

Illinois Department of Transportation

Asbestos Abatement Survey

Work Order No.: 47

Job Order No.: R-97-004-20

Route: US 40, IL 33 (FAP 95)

Parcel No.: 7004114

107 W. Fayette Avenue

Effingham, Effingham County, IL 62401

January 21, 2026

Asbestos Abatement Survey

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Route: US 40, IL 33 (FAP 95)
Parcel No.: 7004114
107 W. Fayette Avenue
Effingham, Effingham County, IL 62401

January 21, 2026

Prepared By:

Arcadis U.S., Inc.
225 West Wacker Drive
Suite 2015
Chicago, Illinois 60606
Phone: 312 917 1000

Prepared For:

Illinois Department of Transportation
2300 South Dirksen Parkway
Springfield, IL 62764

Our Ref:

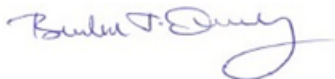
30296439



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Asbestos Inspector



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Senior Environmental Engineer / QA/QC



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Principal Environmental Engineer/Certified Project Manager

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Acronyms and Abbreviations

ACM	asbestos-containing material
AHERA	Asbestos Hazard Emergency Response Act
Arcadis	Arcadis U.S., Inc.
ASTM	ASTM International
CFR	Code of Federal Regulations
COC	chain of custody
DS	dispersion staining
HA	homogeneous area
IAC	Illinois Administrative Code
IDPH	Illinois Department of Public Health
IDOT	Illinois Department of Transportation
IEPA	Illinois Environmental Protection Agency
NESHAP	National Emissions Standards for Hazardous Air Pollutant
NIOSH	National Institute for Occupational Safety and Health
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PLM	polarized light microscopy
PPE	personal protective equipment
QA/QC	quality control/quality assurance
STAT	STAT Analysis Corporation of Chicago, Illinois
USEPA	United States Environmental Protection Agency

1 Introduction

Arcadis U.S., Inc. (Arcadis) conducted an asbestos abatement survey (survey) at Parcel No. 7004114 located at 107 W. Fayette, Effingham, Effingham County, Illinois (Site) in accordance with Work Order No. 47 under the Prime Agreement for Consulting Services for PTB No. 202-043 between Illinois Department of Transportation (IDOT) and Arcadis. Arcadis' services and report are subject to the Limitations and Service Constraints provided in **Appendix A**.

The Site is a one and one-half story single-family residential building with a full basement (unfinished), constructed in 1931, and covering approximately 1,842 square feet. A detached single car garage is also present and included in the scope of the work.

The objective of the survey was to ascertain the general presence, quantity, and location of asbestos-containing materials (ACMs) at the site that may be impacted by the planned demolition and provide preliminary cost estimates for asbestos abatement that may be required prior to demolition activities.

The survey activities were conducted on August 28, 2025, by Anthony Spalla of Arcadis U.S., Inc. and Patrick Hook of A3 Environmental LLC. (A3E), an Arcadis sub-consultant. Copies of their accreditations are provided in **Appendix B**.

2 Survey Methodology

Arcadis conducted the asbestos survey in compliance with the United States Environmental Protection Agency (USEPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPs), applicable State of Illinois and local asbestos regulations. This was accomplished by conducting a visual inspection of the structures to be impacted by the planned demolition and collecting samples of suspect ACM based on these observations. Arcadis conducted the asbestos survey in general accordance with ASTM International (ASTM) E2356 Standard Practice for Comprehensive Building Asbestos Surveys. ASTM E2356 meets the applicable asbestos survey and/or sampling requirements of current USEPA NESHAP Standard [40 Code of Federal Regulations (CFR) 61, Subpart M (Asbestos)], USEPA Asbestos Hazard Emergency Response Act (AHERA) [40 CFR 763, Subpart E], and Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard [29 CFR 1926.1101].

The survey included an inspection of the structures to be impacted by the planned demolition providing a general sense of the overall location, type, quantity, and condition of suspect ACMs present. The asbestos survey included a visual and physical assessment of each accessible space to locate suspect ACMs. Suspect materials were divided into "Homogeneous Areas" (HAs) (i.e., materials that were determined by the inspector to be homogeneous based on their color, texture, and assumed date of installation).

A representative number of samples were collected from each HA. Bulk material samples were collected in 4-milliliter plastic bags and tightly sealed for transport to STAT Analysis Corporation (STAT) in Chicago, Illinois. Each sample collected by Arcadis was assigned its own unique coded number and sent for laboratory analysis under a chain-of-custody (COC) protocol.

The survey included destructive, intrusive, and/or exploratory testing unless specifically prohibited by IDOT. Destructive sampling is performed in order to identify materials which are hidden or obstructed. Hidden or obstructed areas include but are not limited to wall cavities, pipe chases, spaces above fixed ceilings, materials located under carpeting or subfloors, and ceramic tile grout/adhesive.

3 Analytical Methods

Asbestos bulk samples were analyzed for asbestos (reported in percent of type of asbestos) using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the USEPA Method 600/R-93/116. Percentage estimates of each material's composition are based on the analyst's best visual judgment following PLM/DS analysis, and examination with a stereoscope.

STAT is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP). A copy of their accreditation is provided in **Appendix B**. Laboratory analytical reports are provided in **Appendix C**.

4 Findings

Arcadis identified 25 HAs from which 79 samples were collected and analyzed. A listing of the identified HAs, including each HA material description, location, sample number, condition, asbestos content, and estimated quantity, are presented in Table 1. Approximate sampling locations are shown on Figures 1-4 and locations of identified ACM are shown on Figure 5.

The USEPA defines ACM as a material containing greater than 1% asbestos. Materials containing less than 1% asbestos are not regulated by the USEPA or the State of Illinois, but their disturbance is regulated by OSHA.

The following HAs have been confirmed to be ACM:

- HA-1: Beige 9" x 9" Floor Tile in the South Half of the Basement
- HA-2: Gold Mastic associated with HA-1

No HAs were identified as assumed ACM.

The remaining bulk samples collected by Arcadis as part of the survey were reported by the laboratory to be ND = Asbestos Not Detected (Not Present).

Representative photographs are provided in **Appendix D**.

5 Recommendations

ACMs identified at the site that may be disturbed during demolition activities, must be removed by a licensed asbestos abatement contractor utilizing industry standard work procedures in accordance with all federal, state, and local regulations governing asbestos.

If other suspect materials not referenced in this survey report are identified during demolition activities, we recommend these materials be assumed ACM until the materials are inspected by a licensed asbestos inspector, sampled, and submitted for laboratory analysis.

6 Cost Estimate

Arcadis prepared this rough order of magnitude (ROM) opinion of cost to support planned asbestos abatement activities at the Site prior to building demolition.

