HISTORIC PRESERVATION COMMISSION

Marc Elrich
County Executive

Sandra I. Heiler
Chairman

Date: August 12, 2020

MEMORANDUM

TO: Mitra Pedoeem
Department of Permitting Services
FROM: Michael Kyne
Historic Preservation Section
Maryland-National Capital Park & Planning Commission
SUBJECT: Historic Area Work Permit #920991: Demolition of accessory buildings

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The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **Approved** at the August 12, 2020 HPC meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Montgomery Parks (Scott Whipple, Agent)
Address: 21414 Georgia Avenue, Brookeville

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Michael Kyne at 301.563.3403 or michael.kyne@montgomeryplanning.org to schedule a follow-up site visit.

DEPARTMENT OF PERMITTING SERVICES

Marc Elrich
County Executive

Mitra Pedoeem
Director

HISTORIC AREA WORK PERMIT APPLICATION

Application Date: 7/22/2020

Application No: 920991
AP Type: HISTORIC
Customer No: 1379687

Affidavit Acknowledgement

The Homeowner is the Primary applicant
This application does not violate any covenants and deed restrictions

Primary Applicant Information

Address	21414 GEORGIA AVE BROOKEVILLE, MD 20833
Homeowner	Montgomery Parks (Primary)

Historic Area Work Permit Details

Work Type	DEMO
Scope of Work	Application to demolish two non-contributing accessory structures.

REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

APPROVED
Montgomery County
Historic Preservation Commission

Sandra J. Heiler

ASBESTOS, LEAD PAINT AND RADON REPORT

FOR

21414 GEORGIA AVENUE
Brooksville, MD 20833

PREPARED FOR THE BENEFIT OF

MARYLAND NATIONAL CAPITAL PARKS AND PLANNING COMMISSION
16641 Crabbs Branch Way, Bldg. B
Rockville, MD 20855

BY

AIR, LAND AND WATER ENGINEERING, INC.
10017 Hackberry Lane, Suite 10
Columbia, MD 21046
Phone 410-997-0395
Fax 410-997-0278

AUGUST 13, 2014
ALWE PROJECT 14-3240

TABLE OF CONTENTS

ATTACHMENTS

APPENDIX

REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

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1.0 CERTIFICATION

Air, Land and Water Engineering, Inc. (ALWE) has performed an asbestos and lead paint survey at the residential building and three sheds located at 21414 Georgia Avenue, MD 20833.

Laurence Brand 8/13/14

Laurence T. Brand, PE Senior Engineer Date

2.0 BACKGROUND

The Client requested that ALWE perform lead, asbestos, and radon testing at the address listed above. This survey was compared with a previously ALWE asbestos, mold and radon survey, with the ALWE report dated September 2, 2009 (ALWE 2009). The property includes a house and three sheds; an Electrical Shed (small), Storage Shed (medium), and Large Shed. Please note that the sheds were not part of the original survey to inspect. ALWE can provide removal specifications and provide removal monitoring for an additional fee.

3.0 ASBESTOS SURVEY METHODOLOGY

On May 12 and June 18, 2014, ALWE performed an asbestos survey (ALWE, 2014) to assess readily observable and readily accessible suspect asbestos containing materials (ACM) in the house and three sheds. The three sheds are designated Small Electrical Shed, Storage Shed, and Large Shed. The procedures utilized during our survey included: visual observations, material sampling, and laboratory analysis of suspect building materials. This asbestos survey was compared with the ALWE 2009 report done for Amtek by Laurence Brand.

This report presents the general description of samples, locations where samples were collected, and the results of laboratory analysis of these collected samples.

The survey began with a walk-through and visual survey of the building, followed by the selection of sampling areas and then the collection of bulk samples. Material sampling areas were grouped based on material homogeneity. A homogeneous area is one that contains material that is similar in texture and color. Consideration is also given to the material's function and installation period.

ALWE representative, Derek Falzoi, a Licensed Asbestos Inspector, performed the asbestos survey. Samples of suspect asbestos containing materials were collected by ALWE at various locations and analyzed for asbestos content. The materials ALWE sampled in 2009 included pipe insulation, floor tile and mastic, textured ceiling, closet ceiling material, drywall joint compound, window caulk, and window glazing. The materials ALWE sampled [illegible] mastic, ceramic tile mastic, roofing shingles on house, roofing shingles on sheds, siding shingle on shed, vapor barrier (behind siding shingle) on shed, roof vapor barrier, sink basin mastic, textured ceiling, plaster (skim and rough, behind textured ceiling), loose cardboard insulation, and yellow wall mastic dots.

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Both sets of laboratory data are included in Appendix A. A Figure with the House and 3 Sheds is included in Appendix B with the asbestos sample locations is provided in Appendix B.

The samples were analyzed using Polarized Light Microscopy (PLM) coupled with Dispersion Staining as outlined in the Environmental Protection Agency's (EPA) "Method for the Determination of Asbestos in Bulk Materials" (EPA-600/R-93/116, July 1993). A listing of the sampled materials and their locations can be found in the table in section 5 and in the Laboratory Report forms, located in Appendix A.

4.0 LEAD PAINT TESTING METHODOLOGY

On May 9 and 12, and June 8 2014, ALWE representative Derek Falzoi, a Licensed Maryland Risk Assessor, performed lead-based paint testing on readily accessible and observable suspect lead-based painted surfaces, utilizing X-Ray Fluorescence (XRF) technology.

Maryland regulations define lead-based paint, as paint with more than 0.7 milligrams per square centimeter (mg/cm^2) or greater than 0.5% lead by weight. The XRF test results and laboratory results are attached in Appendix C. This lead-based paint testing was limited to accessible surfaces.

The report shows each reading in the sequence that it was taken. The rooms and the surfaces in the rooms are designated on the report and each sample taken within that room was characterized as follows: the wall labeled A is the wall that faces the front of the building, going clockwise, the B wall is the next wall, C the next and the last wall is D. Please note that Wall A was designated at the Side Door Entrance into the House. The XRF results column, given in units of milligrams per square centimeter (mg/cm^2), is recorded onto the data sheets directly from the XRF analyzer after each test. A negative number sometimes exists because of the nature of the algorithmic substrate correction features of the spectrum analyzer. This is not meant to be interpreted as a "negative" amount of lead, but rather an effect from the density of the substrate on the detectable amount of excited lead electrons, if any, which can be associated with the components reading.

5.0 RADON TESTING METHODOLOGY

On August 14, 2009, ALWE representative Mr. Laurence Brand was onsite to perform the initial radon testing. On this date, two radon detection canisters were placed side-by-side in the dining room (ALWE Room 3) of the house. The starting started on August 14, 2009, and ended on August 17, 2009. Since there was a high result, ALWE recommended a retest.

On August 27, 2009, ALWE representative Mr. Laurence Brand was onsite to perform the follow-up radon testing. On this date, two radon detection canisters were placed side-by-side in the dining room (ALWE Room 3) of the house, and the testing ran longer than the initial testing. The starting started on August 27, 2009, and ended on September 3, 2009.

On June 16, 2014, ALWE representative Mr. Derek Falzoi was requested by M-NCPPC to perform follow-up radon testing. On this date, two radon detection canisters were placed side-by-side in the Living Room (ALWE Room 5) of the house. The starting started on June 18, 2014, and ended on June 24, 2014.

The action level for radon at 4.0 picoCuries per liter of air (pCi/L). The three sets of radon results are located in Appendix D.

6.0 RESULTS, CONCLUSIONS AND RECOMMENDATIONS

Asbestos (ALWE 2014 unless otherwise noted)

The **Ceramic Tile Mastic** was found to contain **15% Chrysotile Asbestos**. This material was found to be present in the ½ Bathroom (ALWE Room 8) throughout each of the lower walls (75 square feet), and at Walls C and D of ALWE Room 9 (25 square feet) for a total of **100 square feet present**. This material was described by the laboratory as having a tan/cream/olive appearance. This material was not sampled in the original survey because the condition of this material had deteriorated, allowing the mastic to be visible. Please note that a similar material located at the Bathroom (ALWE 2) of Yellow Mastic Dots, located behind ceramic-designed metal outer walls had tested negative by laboratory analysis.

