

Illinois Department of Transportation

# Asbestos Abatement Survey

**Work Order No.: 36**

**Job Order No.: R-90-001-21**

**Route: IL 43**

**Parcel No.: 0N30001**

**6447 S. Old Harlem Avenue**

**Chicago, Cook County, IL 60638**

June 18, 2025

## Asbestos Abatement Survey

**Work Order No.: 36**

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**Route: IL 43**

**Parcel No.: 0N30001**

**6447 S. Old Harlem Avenue**

**Chicago, Cook County, IL 60638**

**June 18, 2025**

**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:**

30253552



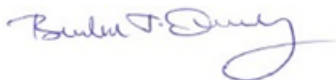
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Paul Hoffman  
Industrial Hygiene Specialist



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Katherine Challberg  
Senior Environmental Engineer / QA/QC



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Brendan J. Quealy  
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. 0N30001 located at 6447 S Old Harlem Avenue, Chicago, Cook County, Illinois (Site) in accordance with Work Order No. 36 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 improved with a split-level residential building with a lower level and partially finished sub-basement, constructed in 1992, and covering approximately 1,140 square feet (SF) above grade. A two-car detached garage with upper-level storage area is also present.

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 March 5, 2025, by Paul Hoffman of Arcadis U.S., Inc. and Patrick Hook of A3 Environmental LLC. (A3E), an Arcadis sub-consultant. Mr. Hook collected additional samples on April 17, 2025. 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 14 HAs from which 41 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 1-3.

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 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	N/A	N/A
Removal/disposal of assumed ACM	N/A	N/A
<b>Sub-Total Estimated Abatement Costs</b>	<b>N/A</b>	<b>N/A</b>
Contingency (15%)	N/A	N/A
<b>Total Estimated Abatement Costs</b>	<b>N/A</b>	<b>N/A</b>
ASBESTOS OVERSIGHT COSTS		
Item	Estimated Cost	Estimated Duration (Days)
Project Management/Coordination/Reporting	N/A	N/A
ACM Abatement Oversight (including equipment and analysis)	N/A	N/A
<b>Sub-Total Estimated Oversight Costs</b>	<b>N/A</b>	<b>N/A</b>
Contingency (15%)	N/A	N/A
<b>Total Estimated Oversight Costs</b>	<b>N/A</b>	<b>N/A</b>
<b>TOTAL ESTIMATED PROJECT COST (WITH 15% CONTINGENCY)</b>	<b>N/A</b>	<b>N/A</b>

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 # 36  
 6447 S Old Harlem Avenue, Chicago, Illinois

HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
1	Black Felt Paper under Wood Floor	Kitchen, Living Room, Hallway	1, 2, 3	Good	Non-Friable	ND	1,200	SF	
2	White 8" x 8" Stone Floor Tile Thinset	1st Floor Bathroom	4, 5, 6	Good	Non-Friable	ND	45	SF	
2Grout	White 8" x 8" Stone Floor Tile Grout	1st Floor Bathroom	4Grout, 5Grout, 6Grout	Good	Non-Friable	ND	45	SF	
3	White 6" x 8" Ceramic Wall Tile	1st Floor Bathroom and Basement	7, 8, 9	Good	Non-Friable	ND	90	SF	
3M	White 6" x 8" Ceramic Wall Tile Mastic	1st Floor Bathroom and Basement	7M, 8M, 9M	Good	Non-Friable	ND	90	SF	
3Grout	White 6" x 8" Ceramic Wall Tile Grout	1st Floor Bathroom and Basement	7Grout, 8Grout, 9Grout	Good	Non-Friable	ND	90	SF	
4	White 12" x 12" Ceramic Floor Tile Thinset	1st Floor Side Entrance Landing	10, 11, 12	Good	Non-Friable	ND	25	SF	
4Grout	White 12" x 12" Ceramic Floor Tile Grout	1st Floor Side Entrance Landing	10Grout, 11Grout, 12Grout	Good	Non-Friable	ND	25	SF	
5	Gray 12" x 12" Vinyl Stick-On Floor Tile	Basement	13, 14, 15	Good	Non-Friable	ND	300	SF	
6	White Joint Compound	1st Floor and Basement Walls and Ceilings	16, 17, 18, 19, 20	Good	Friable	ND	4,000	SF	
7	Black Asphalt Roof Shingle	House Roof	21, 22, 23	Good	Non-Friable	ND	1,200	SF	
8	Black Tar/Felt Paper under HA-7	House Roof	24, 25, 26	Good	Non-Friable	ND	1,200	SF	
9	Black Asphalt Roof Shingle	Garage Roof	27, 28, 29	Good	Non-Friable	ND	450	SF	
10	Black Tar/Felt Paper under HA-9	Garage Roof	30, 31, 32	Good	Non-Friable	ND	450	SF	
11	Gray Mortar on Fireplace	Basement	33, 34, 35	Good	Non-Friable	ND	80	SF	

HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
12	Gray Concrete Floor/Foundation	Basement	36, 37, 38	Good	Non-Friable	ND	1,000	SF	
13	Gypsum Board	1st Floor and Basement Walls and Ceilings	39, 40, 41	Good	Friable	ND	4,000	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

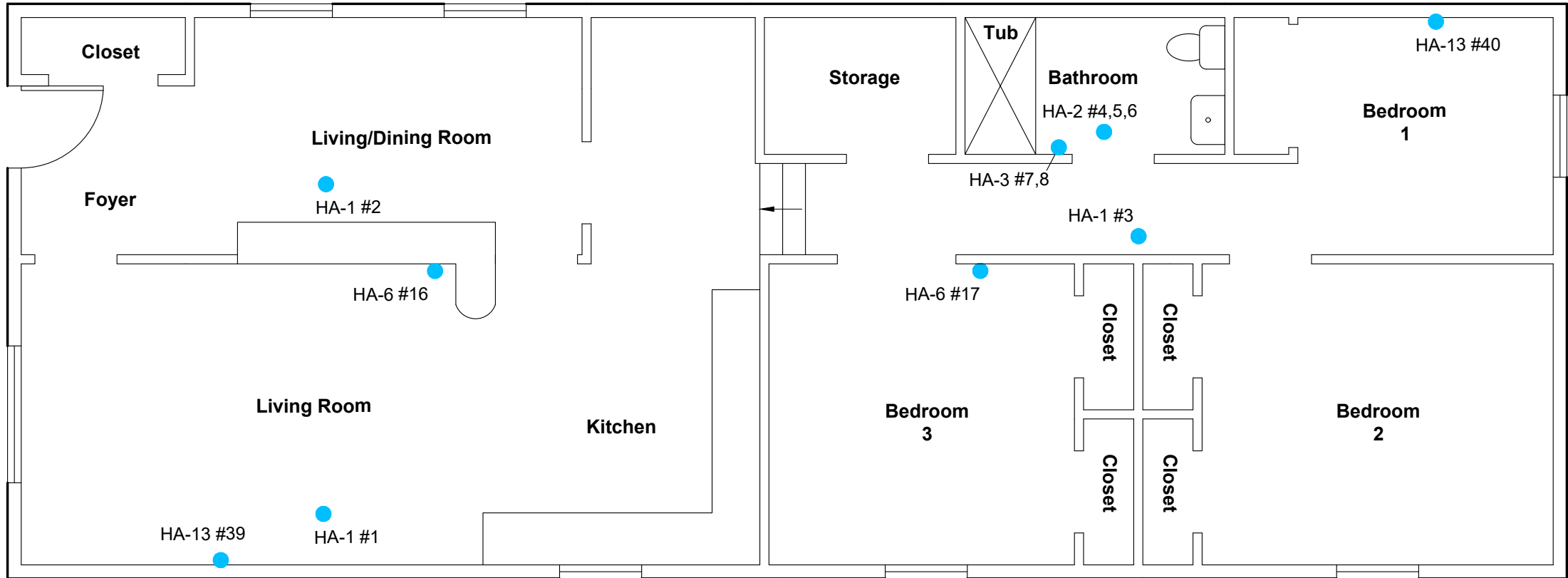
EA = Each

LF = Linear Foot

SF = Square Foot

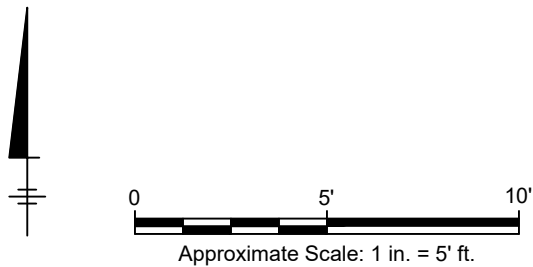
# Figures

1



ASBESTOS SAMPLE

BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.

