



**GEOTEK ENGINEERING  
& TESTING SERVICES, INC.**  
909 East 50<sup>th</sup> Street North  
Sioux Falls, South Dakota 57104  
605-335-5512 Fax 605-335-0773

September 25, 2024

SD Department of Agriculture & Natural Resources  
Inspection, Compliance, and Remediation Program  
Joe Foss Building  
523 East Capitol  
Pierre, South Dakota 57501

Attn: Mr. Nayyer Syed

Subj: Asbestos Survey  
Targeted Brownfield Assessment  
Marshall County Courthouse  
911 Vander Horck  
Latitude 45° 47' 26"N, Longitude 97° 45' 15"W  
Britton, SD  
DANR #4444.003  
GeoTek #24-1420

Dear Mr. Syed,

### **Introduction**

This report presents the asbestos survey recently conducted at the subject property. The purpose of this work was to identify asbestos containing materials (if present) in the building to facilitate renovation activities. This survey was conducted on August 27<sup>th</sup>, 2024.

The Environmental Protection Agencies (EPA) National Emission Standard for Hazardous Air Pollutants (NESHAP), (40 CFR Part 61, Subpart M) requires building owners to inspect for asbestos containing materials (ACM) in areas of a building where renovation projects, demolitions, and training fires will take place. A material is considered asbestos containing if it contains more than 1% asbestos. For samples with asbestos **detected** by PLM (Polarized Light Microscopy) analysis up to 10%, the material can either be presumed to contain >1% asbestos and treated accordingly, or verified to be less than 1% by point counting analysis. EPA also requires the removal of certain regulated friable ACM and non-friable ACM that may become friable during renovations. Prior to demolition/renovation of a building, certain regulated friable ACM must be removed from the affected area. In addition, non-friable materials which are in a damaged or significantly damaged condition or are likely to become friable during the process of demolition/renovation also must be removed.

### **Background Information**

The subject property consists of an approximate 14,000 sq ft county courthouse structure in the southern part of Britton, SD. The building is three story masonry structure with a partial basement. Interior spaces are divided into county agency offices, law enforcement offices, court room, rest rooms, legal library and mechanical spaces. The roof is pitched with asphalt shingles and clay tiles. The approximate legal description of the site is All of Block 31 Original to the City of Britton, Marshall County, SD (owner is Marshall County). The site structure and associated property is owned by Marshall County.

Marshall County has applied to the Targeted Brownfield Financial Assistance Program of the South Dakota Department of Agriculture and Natural Resources for assessment & asbestos assessment/abatement of the courthouse structure.

Attached Figure 1 is a topographic map of the site location. Figure 2 is an aerial photo of the site area, and Figures 3A-3D show sample locations.

### **Asbestos Survey**

On August 27<sup>th</sup>, 2024 the subject property was surveyed for obvious suspected asbestos containing building materials. The asbestos survey was conducted in accordance with 29 CFR 1926.1101, 40 CFR Part 61, and applicable federal, state, or local requirements. The survey was conducted by accredited South Dakota asbestos building inspector Mr. Jason Cook. The asbestos survey included identifying friable (dust producing under hand pressure) and non-friable asbestos-containing building materials (ACBM) and assessment of types of material on an area-by-area basis. Suspect materials (if present) were identified and categorized into three groups: 1) thermal system insulation (T) including pipe, HVAC insulation and fitting insulation; 2) sprayed-on or trowelled-on surfacing material (S) including acoustical plaster, soundproofing, fireproofing, and decorative materials; and 3) miscellaneous materials (M) including ceiling tiles and floor tiles.

The materials were categorized as friable or non-friable. Both suspect friable and non-friable materials were sampled. Destructive sample methods (making holes to check in enclosed areas for concealed materials) were not utilized. Therefore, there is potential that additional suspect materials could be present within concealed locations such as within walls or floors, above ceilings, etc. Examples of possible suspect materials that could be encountered include, but are not limited to: insulation of fire doors, interior insulation of flue pipes or chimneys, transite piping, interior insulation of concrete block walls, interior duct insulation, etc.



Approximately 19 bulk samples of suspect materials were collected on August 27, 2024. Samples were analyzed by EMC Laboratories, Inc., a National Voluntary Laboratory Accreditation Program (NVLAP) and American Industrial Hygiene Association (AIHA) accredited laboratory.

The materials sampled, as well as sample locations, are listed on the attached Table 1. The laboratory analysis report is attached in Appendix A. Attached Figures 3A-3D show sample locations. Photos of the building and asbestos materials are attached in Appendix B.

**Materials with greater than 1% asbestos are:**

Sampled (August 27, 2024)					
Material	Location	Sample Numbers	Friable	Estimated Quantity	Comments
<b>Category I Non-Friable ACM</b>					
12x12" Floor tile (cream)	Sheriff's Office	3	No	≈ 490 ft <sup>2</sup>	2% Chrysotile (tile only)
9x9" Floor tile (gray)	Register's Vault	5	No	≈ 266 ft <sup>2</sup>	3% Chrysotile (tile only)
9x9" Floor tile (gray)	Commissioner's Vault	6	No	≈ 266 ft <sup>2</sup>	3% Chrysotile (tile only)
9x9" Floor tile (olive green)	Court Storage Rm & Judge's chamber	8	No	≈ 256 ft <sup>2</sup>	2% Chrysotile (tile only)

Note: Quantities listed are an estimate, not actual measurements or guaranteed amounts. Quantities are based on observable areas. Concealed, inaccessible and covered areas are not included. If applicable, future asbestos abatement should include contractor quantification with opening of concealed areas to observe hidden materials.

**Conclusions**

Nineteen (19) samples of suspect building materials were collected and submitted for asbestos content analysis. Asbestos was detected in four (4) of the sampled materials at concentrations greater than 1% asbestos. The asbestos containing floor tiles are classified as Category I Non-friable asbestos containing materials.

**Recommendations**

If any of the listed asbestos containing materials will likely be disturbed by future renovation activities, it should be abated by a licensed SD asbestos abatement contractor prior to renovation. The asbestos containing floor tiles may remain in place if the client so chooses as long as care is taken during renovation activities not to disturb it.

Three samples of loose vermiculite insulation were also sampled from the attic space. All three samples were analyzed using point count methodology and found to contain <1% asbestos (0.7%, 0.4% & 0.4%). This material is therefore not considered to be an "asbestos containing

material” for the purposes of abatement or disposal. For the minor (0.7 to 0.4%) asbestos content in the vermiculite insulation, precautions such as respiratory protection, wetting material, etc., are recommended and appropriate when people are disturbing or handling an (non-NESHAPS regulated) asbestos containing material, and employees would still be subject to OSHA asbestos rules. While abatement (removal) of the vermiculite would help reduce the risk of future exposure, there is no rule requirement mandating removal or special disposal. However, if removal of the vermiculite is desired by parties involved, we would recommend having it done by a licensed asbestos abatement firm.

The SD DANR must be notified at least 10 working days prior to demolition (including those where no asbestos is present), and prior to removal of certain quantities of regulated asbestos materials. Rules, regulations, guidelines, and the demolition notification form can be viewed and downloaded from the SD DANR web page at

<https://danr.sd.gov/environment/wastemanagement/asbestos/default.aspx>.

We recommend that this asbestos survey data be provided to future contractors or employees working in the buildings (Note that if known or suspected asbestos building materials remain in a structure, OSHA rules apply to contractors and employees working with asbestos containing materials. Notification of the existence of suspected and confirmed asbestos building materials is required. For employees such as custodial and maintenance workers, an asbestos awareness course is required in buildings with confirmed or presumed asbestos containing materials). Such persons should take appropriate precautions when disturbing or working with the materials.

Should additional suspect materials (not identified by this survey) be encountered, we recommend that either the material be segregated, abated, or demolition in that area cease until the asbestos content of the new material is determined and appropriate measures taken.

### **Standard of Care**

Information contained in this report was obtained by means of on-site observations and analytical data. Recommendations contained in this report represent our professional opinions. These opinions are based on information currently available and derived in accordance with accepted practices and industry guidelines. However, this is not to suggest that the information obtained is a complete compilation of all existing information, which may be pertinent to this site.

The services performed by GeoTek Engineering & Testing Services, Inc. (GeoTek) on this project have been conducted with that level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality under similar budget and time constraints. No other warranty is expressed or implied.



**Remarks**

We appreciate the opportunity to be of service to you on this project. Please let us know if you have any questions or if we may be of further assistance.

GEOTEK ENGINEERING & TESTING SERVICES, INC.