The **Gray Wall Vapor Barrier (2nd Layer)** was found to contain **30-50% Chrysotile Asbestos.** This material is only **present along each wall of the Large Shed**. The outer (1st layer) material is described as exterior brick pattern siding shingle, and tested negative by laboratory analysis. ALWE initially sampled this material on May 12, 2014, and also took a confirmatory sample of this material on June 18, 2014, and both samples tested positive by laboratory analysis. Also on June 18, 2014, ALWE quantified this material and found that approximately **1,700 square feet was present.** Please note that the samples were taken from exposed areas along Wall A of the Large Shed, and the material was observed to be in poor condition.

The **Loose Pipe Insulation** was found to contain **40-50% Chrysotile Asbestos.** This material was observed present in the Basement of the House unattached to the piping and in poor condition in 2009. In 2014, ALWE collected two more samples. Each of the three samples collected tested positive by laboratory analysis. This material was observed present exposed beneath soil at the A/B tunnel, A/B corner of the room, and D/A corner of the room. There was approximately 20 square feet of this material observed on this date. Due to poor condition of the Basement and soil being present, more of this asbestos-containing material might be present. Additionally, this asbestos-containing pipe insulation may be hidden within the walls. ALWE advises not entering this Basement without proper protective equipment including full body disposable suits and appropriate respirators.

The **Window Caulk** associated with the exterior of the house was found to contain **3% Chrysotile Asbestos** per ALWE (2009) report. The laboratory described its appearance as tan/white. ALWE (2014) collected two additional samples of this material which tested negative. Since there was one sample that had previously tested positive, this material should be considered an asbestos-containing material. Additionally, even though the sample was collected from around a window fixture, other fixtures with this caulking including doors and wall expansion joints should be considered asbestos-containing.

Lead Paint
Please note that Wall A refers to the Side Door entrance, oriented clockwise. According to the XRF test results, lead-based paint (LBP) was detected on the following surfaces:

Interior of House: The Front Doorjamb, Window Sashes and Casings, Baseboards, and Closet Door at the Side Entry/Kitchen (ALWE Room 1). The Door and Door Casing, Window Sashes and Casings, Wood Wall A, Closet Doors, Support Board, and Towel Rack Support Board in the Main Floor Bathroom (ALWE Room 2). The Door Casings and Cabinet in ALWE Room 3. The Door Casings, Window Components (Sash, Sill, Casing), and Cabinet in the Living Room (ALWE Room 5). The Doors and Doorjambs, Door Threshold at Wall E, Window Components (Sash, Sill, Casing), Walls B and D, and Ceiling at the Sun Room (ALWE Room 6). The Window Sashes and Casings, Baseboards, Floor, Closet Door Casing, Stair Treads and Risers at ALWE Room including Stairwell, The Door Casings, Window Components (Sash, Sill, Casing), and Ceramic Walls at 2nd Floor ½ Bathroom (ALWE Room 8) and ALWE Room 9. The Window Components (Sash, Sill, Casing) at ALWE Room 10.

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Exterior of House: The Door Casings, Doorjambs, Wall B (where paint is present), Front Porch Ceiling and Headers, Window Casings (except for those in the Sun Room), Window Lintels (metal and concrete), and Soffits associated with window sets.

Exterior of Small Electrical Shed: The Window Casings.

Locations of lead-based painted materials are provided in the sample results table located Appendix B.

Proper precautions should be taken to ensure that occupants, workers, and contractors are protected from the potential risks associated with lead-based paint during any renovation or demolition work. Removal of lead paint is not required before demolition of the structure.

Radon

The initial radon testing starting on **August 17, 2009** had an average result of the two side-by-side canisters was **4.0 pCi/L.** The EPA recommends fixing your home if the average of two short-term tests that is taken in the lowest level of the home suitable for occupancy, show radon levels that are equal or greater to the action level. ALWE recommended follow-up testing.

ALWE performed follow-up testing for week long period starting on **August 27, 2009**. The average result of the two side-by-side canisters was **3.9 pCi/L.** The laboratory noted that radon concentrations were estimated due to excessive moisture at the test location, and recommended a re-test performed when the humidity in the location is lower.

The testing performed by ALWE starting on **June 18, 2014** had an average result of the two side-by-side canisters was **3.6 pCi/L.**

The results are still below the action level. Please note that the EPA recommends retesting if your living patterns change such as when remodeling is performed or if the Basement becomes occupied.

7.0 LIMITATIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by ALWE in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations, and materials that were observed at the time the fieldwork was conducted. No inferences regarding other conditions, locations, or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made. ALWE's liability and that of its contractors and subcontractors, arising from any services rendered hereunder, shall not exceed the total fee paid by the client to ALWE for this project. This report was prepared for the sole use of our client. The use of this report by anyone other than our client or ALWE is strictly prohibited without the expressed prior written consent of ALWE. Portions of this report may not be used independent of the entire report.

REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

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Historic Preservation Commission

APPENDIX A
LABORATORY RESULTS

EMSL Analytical, Inc.
10768 Baltimore Avenue, Beltsville, MD 20705
Phone: (301) 937-5700 Fax: (301) 937-5701 Email: beltsvillelab@emsi.com

Attn: **Larry Brand**
Air, Land & Water Engineering Inc.
10017 Hackberry Lane
Suite 10
Columbia, MD 21046

Fax: (410) 997-0278 Phone: (410) 997-0395
Project: **GA Ave/09-1352**

Customer ID: ALWE62
Customer PO:
Received: 08/17/09 9:30 AM
EMSL Order: 190907876

EMSL Proj:
Analysis Date: 8/17/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
1 *190907876-0001*	Pipe Insulation in basement/crawlspace	Brown/White Fibrous Heterogeneous	25% Cellulose	0% Non-fibrous (other) 35% Ca Carbonate	40% Chrysotile
2-Floor Tile *190907876-0002*	Toplayer kitchen 12x12 floor tile	White/Red/Beige Non-Fibrous Heterogeneous	5% Cellulose 3% Synthetic	52% Non-fibrous (other) 40% Ca Carbonate	None Detected
2-Mastic *190907876-0002A*	Toplayer kitchen 12x12 floor tile	Brown/Clear Fibrous Heterogeneous	5% Cellulose 10% Synthetic	85% Non-fibrous (other)	None Detected
3-Floor Tile *190907876-0003*	Bottom Layer	Gray/White Non-Fibrous Heterogeneous	2% Cellulose 3% Synthetic	55% Non-fibrous (other) 40% Ca Carbonate	None Detected
3-Mastic *190907876-0003A*	Bottom Layer	Brown/Clear Fibrous Heterogeneous	10% Cellulose 25% Synthetic	65% Non-fibrous (other)	None Detected
4-Floor Tile *190907876-0004*	12x12 FT in upstairs bathroom	Gray/Beige Non-Fibrous Heterogeneous	2% Cellulose 2% Synthetic	61% Non-fibrous (other) 35% Ca Carbonate	None Detected
4-Mastic *190907876-0004A*	12x12 FT in upstairs bathroom	Brown/Clear Fibrous	15% Cellulose 10% Synthetic	75% Non-fibrous (other)	None Detected

REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

Analyst(s)
George Malone (14)

Joe Cerniglia, Laboratory Manager
or other approved signatory

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Montgomery County
Historic Preservation Commission

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.
Samples analyzed by EMSL Analytical, Inc. Beltsville 10768 Baltimore Avenue, Beltsville MD NVLAP Lab Code 200293-0

Test Report PLM-7.12.0 Printed: 8/19/2009 2:07:32 PM

EMSL Analytical, Inc.
10768 Baltimore Avenue, Beltsville, MD 20705
Phone: (301) 937-5700 Fax: (301) 937-5701 Email: beltsvillelab@emsl.com

Attn: **Larry Brand**
Air, Land & Water Engineering Inc.
10017 Hackberry Lane
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Fax: (410) 997-0278 Phone: (410) 997-0395
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Customer PO:
Received: 08/17/09 9:30 AM
EMSL Order: 190907876

