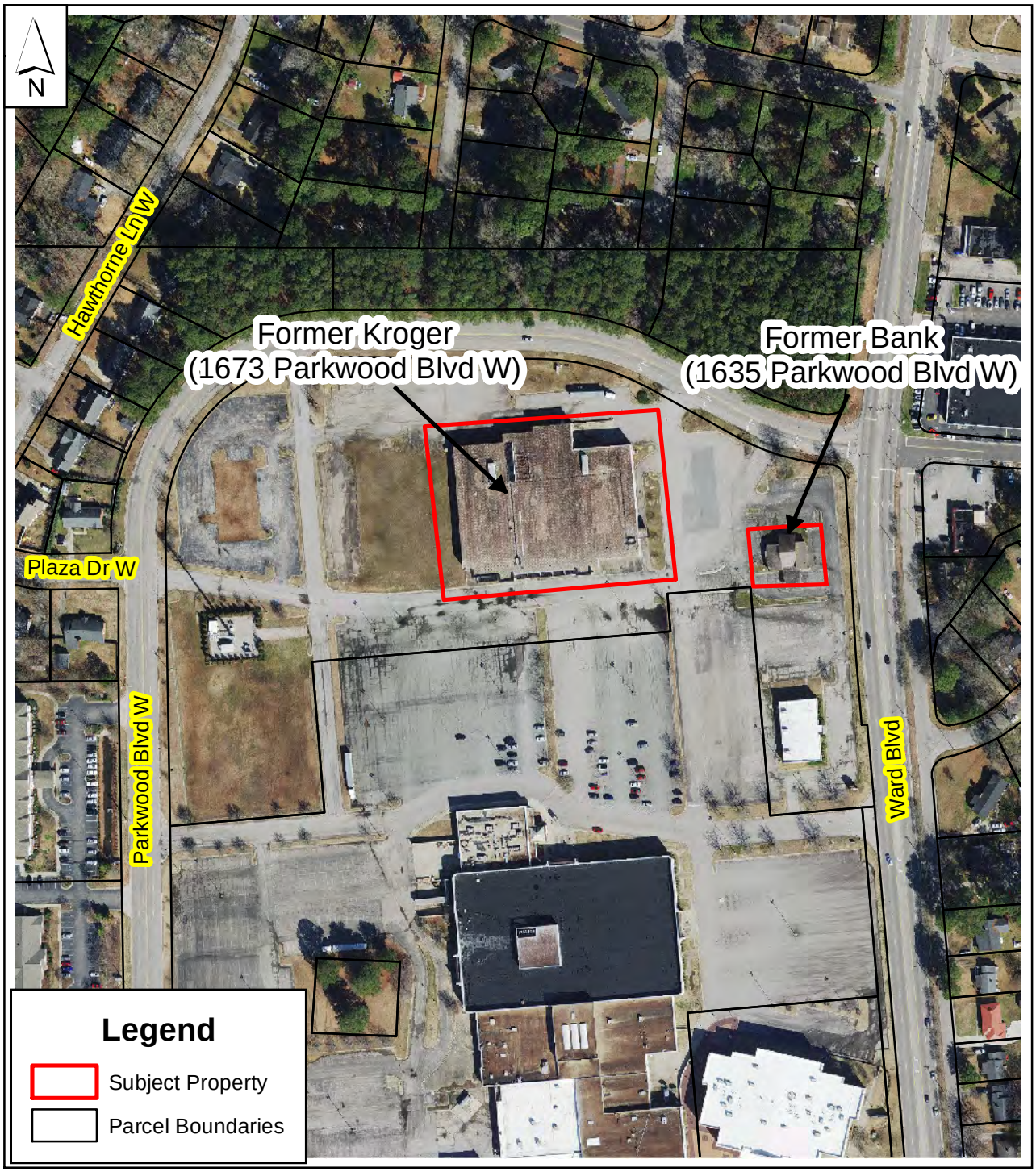
The potential exists for additional suspect ACM to be exposed during demolition and/ or renovation activities. Such materials should be sampled and analyzed for asbestos content prior to any renovation and/or demolition activities that could impact these materials.

This NESHAP asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, and recommendations expressed in this report are based on conditions observed during our survey. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the City of Wilson for specific application to their project. This report is not a bidding document.

Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or any remediation deemed necessary. Mid-Atlantic does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, expressed or implied, is made.