Jason P. Cook  
Sr. Project Manager  
SD Asbestos Inspector #9650

This report was reviewed by:



Gerald K. Zutz  
Senior Project Manager  
SD Asbestos Inspector #9741

**Table 1**  
**Bulk Asbestos Samples**  
**(Sampled August 27, 2024)**

<b>Sample Number</b>	<b>Material</b>	<b>Location</b>
1A	Plaster	1 <sup>st</sup> Floor Men's Room
1B	Plaster	1 <sup>st</sup> Floor South Entry
1C	Plaster	Assessor's Office
1D	Plaster	Sheriff's Office
1E	Plaster	Commission Rm Vault
1F	Plaster	Attic Level
2	12x12" Floor Tile (gray/brown)	Sheriff's Office (north)
3	<b>12x12" Floor Tile (cream)</b>	<b>Sheriff's Office (west)</b>
4	2x2' Ceiling Tile	911 Office
5	<b>9x9" Floor Tile (gray/cream)</b>	<b>Registrar's Vault</b>
6	<b>9x9" Floor Tile (gray/cream)</b>	<b>Commission Rm Vault</b>
7	2x4" Ceiling Tile	3 <sup>rd</sup> Floor
8	<b>9x9" Floor Tile (olive green)</b>	<b>Court Storage Room &amp; Judge's Chambers</b>
9	Sheet Flooring & mastic	Jury Room Bath
10	Vinyl Floor tile	Clerk of Courts Office
11A	**Vermiculite Insulation	Attic Level
11B	**Vermiculite Insulation	Attic Level
11C	**Vermiculite Insulation	Attic Level

\* = Samples/Materials in **bold** print and with an asterisk (\*) contain asbestos >1%.

\*\*= The vermiculite insulation does contain asbestos, but at concentrations <1%.



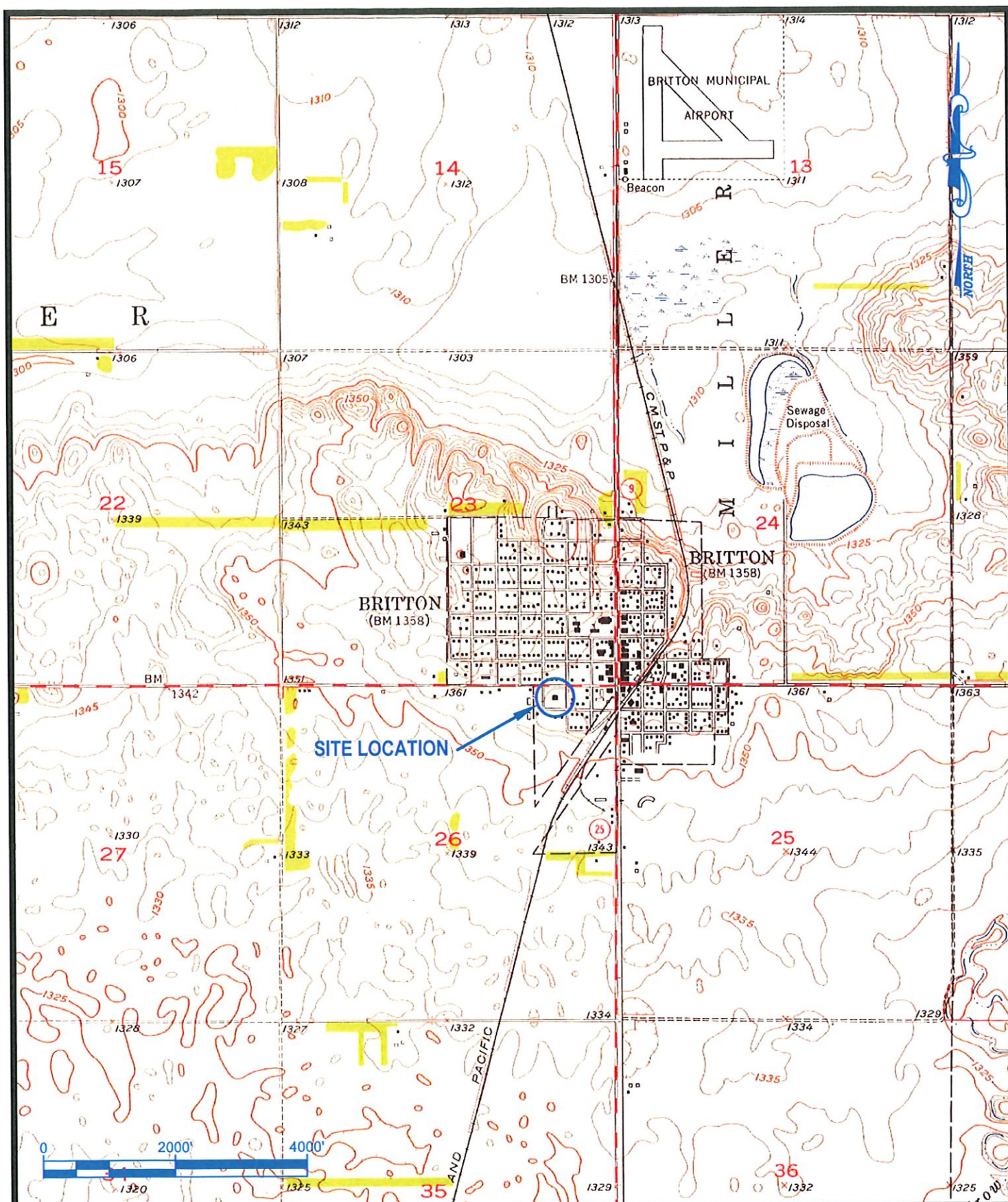


FIGURE 1  
TOPOGRAPHIC MAP  
MARSHALL COUNTY COURTHOUSE  
911 VANDERHORCK STREET  
BRITTON, SD

ACAD/GEOTEK/JASON/24-1420

PROJECT#: 24-1420

DRAWN BY: MW



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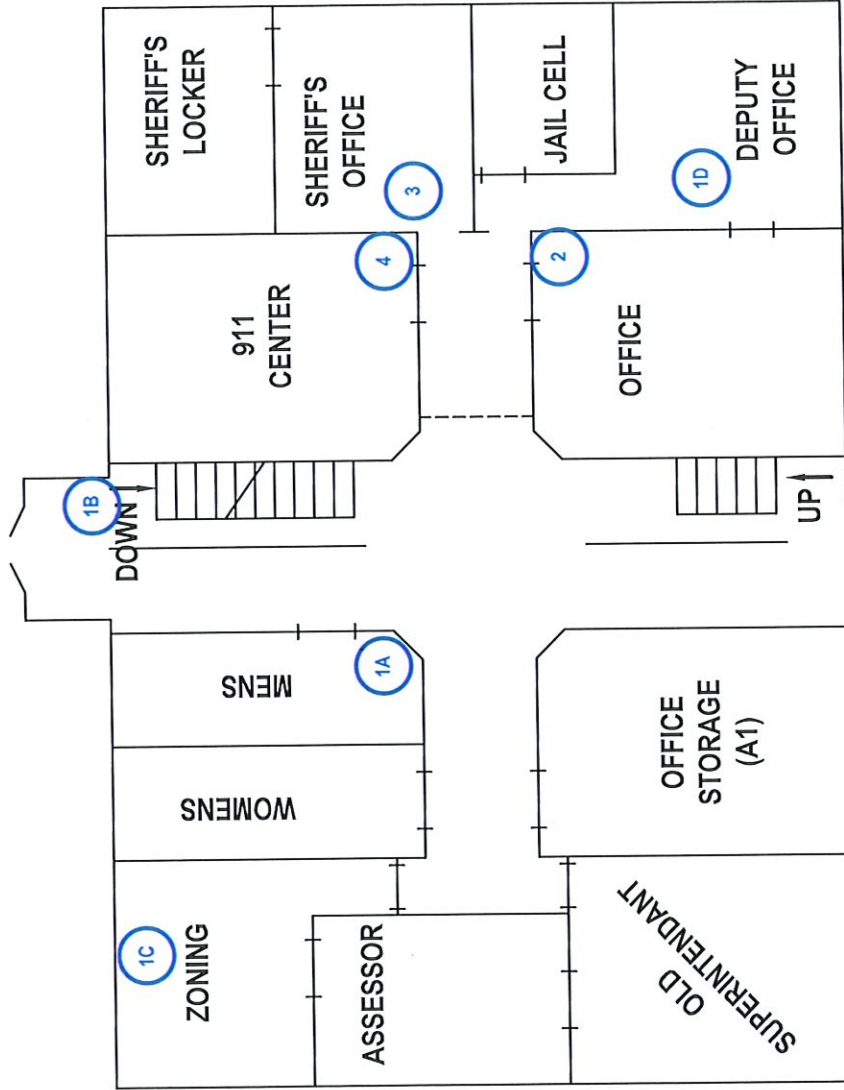
<b>FIGURE 2</b> AERIAL PHOTO MARSHALL COUNTY COURTHOUSE 911 VANDERHORCK STREET BRITTON, SD	 <b>GEOTEK ENGINEERING &amp; TESTING SERVICES, INC.</b> 909 East 50th Street North Sioux Falls, South Dakota 57104 605-335-5512 Fax 605-335-0773