EMSL Proj:
Analysis Date: 8/17/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
5 *190907876-0005*	DR Text Ceiling	White/Black Non-Fibrous Heterogeneous		80% Non-fibrous (other) 20% Mica	None Detected
6 *190907876-0006*	DR Text Ceiling	White/Black Fibrous Heterogeneous	10% Cellulose	70% Non-fibrous (other) 20% Mica	None Detected
7 *190907876-0007*	DR Text Ceiling	Brown/White Fibrous Heterogeneous	10% Cellulose	65% Non-fibrous (other) 25% Mica	None Detected
8 *190907876-0008*	Closet in BR4 Ceiling material	Brown/White Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
9 *190907876-0009*	Drywall Joint Compound BR4 Ceiling	Brown/White Fibrous Heterogeneous	20% Cellulose	55% Non-fibrous (other) 25% Mica	None Detected
10 *190907876-0010*	Window Caulk	Tan/White Fibrous Heterogeneous	2% Cellulose	95% Non-fibrous (other)	3% Chrysotile
11 *190907876-0011*	Window Glazing	Gray/White Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

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Analyst(s)
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or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Beltsville 10768 Baltimore Avenue, Beltsville MD NVLAP Lab Code 200293-0

Test Report PLM-7.12.0 Printed: 8/19/2009 2:07:33 PM

THIS IS THE LAST PAGE OF THE REPORT.

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10768 Baltimore Avenue, Beltsville, MD 20705
Phone/Fax (301) 937-5700 / (301) 937-5701
http://www.EMSL.com beltsvillelab@emsl.com

EMSL Order:	191404174
CustomerID:	ALWE62
CustomerPO:	
ProjectID:	

Attn: **Larry Brand**
Air, Land & Water Engineering Inc.
10017 Hackberry Lane
Suite 10
Columbia, MD 21046

Phone:	(410) 997-0395
Fax:	(410) 997-0278
Received:	05/12/14 12:35 PM
Analysis Date:	5/14/2014
Collected:	5/12/2014

Project: **14-3240 21414 GEORGIA AVE**

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
1-Floor Tile *191404174-0001*	12X12 BEIGE W/STREAKS FT & MASTIC 1 SIDE ENTRY/KIT	Beige/Cream Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	**None Detected**
1-Mastic *191404174-0001A*	12X12 BEIGE W/STREAKS FT & MASTIC 1 SIDE ENTRY/KIT	Brown/Yellow Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (other)	**None Detected**
2-Linoleum *191404174-0002*	BIEGE & BRN. SQ. PATTERN LINO. 8 2ND FL 1/2 BATH	Brown/Beige/Crea m Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	**None Detected**
2-Mastic *191404174-0002A*	BIEGE & BRN. SQ. PATTERN LINO. 8 2ND FL 1/2 BATH	Brown/Yellow Fibrous Homogeneous	35% Cellulose 12% Synthetic	53% Non-fibrous (other)	**None Detected**
3 *191404174-0003*	CERAMIC TILE MASTIC 9 RM WALL A	Tan/Cream/Olive Fibrous Homogeneous		85% Non-fibrous (other)	**15% Chrysotile**
4 *191404174-0004*	BLK. ROOF SHINGLES UNDER METAL UPPER ROOF EXTERIOR - HOUSE D/A CORNER	Brown/Gray/Black Fibrous Homogeneous	40% Cellulose 10% Synthetic	10% Mica 40% Non-fibrous (other)	**None Detected**

REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

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Analyst(s)
George Malone (20)

Joe Centifonti, Laboratory Manager
or other approved signatory

Initial report from 05/15/2014 05:43:37

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Project: **14-3240 21414 GEORGIA AVE**

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

			Non-Asbestos			Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous		% Type
5 *191404174-0005*	BLK. ROOF SHINGLES UNDER METAL UPPER ROOF EXTERIOR - ELEC. SHED	Brown/Gray/Black Fibrous Homogeneous	30% Cellulose 20% Synthetic	5% Mica 45% Non-fibrous (other)		**None Detected**
6 *191404174-0006*	BLK. ROOF SHINGLES NO METAL ROOF EXTERIOR - STORAGE SHED	Gray/White Fibrous Homogeneous	35% Glass	20% Quartz 45% Non-fibrous (other)		**None Detected**
7 *191404174-0007*	EXT. CAULKING EXT. HOUSE WALL D AROUND WINDOWS	Gray/Tan/White Fibrous Homogeneous	5% Cellulose	15% Quartz 80% Non-fibrous (other)		**None Detected**
8 *191404174-0008*	EXT. WINDOW GLAZING LARGE SHED WALL A	Gray/White Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)		**None Detected**
9 *191404174-0009*	EXT. BRICK PATTERN SIDING SHINGLE WALL A	Gray/Red/Black Fibrous Homogeneous	40% Cellulose 20% Synthetic	10% Mica 30% Non-fibrous (other)		**None Detected**
10 *191404174-0010*	GRAY VAPOR BARRIER WALL A	Brown/White/Black Fibrous Homogeneous	30% Cellulose 20% Synthetic	20% Non-fibrous (other)	30%	**Chrysotile**
11 *191404174-0011*	EXT. ROOF V[illegible] BARRIER L[illegible] WALL B	Brown/Gray/Black Fibrous [illegible]eous	45% Cellulose 15% Synthetic	15% Mica 25% Non-fibrous (other)		**None Detected**

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By Michael Kyne at 12:02 am, Aug 13, 2020

Analyst(s)
George Malone (20)

Joe Centifonti, Laboratory Manager
or other approved signatory

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Initial report from 05/15/2014 05:43:37

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

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
12 *191404174-0012*	WHT. SINK BASIN MASTIC 1 SIDE ENTRY/KIT.	Beige/Cream Fibrous Homogeneous	45% Cellulose	25% Mica 30% Non-fibrous (other)	**None Detected**
13-Textured Ceiling / Skim Coat *191404174-0013*	TEXTURED CEILING & PLASTER 3 RM AT CEILING	White Non-Fibrous Homogeneous		30% Mica 70% Non-fibrous (other)	**None Detected**
13-Rough Coat *191404174-0013A*	TEXTURED CEILING & PLASTER 3 RM AT CEILING	Brown/Beige Non-Fibrous Homogeneous		50% Quartz 50% Non-fibrous (other)	**None Detected**
14-Textured Ceiling / Skim Coat *191404174-0014*	TEXTURED CEILING & PLASTER 3 RM AT CEILING	Brown/White Fibrous Homogeneous	12% Cellulose	30% Mica 58% Non-fibrous (other)	**None Detected**
14-Rough Coat *191404174-0014A*	TEXTURED CEILING & PLASTER 3 RM AT CEILING	Brown/Beige Non-Fibrous Homogeneous		55% Quartz 45% Non-fibrous (other)	**None Detected**
15-Textured Ceiling / Skim Coat *191404174-0015*	TEXTURED CEILING & PLASTER 3 RM AT CEILING	Tan/White Non-Fibrous Homogeneous		30% Mica 70% Non-fibrous (other)	**None Detected**
15-Rough Coat *191404174-0015A*	TEXTURED CEILING & PLASTER 3 RM AT CEI	Brown/Beige Fibrous Homogeneous	2% Cellulose	50% Quartz 48% Non-fibrous (other)	**None Detected**

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George Malone (20)

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Joe Centifonti, Laboratory Manager
or other approved signatory

Initial report from 05/15/2014 05:43:37

EMSL Analytical, Inc.
10768 Baltimore Avenue, Beltsville, MD 20705
Phone/Fax: (301) 937-5700 / (301) 937-5701
http://www.EMSL.com beltsvillelab@emsl.com

EMSL Order:	191405595
CustomerID:	ALWE62
CustomerPO:	
ProjectID:	

Attn: **Larry Brand**
Air, Land & Water Engineering Inc.
10017 Hackberry Lane
Suite 10
Columbia, MD 21046

Phone:	(410) 997-0395
Fax:	(410) 997-0278
Received:	06/18/14 2:45 PM
Analysis Date:	6/18/2014
Collected:	6/18/2014