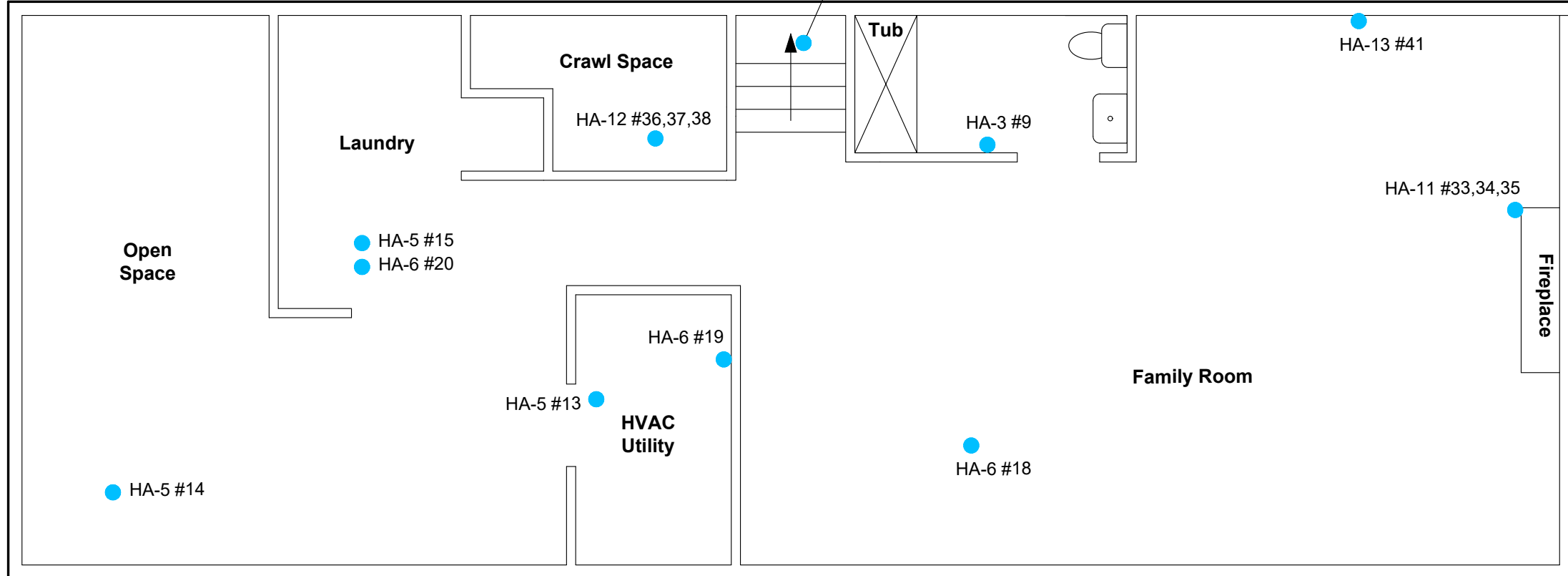


IDOT / Asbestos Surveys WO #036  
 Job No. R-90-001-21  
 Route IL 43 0N30001  
 6447 S Old Harlem Avenue  
 Chicago, Cook County, Illinois  
**ASBESTOS ABATEMENT SURVEY**

## SAMPLING LOCATIONS - FIRST FLOOR



FIGURE

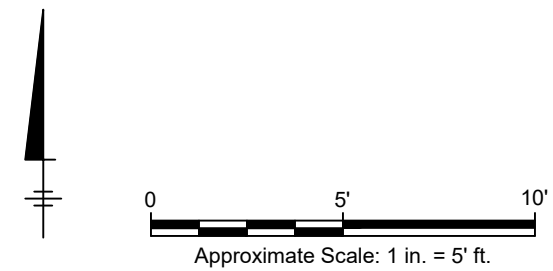


LEGEND

● ASBESTOS SAMPLE

NOTE

BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



IDOT / Asbestos Surveys WO #036  
Job No. R-90-001-21  
Route IL 43 0N30001  
6447 S Old Harlem Avenue  
Chicago, Cook County, Illinois  
**ASBESTOS ABATEMENT SURVEY**