ACAD/GEOTEK/JASON/24-1420





ENCLOSED  
BACK ENTRY



FRONT ENTRY

FIGURE 3A  
FIRST FLOOR SAMPLE LOCATIONS  
MARSHALL COUNTY COURTHOUSE  
911 VANDERHORCK STREET  
BRITTON, SD

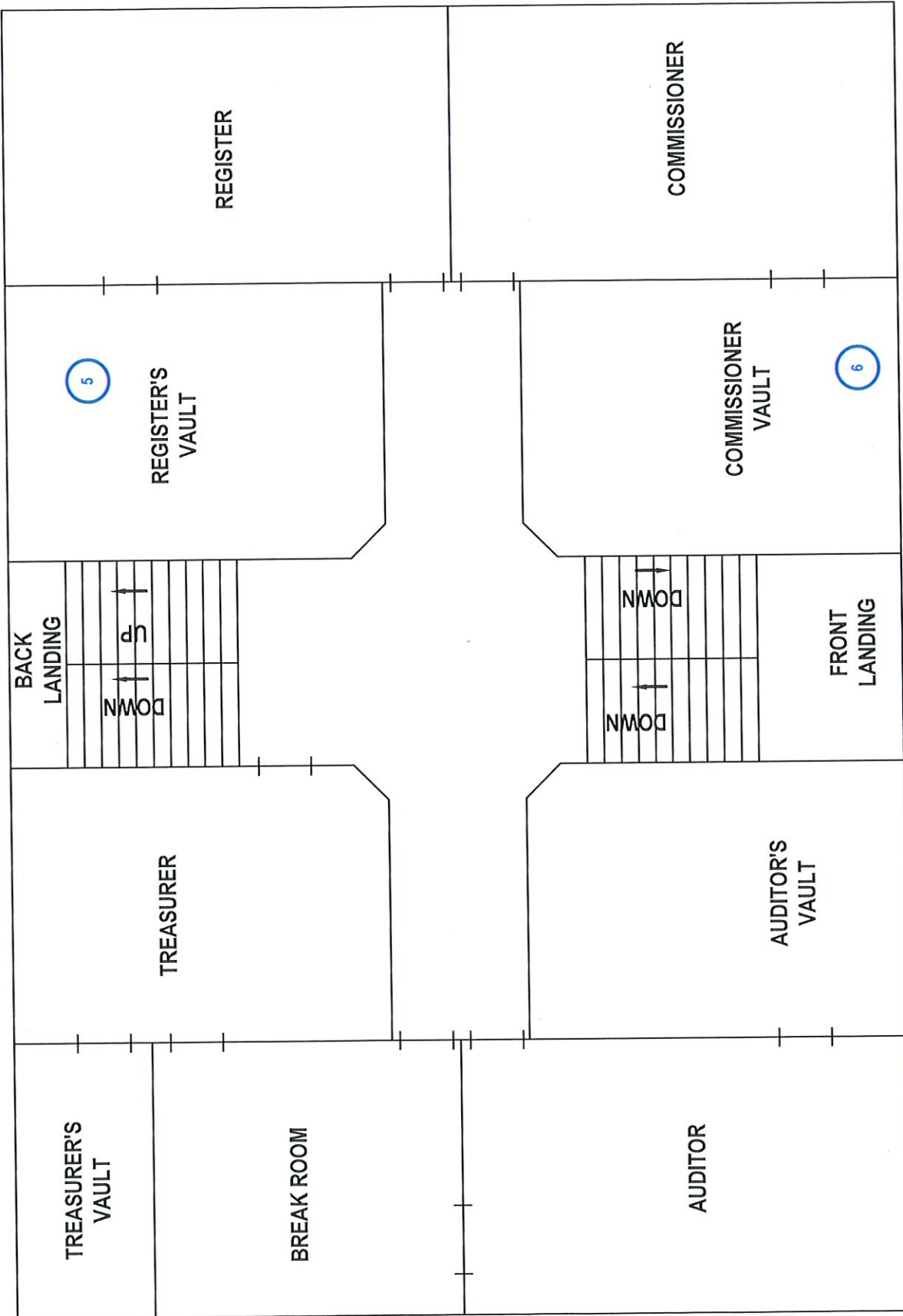
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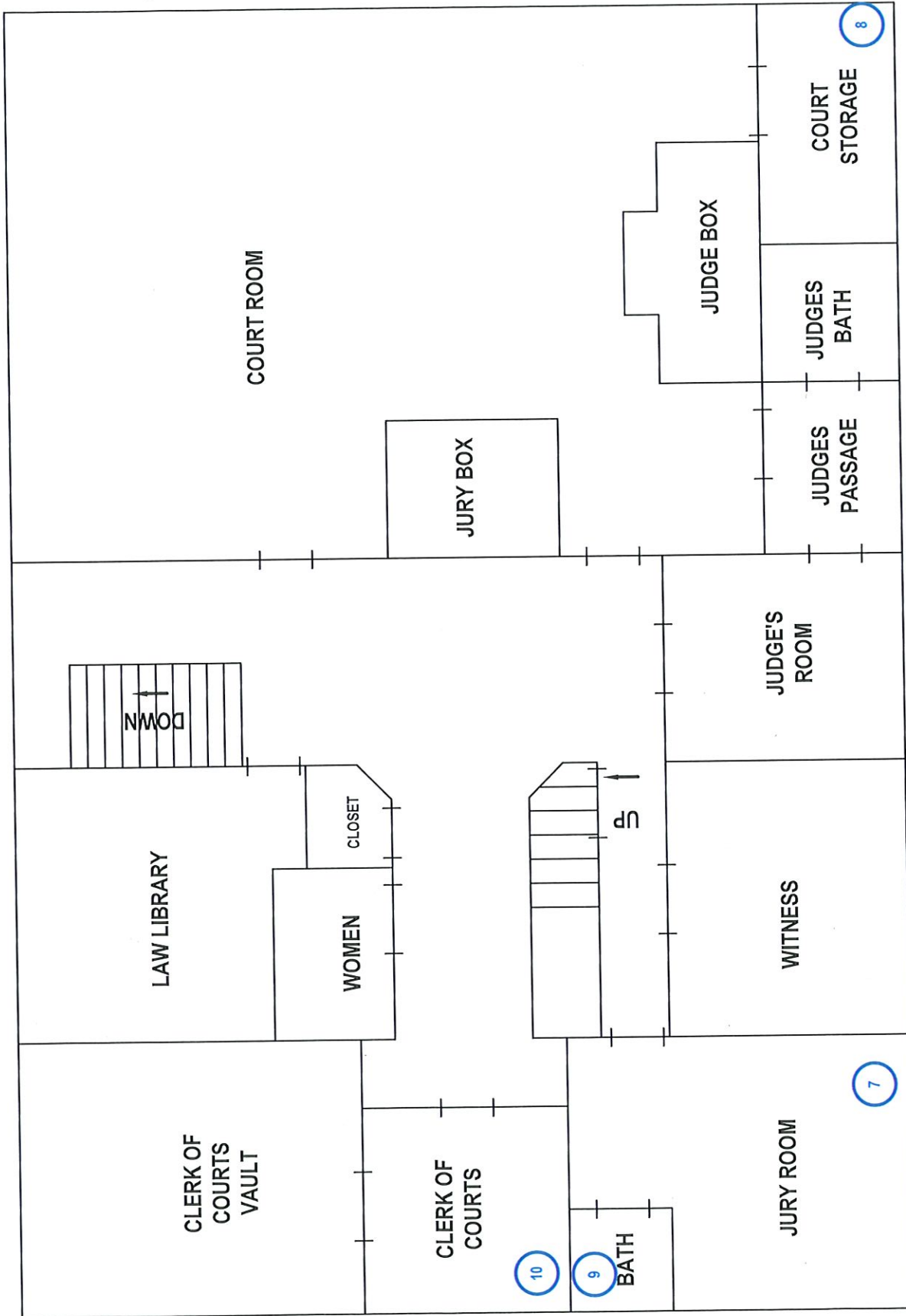
PROJECT#: 24-1420

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FIGURE 3B  
SECOND FLOOR SAMPLE LOCATIONS  
MARSHALL COUNTY COURTHOUSE  
911 VANDERHORCK STREET  
BRITTON, SD