ROUGH ORDER OF MAGNITUDE OPINION OF ASBESTOS ABATEMENT COSTS		
ASBESTOS ABATEMENT COSTS		
Item	Estimated Cost	Estimated Duration (Days)
Removal/disposal of identified ACM	\$5,500.00	1
Removal/disposal of assumed ACM	N/A	N/A
Sub-Total Estimated Abatement Costs	\$5,500.00	1
Contingency (15%)	\$825.00	n/a
Total Estimated Abatement Costs	\$6,325.00	1
ASBESTOS OVERSIGHT COSTS		
Item	Estimated Cost	Estimated Duration (Days)
Project Management/Coordination/Reporting	\$1,000.00	n/a
ACM Abatement Oversight (including equipment and analysis)	\$1,500.00	1
Sub-Total Estimated Oversight Costs	\$2,500.00	1
Contingency (15%)	\$375.00	n/a
Total Estimated Oversight Costs	\$2,875.00	1
TOTAL ESTIMATED PROJECT COST (WITH 15% CONTINGENCY)	\$9,200.00	1

The above ROM opinion of cost is based on the following assumptions:

- Cost estimate is based on the information identified in Arcadis' survey report.
- Cost estimate includes permits, labor, equipment, waste transport and disposal.
- Cost estimate assumes work will be awarded in its entirety to one contractor and completed during a single mobilization.
- Cost estimate includes consulting fees such as project management, project oversight, air sampling, etc.
- Actual bids and schedule durations may vary.
- Oversight costs are dependent upon the project duration which may vary depending on the contractor's schedule and is outside of Arcadis' control.

7 Additional Survey Limitations

Arcadis' survey is subject to the following survey limitations.

- The investigation did not include access or inspection of confined spaces, underground piping, conduits, and building footings, if any.
- If other suspect materials, not referenced in this survey report, are identified during renovation or demolition activities, Arcadis recommends that these materials be considered regulated until they are inspected by an appropriately certified inspector and proven otherwise.
- Utilities/services, including electric, water, and heat, were active in most areas surveyed. Materials associated with electrical components and energized equipment were not safely accessible and were not sampled.

Table

Table 1. Asbestos Homogeneous Areas Summary
IDOT - Asbestos Abatement Survey
WO # 47
107 E. Fayette Avenue, Effingham, Illinois

HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
1	Beige 9" x 9" Floor Tile	South Half of Basement	1A, 1B, 1C	Damaged	Non-Friable	Chrysotile 1-5%	520	SF	
2	Gold Mastic associated with HA-1	South Half of Basement	2A, 2B, 2C	Damaged	Non-Friable	Chrysotile 1-5%	520	SF	
3	Tan 12" x 12" Ceiling Tile (pinhole)	South Half of Basement	3A, 3B, 3C	Good	Friable	NAD	260	SF	
4	White 12" x 12" Ceiling Tile	South Half of Basement	4A, 4B, 4C	Good	Friable	NAD	260	SF	
5	Beige 12" x 12" Floor Tile	Kitchen	5A, 5B, 5C	Good	Non-Friable	NAD	121	SF	
6	Beige Mastic associated with HA-5	Kitchen	6A, 6B, 6C	Good	Non-Friable	NAD	121	SF	
7	Gray Linoleum Flooring	Bathroom 1	7A, 7B, 7C	Good	Non-Friable	NAD	25	SF	
8	Beige Mastic associated with HA-7	Bathroom 1	8A, 8B, 8C	Good	Non-Friable	NAD	25	SF	
9	Gray Plastic Wall Tile Adhesive	Bathroom 1	9A, 9B, 9C	Good	Non-Friable	NAD	100	SF	
10	White Textured 12" x 12" Ceiling Tile	Bathroom 1	10A, 10B, 10C	Good	Friable	NAD	70	SF	
11	Gray Wallpaper	Bedroom 2	11A, 11B, 11C	Good	Non-Friable	NAD	368	SF	
12	Tan Wallpaper	Bedroom 3	12A, 12B, 12C	Good	Non-Friable	NAD	336	SF	
13	Tan 12" x 12" Floor Tile	Bathroom 2	13A, 13B, 13C	Good	Non-Friable	NAD	20	SF	
14	Gold Mastic associated with HA-13	Bathroom 2	14A, 14B, 14C	Good	Non-Friable	NAD	20	SF	
15	Black Fire Brick	Living Room	15A, 15B, 15C	Good	Non-Friable	NAD	10	SF	

HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
16	Red Brick	House Exterior, Garage Exterior	16A, 16B, 16C	Good	Non-Friable	NAD	3,200	SF	
17	Gray Mortar associated with HA-16	House Exterior, Garage Exterior	17A, 17B, 17C	Good	Non-Friable	NAD	3,200	SF	
18	Black Asphalt Shingles	House Roof, Garage Roof	18A, 18B, 18C	Good	Non-Friable	NAD	2,200	SF	
19	Black Felt Paper under with HA-18	House Roof, Garage Roof	19A, 19B, 19C	Good	Non-Friable	NAD	2,200	SF	
20	Red Asphalt Shingles	Garage North and South Sides above Doors	20A, 20B, 20C	Good	Non-Friable	NAD	80	SF	Shingles on top of brick
21	Brown Baseboard Heater Paper	Living Room, Dining Room	21A, 21B, 21C	Good	Non-Friable	NAD	68	LF	
22	White Popcorn Ceiling	Living Room, Dining Room, Foyer, Closets, Bedroom 1, Bedroom 2	22A, 22B, 22C	Good	Friable	NAD	720	SF	
23	White Plaster Skimcoat	1st and 2nd Floor Walls and Ceilings	23A, 23B, 23C, 23D, 23E	Good	Non-Friable	NAD	4,900	SF	
24	Gray Plaster Basecoat	1st and 2nd Floor Walls and Ceilings	24A, 24B, 24C, 24D, 24E	Good	Non-Friable	NAD	4,900	SF	
25	Gray Concrete Foundation	House Foundation, Garage Foundation, Driveway	25A, 25B, 25C	Good	Non-Friable	NAD	2,516	SF	

Notes:

ACM = Asbestos-Containing Material

Assumed ACM = A material determined by the inspector to be suspect ACM and is considered asbestos-containing until laboratory analysis can prove otherwise.