DRAWINGS

Mid Atlantic



REFERENCES:

1. 2022 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC FIELD NOTES

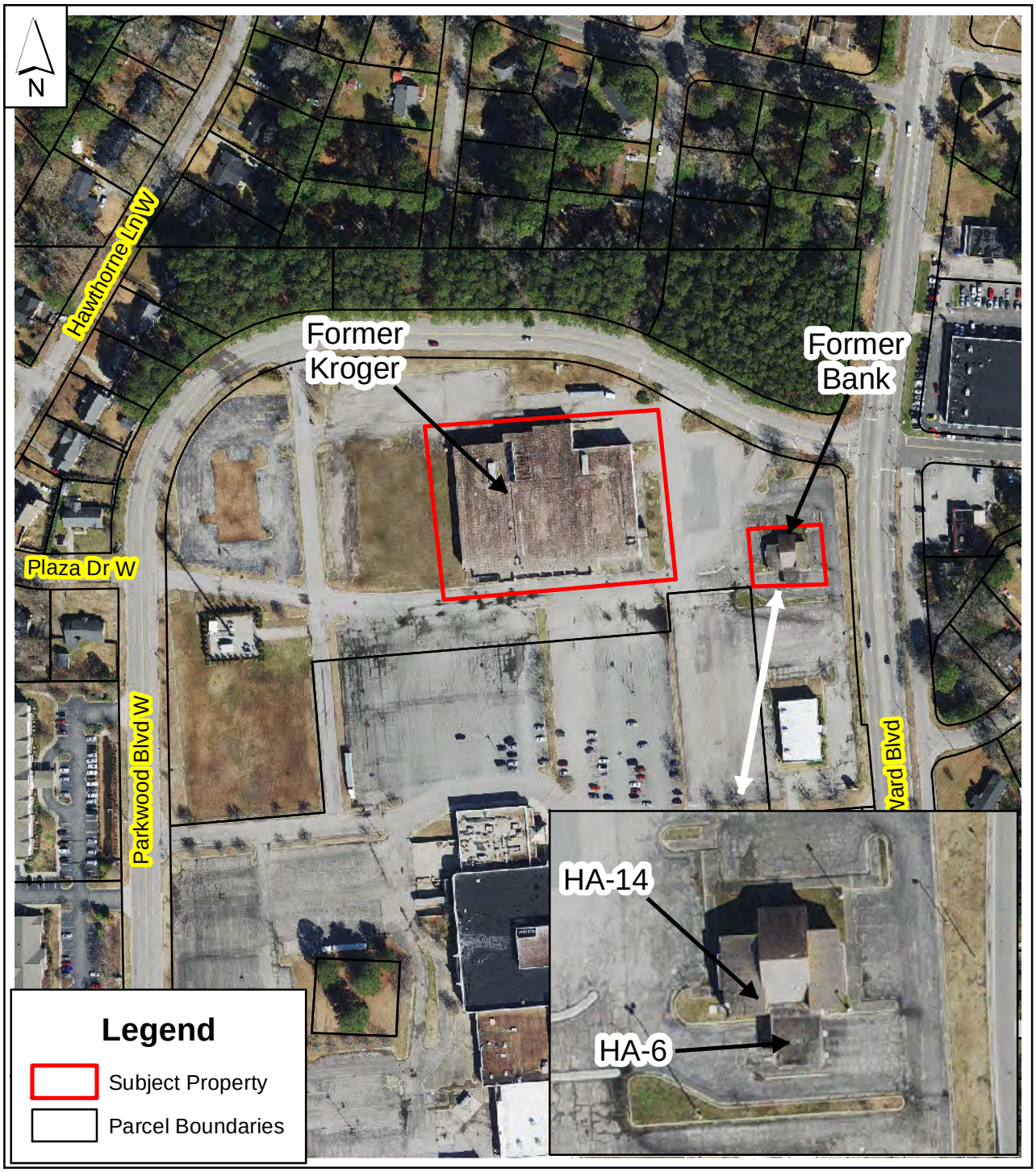
SCALE:1:3,000

0 100 200 400 Feet

Mid Atlantic

SITE MAP
WILSON MALL
1635 AND 1673 PARKWOOD BLVD W
WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: JUNE 2023
DRAFT CHECK:	JOB NO: R3950.00
ENG. CHECK:	GIS NO: 04G-R3950.00-1
APPROVAL: DMM	DWG NO: 1