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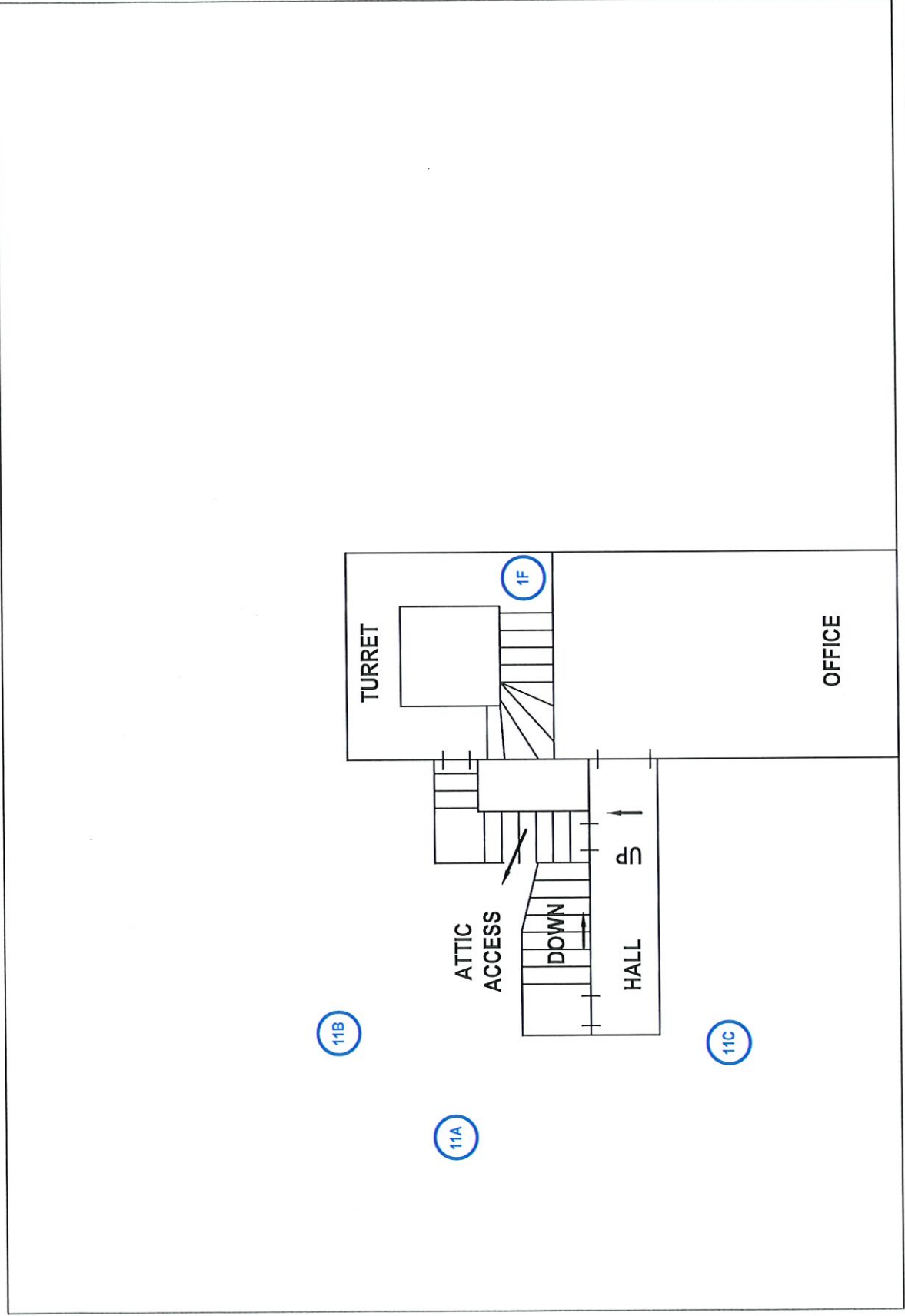


PROJECT#: 24-1420

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**FIGURE 3C**  
**THIRD FLOOR SAMPLE LOCATIONS**  
**MARSHALL COUNTY COURTHOUSE**  
**911 VANDERHORCK STREET**  
**BRITTON, SD**

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**FIGURE 3D**  
ATTIC SPACE SAMPLE LOCATIONS  
MARSHALL COUNTY COURTHOUSE  
911 VANDERHORCK STREET  
BRITTON, SD

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## **APPENDIX A**

# EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

**0318515**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP# 101926-0

Client: GEOTEK ENGINEERING  
Address: 909 E. 50TH STREET NORTH  
SIOUX FALLS,, SD 57104  
Collected: 08/27/2024  
Project Name: MARSHALL CO. COURTHOUSE  
Address:

Job# / P.O. #: 24-1420  
Date Received: 08/29/2024  
Date Analyzed: 09/06/2024  
Date Reported: 09/06/2024  
Submitted By: JASON COOK  
Collected By:  
EPA Method: App.E to Sub.E of 40 CFR Part 763 and EPA/600/R-93

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0318515-001 1A	1ST FL, MENS RR	LAYER 1 Plaster-Scratch Coat, Tan	No	None Detected	Quartz Gypsum Non-Fibrous Binder/Filler 100%
		LAYER 2 Plaster-Finish Coat/ Paint, White/ Beige	No	None Detected	Carbonates Gypsum Quartz Non-Fibrous Binder/Filler 100%
0318515-002 1B	1ST FL, S. ENTRY	LAYER 1 Plaster-Scratch Coat, Off White	No	None Detected	Gypsum Quartz Non-Fibrous Binder/Filler 100%
		LAYER 2 Plaster-Finish Coat/ Paint, White	No	None Detected	Carbonates Gypsum Quartz Non-Fibrous Binder/Filler 100%
0318515-003 1C	ASSESSORS OFC	LAYER 1 Plaster-Scratch Coat, Lt. Tan	No	None Detected	Gypsum Quartz Non-Fibrous Binder/Filler 100%
		LAYER 2 Paint, Beige	No	None Detected	Quartz Gypsum Non-Fibrous Binder/Filler 100%

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Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0318515-004 1D	SHERIFF'S OFC	LAYER 1 Plaster-Scratch Coat, Off White	No	None Detected	Gypsum Quartz Non-Fibrous Binder/Filler 100%
		LAYER 2 Plaster-Finish Coat/ Paint, White	No	None Detected	Gypsum Quartz Non-Fibrous Binder/Filler 100%
0318515-005 1E	COMMISSION VAULT	Plaster, Off White	No	None Detected	Gypsum Quartz Non-Fibrous Binder/Filler 100%
0318515-006 1F	ATTIC LEVEL	Attic Plaster, Gray	No	None Detected	Quartz Gypsum Non-Fibrous Binder/Filler 100%
0318515-007 2	SHERIFF OFC.	LAYER 1 12" x 12" FT, Dark Beige	No	None Detected	Carbonates Quartz Non-Fibrous Binder/Filler 100%
		LAYER 2 Mastic, Clear Note: Very small amount of mastic	No	None Detected	Carbonates Quartz Non-Fibrous Binder/Filler 100%



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Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0318515-008 3	SHERIFF OFC.	LAYER 1 12" x 12" FT, Cream	Yes	Chrysotile 2%	Carbonates Quartz Non-Fibrous Binder/Filler 98%
		LAYER 2 Mastic, Black	No	None Detected	Cellulose Fiber <1% Carbonates Quartz Non-Fibrous Binder/Filler 99%
		LAYER 3 Residual Mastic, Yellow	No	None Detected	Carbonates Quartz Non-Fibrous Binder/Filler 100%
0318515-009 4	911 OFC.	2' x 2' Ceiling Tile, White/ Lt. Gray	No	None Detected	Mineral Wool 85% Carbonates Perlite Non-Fibrous Binder/Filler 15%
0318515-010 5	REG. VAULT	LAYER 1 9" x 9" FT, Gray/Cream Patches	Yes	Chrysotile 3%	Carbonates Quartz Non-Fibrous Binder/Filler 97%
		LAYER 2 Mastic, Black	No	None Detected	Carbonates Quartz Non-Fibrous Binder/Filler 100%
0318515-011 6	COMM VAULT	LAYER 1 9" x 9" FT, Gray/Cream Patches	Yes	Chrysotile 3%	Carbonates Quartz Non-Fibrous Binder/Filler 97%
		LAYER 2 Mastic, Black	No	None Detected	Carbonates Quartz Non-Fibrous Binder/Filler 100%

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Submitted By: JASON COOK  
Collected By:  
EPA Method: App.E to Sub.E of 40 CFR Part 763 and EPA/600/R-93

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0318515-012 7	3RD FLOOR	2' x 4' Ceiling Tile, White/ Off White	No	None Detected	Cellulose Fiber 75% Mineral Wool 5% Carbonates Perlite Non-Fibrous Binder/Filler 20%
0318515-013 8	COURT STORAGE RM	LAYER 1 9" x 9" FT, Olive Green	Yes	Chrysotile 2%	Carbonates Quartz Non-Fibrous Binder/Filler 98%
		LAYER 2 Mastic, Black	No	None Detected	Cellulose Fiber 1% Synthetic Fiber <1% Diatoms Quartz Non-Fibrous Binder/Filler 98%
0318515-014 9	JURY RM BATH	Sheet Flooring, Ivory	No	None Detected	Cellulose Fiber 17% Fibrous Glass 3% Carbonates Quartz Non-Fibrous Binder/Filler 80%
0318515-015 10	COURT CLERK OFC.	LAYER 1 Vinyl Flooring, Yellow	No	None Detected	Carbonates Quartz Non-Fibrous Binder/Filler 100%
		LAYER 2 Backing, Black	No	None Detected	Cellulose Fiber 35% Synthetic Fiber 10% Carbonates Gypsum Non-Fibrous Binder/Filler 55%
		LAYER 3 Adhesive, Yellow	No	None Detected	Carbonates Quartz Non-Fibrous Binder/Filler 100%



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	SIOUX FALLS,, SD 57104	Date Analyzed:	09/06/2024
Collected:	08/27/2024	Date Reported:	09/06/2024
Project Name:	MARSHALL CO. COURTHOUSE	Submitted By:	JASON COOK
Address:		Collected By:	
		EPA Method:	App.E to Sub.E of 40 CFR Part 763 and EPA/600/R-93

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0318515-016 11A	ATTIC	Vermiculite, Beige/ Tan/ Gold/ Off White	Yes	Tremolite 0.7%	Mica Gypsum Carbonates Quartz 99.3%
400 Pt. POINT COUNT					
0318515-017 11B	ATTIC	Vermiculite, Beige/ Tan/ Gold/ Off White	Yes	Tremolite 0.4%	Mica Gypsum Carbonates Silicone 99.6%
400 Pt. POINT COUNT					
0318515-018 11C	ATTIC	Vermiculite, Beige/ Tan/ Gold/ Off White	Yes	Tremolite 0.4%	Mica Gypsum Carbonates Silicone 99.6%
400 Pt. POINT COUNT					
0318515-019 12	ROOFING	LAYER 1 Roof Shingle, Brown/ Black Note: No Tarpaper Present	No	None Detected	Fibrous Glass Carbonates Quartz Non-Fibrous Binder/Filler 85%
		LAYER 2 Roof Shingle, Black	No	None Detected	Fibrous Glass Carbonates Quartz Non-Fibrous Binder/Filler 85%

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

Lab ID	Sample	Layer Name /	Asbestos	Asbestos Type	Non-Asbestos
Client ID	Location	Sample Description	Detected	(%)	Constituents



Analyst - Matt Kettler



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. This report is for the exclusive use of the addressed client and will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of sixty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method(s) for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.