NAD = No Asbestos Detected

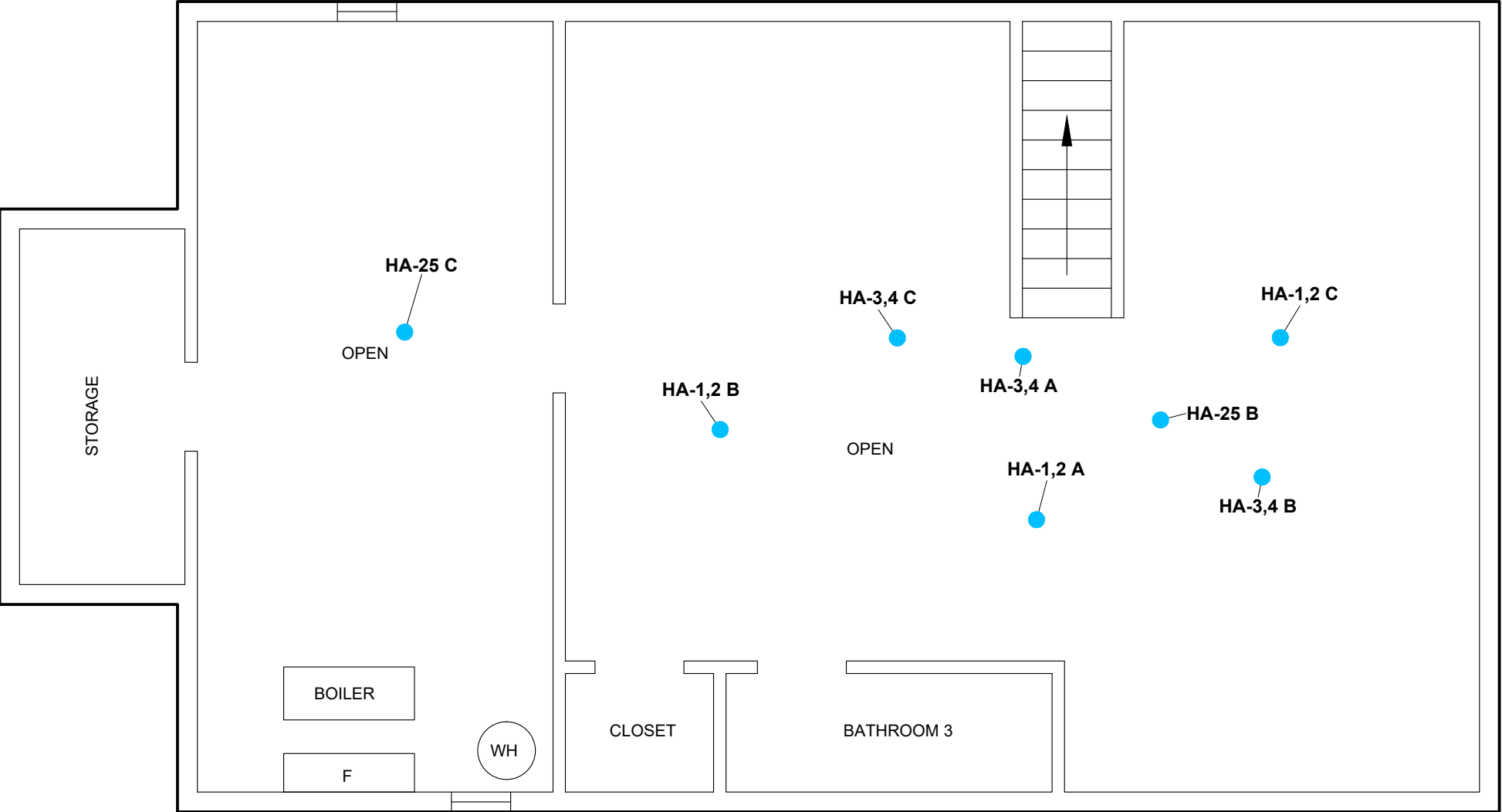
EA = Each

LF = Linear Foot

SF = Square Foot

Figures



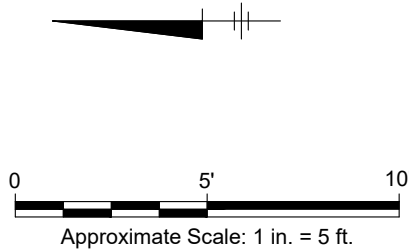


LEGEND

● ASBESTOS SAMPLE

NOTE

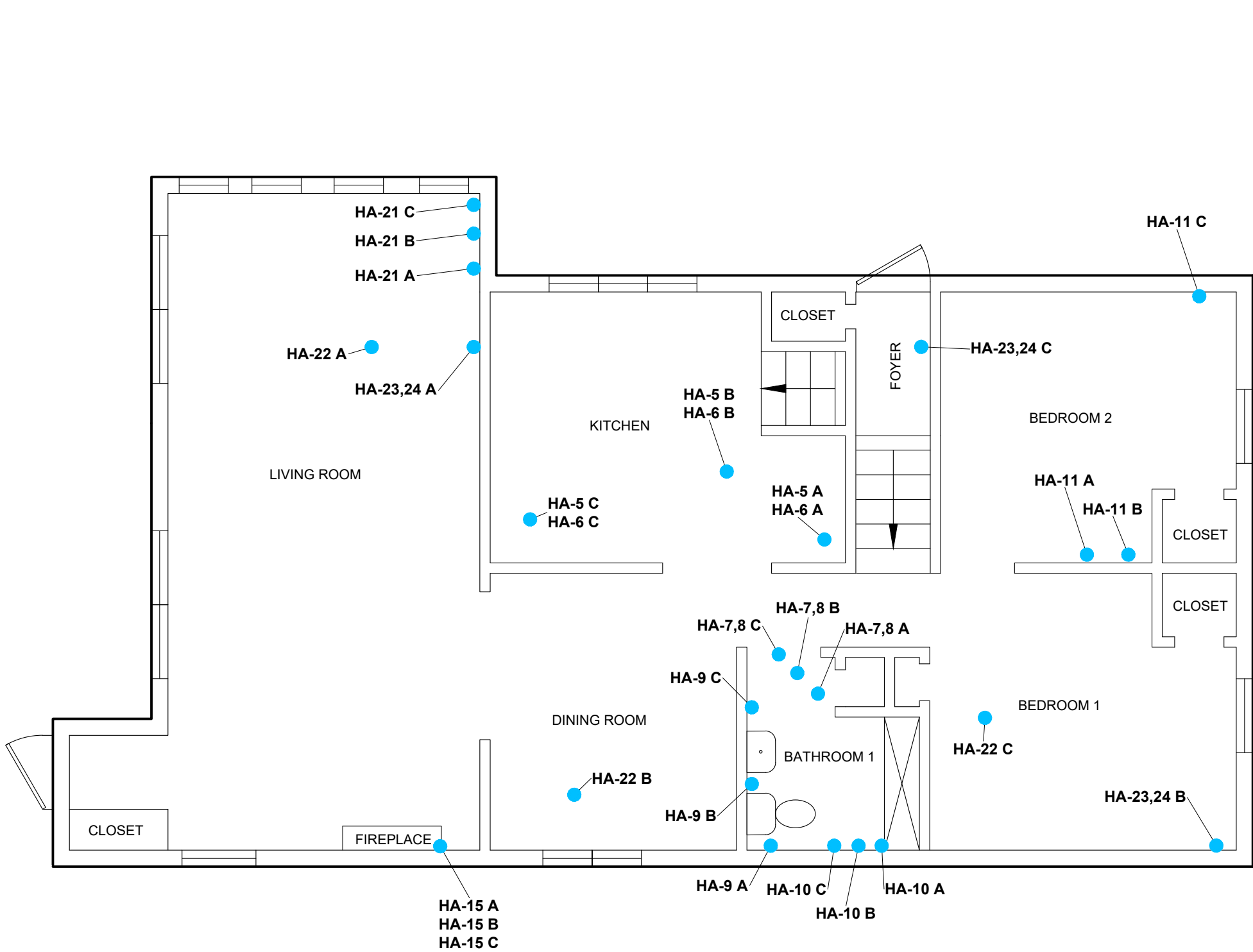
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