REFERENCES:
1. 2022 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC SURVEY FORM
4. HA = HOMOGENOUS AREA

SCALE:1:3,000

0 100 200 400 Feet

Mid Atlantic

ASBESTOS SAMPLE LOCATION MAP
WILSON MALL
1635 AND 1673 PARKWOOD BLVD W
WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: JUNE 2023
DRAFT CHECK:	JOB NO: R3950.00
ENG. CHECK:	GIS NO: 04G-R3950.00-2
APPROVAL: DMM	DWG NO: 2

APPENDIX A - ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Mid Atlantic

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
License Number: (NC) 13317
Survey Date: 5/22/2023

Project Name: Wilson Mall - Former Bank
Project Number: R3950.00
Location: 1635 Parkwood Boulevard West
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
1-1	Brown Shingle over Black Felt Paper	Roof	Good	2,800 ft^2	Non-Friable	None Detected
1-2		Roof				None Detected
2-1	Gray Gutter Caulk	Roof	Good	20 ft	Non-Friable	None Detected
2-2		Roof				None Detected
3-1	White Penetration Caulk	Roof	Good	2 Penetrations	Non-Friable	None Detected
3-2		Roof				None Detected
4-1	Gray Roof Caulk	Roof	Good	40 ft	Non-Friable	None Detected
4-2		Roof				None Detected
5-1	Black Roof Caulk	Roof	Good	50 ft	Non-Friable	None Detected
5-2		Roof				None Detected
6-1	Black Tar over Brown Felt Paper over Black Tar	Canopy Roof	Good	800 ft^2	Non-Friable	Black Tar: None Detected **Brown Felt Paper: 20% Chrysotile** Black Tar: None Detected Tan Paper: None Detected Black Tar: None Detected Black Foam Glass: None Detected
6-2		Canopy Roof				Black Tar: None Detected **Brown Felt Paper: 20% Chrysotile** Black Tar: None Detected Tan Paper: None Detected Black Tar: None Detected Black Foam Glass: None Detected
7-1	Exterior Black Doorframe Caulk	Western Door	Good	40 ft (2 Doors)	Non-Friable	None Detected
7-2		Eastern Door				None Detected
8-1	2' x 2' Smooth Ceiling Tile	Western Exterior	Good	900 ft^2	Non-Friable	None Detected
8-2		Canopy Roof				None Detected
9-1	Exterior Black Windowframe Caulk	Northern Exterior	Good	200 ft	Non-Friable	None Detected
9-2		Northern Exterior				None Detected
10-1	2' x 2' Rough-Textured Ceiling Tile	Main Area	Damaged	2,400 ft^2	Non-Friable	None Detected
10-2		Main Area				None Detected
11-1	Ceiling Texture over Wallboard	Main Area	Good	400 ft^2	Friable	None Detected
11-2		Main Area				None Detected
12-1	Wallboard and Joint Compound	Main Area	Good	2,000 ft^2	Friable	None Detected
12-2		Main Area				None Detected
13-1	4" Tan Covebase over Brown Mastic	Main Area	Good	200 ft	Non-Friable	None Detected
13-2		Office				None Detected
14-1	12" x 12" Green Floor Tile over Black Mastic	Electrical Room	Good	110 ft^2	Non-Friable	Green Floor Tile: None Detected **Tan/Black Mastic: 2% Chrysotile**
14-2		Electrical Room				Green Floor Tile: None Detected **Tan/Black Mastic: 2% Chrysotile**
15-1	4" Brown Covebase over Brown Mastic	Bank Vault	Good	20 ft	Non-Friable	None Detected
15-2		Bank Vault				None Detected
16-1	HVAC Duct Tape	Ductwork	Good	TBD	Non-Friable	None Detected
16-2		Ductwork				None Detected

Bolded and Highlighted Text: Asbestos-Containing Materials >1%
Condition: Based on a percentage of the building material remaining intact at time of survey
Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey
* Quantities are estimated

NOTES:

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
License Number: (NC) 13317
Survey Date: 5/22/2023