**CHAIN OF CUSTODY**  
 EMC Laboratories  
 9830 S. 51<sup>ST</sup> St., Ste B-109  
 Phoenix, AZ 85044  
 (800) 362-3373 Fax (480) 893-1726

LAB#: 318515  
 TAT: 5 day  
 Rec'd: AUG 29 AM  
 EMC USE ONLY

COMPANY NAME: GeoTek Engineering & Testing Services, Inc.  
 909 East 50th Street North  
 Sioux Falls, SD 57104  
 CONTACT: Jason P. Cook  
 Phone/Fax: (605)335-5512 Fax (605)335-0773  
 Email: jcook@geotekeng.com

BILL TO: (If Different Location)  
 (SAME)

Now Accepting: VISA - MASTERCARD

Price Quoted: \$ / Sample \$ / Layers

**COMPLETE ITEMS 1-4:** (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

\*\*\*\*Prior confirmation of turnaround time is required

\*\*\*\*Additional charges for rush analysis (please call marketing department for pricing details)

\*\*\*\*Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** Marshall Co. Courthouse

**P.O. Number:** **Project Number:** 24-1420

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
1	1A	8/27/2024	1st fl, mens RR - plaster	Y N			
2	1B		1st fl, S. Entry - plaster	Y N			
3	1C		Assessors Ofc - plaster	Y N			
4	1D		Sheriff's Ofc - plaster	Y N			
5	1E		Commission Vault - plaster	Y N			
6	1F		Attic Level - plaster	Y N			
7	2		Sheriff Ofc. - 12x12" FT + mastic	Y N			
8	3		Sheriff Ofc. - 12x12" FT + mastic	Y N			
9	4		911 Ofc. - 2x2" CT	Y N			
10	5		Reg. Vault - 9x9" FT + mastic	Y N			
11	6		Comm Vault - 9x9" FT + mastic	Y N			
12	7		3rd Floor - 2x4' CT	Y N			
13	8		Court Storage Rm - 9x9" FT + mastic	Y N			
14	9		Jury Rm Bath - sheet flooring	Y N			
15	10		Court Clerk Ofc. - Floor tile	Y N			

**SPECIAL INSTRUCTIONS:** Email Results

Sample Collector: (Print) Jason Cook

(Signature)

Relinquished by: Jason P. Cook Date/Time: 8/28/2024 17:00 Received by: Donna Celay Date/Time: 08/29/24

Relinquished by: Donna Celay Date/Time: AUG 29 2024 Received by: [Signature] Date/Time: AUG 29 2024

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

\*\* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

**CHAIN OF CUSTODY**

EMC Laboratories  
9830 S. 51<sup>ST</sup> St., Ste B-109  
Phoenix, AZ 85044  
(800) 362-3373 Fax (480) 893-1726

LAB#: 318515
TAT:
Rec'd: EMC USE ONLY

COMPANY NAME: GeoTek Engineering & Testing Services, Inc  
909 East 50th Street North  
Sioux Falls, SD 57104  
CONTACT: Jason P. Cook  
Phone/Fax: (605)335-5512 Fax (605)335-0773  
Email: jcook@geotekeng.com

BILL TO: (If Different Location)  
(SAME)

Now Accepting: VISA – MASTERCARD

Price Quoted: \$ / Sample \$ / Layers

**COMPLETE ITEMS 1-4:** (Failure to complete any items may cause a delay in processing or analyzing your samples)1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

\*\*\*\*Prior confirmation of turnaround time is required

\*\*\*\*Additional charges for rush analysis (please call marketing department for pricing details)

\*\*\*\*Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** Marshall Co. Courthouse**P.O. Number:** **Project Number:** 24-1420

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
16	11A	8/27/2024	Attic - Vermiculite	N			
17	11B		Attic - Vermiculite	N			
18	11C		Attic - Vermiculite	N			
19	12		Roofing - shingle/tarpaper	N			
				N			
				N			
				N			
				N			
				N			
				N			
				N			
				N			
				N			
				N			
				N			
				N			

**SPECIAL INSTRUCTIONS:** Email Results, Please POINT COUNT samples 11A-C

Sample Collector: (Print) Jason Cook

(Signature)

Relinquished by: [Signature] Date/Time: 8/28/2024 17:00

Received by: [Signature] Date/Time: AUG 29 2024

Relinquished by: [Signature] Date/Time: AUG 29 2024

Received by: [Signature] Date/Time: AUG 29 2024

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

\*\* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.



# EMC LABS, INC. BULK MATERIAL ANALYSIS - POINT COUNT METHOD - WORKSHEET

EMC LAB# 318575

ANALYST: 1/18

EMC SAMPLE# 318575-16

CLIENT I.D.: 11A

FIELD OF VIEW	A	B	C	D	FIELD OF VIEW	A	B	C	D	FIELD OF VIEW	A	B	C	D
1		10	15		26		9	16		51				
2		10	18		27		11	14		52				
3		9	16		28		10	19		53				
4		15	10		29		14	11		54				
5		8	12		30		7	18		55				
6	1	13	12		31					56				
7		11	14		32					57				
8		16	19		33					58				
9		12	13		34					59				
10		5	20		35					60				
11		11	14		36					61				
12		4	21		37					62				
13		6	19		38					63				
14		15	10		39					64				
15		7	18		40					65				
16		12	13		41					66				
17		9	16		42					67				
18		13	12		43					68				
19		11	14		44					69				
20		6	19		45					70				
21		15	10		46					71				
22		10	15		47					72				
23	2	7	17		48					73				
24		16	9		49					74				
25		13	12		50					75				

A - TOTAL ASBESTOS POINTS	3
B - TOTAL BLANK POINTS	294
C - TOTAL MATRIX POINTS	481
D - TOTAL NON-ASBESTOS FIBER POINTS	0
E - TOTAL NON-BLANK POINTS (A)+(C)+(D)	484
TOTAL PERCENTAGE OF ASBESTOS ((A)/(E)) X 100	0.7

14.7

# EMC LABS, INC. BULK MATERIAL ANALYSIS - POINT COUNT METHOD - WORKSHEET

EMC LAB# 318515

ANALYST: KG/KS

EMC SAMPLE# 318515-17

CLIENT I.D.: 11 B

FIELD OF VIEW	A	B	C	D	FIELD OF VIEW	A	B	C	D	FIELD OF VIEW	A	B	C	D
1		5	20		26		19	10		51				
2		12	13		27		4	21		52				
3		6	19		28		15	10		53				
4		13	2		29		2	18		54				
5		9	16		30		12	13		55				
6		14	11		31					56				
7		8	17		32					57				
8		11	14		33					58				
9		13	19		34					59				
10		13	8		35					60				
11		12	13		36					61				
12		14	21		37					62				
13		9	16		38					63				
14		15	10		39					64				
15		8	13		40					65				
16		13	12		41					66				
17		11	14		42					67				
18	2	6	18		43					68				
19		12	13		44					69				
20		5	18		45					70				
21		5	20		46					71				
22		14	1		47					72				
23		8	17		48					73				
24		0	19		49					74				
25		8	17		50					75				

A - TOTAL ASBESTOS POINTS	2
B - TOTAL BLANK POINTS	246
C - TOTAL MATRIX POINTS	457
D - TOTAL NON-ASBESTOS FIBER POINTS	1
E - TOTAL NON-BLANK POINTS (A)+(C)+(D)	455
TOTAL PERCENTAGE OF ASBESTOS ((A)/(E)) X 100	0.4

99.6

# EMC LABS, INC. BULK MATERIAL ANALYSIS - POINT COUNT METHOD - WORKSHEET

EMC LAB# 318515

ANALYST: 10/18

EMC SAMPLE# 318515-18

CLIENT I.D.: 11C

FIELD OF VIEW	A	B	C	D	FIELD OF VIEW	A	B	C	D	FIELD OF VIEW	A	B	C	D
1		14	11		26		7	18		51				
2		10	11		27		10	11		52				
3		5	20		28	1	11	14		53				
4		9	16		29		10	19		54				
5		14	11		30		9	16		55				
6		6	19		31					56				
7		11	10		32					57				
8		12	13		33					58				
9	1	7	11		34					59				
10		10	15		35					60				
11		5	20		36					61				
12		14	11		37					62				
13		6	19		38					63				
14		11	14		39					64				
15		5	20		40					65				
16		13	12		41					66				
17		3	18		42					67				
18		12	13		43					68				
19		6	19		44					69				
20		13	12		45					70				
21		11	14		46					71				
22		8	17		47					72				
23		14	11		48					73				
24		5	20		49					74				
25		12	13		50					75				