Project: **14-3240 21414 GEORGIA AVENUE**

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

			Non-Asbestos				Asbestos	
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	%	Type
16 *191405595-0001*	LOOSE CARDBOARD PIPE INS BSMT A/B CORNER AT FL	Brown/Cream/Rust Fibrous Homogeneous	5% 25%	Glass Cellulose	25% 0%	Ca Carbonate Non-fibrous (other)	**45%**	**Chrysotile**
17 *191405595-0002*	LOOSE CARDBOARD PIPE INS AT GRAND AT RIGHT SMALL - TUNNEL FACING WALL A	Brown/Gray/Cream Fibrous Homogeneous	25%	Cellulose	25% 0%	Ca Carbonate Non-fibrous (other)	**50%**	**Chrysotile**
18 *191405595-0003*	WINDOW CAULK EXT WALL D WINDOW D3	Gray/White/Beige Fibrous Homogeneous	15%	Fibrous (other)	15% 70%	Quartz Non-fibrous (other)		**None Detected**
19 *191405595-0004*	GRAY VAPOR BARRIER 2ND LAYER LARGE SHED WALL A	Brown/White/Black Fibrous Homogeneous	30%	Cellulose	20%	Non-fibrous (other)	**50%**	**Chrysotile**
20 *191405595-0005*	YELLOW MASTIC DOTS BATHRM WALL BEHIND METAL WALL	Blue/Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
21 *191405595-0006*	GRAY ROOFING SEALANT EXT WALL D	Gray/Tan Fibrous Homogeneous	25%	Synthetic	75%	Non-fibrous (other)		**None Detected**

REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

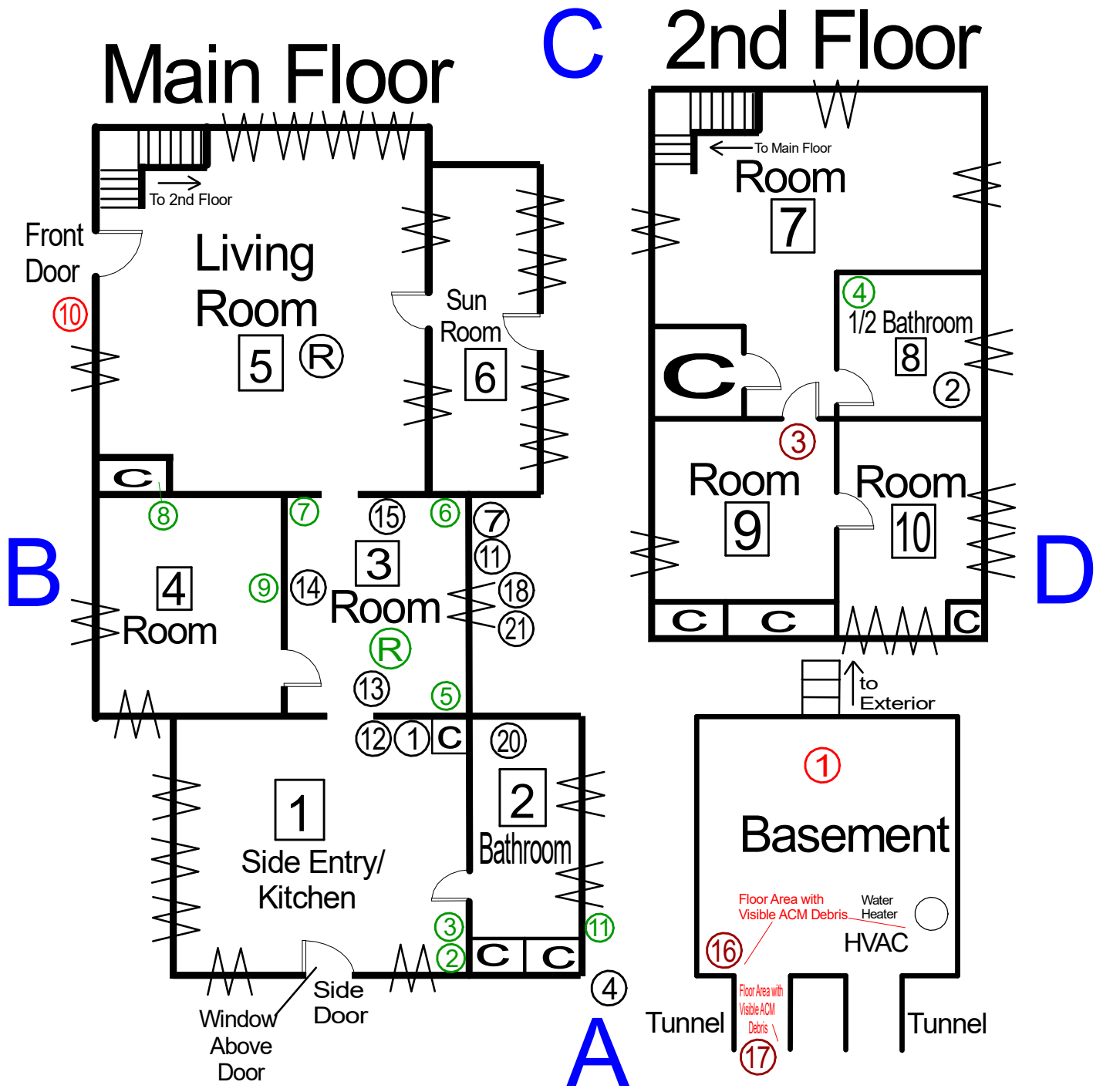
Analyst(s)
George Malone (6)

APPROVED
Montgomery County
Historic Preservation Commission

Joe Centifonti, Laboratory Manager
or other approved signatory

Initial report from 06/19/2014 09:21:56

APPENDIX B
SITE SKETCH WITH ASBESTOS SAMPLE LOCATIONS



[3] ALWE Room #

Ⓡ Radon Sample from 2009

Ⓡ Radon Sample from 2014

② Asbestos Sample # from 2009

④ Asbestos Sample # from 2014

① Positive Asbeseos Sample # from 2009

⑯ Positive Asbeseos Sample # from 2014

A, B, C, D Direction

c Closet w Window

REVIEWED

By Michael Kyne at 12:02 am, Aug 13, 2020

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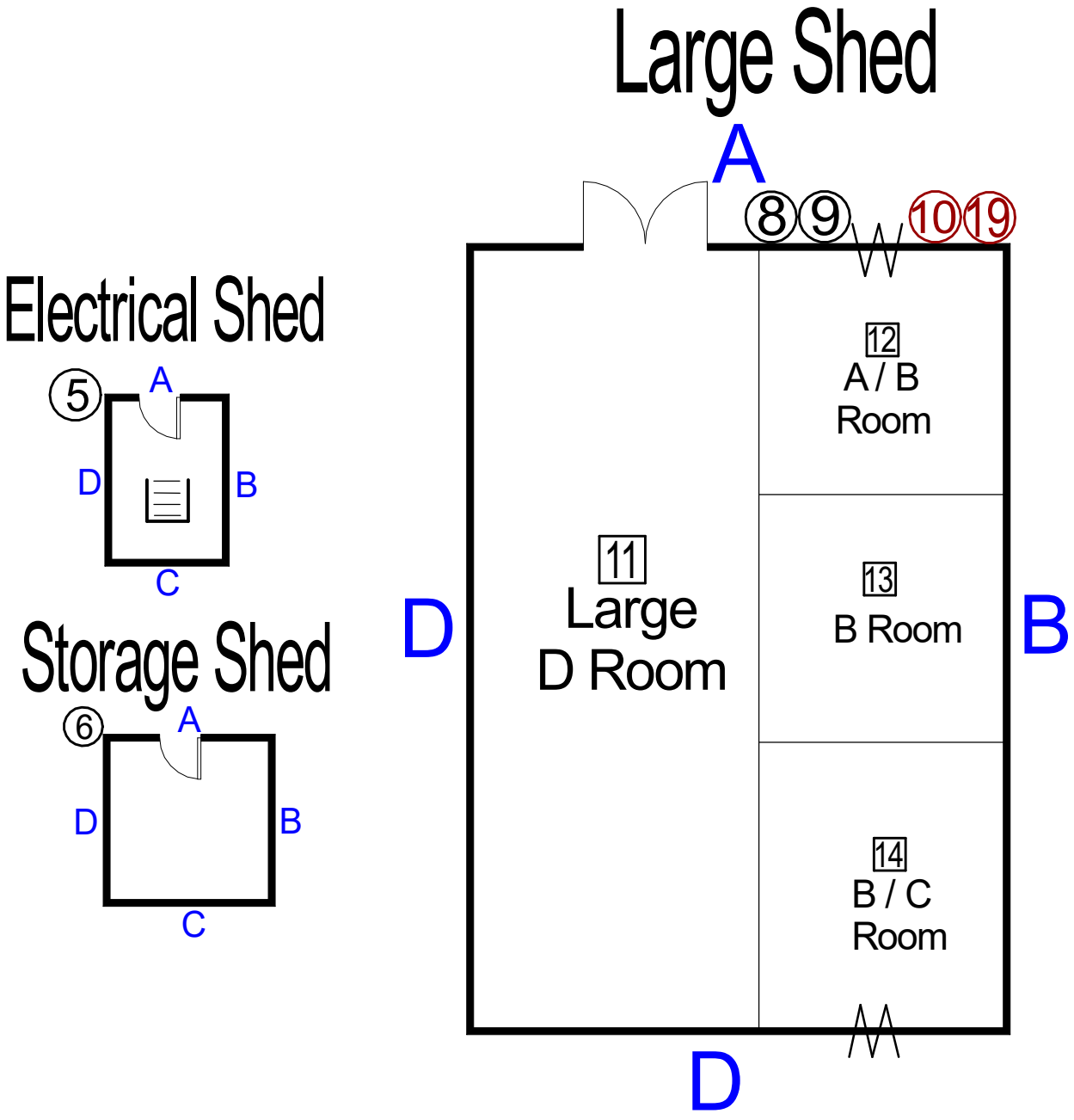
Montgomery County
Historic Preservation Commission