Project Name: Wilson Mall - Former Kroger
Project Number: R3950.00
Location: 1673 Parkwood Boulevard West
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
1-1	Rubber Membrane over Black Felt Paper	Roof	Good	63,000 ft^2	Non-Friable	None Detected
1-2		Roof				None Detected
2-1	White Roof Mastic	Roof	Good	2 HVAC Units and Various Penetrations	Non-Friable	None Detected
2-2		Roof				None Detected
3-1	Black Penetration Caulk	Roof	Good	Various Penetrations	Non-Friable	None Detected
3-2		Roof				None Detected
4-1	White Roofing Caulk	Roof	Good	40 ft	Non-Friable	None Detected
4-2		Roof				None Detected
5-1	Stucco	Roof	Good	500 ft^2	Non-Friable	None Detected
5-2		Roof				None Detected
6-1	12" x 12" Off-White Floor Tile over Clear Mastic	Western Office	Good	1,000 ft^2	Non-Friable	None Detected
6-2		Western Office				None Detected
7-1	Wallboard and Joint Compound	Western Office	Good	5,000 ft^2	Friable	None Detected
7-2		Main Area				None Detected
8-1	4" Gray Covebase over Tan Mastic	Western Office	Good	200 ft	Non-Friable	None Detected
8-2		Western Office				None Detected
9-1	2' x 4' Smooth Ceiling Tile	Kitchen Area	Good	100 ft^2	Non-Friable	None Detected
9-2		Western Office				None Detected
10-1	2' x 4' Pinhole Ceiling Tile	Southeast Office	Good	800 ft^2	Non-Friable	None Detected
10-2		Southeast Office				None Detected
11-1	Brown Seam Caulk	South Exterior	Good	300 ft^2	Non-Friable	None Detected
11-2		Eastern Exterior				None Detected

Condition: Based on a percentage of the building material remaining intact at time of survey
Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey
* Quantities are estimated

NOTES:

APPENDIX B - LABORATORY ANALYTICAL DATA

Mid Atlantic

eurofins | CEI

May 31, 2023

Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

CLIENT PROJECT: Wilson Mall, Wilson Mall - Former Bank, R3950.00
CEI LAB CODE: B2311159

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 23, 2023. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

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

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

eurofins | CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Mid-Atlantic Associates, Inc.

CLIENT PROJECT: Wilson Mall, Wilson Mall - Former Bank, R3950.00

LAB CODE: B2311159

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 05/31/23

TOTAL SAMPLES ANALYZED: 32

SAMPLES >1% ASBESTOS: 4

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wilson Mall, Wilson Mall - Former Bank, R3950.00 **LAB CODE: B2311159**

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1-1	Layer 1	B2311159.01	Black	Shingle	None Detected
	Layer 2	B2311159.01	Black	Felt Paper	None Detected
1-2	Layer 1	B2311159.02	Black	Shingle	None Detected
	Layer 2	B2311159.02	Black	Felt Paper	None Detected
2-1		B2311159.03	Gray	Gutter Caulk	None Detected
2-2		B2311159.04	Gray	Gutter Caulk	None Detected
3-1	Layer 1	B2311159.05	White	Penetration Caulk	None Detected
	Layer 2	B2311159.05	Gray	Penetration Caulk	None Detected
	Layer 3	B2311159.05	Black	Penetration Caulk	None Detected
3-2	Layer 1	B2311159.06	White	Penetration Caulk	None Detected
	Layer 2	B2311159.06	Gray	Penetration Caulk	None Detected
	Layer 3	B2311159.06	Black	Penetration Caulk	None Detected
4-1		B2311159.07	Gray	Roof Caulk	None Detected
4-2		B2311159.08	Gray	Roof Caulk	None Detected
5-1		B2311159.09	Black	Roof Caulk	None Detected
5-2		B2311159.10	Black	Roof Caulk	None Detected
6-1	Layer 1	B2311159.11	Black	Tar	None Detected
	Layer 2	B2311159.11	Brown	Felt Paper	**Chrysotile 20%**
	Layer 3	B2311159.11	Black	Tar	None Detected
	Layer 4	B2311159.11	Tan	Paper	None Detected
	Layer 5	B2311159.11	Black	Tar	None Detected
	Layer 6	B2311159.11	Black	Foam Glass	None Detected
6-2	Layer 1	B2311159.12	Black	Tar	None Detected
	Layer 2	B2311159.12	Brown	Felt Paper	**Chrysotile 20%**
	Layer 3	B2311159.12	Black	Tar	None Detected
	Layer 4	B2311159.12	Tan	Paper	None Detected
	Layer 5	B2311159.12	Black	Tar	None Detected
	Layer 6	B2311159.12	Black	Foam Glass	None Detected
7-1		B2311159.13	Black	Door Frame Caulk	None Detected
7-2		B2311159.14	Black	Door Frame Caulk	None Detected
8-1		B2311159.15	White	Ceiling Tile	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wilson Mall, Wilson Mall - Former Bank, R3950.00 **LAB CODE: B2311159**