30296439 - IDOT / Asbestos Surveys WO #47
Job No. R-97-004-20
Route: US 40, IL 33 (FAP 95) Parcel 7004114
107 W. Fayette Avenue
Effingham, Effingham County, Illinois
ASBESTOS ABATEMENT SURVEY

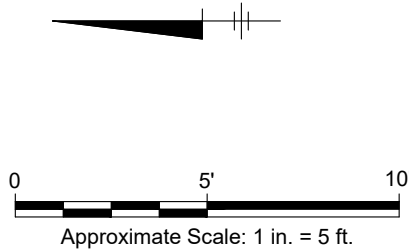
**SAMPLING LOCATIONS -
BASEMENT**





LEGEND
● ASBESTOS SAMPLE

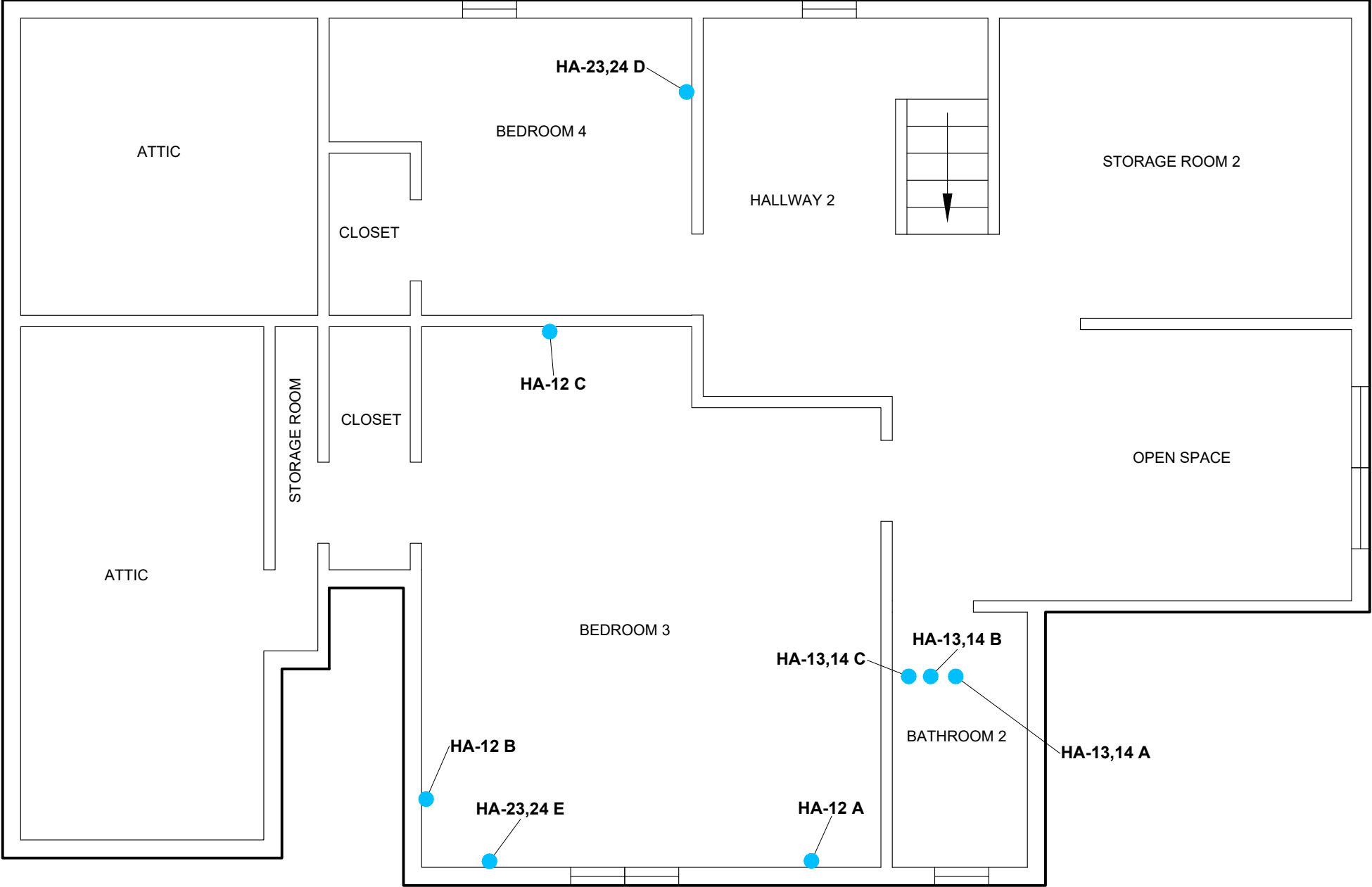
NOTE
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



30296439 - IDOT / Asbestos Surveys WO #47
Job No. R-97-004-20
Route: US 40, IL 33 (FAP 95) Parcel 7004114
107 W. Fayette Avenue
Effingham, Effingham County, Illinois
ASBESTOS ABATEMENT SURVEY

**SAMPLING LOCATIONS -
FIRST FLOOR**





LEGEND

● ASBESTOS SAMPLE

NOTE

BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.