FIGURE 1 House

Air, Land and Water Engineering, Inc.
10017 Hackberry Lane
Suite 10
Columbia, MD 21046
410-997-0395

SUBJECT SITE:
21414 Georgia Ave
Brookesville, MD 20833
ALWE JOB NO. 14-3240
ASBESTOS, LEAD, and RADON
SAMPLE LOCATION MAP



REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

3 ALWE Room #
④ Asbestos Sample # from 2014
16 Positive Asbeseos Sample # from 2014
A, B, C, D Direction
c Closet w Window

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Historic Preservation Commission

FIGURE 2
3 Sheds

Air, Land and Water Engineering, Inc.
10017 Hackberry Lane
Suite 10
Columbia, MD 21046
410-997-0395

SUBJECT SITE:
21414 Georgia Ave
Brookesville, MD 20833
ALWE JOB NO. 14-3240
ASBESTOS, LEAD, and RADON
SAMPLE LOCATION MAP

REVIEWED
By Michael Kyne at 12:02 am, Aug 13, 2020

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Historic Preservation Commission

Sandra J. Heiler

APPENDIX C
LEAD BASED PAINT XRF RESULTS

XRF Data Sheet Interpretations

The following definitions will aid in interpreting the specific columns of information located in the XRF Lead-Based Paint Inspection Data sheets:

Column #1 - "Wall": Each component tested is reported by a wall code of A, B, C, D, or N/A. A component is described with a wall code of "A" if it is located on the closest wall with the same orientation as the wall containing the front door of the property. Components are assigned a letter B, C, or D in a clockwise manner based on the location of wall A. The code "N/A" is assigned to ceiling or floors. When multiple components of the same type within a room, common area or exterior site are tested, testing shall proceed from left to right, when facing the component, with each unit assigned a number, such as 1,2,3, etc...(e.g. A^1 window is the first window on the left side on the A wall. B^2 window sill is the second window sill from the left on the B wall.) If only one item is present, no additional numbering is required.

Column #2- "XRF Reading": This is the XRF reading column given in units of milligrams per square centimeter (mg/cm2) and is recorded onto the data sheets directly from the XRF analyzer after each test. A negative number sometimes exists because of the nature of the algorithmic substrate correction features of the spectrum analyzer. This is not meant to be interpreted as a "negative" amount of lead, but rather an effect from the density of the substrate on the detectable amount of excited lead electron particles if any, can be associated with the components reading.

Column #3- Classification of Readings

Each XRF test is classified as positive, negative, or inconclusive based on the following results according to the Performance Characteristic sheet for an RMD LPA-l using the "quick" mode and in accordance with the Maryland standard of >0.7 mg/cm^2. If no classification is shown than the result is negative.

For metal, brick, concrete, drywall, plaster, and wood substrates:

Negative (N)	**Positive (P)**	**Inconclusive (I)**
≤ 0.7 mg/cm^2	$\geq$ .8 mg/cm^2	0.8 mg/cm^2

If a result of inconclusive is shown on the instrument, it will be recorded by the inspector as positive/inconclusive (P/I), or inconclusive/positive (I/P) to reflect the fact that 0.8 is considered a positive result in Maryland. If this is an isolated reading, the client may elect to have a paint chip laboratory analysis done since the laboratory analysis is more definitive. ALWE does not confirm these inconclusive readings unless approval is given to collect a paint chip sample for analysis. Additional fees are charged for the time to collect paint chip samples and for the laboratory analysis of these paint chip samples.

Column #4 – Paint Condition

I = Intact
F = Fair
P = Poor

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By Michael Kyne at 12:02 am, Aug 13, 2020

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XRF Lead – Based Paint Inspection Data Sheet – Interior Rooms

Address: 21414 Georgia Avenue

Client: M-NCPPC

ALWE Project No. 14-3240

Calibration

In	Out
1.1	1.0
1.0	1.0
1.0	0.8

Date: 5/9/14

Page 1 **of** 4

	1-Side Entry/Kitchen				2-Bathroom				3-Room				4-Room				5-Living Room			
Door	A	-0.4	N	interior	B	0.8	P		B	-0.2	N		D	-0.2	N		B	0.2	N	
Door Jamb	A	8.9	P																	
Door Casing					B	2.0	P		A	2.1	P		D	-0.1	N		B	>9.9	P	
Door Transom (Threshold)	A	-0.4	N																	
Door threshold	C	-0.2	N																	
Window sash	A2	5.0	P		D2	1.8	P		D	0.4	N		A	-0.2	N		B	9.0	P	
Window sill	← the painted window in area								D	-0.1	N		A	-0.1	N		B	>9.9	P	
Window casing	A2	2.1	P		D2	1.9	P		D	-0.2	N		A	-0.3	N		B	>9.9	P	
Crown Molding													A	-0.3	N					
Chair rail																				
Baseboard	A	3.0	P		B	-0.1	N						A	-0.2	N					
Floor										-0.2	N									
A wall	A	0.1	N	paneling	A	1.2	P	Wood	A	-0.1	N	paneling	A	-0.2	N	paneling	A	-0.1	N	paneling
B wall	B				B	0.2	N		B				B				B			
C wall	C	-0.3	N	paneling	C	-0.1	N		C				C				C			
D wall	D			paneling	D	-0.2	N		D				D				D	-0.2	N	
Ceiling		-0.1	N	drywall		0.1	N			-0.2	N	textured ceiling		-0.1	N					
Closet door	B	0.8	P/I		A2	1.4	P													
Closet door casing (Wall)	B	-0.3	N																	
Closet shelf	B	-0.4																		
Shelf support																				
Cabinet																				
Radiator	A	0.0	N														A	>9.9	P	
Lintel																	C	-0.1	N	
Shelf	A	-0.3	N																	
Sweep + board					B	0.8	P/I													
Towel rack Sweep + board					B	1.3	P													
Top of wood window trim																	C	-0.1	N	

inner

REVIEWED
By Michael Kyne at 12:03 am, Aug 13, 2020

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The columns of data within each room are organized as follows: 1st column = wall code; 2nd column = XRF reading; 3rd column = classification of reading; 4th column = paint condition (I = intact; F= fair; P= poor)