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
8-2		B2311159.16	White	Ceiling Tile	None Detected
9-1		B2311159.17	Black	Window Frame Caulk	None Detected
9-2		B2311159.18	Black	Window Frame Caulk	None Detected
10-1		B2311159.19	White	Ceiling Tile	None Detected
10-2		B2311159.20	White	Ceiling Tile	None Detected
11-1	Layer 1	B2311159.21	White	Ceiling Texture	None Detected
	Layer 2	B2311159.21	White,Tan	Wallboard	None Detected
11-2	Layer 1	B2311159.22	White	Ceiling Texture	None Detected
	Layer 2	B2311159.22	White,Tan	Wallboard	None Detected
12-1		B2311159.23	White,Tan	Wallboard/Joint Compound	None Detected
12-2		B2311159.24	White,Tan	Wallboard/Joint Compound	None Detected
13-1		B2311159.25A	Tan	Covebase	None Detected
	Layer 1	B2311159.25B	Tan	Mastic	None Detected
	Layer 2	B2311159.25B	Brown	Mastic	None Detected
13-2		B2311159.26A	Tan	Covebase	None Detected
	Layer 1	B2311159.26B	Tan	Mastic	None Detected
	Layer 2	B2311159.26B	Brown	Mastic	None Detected
14-1		B2311159.27A	Green	Floor Tile	None Detected
		B2311159.27B	Tan,Black	Mastic	Chrysotile 2%
14-2		B2311159.28A	Green	Floor Tile	None Detected
		B2311159.28B	Tan,Black	Mastic	Chrysotile 2%
15-1		B2311159.29A	Brown	Covebase	None Detected
		B2311159.29B	Brown	Mastic	None Detected
15-2		B2311159.30A	Brown	Covebase	None Detected
		B2311159.30B	Brown	Mastic	None Detected
16-1		B2311159.31	Off-white	Hvac Duct Tape	None Detected
16-2		B2311159.32	Off-white	Hvac Duct Tape	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1-1 Layer 1 B2311159.01	Shingle	Heterogeneous Black Fibrous Bound	50%	Fiberglass	40% 10%	Tar Gravel	None Detected
Layer 2 B2311159.01	Felt Paper	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
1-2 Layer 1 B2311159.02	Shingle	Heterogeneous Black Fibrous Bound	50%	Fiberglass	40% 10%	Tar Gravel	None Detected
Layer 2 B2311159.02	Felt Paper	Homogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
2-1 B2311159.03	Gutter Caulk	Homogeneous Gray Non-fibrous Bound			100%	Caulk	None Detected
2-2 B2311159.04	Gutter Caulk	Homogeneous Gray Non-fibrous Bound			100%	Caulk	None Detected
3-1 Layer 1 B2311159.05	Penetration Caulk	Homogeneous White Non-fibrous Bound			100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
Layer 2 B2311159.05	Penetration Caulk	Homogeneous Gray Non-fibrous Bound	100%	Caulk	None Detected
Layer 3 B2311159.05	Penetration Caulk	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
3-2 Layer 1 B2311159.06	Penetration Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
Layer 2 B2311159.06	Penetration Caulk	Homogeneous Gray Non-fibrous Bound	100%	Caulk	None Detected
Layer 3 B2311159.06	Penetration Caulk	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
4-1 B2311159.07	Roof Caulk	Homogeneous Gray Non-fibrous Bound	100%	Caulk	None Detected
4-2 B2311159.08	Roof Caulk	Homogeneous Gray Non-fibrous Bound	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
5-1 B2311159.09	Roof Caulk	Homogeneous Black Non-fibrous Bound			100%	Caulk	None Detected
5-2 B2311159.10	Roof Caulk	Homogeneous Black Non-fibrous Bound			100%	Caulk	None Detected
6-1 Layer 1 B2311159.11	Tar	Homogeneous Black Non-fibrous Bound			100%	Tar	None Detected
Layer 2 B2311159.11	Felt Paper	Homogeneous Brown Fibrous Bound	40%	Cellulose	40%	Tar	**20% Chrysotile**
Layer 3 B2311159.11	Tar	Homogeneous Black Non-fibrous Bound			100%	Tar	None Detected
Layer 4 B2311159.11	Paper	Homogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
Layer 5 B2311159.11	Tar	Homogeneous Black Non-fibrous Bound			100%	Tar	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 6 B2311159.11	Foam Glass	Homogeneous Black Non-fibrous Bound			100%	Glass	None Detected
6-2 Layer 1 B2311159.12	Tar	Homogeneous Black Non-fibrous Bound			100%	Tar	None Detected
Layer 2 B2311159.12	Felt Paper	Homogeneous Brown Fibrous Bound	40%	Cellulose	40%	Tar	**20% Chrysotile**