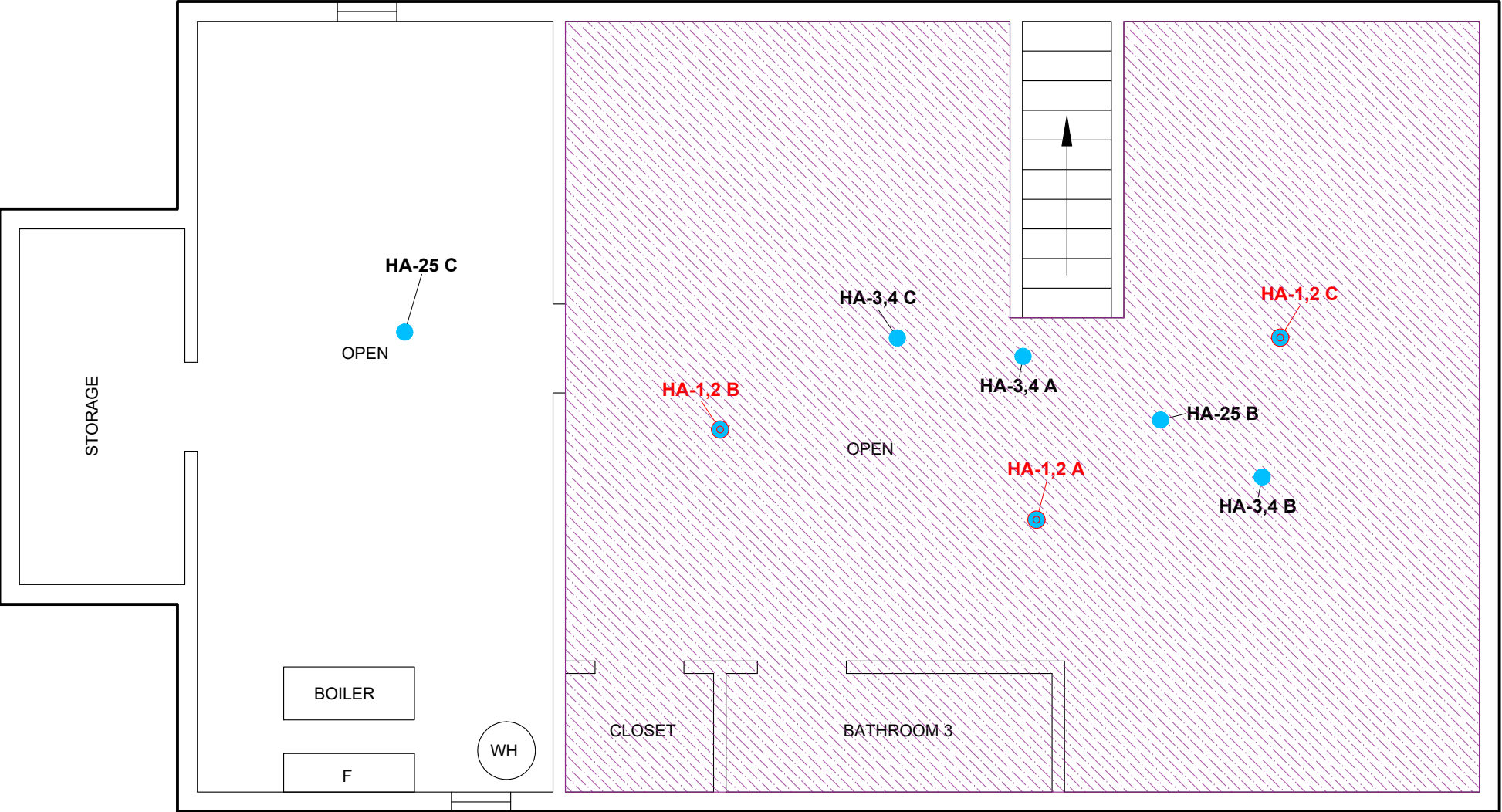


Approximate Scale: 1 in. = 5 ft.

30296439 - IDOT / Asbestos Surveys WO #47
Job No. R-97-004-20
Route: US 40, IL 33 (FAP 95) Parcel 7004114
107 W. Fayette Avenue
Effingham, Effingham County, Illinois
ASBESTOS ABATEMENT SURVEY

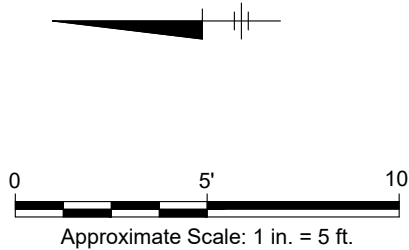
**SAMPLING LOCATIONS -
SECOND FLOOR**





- LEGEND
- ASBESTOS SAMPLE
 - ⊙ POSITIVE SAMPLE
 - HA-1: Beige 9x9 Floor Tile
HA-2: Mastic Associated with HA-1

NOTE
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



30296439 - IDOT / Asbestos Surveys WO #47
Job No. R-97-004-20
Route: US 40, IL 33 (FAP 95) Parcel 7004114
107 W. Fayette Avenue
Effingham, Effingham County, Illinois
ASBESTOS ABATEMENT SURVEY

**ASBESTOS CONTAINING MATERIAL
LOCATIONS - BASEMENT**



Appendix A

Limitations and Service Constraints

Limitations and Service Constraints

The opinions, conclusions and recommendations presented in this report are limited to the information obtained during the performance of the specific scope of service identified in the report. To the extent that Arcadis relied upon any information prepared by other parties not under direct contract to Arcadis, no representation as to the accuracy or completeness of such information is made. This report is an instrument of professional service and the services described in the report were performed in accordance with generally accepted standards and level of skill and care ordinarily exercised by members of the profession working under similar conditions including comparable budgetary and schedule constraints. No warranty, guarantee or certification express or implied, is intended or given with respect to Arcadis' services, opinions, conclusions, or recommendations. This statement is in lieu of any other statement either expressed or implied.

Arcadis' observations, the results of testing and Arcadis' opinions, conclusions and recommendations apply solely to conditions existing at the specific times when and specific locations where Arcadis' investigative work was performed. Arcadis affirms that data gathered and presented by Arcadis in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. Arcadis cannot be responsible for decisions made by our client solely on the basis of economic factors. Observation and testing activities such as those conducted by Arcadis are inherently limited and do not represent a conclusive or complete characterization. Arcadis analyzed only the substances, conditions and locations described in the report at the time indicated. Conditions in other parts of the project site, building or area may vary from conditions at the specific locations where observations were made and where testing was performed by Arcadis. Additionally, other building material hazards which were not identified by Arcadis, may also be present in inaccessible areas, including within walls and cavities, above ceilings, and below floors. Therefore, the extent of Arcadis' opinions, conclusions and recommendations are limited and 100% confidence in these opinions, conclusions and recommendations cannot reasonably be achieved. Nothing contained in this report shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards nor shall it be considered medical advice or consultation.