XRF Lead – Based Paint Inspection Data Sheet – Interior Rooms

Address: 21414 Georgia Avenue

Client: M-NCPPC

ALWE Project No. 14-3240

Date: 5/12/14

Page 2 **of** 4

Calibration

In	Out
0.9	1.1
1.0	1.1
0.9	1.2

Main - 2nd Fl. Stairwell and

	6 - Sun Room				7 - Room				8 - 1/2 Bath				9 - Room				10 - Room			
Door	B	>9.9	P	I	A	-0.2	N		B	-0.4	N									
Door Jamb	B	>9.9	P	I	A	-0.1	N										B	-0.1	N	
Door Casing									B	2.8	P	I	C	2.1	P	I				
Door Transom																				
Door threshold	B	3.7	P	I	C	-0.2	N													
Window sash	B1	1.3	P	I	C	2.6	P	I	D	3.0	P	I	B	2.3	P	I	A	2.9	P	I
Window sill	B1	2.7	P	I					D	4.2	P	I	B	7.1	P	I	A	4.2	P	I
Window casing	B1	>9.9	P	I	C	1.7	P	I	D	5.3	P	I	B	3.7	P	I	A	2.3	P	I
Crown Molding																				
Chair rail					where painted / present															
Baseboard					C	0.8	P/I	I					A	-0.3	N					
Floor		0.3	N			0.8	P/I	I						-0.1	N					
A wall	A	-0.2	N		A	-0.2	N	peeling	A	-0.2	N	peeling	A	-0.2	N		A	-0.2	N	peeling
B wall	B	>9.9	P	I	B				B	-0.1	N		B	-0.2	N		B			
C wall	C	-0.3	N		C				C	-0.2	N		C	0.6	N		C			
D wall	D	>9.9	P	I	D				D				D				D			
Ceiling		>9.9	P	I																
Closet door					B	-0.1	N													
Closet door casing					B	2.8	P													
Closet shelf									B	-0.1	N									
Shelf support					B	-0.2	N													
Trim													A	-0.2	N					
Radiator					C	0.0	N						A	-0.2	N					
Ceramic wall									D	>9.9	P	I	B	>9.9	P	I				
Hatch door					B	0.0	N													
door casing					B	0.3	N													
Tread					B/C	1.5	P	I												
Riser					B/C	2.6	P	I												

REVIEWED
By Michael Kyne at 12:03 am, Aug 13, 2020

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Historic Preservation Commission

Sandra L. Heiler

The columns of data within each room are organized as follows: 1st column = wall code; 2nd column = XRF reading; 3rd column = classification of reading; 4th column = paint condition (I = intact; F= fair; P= poor)

XRF Lead – Based Paint Inspection Data Sheet – Exterior

Address: 21414 Georgia Avenue

Client: M-NCPPC

ALWE Project No. 14-3240

Date: 5/12/14

Page 3 of 4

	House →												Small Flag Shed			Large Shed		
Door	A	-0.1	N		D	-0.2	N						A	-0.2	N	A	-0.3	N
Door Jamb	A	7.2	P	I	D	>9.9	P	I										
Door Casing	A	>9.9	P	I		of Sunroom							A	0.2	P			
Door Transom																		
Door threshold	A	0.1	N															
A wall	A	0.4	D		A				A				A			A	-0.2	N
B wall	B	Was covered			B				B	>9.9	P	I	B			B		
C wall	C				C				C				C			C		
D wall	D				D				D				D			D		
Foundation													Corner beam			P1A	-0.1	N
Shutters																		
Porch ceiling						-0.2	N		B	>9.9	P	I						
Porch Siding					D	-0.1	N											
Porch Wainscoting					D	0.3	N											
Porch floor					D	0.1	N											
Porch header	A	0.0	N						B	>9.9	P	I						
Soffit																		
Stair system																C	-0.2	N
Handrail																		
Downspout		Outer sash			Inner sash				of Sunroom									
Window sash	A3	0.3	N		D2	0.2	N		D1	-0.2	N					A	-0.3	N
Window casing	A3	>9.9	P	I	D2	8.8	P	I	D1	-0.1	N		D	0.8	P/I	A	-0.2	N
Window sill																		
Window Impl (wood)	A3	0.8	P/I	I					B1	1.5	P	I						
Door Impl (wood)	A	-0.2	N							Door Impr (metal) Fascia →			A	0.2	N			
Window Impl (concrete)	D	2.4	P	I									A	-0.1	N			
Crawl Space Door	C	-0.3	N															
Window casing									B1	>9.9	P	I						
Porch east									B	-0.1	N							

REVIEWED

By Michael Kyne at 12:03 am, Aug 13, 2020

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Historic Preservation Commission
Sandra A. Heiler

The columns of data within each room are organized as follows: 1st column = wall code; 2nd column = XRF reading; 3rd column = classification of reading; 4th column = paint condition (I = intact; F= fair; P= poor)

XRF Lead – Based Paint Inspection Data Sheet – Interior Rooms
Address: 21414 Georgia Avenue
Client: M-NCPPC
ALWE Project No. 14-3240

Date: 5/12/14
Page 4 **of** 4

	11 - Large D Room				12 - A/B Room				13 - B Room				14 - B/C Room					
Door	A	-0.2			A	-0.2	N		B	-0.2	N		B	-0.2	N			
Door Jamb																		
Door Casing	A	-0.3																
Door Transom																		
Door threshold																		
Window sash																		
Window sill																		
Window casing	D	-0.2			B	-0.2	N		B	-0.1	N		B	-0.2	N			
Crown Molding																		
Chair rail																		
Baseboard																		
Floor																		
A wall	A	-0.2	N		A	-0.2	N		A	-0.3	N		A	-0.2	N		A	
B wall	B	-0.3	N		B	-0.2	N		B	-0.1	N		B	-0.1	N		B	
C wall	C	-0.1	N		C	-0.1	N		C	-0.2	N		C	-0.1	N		C	
D wall	D	-0.2	N		D	-0.1	N		D	-0.3	N		D	-0.2	N		D	
Ceiling		-0.2	N			-0.3	N			-0.1	N			-0.2	N			
Closet door																		
Closet door casing																		
Closet shelf																		
Shelf support																		
Cabinet																		
Radiator																		
Lintel																		

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Sandra A. Heiler

The columns of data within each room are organized as follows: 1st column = wall code; 2nd column = XRF reading; 3rd column = classification of reading; 4th column = paint condition (I = intact; F= fair; P= poor)

XRF Lead – Based Paint Inspection Data Sheet – Interior + Exterior

Address: 21414 Georgia Ave.
Client: M-NCPPC
ALWE Project No. 14-3240

Calibration

In	Out
1.1	0.8
1.0	0.8
1.0	0.9

Date: 6/8/14
Page 1 **of** 1

					Basement														
Door					C	0.2	N												
Door Jamb																			
Door Casing																			
Door Transom																			
Door threshold																			
A wall																			
B wall																			
C wall																			
D wall																			
Roofing (2nd M) tear off and																			
window set,																			
fascia	D	0.1	N																
soffit	D	1.8	P	I															
windowsill	D	0.3	N																
window casing	D	0.3	N																
Column						0.4	N												

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The columns of data within each room are organized as follows: 1st column = wall code; 2nd column = XRF reading; 3rd column = classification of reading; 4th column = paint condition (I = intact; F= fair; P= poor)

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By Michael Kyne at 12:04 am, Aug 13, 2020

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Historic Preservation Commission

Sandra J. Heiler

APPENDIX D
RADON LABORATORY RESULTS

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : September 09, 2009

Mr. Larry Brand
AIR, LAND AND WATER ENGR., INC,
10017 Hackberry Lane
Suite 10
Columbia, MD 21046-

Client: Unknown

~~Test Location~~ : 21414 Georgia Avenue

Individual Canister Results

Canister ID# :	2056378	Test Start :	08/27/2009 @ 15:45
Canister Type :	Charcoal Canister 4 inch	Test Stop :	09/03/2009 @ 11:00
Radon Level :	4.0 pCi/L	Location :	First Floor

Error for Measurement is: ± 0.3 pCi/L

Canister ID# :	2056387	Test Start :	08/27/2009 @ 15:45
Canister Type :	Charcoal Canister 4 inch	Test Stop :	09/03/2009 @ 11:00
Radon Level :	3.7 pCi/L	Location :	First Floor

Note : Radon concentration has been estimated due to excessive moisture in test location. It is recommended that a retest be done when the humidity in the location is lower.