Layer 3 B2311159.12	Tar	Homogeneous Black Non-fibrous Bound			100%	Tar	None Detected
Layer 4 B2311159.12	Paper	Homogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
Layer 5 B2311159.12	Tar	Homogeneous Black Non-fibrous Bound			100%	Tar	None Detected
Layer 6 B2311159.12	Foam Glass	Homogeneous Black Non-fibrous Bound			100%	Glass	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
7-1 B2311159.13	Door Frame Caulk	Homogeneous Black Non-fibrous Bound	3%	Talc	97%	Caulk	None Detected
7-2 B2311159.14	Door Frame Caulk	Homogeneous Black Non-fibrous Bound	3%	Talc	97%	Caulk	None Detected
8-1 B2311159.15	Ceiling Tile	Heterogeneous White Fibrous Bound	20%	Cellulose	75% 5%	Gypsum Vinyl	None Detected
8-2 B2311159.16	Ceiling Tile	Heterogeneous White Fibrous Bound	20%	Cellulose	75% 5%	Gypsum Vinyl	None Detected
9-1 B2311159.17	Window Frame Caulk	Homogeneous Black Non-fibrous Bound	3%	Talc	97%	Caulk	None Detected
9-2 B2311159.18	Window Frame Caulk	Homogeneous Black Non-fibrous Bound	3%	Talc	97%	Caulk	None Detected
10-1 B2311159.19	Ceiling Tile	Heterogeneous White Fibrous Bound	55% 30% 5%	Fiberglass Mineral Wool Cellulose	5% 5%	Paint Metal Foil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
10-2 B2311159.20	Ceiling Tile	Heterogeneous White Fibrous Bound	55% 30% 5%	Fiberglass Mineral Wool Cellulose	5% 5%	Paint Metal Foil	None Detected
11-1 Layer 1 B2311159.21	Ceiling Texture	Heterogeneous White Non-fibrous Bound			85% 13% 2%	Binder Vermiculite Paint	None Detected
Layer 2 B2311159.21	Wallboard	Heterogeneous White,Tan Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
11-2 Layer 1 B2311159.22	Ceiling Texture	Heterogeneous White Non-fibrous Bound			85% 13% 2%	Binder Vermiculite Paint	None Detected
Layer 2 B2311159.22	Wallboard	Heterogeneous White,Tan Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
12-1 B2311159.23	Wallboard/Joint Compound	Heterogeneous White,Tan Fibrous Bound	20%	Cellulose	75% 5% <1%	Gypsum Calc Carb Paint	None Detected
12-2 B2311159.24	Wallboard/Joint Compound	Heterogeneous White,Tan Fibrous Bound	20%	Cellulose	75% 5% <1%	Gypsum Calc Carb Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
13-1 B2311159.25A	Covebase	Homogeneous Tan Non-fibrous Bound	100%	Vinyl	None Detected
Layer 1 B2311159.25B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 B2311159.25B	Mastic	Homogeneous Brown Non-fibrous Bound	100%	Mastic	None Detected
13-2 B2311159.26A	Covebase	Homogeneous Tan Non-fibrous Bound	100%	Vinyl	None Detected
Layer 1 B2311159.26B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 B2311159.26B	Mastic	Homogeneous Brown Non-fibrous Bound	100%	Mastic	None Detected
14-1 B2311159.27A	Floor Tile	Homogeneous Green Non-fibrous Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
B2311159.27B	Mastic	Heterogeneous Tan,Black Non-fibrous Bound	65% 33%	Mastic Tar	2% Chrysotile
Unable to separate for individual analysis.					
14-2 B2311159.28A	Floor Tile	Homogeneous Green Non-fibrous Bound	100%	Vinyl	None Detected
B2311159.28B	Mastic	Heterogeneous Tan,Black Non-fibrous Bound	65% 33%	Mastic Tar	2% Chrysotile
Unable to separate for individual analysis.					
15-1 B2311159.29A	Covebase	Homogeneous Brown Non-fibrous Bound	100%	Vinyl	None Detected
B2311159.29B	Mastic	Homogeneous Brown Non-fibrous Bound	100%	Mastic	None Detected
15-2 B2311159.30A	Covebase	Homogeneous Brown Non-fibrous Bound	100%	Vinyl	None Detected
B2311159.30B	Mastic	Homogeneous Brown Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311159
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Bank, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
16-1 B2311159.31	Hvac Duct Tape	Homogeneous Off-white Fibrous Bound	55%	Cellulose	45%	Binder	None Detected
16-2 B2311159.32	Hvac Duct Tape	Homogeneous Off-white Fibrous Bound	55%	Cellulose	45%	Binder	None Detected