This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared and for the particular purpose outlined in the report. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk. This report must be presented in its entirety.

Appendix B

Accreditations

Inspector

Laboratory



ASBESTOS PROFESSIONAL LICENSE

ID NUMBER

100 - 20504

ISSUED

6/17/2025

EXPIRES

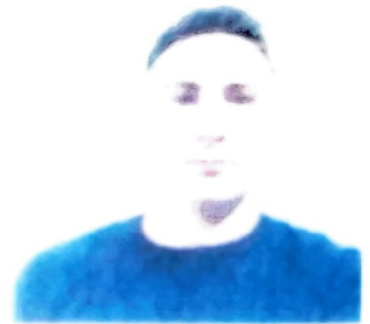
05/15/2026

ANTHONY F SPALLA

611 East Cass Street

Joliet, IL 60432

Environmental Health



ENDORSEMENTS

INSPECTOR

TC EXPIRES

8/5/2025

Alteration of this license shall result in legal action

This license issued under authority of the State of Illinois
Department of Public Health

This license is valid only when accompanied by a valid
training course certificate.



525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

PATRICK W HOOK
2025 WOODLANE DR
LINDENHURST, IL 60046

3/10/2025

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 10967

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

Back of License

			ASBESTOS PROFESSIONAL LICENSE		ENDORSEMENTS	TC EXPIRES
ID NUMBER			ISSUED	EXPIRES	INSPECTOR	1/10/2026
100 - 10967			3/10/2025	05/15/2026	PROJECT MANAGER	1/11/2026
PATRICK W HOOK 2025 WOODLANE DR LINDENHURST, IL 60046 Environmental Health					Alteration of this license shall result in legal action This license issued under authority of the State of Illinois Department of Public Health This license is valid only when accompanied by a valid training course certificate.	

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101202-0

STAT Analysis Corporation
Chicago, IL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué on ISO/IEC 17025).*

2025-07-01 through 2026-06-30

Effective Dates



A handwritten signature in blue ink, appearing to read "R. K. Knech".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

STAT Analysis Corporation
Sterling Labs
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Chicago, IL 60612
Joseph Gusek
Phone: 312-733-0551
Email: jgusek@thesterlinglab.com
www.thesterlinglab.com

ASBESTOS FIBER ANALYSIS

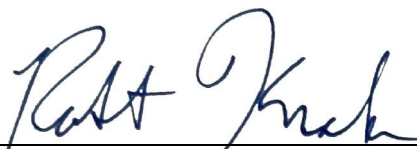
NVLAP LAB CODE 101202-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program

Appendix C

Laboratory Reports

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

Arcadis US Inc.
225 W. Wacker Drive, Suite 2015
Chicago, IL 60606
Phone: (312) 575-3718

Reference: 30296479 Date Received: 09/09/2025
Location: IDOT WO#47, 107 W. Fayette Ave., Effingham, IL Date Analyzed: 09/12/2025
Batch No.: 376134 Date Reported: 09/12/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134001	1A	Chrysotile 1-5%	Binder 95-99%
376134002	1B	Chrysotile 1-5%	Binder 95-99%
376134003	1C	Chrysotile 1-5%	Binder 95-99%
376134004	2A	Chrysotile 1-5%	Binder 95-99%
376134005	2B	Chrysotile 1-5%	Binder 95-99%
376134006	2C	Chrysotile 1-5%	Binder 95-99%
376134007	3A	ND	Cellulose 80-85% Binder 15-20%
376134008	3B	ND	Cellulose 80-85% Binder 15-20%
376134009	3C	ND	Cellulose 80-85% Binder 15-20%
376134010	4A	ND	Cellulose 60-65% Binder 35-40%
376134011	4B	ND	Cellulose 60-65% Binder 35-40%
376134012	4C	ND	Cellulose 60-65% Binder 35-40%
376134013	5A	ND	Cellulose 1-5% Binder 95-99%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :



ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

Arcadis US Inc.
225 W. Wacker Drive, Suite 2015
Chicago, IL 60606
Phone: (312) 575-3718

Reference: 30296479 Date Received: 09/09/2025
Location: IDOT WO#47, 107 W. Fayette Ave., Effingham, IL Date Analyzed: 09/12/2025
Batch No.: 376134 Date Reported: 09/12/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134014	5B	ND	Cellulose 1-5% Binder 95-99%
376134015	5C	ND	Cellulose 1-5% Binder 95-99%
376134016	6A	ND	Cellulose 1-5% Binder 95-99%
376134017	6B	ND	Cellulose 1-5% Binder 95-99%
376134018	6C	ND	Cellulose 1-5% Binder 95-99%
376134019	7A	ND	Cellulose 10-15% Binder 85-90%
376134020	7B	ND	Cellulose 10-15% Binder 85-90%
376134021	7C	ND	Cellulose 10-15% Binder 85-90%
376134022	8A	ND	Cellulose 1-5% Binder 95-99%
376134023	8B	ND	Cellulose 1-5% Binder 95-99%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name : 
Daniel Mikos / Microscopist

Date: 09/12/2025

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

Arcadis US Inc.
225 W. Wacker Drive, Suite 2015
Chicago, IL 60606
Phone: (312) 575-3718

Reference: 30296479 Date Received: 09/09/2025
Location: IDOT WO#47, 107 W. Fayette Ave., Effingham, IL Date Analyzed: 09/12/2025
Batch No.: 376134 Date Reported: 09/12/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134024	8C	ND	Cellulose 1-5% Binder 95-99%
376134025	9A	ND	Cellulose 1-5% Binder 95-99%
376134026	9B	ND	Cellulose 1-5% Binder 95-99%
376134027	9C	ND	Cellulose 1-5% Binder 95-99%
376134028	10A	ND	Cellulose 60-65% Binder 35-40%
376134029	10B	ND	Cellulose 60-65% Binder 35-40%
376134030	10C	ND	Cellulose 60-65% Binder 35-40%
376134031	11A	ND	Cellulose 15-20% Binder 80-85%
376134032	11B	ND	Cellulose 15-20% Binder 80-85%
376134033	11C	ND	Cellulose 15-20% Binder 80-85%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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Analyzed by Name :