Average of Side by Side Canisters 3.9 pCi/L

Error for Measurement is: ± 0.4 pCi/L

The results indicate that at least one testing device registered at or above the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest level of the home suitable for occupancy show radon levels that are equal to or greater than 4.0 pCi/L.

For information on how to reduce radon levels in your home, please review the EPA booklet: Consumer's Guide to Radon Reduction (EPA Document #402-K02-003, Revised February 2003) and contact your state health department. The EPA maintains a radon information hotline and offers many copies of its publications, at www.epa.gov/iaq/radon.

REVIEWED
By Michael Kyne at 12:04 am, Aug 13, 2020

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air.

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Montgomery County
Historic Preservation Commission

Sandra J. Heiler

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Nancy Hernandez
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : August 20, 2009

Mr. Larry Brand
AIR, LAND AND WATER ENGR., INC,
10017 Hackberry Lane
Suite 10
Columbia, MD 21046-

Client: Alwe
Test Location 21414 Georgia Avenue
Brookeville, MD 20833-

Individual Canister Results

Canister ID# :	2016988	Test Start :	08/14/2009 @ 14:00
Canister Type :	Charcoal Canister 4 inch	Test Stop :	08/17/2009 @ 10:15
Radon Level :	3.9 pCi/L	Location :	First Floor

Error for Measurement is: ± 0.3 pCi/L

Canister ID# :	2017012	Test Start :	08/14/2009 @ 14:00
Canister Type :	Charcoal Canister 4 inch	Test Stop :	08/17/2009 @ 10:15
Radon Level :	4.0 pCi/L	Location :	First Floor

Average of Side by Side Canisters 4.0 pCi/L

Error for Measurement is: ± 0.3 pCi/L

The results indicate that at least one testing device registered at or above the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest level of the home suitable for occupancy show radon levels that are equal to or greater than 4.0 pCi/L.

For information on how to reduce radon levels in your home, please review the EPA booklet: Consumer's Guide to Radon Reduction (EPA Document #402-K-03-002, Revised February 2003) and contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in

REVIEWED
By Michael Kyne at 12:04 am, Aug 13, 2020

RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or it's consultants based on RTCA-provided results.

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Montgomery County
Historic Preservation Commission

National Radon Safety Board (NRSB)

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Nancy Hernandez
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 00036
FL DOH RB1609

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

PC1406260012

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : 06/26/2014

Derek Falzoi
AIR, LAND AND WATER ENGR., INC,
10017 Hackberry Lane
Suite 10
Columbia, MD 21046-

Client: M NCPPC
Test Location: 21414 Georgia Ave
Brookeville, MN 20833-
Individual Canister Results

Canister ID# :	2281490	Test Start :	06/18/2014 @ 10:30
Canister Type :	Charcoal Canister 4 inch	Test Stop :	06/24/2014 @ 15:30
Location :	First Floor	Received:	06/26/2014 @ 09:44
Radon Level :	3.6 pCi/L	Analyzed:	06/26/2014 @ 14:27

Error for Measurement is: ± 0.2 pCi/L

Canister ID# :	2281493	Test Start :	06/18/2014 @ 10:30
Canister Type :	Charcoal Canister 4 inch	Test Stop :	06/24/2014 @ 15:30
Location :	First Floor	Received:	06/26/2014 @ 09:44
Radon Level :	3.6 pCi/L	Analyzed:	06/26/2014 @ 14:49

Average of Side by Side Canisters 3.6 pCi/L

Error for Measurement is: ± 0.2 pCi/L

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon (www.epa.gov/radon/pubs/citguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

REVIEWED
By Michael Kyne at 12:04 am, Aug 13, 2020

For New Jersey clients: Please see the attached guidan[illegible] for further information.

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free 1-800-458-1158.

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PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or it's consultants based on RTCA-provided results.

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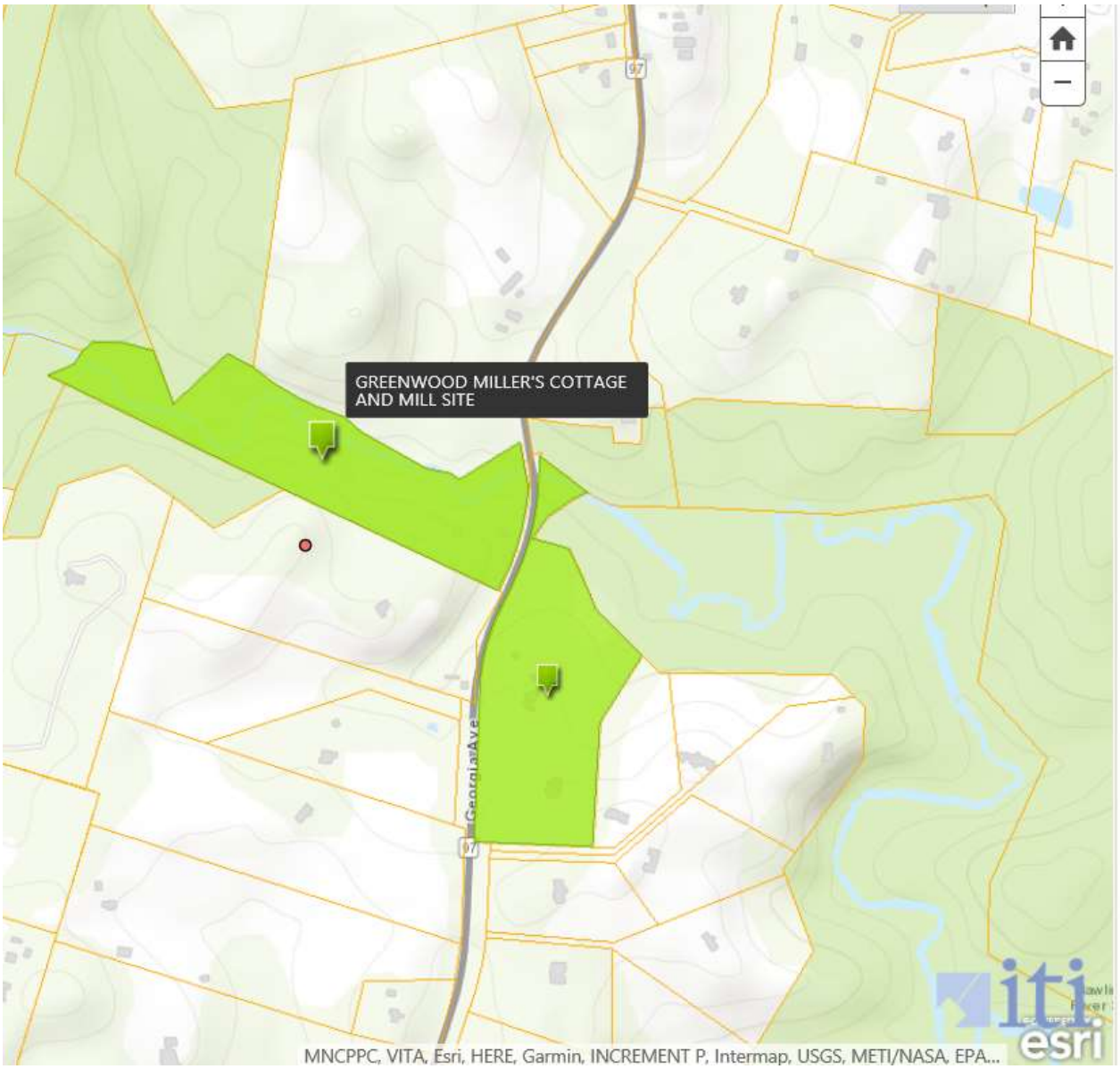
Site Plans



Greenwood Miller's Cottage, environmental setting
https://montgomeryplanning.org/planning/historic/research-and-designation/gis-tool/