eurofins | CEI

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST: Madelyn Schmidt

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

NVLAP® TESTING
NVLAP LAB CODE 101768-0

eurofins | CEI

May 31, 2023

Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

CLIENT PROJECT: Wilson Mall, Wilson Mall - Former Kroger, R3950.00
CEI LAB CODE: B2311158

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 23, 2023. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

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

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

eurofins | CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Mid-Atlantic Associates, Inc.

CLIENT PROJECT: Wilson Mall, Wilson Mall - Former Kroger, R3950.00

LAB CODE: B2311158

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 05/31/23

TOTAL SAMPLES ANALYZED: 22

SAMPLES >1% ASBESTOS:

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wilson Mall, Wilson Mall - Former Kroger, R3950.00 **LAB CODE: B2311158**

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1-1	Layer 1	B2311158.01	Black	Membrane	None Detected
	Layer 2	B2311158.01	Brown,Yellow	Felt Paper & Foam	None Detected
1-2	Layer 1	B2311158.02	Black	Membrane	None Detected
	Layer 2	B2311158.02	Brown,Yellow	Felt Paper & Foam	None Detected
2-1		B2311158.03	Off-white,White	Roof Mastic	None Detected
2-2		B2311158.04	Off-white,White	Roof Mastic	None Detected
3-1		B2311158.05	Black	Penetration Caulk	None Detected
3-2		B2311158.06	Black	Penetration Caulk	None Detected
4-1		B2311158.07	White,Off-white	Roof Caulk	None Detected
4-2		B2311158.08	White,Off-white	Roof Caulk	None Detected
5-1		B2311158.09	Gray,Off-white	Stucco	None Detected
5-2		B2311158.10	Gray,Off-white	Stucco	None Detected
6-1		B2311158.11A	White,Off-white	Floor Tile	None Detected
		B2311158.11B	Yellow,Clear	Mastic	None Detected
6-2		B2311158.12A	White,Off-white	Floor Tile	None Detected
		B2311158.12B	Yellow,Clear	Mastic	None Detected
7-1		B2311158.13	White,Off-white	Wallboard/Joint Compound	None Detected
7-2		B2311158.14	White,Off-white	Wallboard/Joint Compound	None Detected
8-1		B2311158.15A	Gray	Covebase	None Detected
		B2311158.15B	Yellow,Tan	Mastic	None Detected
8-2		B2311158.16A	Gray	Covebase	None Detected
		B2311158.16B	Yellow,Tan	Mastic	None Detected
9-1		B2311158.17	White,Off-white	Ceiling Tile	None Detected
9-2		B2311158.18	White,Off-white	Ceiling Tile	None Detected
10-1		B2311158.19	Gray,Off-white	Ceiling Tile	None Detected
10-2		B2311158.20	Gray,Off-white	Ceiling Tile	None Detected
11-1		B2311158.21	Brown,Beige	Seam Caulk	None Detected
11-2		B2311158.22	Brown,Beige	Seam Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311158
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Kroger, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1-1 Layer 1 B2311158.01	Membrane	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Rubber	None Detected
Layer 2 B2311158.01	Felt Paper & Foam	Heterogeneous Brown,Yellow Fibrous Bound	65%	Cellulose	35%	Foam	None Detected
1-2 Layer 1 B2311158.02	Membrane	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Rubber	None Detected
Layer 2 B2311158.02	Felt Paper & Foam	Heterogeneous Brown,Yellow Fibrous Bound	65%	Cellulose	35%	Foam	None Detected
2-1 B2311158.03	Roof Mastic	Heterogeneous Off-white,White Non-fibrous Bound	<1%	Cellulose	5% 95%	Paint Mastic	None Detected
2-2 B2311158.04	Roof Mastic	Heterogeneous Off-white,White Non-fibrous Bound	<1%	Cellulose	5% 95%	Paint Mastic	None Detected
3-1 B2311158.05	Penetration Caulk	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311158
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Kroger, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
3-2 B2311158.06	Penetration Caulk	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
4-1 B2311158.07	Roof Caulk	Heterogeneous White,Off-white Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Paint	None Detected
4-2 B2311158.08	Roof Caulk	Heterogeneous White,Off-white Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Paint	None Detected
5-1 B2311158.09	Stucco	Heterogeneous Gray,Off-white Fibrous Bound	<1% 15%	Cellulose Fiberglass	35% 20% 30%	Binder Silicates Perlite	None Detected
5-2 B2311158.10	Stucco	Heterogeneous Gray,Off-white Fibrous Bound	<1% 15%	Cellulose Fiberglass	35% 20% 30%	Binder Silicates Perlite	None Detected
6-1 B2311158.11A	Floor Tile	Homogeneous White,Off-white Non-fibrous Tightly Bound	<1%	Cellulose	100%	Vinyl	None Detected
B2311158.11B	Mastic	Homogeneous Yellow,Clear Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311158
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Kroger, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
6-2 B2311158.12A	Floor Tile	Homogeneous White,Off-white Non-fibrous Tightly Bound	<1%	Cellulose	100%	Vinyl	None Detected
B2311158.12B	Mastic	Homogeneous Yellow,Clear Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
7-1 B2311158.13	Wallboard/Joint Compound	Heterogeneous White,Off-white Fibrous Bound	15% 5%	Cellulose Fiberglass	10% 70%	Calc Carb Gypsum	None Detected
7-2 B2311158.14	Wallboard/Joint Compound	Heterogeneous White,Off-white Fibrous Bound	15% 5%	Cellulose Fiberglass	10% 70%	Calc Carb Gypsum	None Detected
8-1 B2311158.15A	Covebase	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	100%	Vinyl	None Detected
B2311158.15B	Mastic	Homogeneous Yellow,Tan Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
8-2 B2311158.16A	Covebase	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B2311158
Date Received: 05-23-23
Date Analyzed: 05-31-23
Date Reported: 05-31-23