Daniel Mikos / Microscopist

Date: 09/12/2025

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Batch No.:	376134	Date Reported:	09/12/2025
Customer No.:	2530	Turn Around Time:	5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134034	12A	ND	Cellulose 80-85% Binder 15-20%
376134035	12B	ND	Cellulose 80-85% Binder 15-20%
376134036	12C	ND	Cellulose 80-85% Binder 15-20%
376134037	13A	ND	Cellulose 1-5% Binder 95-99%
376134038	13B	ND	Cellulose 1-5% Binder 95-99%
376134039	13C	ND	Cellulose 1-5% Binder 95-99%
376134040	14A	ND	Cellulose 1-5% Binder 95-99%
376134041	14B	ND	Cellulose 1-5% Binder 95-99%
376134042	14C	ND	Cellulose 1-5% Binder 95-99%
376134043	15A	ND	Cellulose 1-5% Binder 95-99%

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Batch No.: 376134 Date Reported: 09/12/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134044	15B	ND	Cellulose 1-5% Binder 95-99%
376134045	15C	ND	Cellulose 1-5% Binder 95-99%
376134046	16A	ND	Cellulose 1-5% Binder 95-99%
376134047	16B	ND	Cellulose 1-5% Binder 95-99%
376134048	16C	ND	Cellulose 1-5% Binder 95-99%
376134049	17A	ND	Cellulose 1-5% Binder 95-99%
376134050	17B	ND	Cellulose 1-5% Binder 95-99%
376134051	17C	ND	Cellulose 1-5% Binder 95-99%
376134052	18A	ND	Binder 85-90% Glass 10-15%
376134053	18B	ND	Binder 85-90% Glass 10-15%

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Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134054	18C	ND	Binder 85-90% Glass 10-15%
376134055	19A	ND	Cellulose 60-65% Binder 35-40%
376134056	19B	ND	Cellulose 60-65% Binder 35-40%
376134057	19C	ND	Cellulose 60-65% Binder 35-40%
376134058	20A	ND	Cellulose 10-15% Binder 85-90%
376134059	20B	ND	Cellulose 10-15% Binder 85-90%
376134060	20C	ND	Cellulose 10-15% Binder 85-90%
376134061	21A	ND	Cellulose 80-85% Binder 15-20%
376134062	21B	ND	Cellulose 80-85% Binder 15-20%
376134063	21C	ND	Cellulose 80-85% Binder 15-20%

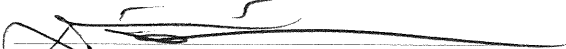
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Batch No.: 376134 Date Reported: 09/12/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134064	22A	ND	Cellulose 1-5% Binder 95-99%
376134065	22B	ND	Cellulose 1-5% Binder 95-99%
376134066	22C	ND	Cellulose 1-5% Binder 95-99%
376134067	23A	ND	Cellulose 1-5% Binder 95-99%
376134068	23B	ND	Cellulose 1-5% Binder 95-99%
376134069	23C	ND	Cellulose 1-5% Binder 95-99%
376134070	23D	ND	Cellulose 1-5% Binder 95-99%
376134071	23E	ND	Cellulose 1-5% Binder 95-99%
376134072	24A	ND	Cellulose 1-5% Binder 95-99%
376134073	24B	ND	Cellulose 1-5% Binder 95-99%

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Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
376134074	24C	ND	Cellulose 1-5% Binder 95-99%
376134075	24D	ND	Cellulose 1-5% Binder 95-99%
376134076	24E	ND	Cellulose 1-5% Binder 95-99%
376134077	25A	ND	Cellulose 1-5% Binder 95-99%
376134078	25B	ND	Cellulose 1-5% Binder 95-99%
376134079	25C	ND	Cellulose 1-5% Binder 95-99%

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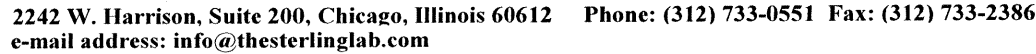
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Analyzed by Name :



Daniel Mikos / Microscopist

Date: 09/12/2025



Page : 1 of 1

[illegible]

Comments: Please email results to Brenden. Akaly@arcad15.com

376134

Client/Project

Site Address:

Project Number:

IDDT WO#47

107 W. Fayette Ave. Effingham, IL

30296439

Survey Date(s):

08/28/2025

Inspector:

Anthony Spalla, Patrick Hook



HA / Sample Number		Material Type (M, TSI, S)	Color	Texture	Material Description	Floor	Sample Location	Material Location(s)	Condition (G, D, SD)	Friable (Y / N)	Approx Quantity Units (SF/LF)	Photo #	
1	A	M	Beige	Smooth	9x9 Floor Tile	B	Basement	Basement	G	N	520SF	1	
	B	S											
	C	S											
Comment / Notes: South half of basement													
2	A	M	Gold	Rough	Mastic assoc. w/HA-1	S	S	S	G	N	520SF	2	
	B	S											
	C	S											
Comment / Notes: " " "													
3	A	M	Tan	Smooth	12X12 Ceiling Tile	S	S	S	G	N	260SF	3	
	B	S											
	C	S											
Comment / Notes: Pin Hole Look. South half of basement. Mixture of HA-3 and HA-4.													
4	A	M	White	Smooth	Fr 12X12 Ceiling Tile	S	S	S	G	N	260SF	4	
	B	S											
	C	S											
Comment / Notes:													
5	A	M	Beige	Smooth	12X12 Floor Tile	1st	Kitchen	Kitchen	G	N	12/SF	5	
	B	S				S			S				
	C	S				S			S				
Comment / Notes:													
Comment / Notes:													
6	A	M	Beige Gray	Rough	Mastic assoc. w/HA-5	S	S	S	G	N	12/SF	6	
	B	S											
	C	S											
Comment / Notes:													

Rec: Mr. Padgett 7/8/25 16:00

376134

Client/Project _____ Survey Date(s): _____
 Site Address: _____ Inspector: _____
 Project Number: _____



HA / Sample Number	Material Type (M, TSI, S)	Color	Texture	Material Description	Floor	Sample Location	Material Location(s)	Condition (G, D, SD)	Friable (Y / N)	Approx Quantity Units (SF/LF)	Photo #
7	A B C	M S S	Gray	Smooth	1st	Bathroom 1	Bathroom 1	G	N	25SF	7
Comment / Notes:											
8	A B C	M S S	Beige	Rough				G	N	25SF	8
Comment / Notes:											
9	A B C	M S S	Gray	Smooth	1st			G	N	100SF	9
Comment / Notes:											
10	A B C	M S S		Rough							
Comment / Notes:											
10	A B C	M S S	White	Rough	1st			G	N	70SF	10
Comment / Notes:											
Comment / Notes:											
11	A B C	M S S	Gray	Rough	1st	Bedroom 2	Bedroom 2	G	N	368SF	11
Comment / Notes:											

Rev: M. Pettigall 9/18/15 16100

376134

Client/Project

Survey Date(s):

Site Address:

Inspector:

Project Number:



HA / Sample Number	Material Type (M, TSI, S)	Color	Texture	Material Description	Floor	Sample Location	Material Location(s)	Condition (G, D, SD)	Friable (Y / N)	Approx Quantity Units (SF/LF)	Photo #
12	A	M	Tan	Smooth	2nd	Bedroom 3	Bedroom 3	G	N	336SF	12
	B	S	Striped	Rough	{	{					
	C	S									
Comment / Notes:											
13 14	A	M	Tan	Smooth	2nd	Bathroom 2	Bathroom 2	G	N	20SF	13
	B	S			{	{					
	C	S			{	{					
Comment / Notes											
14 15	A	M	Gold	Rough	2nd		{	G	N	20SF	14
	B	S			{	{					
	C	S			{	{					
Comment / Notes											
15 16	A	M	Black	Rough	1st	Fireplace	Living Room	G	N	10SF	15
	B	S			{	{					
	C	S			{	{					
Comment / Notes											
16 17	A	M	Red	Rough	Ext.	NE Corner of House	Ext. of House and Garage	G	N	3200SF	16
	B	S			{	NW Corner of House					
	C	S			{	SE Corner of House					
Comment / Notes											
Comment / Notes											
18 17	A	M	Gray	Rough			{	G	N	3200SF	17
	B	S			{	{					
	C	S			{	{					
Comment / Notes											

Rec'd in Report 9/8/15 16:00

376134

Client/Project

Survey Date(s):

Site Address:

Inspector:

Project Number:



HA / Sample Number	Material Type (M, TSI, S)	Color	Texture	Material Description	Floor	Sample Location	Material Location(s)	Condition (G, D, SD)	Friable (Y / N)	Approx Quantity Units (SF/LF)	Photo #			
18	A	M	Black	Rough	Asphalt Shingles	Ext.	East End of House	Roof of House and Garage	G	N	2200SF	18		
	B	S					South End of House							
	C	S					NW Corner of Garage							
Comment / Notes:														
20 ¹⁹	A	M	Black	Smooth	Felt Paper assoc. w/HA-19	}	}	}	G	N	2200SF	19		
	B	S												
	C	S												
Comment / Notes														
20	A	M	Red	Rough	Asphalt Shingles assoc. w/Garage	Ext.	North End of Garage	Garage	G	N	80SF	20		
	B	S					North End of Garage							
	C	S					South End of Garage							
Comment / Notes Red Shingles on top of Brick. North and South Sides. Above door.														
21	A	M	Brown	Smooth	Baseboard Heater Paper	M	Living Room	Living Room Dining Room	G	N	68LF	21		
	B	S												
	C	S												
Comment / Notes														
22	A	S	White	Rough	Popcorn Ceiling	1st	Living Room	Every Room on 1st Floor except Kitchen and Bathroom	G	Y	720SF	22		
	B	S					Dining Room							
	C	S					Bedroom 1							
Comment / Notes														
Comment / Notes														
23	A	S	White	Rough	Skim Coat of Plaster	1st	Living Room	Every Ceiling and Every Wall in The House	XG	N	4900SF	23		
	B	S					Bedroom 1							
	C	S					Foyer							
Comment / Notes														
ON the 1st and 2nd Floor														

Rec: Mr. [Signature] 9/8/25 16:00

376134

Client/Project

Survey Date(s):

Site Address:

Inspector:

Project Number:



HA / Sample Number	Material Type (M, TSI, S)	Color	Texture	Material Description	Floor	Sample Location	Material Location(s)	Condition (G, D, SD)	Friable (Y / N)	Approx Quantity Units (SF/LF)	Photo #
23	D	S	White	Rough		Skim Coat of Plaster	2nd Bedroom 4 Bedroom 3 Every Ceiling and Every wall in the House on the 1st and 2nd floor	G	N	4900SF	23
	E	S									
	-	-									
Comment / Notes:											
24	A	S	Gray	Rough		Base Coat of Plaster	1st S	G	N	4900SF	24
	B	S									
	C	S									
Comment / Notes											
24	D	S	S	S		S	2nd S	G	N	4900SF	24
	E	S									
	-	-									
Comment / Notes											
25	A	M	Gray	Rough		Concrete Foundation	Ext. B Driveway Basement House, Garage, Driveway	G	N	2516SF	24
	B	S									
	C	S									
Comment / Notes											
Comment / Notes											
Comment / Notes											
Comment / Notes											

Rec'd M. P. 7/8/15 16:00

Appendix D

Photo Log



Exterior of Building – Front



Exterior of Garage



HA-1: Beige 9" x 9" Floor Tile



HA-2: Gold Mastic associated with HA-1



HA-3: Tan 12" x 12" Ceiling Tile (pinhole)
HA-4: White 12" x 12" Ceiling Tile



HA-5: Beige 12" x 12" Floor Tile



HA-6: Beige Mastic associated with HA-5



HA-7: Gray Linoleum Flooring



HA-8: Beige Mastic associated with HA-7



HA-9: Gray Plastic Wall Tile Adhesive



HA-10: White Textured 12" x 12 Ceiling Tile



HA-11: Gray Wallpaper



HA-12: Tan Wallpaper



HA-13: Tan 12" x 12" Floor Tile



HA-14: Gold Mastic associated with HA-13

No Photo Available

HA-15: Black Fire Brick



HA-16: Red Brick

HA-17: Gray Mortar associated with Red Brick



HA-18: Black Shingles



HA-19: Black Felt Paper under HA-18



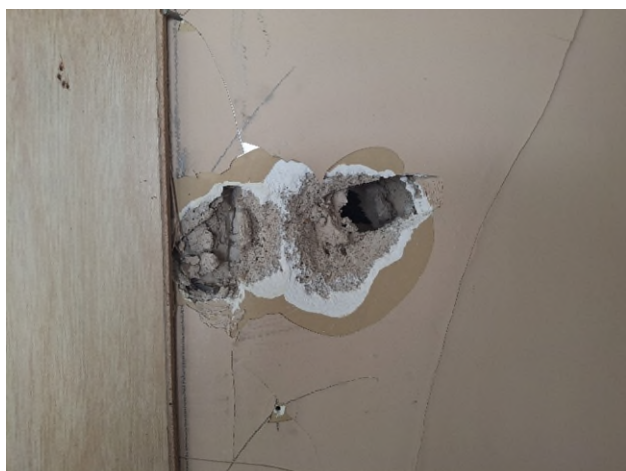
HA-20: Red Asphalt Shingles

No Photo Available



HA-22: White Popcorn Ceiling

HA-21: Brown Baseboard Heater Paper



HA-23: White Plaster Skimcoat
HA-24: Gray Plaster Basecoat



HA-25: Gray Concrete Foundation

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