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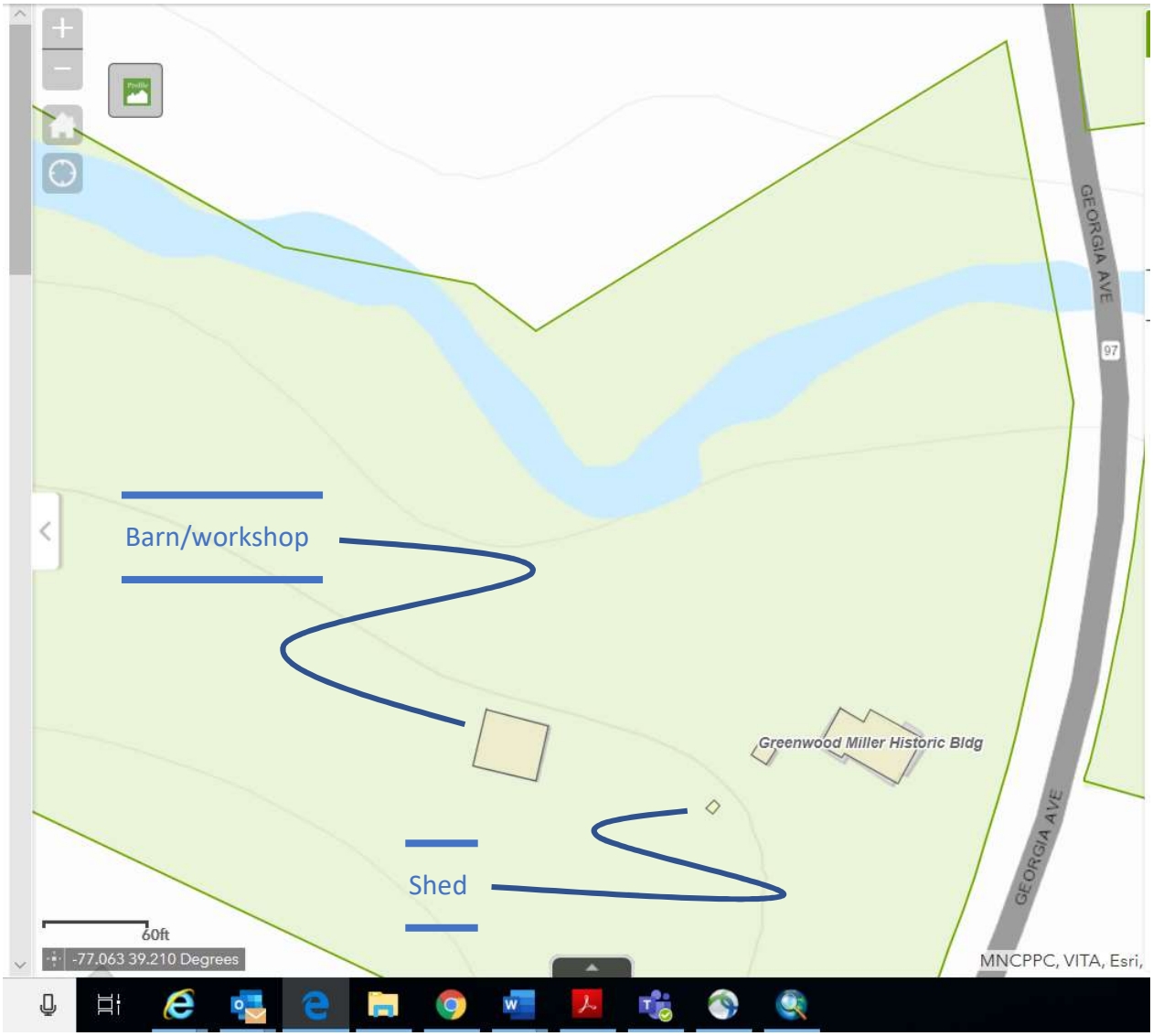

Greenwood Miller's Cottage, environmental setting detail
Historic dwelling fronts Georgia Avenue

Non-contributing shed sits southwest of the dwelling; barn sits to the west, well-removed and buffered from the main dwelling

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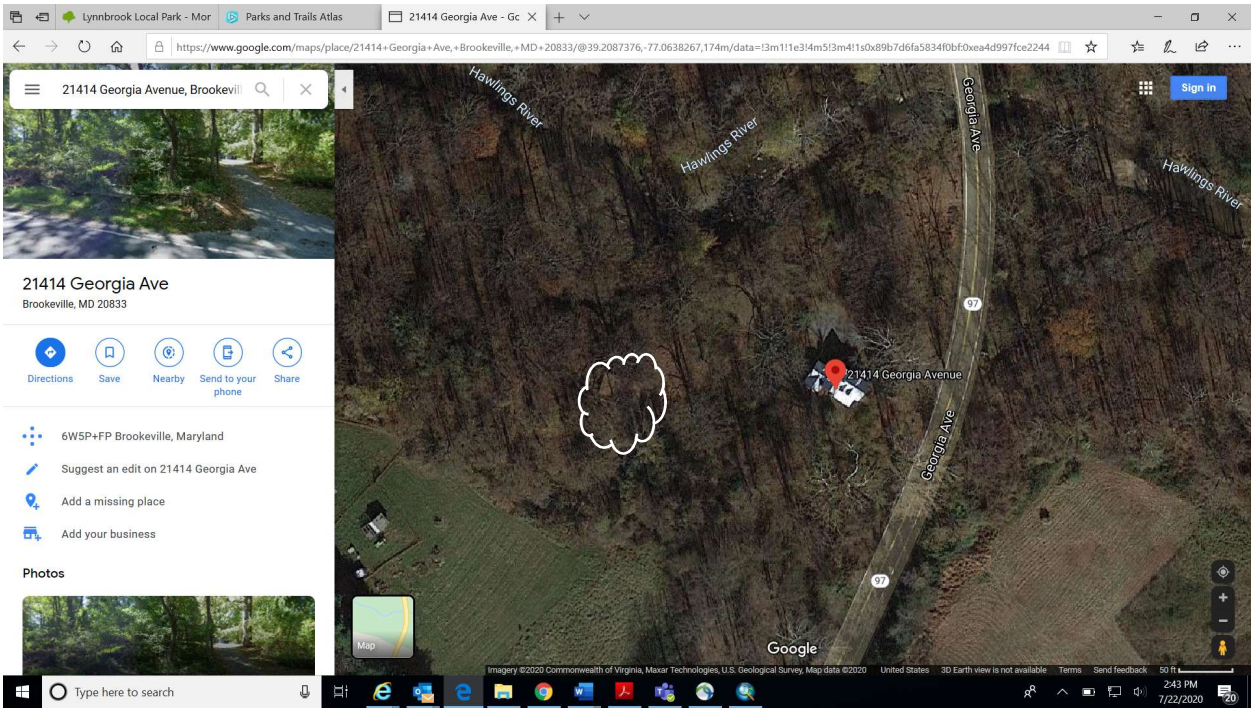

Greenwood Millers Cottage, aerial image and street view
(Workshop in identified in cloud)
https://www.google.com/maps/place/21414+Georgia+Ave,+Brookeville,+MD+20833/@39.2087376,-77.0638267,174m/data=!3m1!1e3!4m5!3m4!1s0x89b7d6fa5834f0bf:0xea4d997fce2244b2!8m2!3d39.2086888!4d-77.0631401

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Photos: Shed

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Photos: barn/workshop

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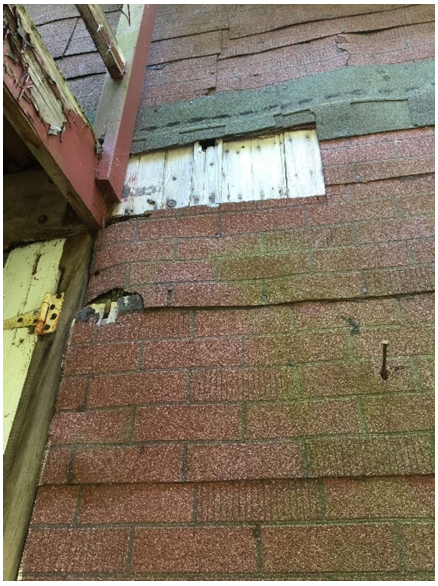

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