A - TOTAL ASBESTOS POINTS	2
B - TOTAL BLANK POINTS	287
C - TOTAL MATRIX POINTS	462
D - TOTAL NON-ASBESTOS FIBER POINTS	0
E - TOTAL NON-BLANK POINTS (A)+(C)+(D)	464
TOTAL PERCENTAGE OF ASBESTOS $\{(A)/(E)\} \times 100$	0.4

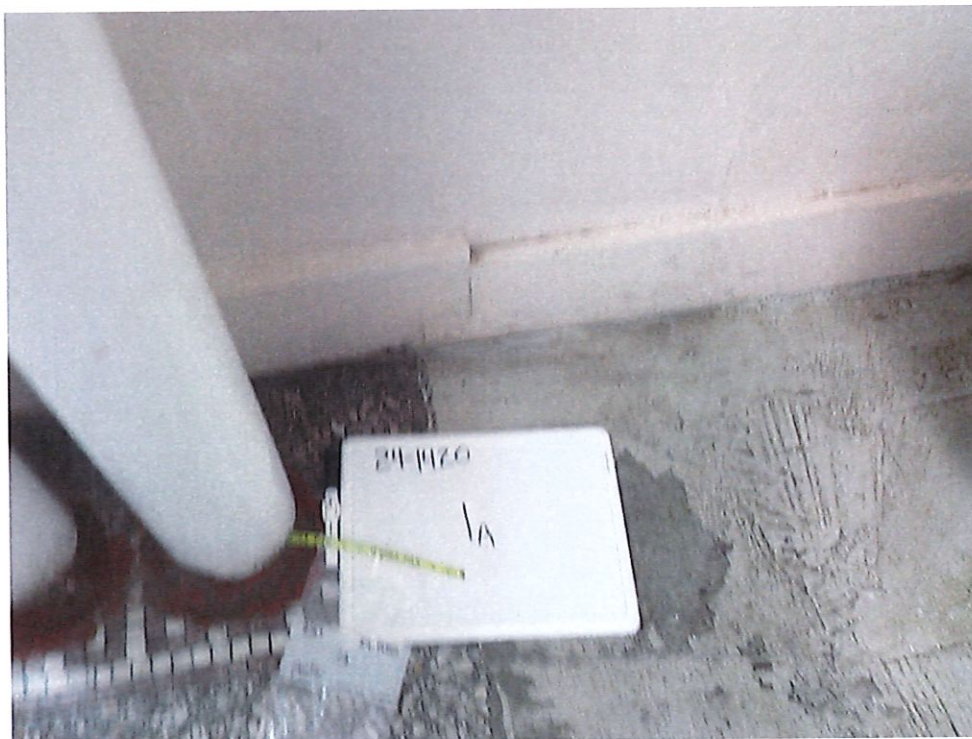


## **APPENDIX B**

### **Site & Sample Photographs**

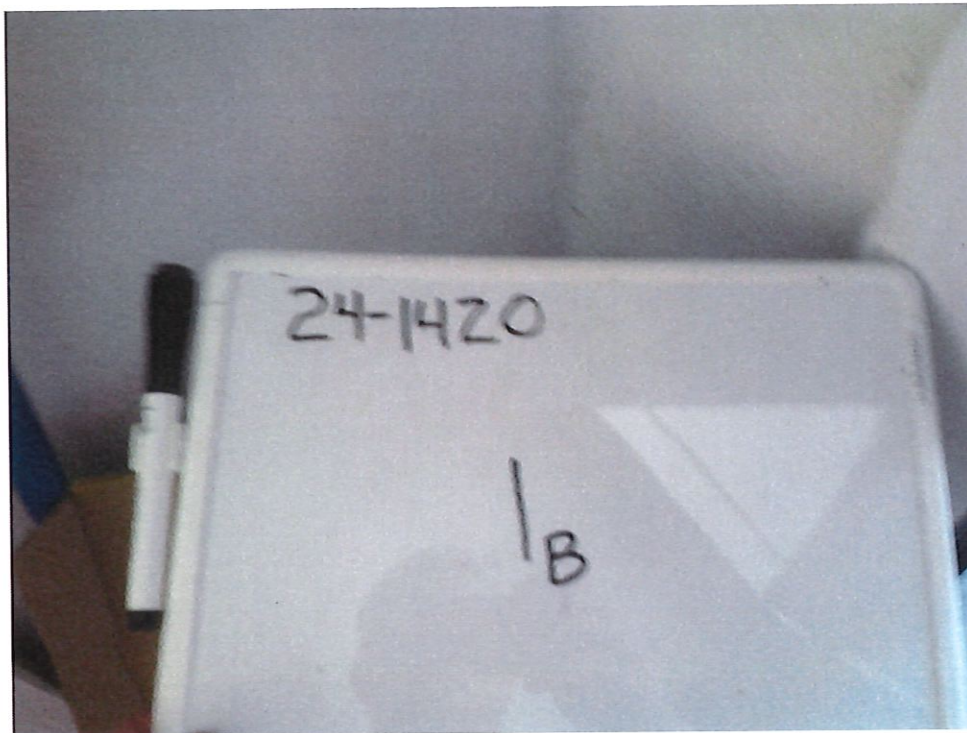


Marshall County Courthouse – south façade.