Project: Wilson Mall, Wilson Mall - Former Kroger, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
B2311158.16B	Mastic	Homogeneous Yellow,Tan Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
9-1 B2311158.17	Ceiling Tile	Heterogeneous White,Off-white Fibrous Bound	15% 5%	Cellulose Fiberglass	5% 75%	Vinyl Gypsum	None Detected
9-2 B2311158.18	Ceiling Tile	Heterogeneous White,Off-white Fibrous Bound	15% 5%	Cellulose Fiberglass	5% 75%	Vinyl Gypsum	None Detected
10-1 B2311158.19	Ceiling Tile	Heterogeneous Gray,Off-white Fibrous Bound	55% 15% 10%	Cellulose Fiberglass Mineral Wool	5% 15%	Paint Perlite	None Detected
10-2 B2311158.20	Ceiling Tile	Heterogeneous Gray,Off-white Fibrous Bound	55% 15% 10%	Cellulose Fiberglass Mineral Wool	5% 15%	Paint Perlite	None Detected
11-1 B2311158.21	Seam Caulk	Homogeneous Brown,Beige Non-fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
11-2 B2311158.22	Seam Caulk	Homogeneous Brown,Beige Non-fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected

eurofins | CEI

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST: Santi Nicolella
Santi Nicolella

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

NVLAP TESTING
NVLAP LAB CODE 101768-0

APPENDIX C - PHOTOGRAPHS

Mid Atlantic

General view of the Former Bank structure on the Subject Property

General view of the interior of the Former Bank structure on the Subject Property

General view of the canopy roof on the Former Bank structure with asbestos-containing Brown Felt Paper beneath Gravel and Black Tar (HA 6)

General view of asbestos-containing Tan/ Black Mastic beneath 12" x 12" Green Floor Tile (HA 14)

General view of the Former Kroger structure on the Subject Property

General view of the interior of the Former Kroger structure on the Subject Property

APPENDIX D - ASBESTOS INSPECTOR CERTIFICATION

Mid Atlantic

Colton A Gotshall
4045 Needham Rd
Bailey, NC 27807

138941

North Carolina
Asbestos Accreditation

EXPIRATION			
01-31-2024			
DOB	SEX	HT	WT
03-31-1995	M	6'0"	200
CLASS		#	EXP
INSPECTOR		13317	01-24