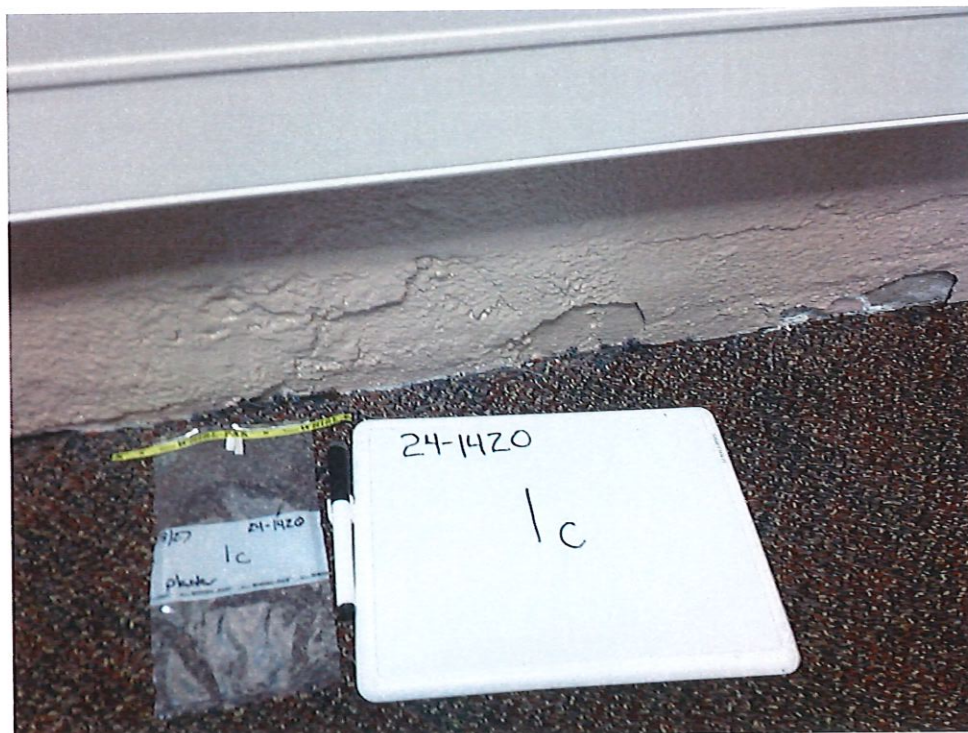


Sample 1A – Plaster





Sample 1B – Plaster



Sample 1C – Plaster





Sample 1D – Plaster

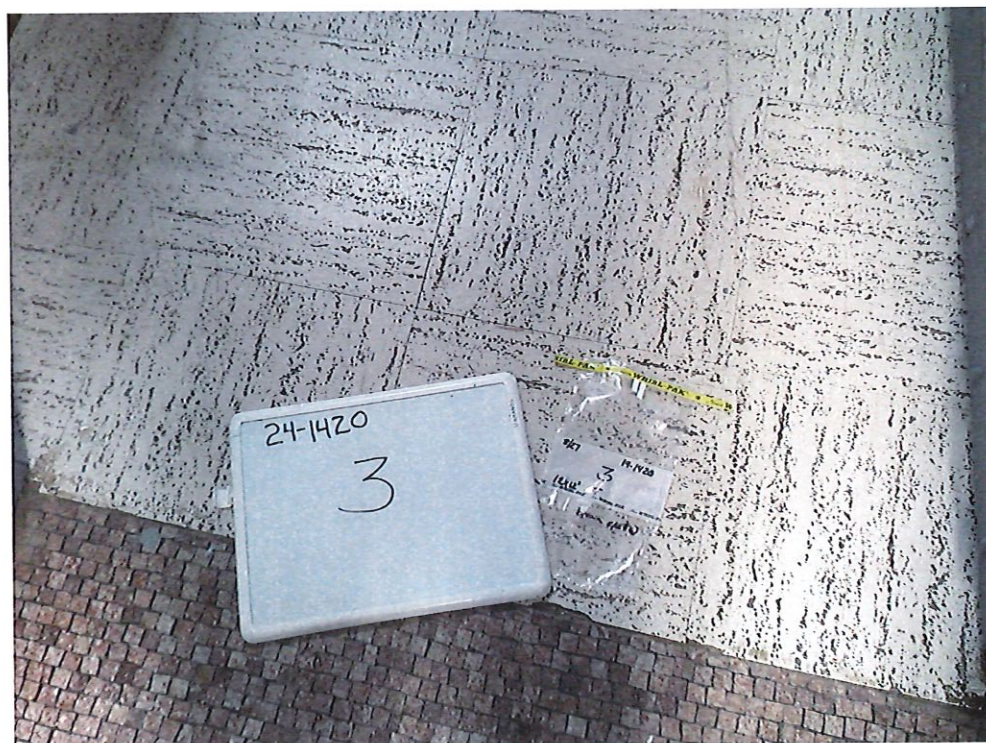


Sample 1E – Plaster



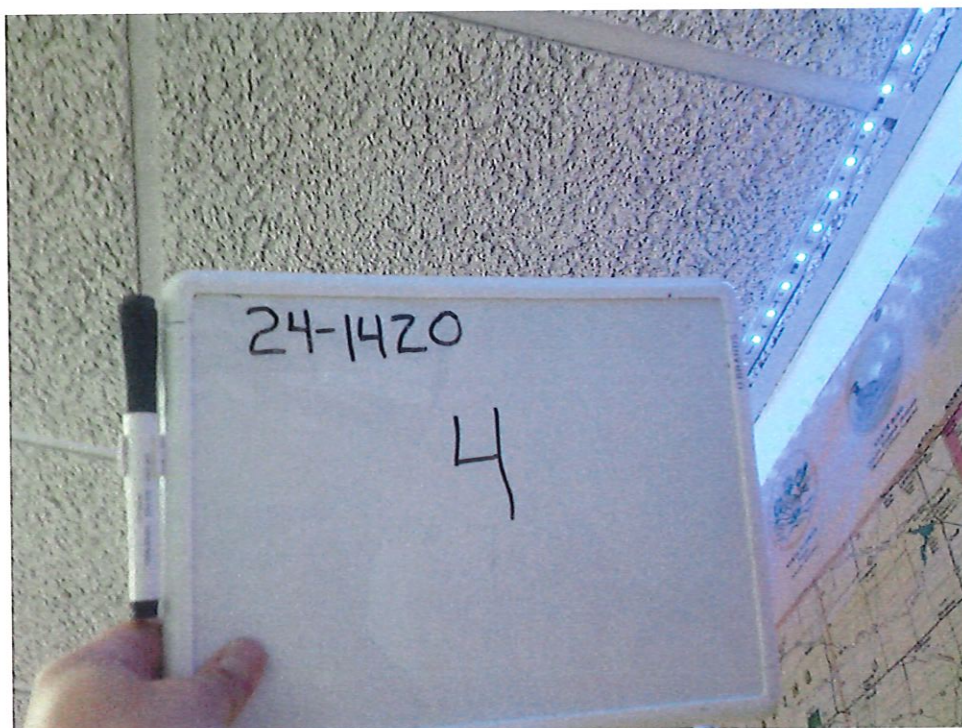


Sample #2 – 12x12” Floor Tile (N. Sheriff’s Office)

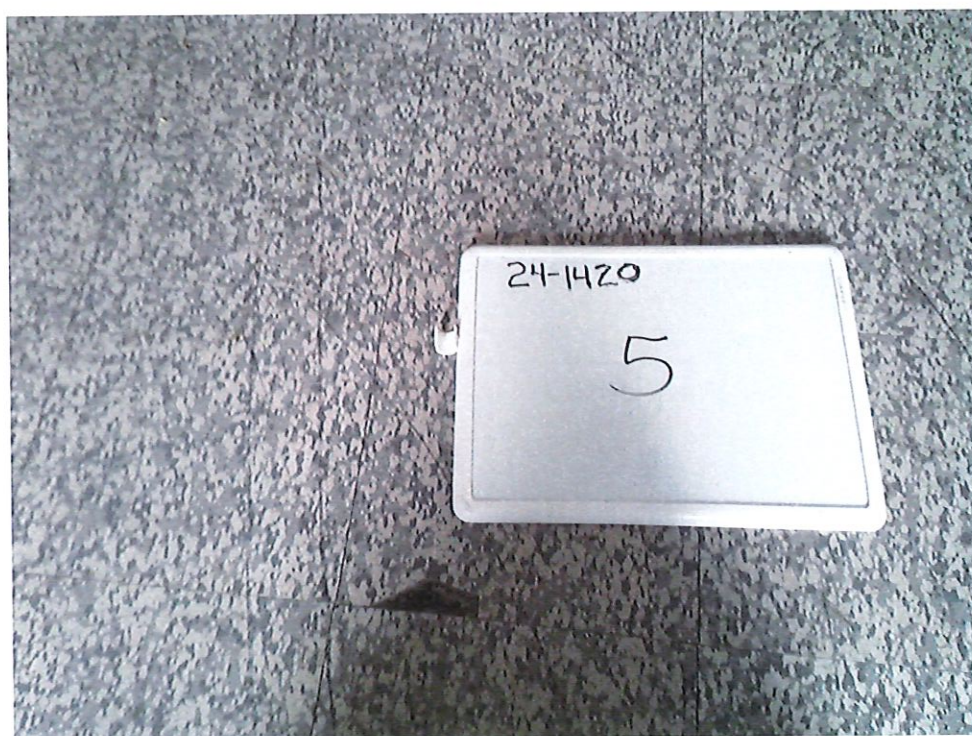


Sample #3 – 12x12” Floor Tile (W. Sheriff’s Office)  
(Asbestos Containing Material)



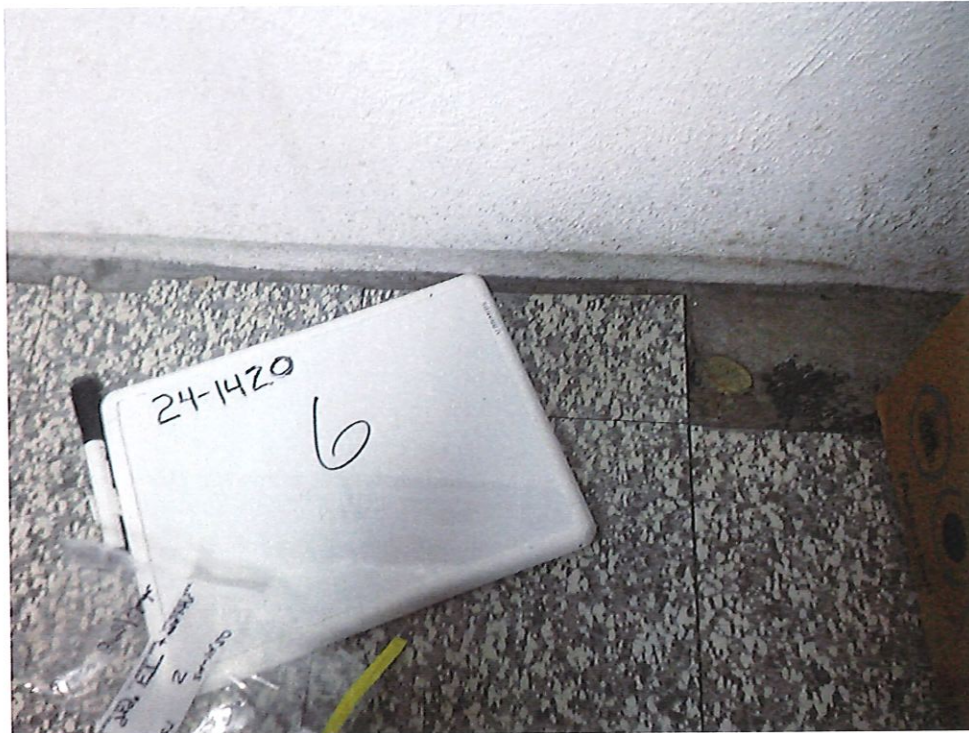


Sample #4 – 2x2' Ceiling Tile (911 Office)

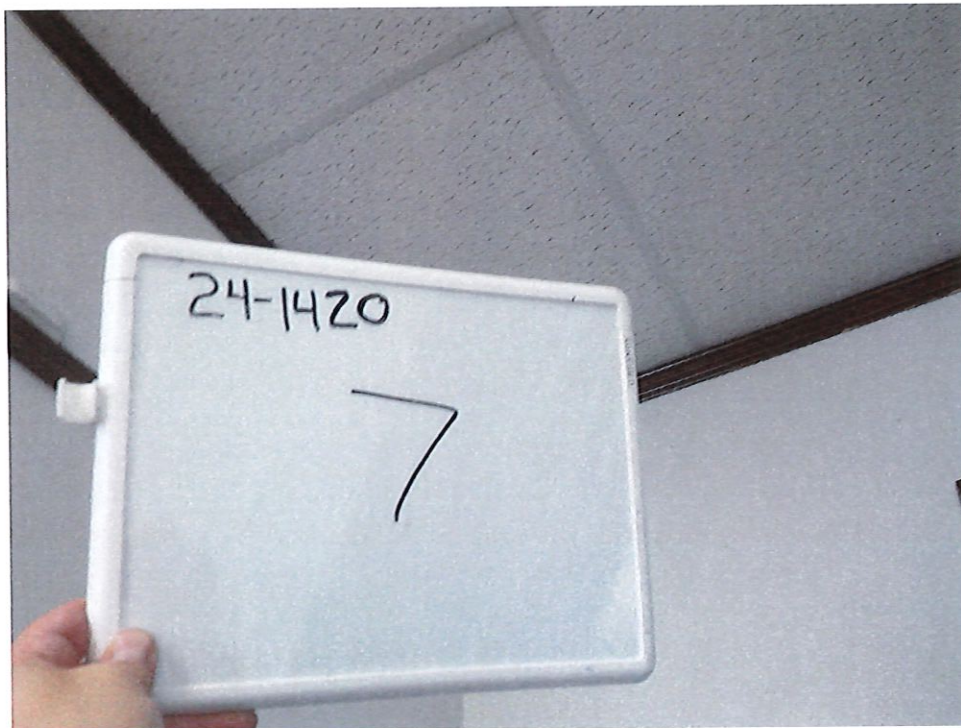


Sample #5 – 9x9" Floor Tile (Registrar's Vault)  
(Asbestos Containing Material)

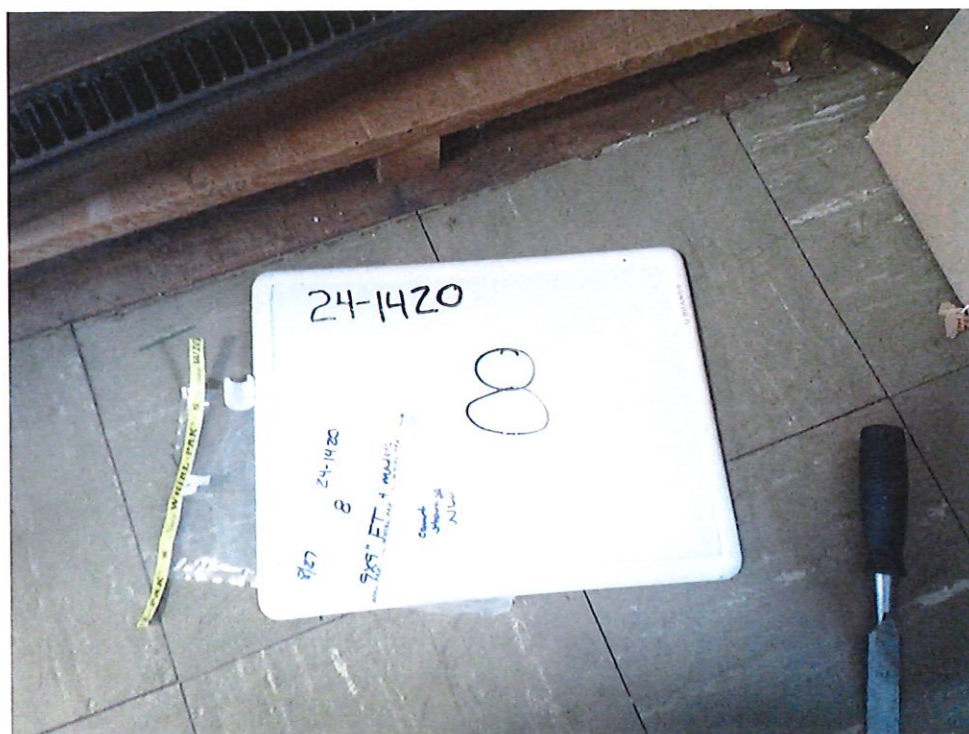




Sample #6 – 9x9” Floor Tile (Commission Rm Vault)  
(Asbestos Containing Material)



Sample #7 – 2x4’ Ceiling Tile (3<sup>rd</sup> Floor)

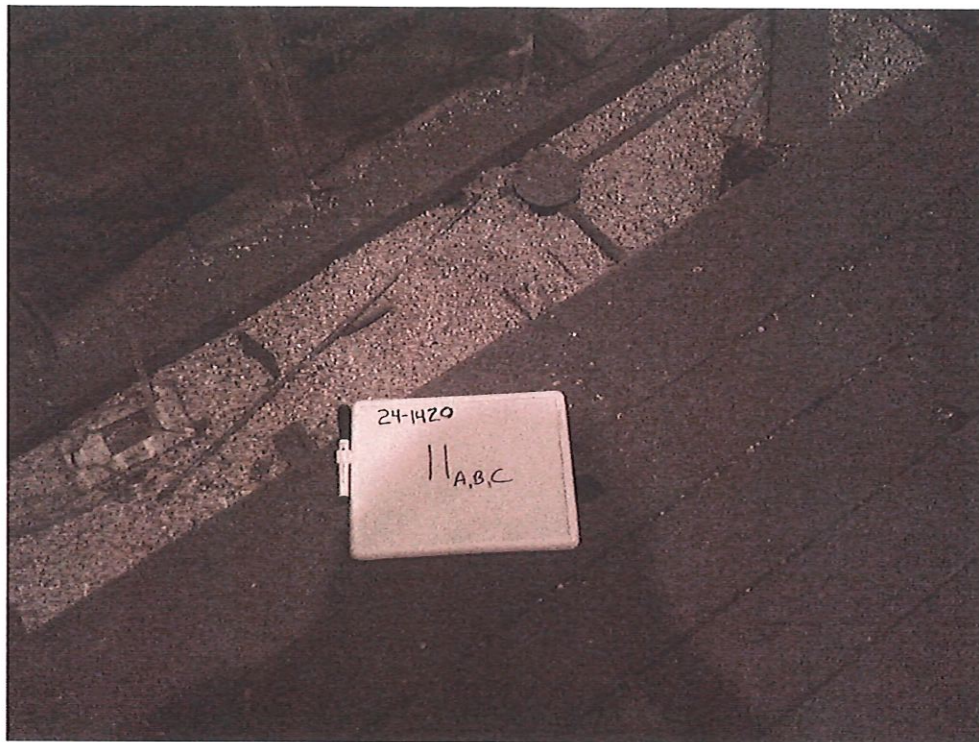


Sample #8 – 9x9” Floor Tile (Court Storage Room)  
(Asbestos Containing Material)

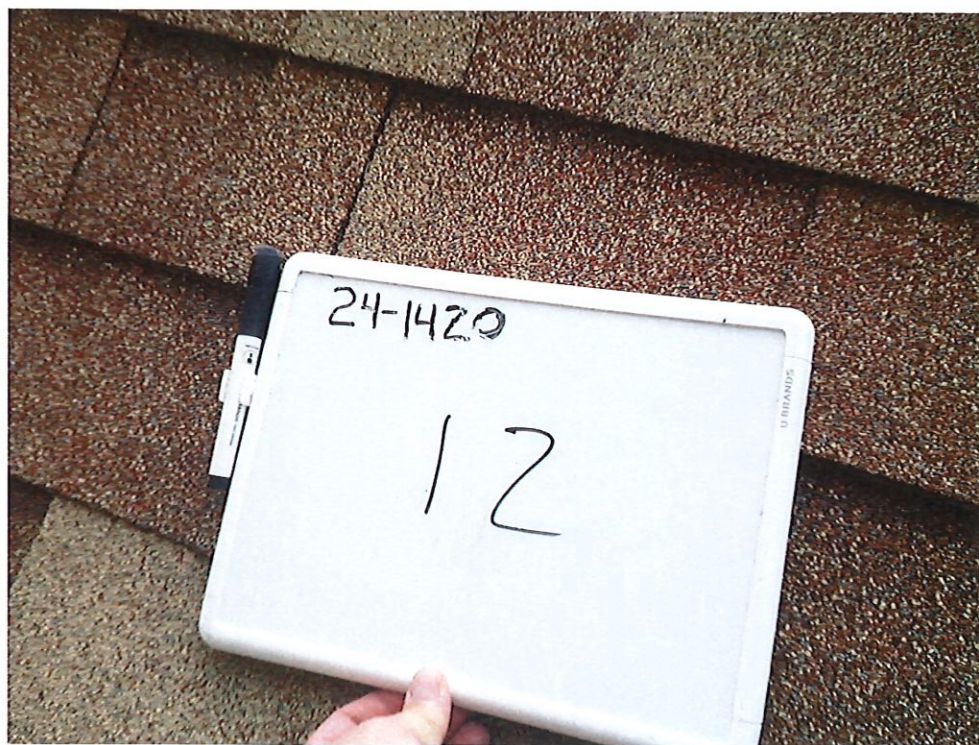


Sample #9 – Sheet Flooring (Jury Room Bath)





Samples 11A-C – Vermiculite Insulation – Attic Spaces



Sample #12 – Roofing

Note: No photo's of sample #1F (plaster) and sample# 10 (sheet flooring)