## SAMPLING LOCATIONS - BASEMENT



FIGURE

# 3

# 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.

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# Appendix B

## Accreditations

Inspector

Laboratory



525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • [www.dph.illinois.gov](http://www.dph.illinois.gov)

**PATRICK W HOOK**  
2025 WOODLANE DR  
LINDENHURST, IL 60046

3/11/2024


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

		<b>ASBESTOS PROFESSIONAL LICENSE</b>		<b>ENDORSEMENTS</b>	<b>TC EXPIRES</b>
<b>ID NUMBER</b>	<b>ISSUED</b>	<b>EXPIRES</b>		INSPECTOR	1/12/2025
100 - 10967	3/11/2024	05/15/2025		PROJECT MANAGER	1/13/2025
<b>PATRICK W HOOK</b> 2025 WOODLANE DR LINDENHURST, IL 60046 Environmental Health			<b>Alteration of this license shall result in legal action</b> 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](http://dph.illinois.gov/topics-services/environmental-health-protection/asbestos)  
EMAIL Address: [dph.asbestos@illinois.gov](mailto:dph.asbestos@illinois.gov)



*This is to certify that*

**Paul J. Hoffman**

11 Precourt Lane, Norton, MA 02766

MA DLS Asbestos Inspector License# AI061473

*has completed requisite training by Video Conference, and has passed an examination for  
reaccreditation as:*

**Asbestos Inspector Refresher**

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Zoom Video Conference

Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

June 21, 2024

Course Dates

24-5332-106-213698

Certificate Number

June 21, 2024

Examination Date

June 21, 2025

Expiration Date



Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

**INSTITUTE FOR ENVIRONMENTAL EDUCATION**

United States Department of Commerce  
National Institute of Standards and Technology



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## Certificate of Accreditation to ISO/IEC 17025:2017

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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).*

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2024-07-01 through 2025-06-30

*Effective Dates*



A handwritten signature in blue ink, reading "Dana S. Laman".

---

*For the National Voluntary Laboratory Accreditation Program*

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**STAT Analysis Corporation**

Sterling Labs  
2242 W. Harrison St. Suite 200  
Chicago, IL 60612  
Carolyn Mazzuca  
Phone: 312-733-0551  
Email: cmazzuca@statanalysis.com

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101202-0**

**Bulk Asbestos Analysis**

**Code**

**Description**

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

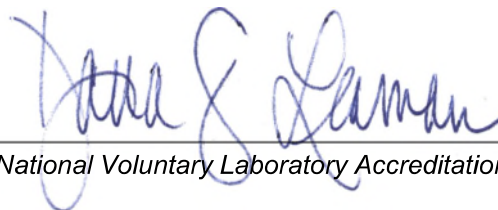
**Airborne Asbestos Analysis**

**Code**

**Description**

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/M4-82-020

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

Reference: 30253552 IDOT  
Location: 6447 S Old Harlem Ave Chicago, IL  
Batch No.: 374069  
Customer No.: 2530  
Date Received: 03/07/2025  
Date Analyzed: 03/11/2025  
Date Reported: 03/11/2025  
Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374069001	1	ND	Cellulose 10-15% Binder 85-90%
374069002	2	ND	Cellulose 10-15% Binder 85-90%
374069003	3	ND	Cellulose 10-15% Binder 85-90%
374069004	4	ND	Binder 99-100%
374069005	5	ND	Binder 99-100%
374069006	6	ND	Binder 99-100%
374069007	4Grout	ND	Binder 99-100%
374069008	5Grout	ND	Binder 99-100%
374069009	6Grout	ND	Binder 99-100%
374069010	7	ND	Binder 99-100%
374069011	8	ND	Binder 99-100%
374069012	9	ND	Binder 99-100%
374069013	7M	ND	Cellulose 1-5% Binder 95-99%
374069014	8M	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 :   
Zineb Nasri / Microscopist



# ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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

Reference:	30253552 IDOT	Date Received:	03/07/2025
Location:	6447 S Old Harlem Ave Chicago, IL	Date Analyzed:	03/11/2025
Batch No.:	374069	Date Reported:	03/11/2025
Customer No.:	2530	Turn Around Time:	5 Days


Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374069015	9M	ND	Cellulose 1-5% Binder 95-99%
374069016	7Grout	ND	Binder 99-100%
374069017	8Grout	ND	Binder 99-100%
374069018	9Grout	ND	Binder 99-100%
374069019	10	ND	Binder 99-100%
374069020	11	ND	Binder 99-100%
374069021	12	ND	Binder 99-100%
374069022	10Grout	ND	Binder 99-100%
374069023	11Grout	ND	Binder 99-100%
374069024	12Grout	ND	Binder 99-100%
374069025	13	ND	Binder 99-100%
374069026	14	ND	Binder 99-100%
374069027	15	ND	Binder 99-100%
374069028	16	ND	Cellulose 1-5% Binder 95-99%
374069029	17	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 :   
 Zineb Nasri / Microscopist

## ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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

Reference: 30253552 IDOT Date Received: 03/07/2025  
Location: 6447 S Old Harlem Ave Chicago, IL Date Analyzed: 03/11/2025  
Batch No.: 374069 Date Reported: 03/11/2025  
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374069030	18	ND	Cellulose 1-5% Binder 95-99%
374069031	19	ND	Cellulose 1-5% Binder 95-99%
374069032	20	ND	Cellulose 1-5% Binder 95-99%
374069033	21	ND	Binder 85-90% Glass 10-15%
374069034	22	ND	Binder 85-90% Glass 10-15%
374069035	23	ND	Binder 85-90% Glass 10-15%
374069036	24	ND	Cellulose 15-20% Binder 80-85%
374069037	25	ND	Cellulose 15-20% Binder 80-85%
374069038	26	ND	Cellulose 15-20% Binder 80-85%
374069039	27	ND	Binder 85-90% Glass 10-15%

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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## ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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

Reference: 30253552 IDOT  
Location: 6447 S Old Harlem Ave Chicago, IL  
Batch No.: 374069  
Customer No.: 2530  
Date Received: 03/07/2025  
Date Analyzed: 03/11/2025  
Date Reported: 03/11/2025  
Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374069040	28	ND	Binder 85-90% Glass 10-15%
374069041	29	ND	Binder 85-90% Glass 10-15%
374069042	30	ND	Cellulose 15-20% Binder 80-85%
374069043	31	ND	Cellulose 15-20% Binder 80-85%
374069044	32	ND	Cellulose 15-20% Binder 80-85%
374069045	33	ND	Binder 99-100%
374069046	34	ND	Binder 99-100%
374069047	35	ND	Binder 99-100%
374069048	36	ND	Binder 99-100%
374069049	37	ND	Binder 99-100%
374069050	38	ND	Binder 99-100%

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

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### CHAIN OF CUSTODY RECORD

Page : 1 of 4

Address: ARCADIS US  
225 W WACKER DRIVE

late, Zip. SUITE 2015 CHICAGO, IL

312-575-3718

MOBILE 630-803-5905

Alt. Fax: BRENDAN.QUELY@ARCADIS

Number: 3023552

Name: IDOT SURVEYS

Location: 6447 S OLD HARLEM AVE CHICAGO, IL

Manager: BRANDON QUEALY

Number: 30253552

Turn Around: Immediate: ☐ 4 Hrs: ☐ 8 Hrs: ☐ 24 Hrs: ☐ 1 Day: ☐ 2 Days: ☐ 3 Days: ☐ 5 Days: ☒

Note: Not all turn around times are available for all analysis.

**OFFICE USE ONLY BELOW:**

**Batch No.:**

374069

~~Same~~ Acceptable: Yes: ☐ No: ☐

Checked by (Initial/Date):

**Comments:**

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

Received by: Fedex - Date/Time: 3/7/25 9:05

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

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

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

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

[illegible]

Sample Number/Description:	Date Taken	Time		Rate (lpm)	Volume (Liters)	Area Wiped (ft <sup>2</sup> )	Laboratory Sample No.
		On	Off				
688	11/1						

SEE ATTACHED 3/5/25 BULK A SAMPLES

[illegible]

nts:

6447 S OLD HARLEM AVE CHICAGO, IL (38 SAMPLES)

Client:

IDOT

Building/Site No.:

6447

Project No.:

3023552

Address:

6447 SOLD HARLEM

Survey Date:

3/5/2025

Inspector:

PATRICK HOOK

374069

ARCADIS

Design & Consultancy  
for natural and  
built assets

HA	Sample Number	Material Type (Circle)	Color Texture	Material Description	Floor: B,1,Mezz, Ext,Roof	Sample Location	Condition G, D, SD	Friable Y / N	Quantity SF, DF, EA	Photo
1	1	(M, S, TSI)	BLACK	BLACK FELT	1	KITCHEN	G	N	1,200	
	2	Location:	FLR	PAPER UNDER	1	LIVING ROOM	↓	↓	↓	
	3	Ceiling, Wall, (Floor) Roof, Multiple, Shaftway, Other	(Floor)	WOOD FLOOR	1	HALLWAY	↓	↓	↓	

Mat. Location/PTY:

Notes:

2	4	(M, S, TSI)	GRAY	WHITE	1	BATHROOM 1 <sup>ST</sup> FLOOR	G	N	45 SF	
	5	Location:	FLR	8"x8" STONE	1	↓	↓	↓	↓	
	6	Ceiling, Wall, (Floor) Roof, Multiple, Shaftway, Other	(Floor)	FIT THINSET + GROUT	1	↓	↓	↓	↓	

Mat. Location/PTY:

Notes:

3	7	(M, S, TSI)	WHITE	WHITE 6"x8"	1	BATHRM 1 <sup>ST</sup> FLR-WALL	G	N	90	
	8	Location:	WALL	CERAMIC	1	↓	↓	↓	↓	
	9	Ceiling, Wall, (Floor) Roof, Multiple, Shaftway, Other	(Floor)	WALL TILE MASTIC + GROUT	1	↓ BASEMENT-WALL	↓	↓	↓ 90	

Mat. Location/PTY:

Notes:

4	10	(M, S, TSI)	WHITE	WHITE 12"x12"	1	SIDE ENTRANCE-LANDING	G	N	25 SF	
	11	Location:	FLR	CERAMIC FIT	1	↓	↓	↓	↓	
	12	Ceiling, Wall, (Floor) Roof, Multiple, Shaftway, Other	(Floor)	THINSET + GROUT	1	↓	↓	↓	↓	

Mat. Location/PTY:

Notes:

Client:

IDOT

Building/Site No.:

6447

Address:

6447 SOLD HARLEM AVE  
CHICAGO, IL

Project No.:

3023552

Survey Date:

3/5/2025

Inspector:

PATRICK HOOK

374069



ARCADIS

Engineering & Construction  
for natural and  
built assets

HA	Sample Number	Material Type (Circle)	Color Texture	Material Description	Floor: B,1,Mezz, Ext,Roof	Sample Location	Condition G, D, SD	Friable Y/N	Quantity SF, LF, EA	Photo
5	13	(M,S, TSI)	GRAY	GRAY	B	BASEMENT-LOWER LEVEL	G	N	300 SF	
	14	Location:	FLOOR	12"X12" VINYL	↓	↓	↓	↓	↓	
	15	Ceiling, Wall, Floor, Roof, Multiple, Shaftway, Other	(FLOOR)	STICK-ON FLOOR TILE	↓	↓	↓	↓	↓	
Mat. Location/QTY:										

Notes:

6	16	(M,S, TSI)	WHITE	JOINT COMPOUND WHITE	1	KITCHEN-WALL	G	Y	4,000	
	17	Location:	WALL		1	BED ROOM #3 - WALL	↓	↓	↓	
	18	Ceiling, Wall, Floor, Roof, Multiple, Shaftway, Other	(CEILING)		B	FAMILY RM - CEILING	↓	↓	↓	
	19				B	UTILITY CLOSET - WALL	↓	↓	↓	
	20				B	LAUNDRY RM - WALL	↓	↓	↓	

Notes:

7	21	(M), S, TSI	BLACK	ASPHALT ROOF SHINGLE	ROOF	HOUSE ROOF - N.W CORNER	G	N	1,200	
	22	Location:	ROOF		↓		↓	↓	↓	↓
	23	Ceiling, Wall, Floor, Roof	↓		↓		↓	↓	↓	
				Multiple, Shaftway, Other						
Mat. i										

Notes:

8	24	M, S, TSI	BLACK	TAR/FELT PAPER UNDER HA-7	ROOF	HOUSE ROOF - N.W CORNER	G	N	1,200 SF	
	25	Location:	ROOF		↓		↓	↓	↓	
	26	Ceiling, Wall, Floor, (Roof)								
		Multiple, Shaftway, Other								
Mat. Location/QTY:										

Notes:

Client:

IDOT

Building/Site No.: 6447

Address: 6447 S. OLD HARLEM AVE  
CHICAGO, IL

Project No.: 3023552

Survey Date: 3/5/2025

Inspector: PATRICK HOOK

374069

ARCADIS

Providing solutions  
for natural and  
built assets

HA	Sample Number	Material Type (Circle)	Color Texture	Material Description	Floor: B,1,Mezz, Ext,Roof	Sample Location	Condition G, D, SD	Friable Y/N	Quantity SF, LF, EA	Photo
9	27	(M) S, TSI	BLACK	ASPHALT	ROOF	GARAGE ROOF - N.W. CORNER	G	N	450 SF	
	28	Location: ROOF		ROOF	↓	↓	↓	↓		
	29	Ceiling, Wall, Floor, (Roof)		SHINGLE	↓	↓	↓	↓		
		Multiple, Shaftway, Other								
Mat. Location/QTY:										

Notes:

10	30	(M, S, TSI)	BLACK	TAR/FELT	ROOF	GARAGE ROOF - N.W. CORNER	G	N	450 SF	
	31	Location: ROOF		PAPER	↓	↓	↓	↓		
	32	Ceiling, Wall, Floor, (Roof)		UNDER	↓	↓	↓	↓		
		Multiple, Shaftway, Other		(HA-9)						
Mat. Location/QTY:										

Notes:

11	33	(M) S, TSI	GRAY	GRAY	FIRE	BASEMENT FIRE PLACE	G	N	80 SF	
	34	Location: CHIMNEY		MORTAR	PLACE	↓	↓	↓		
	35	Ceiling, Wall, Floor, Roof,		ON FIRE	↓	↓	↓	↓		
		Multiple, Shaftway, Other		PLACE						
Mat. Location/QTY:										

Notes:

12	36	(M) S, TSI	GRAY	GRAY CONCRETE	B	BASEMENT - STORAGE AREA	G	N	1,000 SF	
	37	Location: FLR		FLR/FOUNDATION	N B	↓	↓	↓		
	38	Ceiling, Wall, Floor, Roof,			B	↓	↓	↓		
		Multiple, Shaftway, Other								
Mat. Location/QTY:										

Notes:

**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: 30253552 Date Received: 04/17/2025  
Location: 6447 S. Old Harlem Avenue, Chicago, IL Date Analyzed: 04/22/2025  
Batch No.: 374526 Date Reported: 04/22/2025  
Customer No.: 2530 Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374526001	13-39	ND	Cellulose 5-10% Binder 90-95%
374526002	13-40	ND	Cellulose 5-10% Binder 90-95%
374526003	13-41	ND	Cellulose 5-10% Binder 90-95%

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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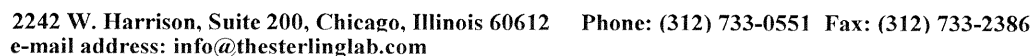
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Analyzed by Name :

Zineb Nasri / Microscopist

Date: 04/22/2025





## Page : 1 of 1

Comments: Email results to [brendan.quealy@arcadis.com](mailto:brendan.quealy@arcadis.com)

# Appendix D

## Photo Log



**Exterior of Building – Front**



**HA-1: Black Felt Paper under Wood Floor**



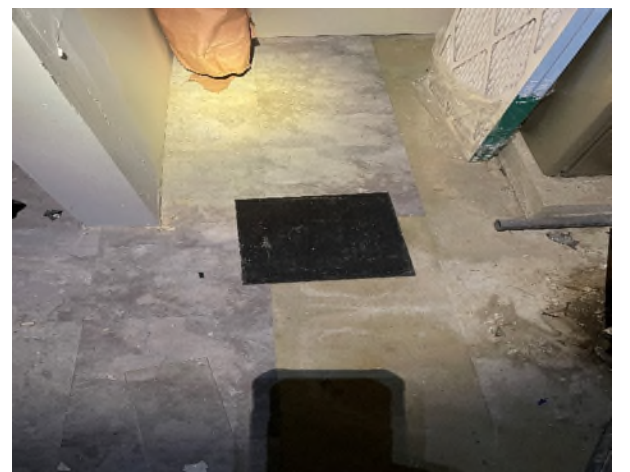
**HA-2: White 8” x 8” Stone Floor Tile Grout and Thin Set**



**HA-3: White 6” x 8” Ceramic Wall Tile Mastic and Grout**



**HA-4: White 12” x 12” Ceramic Floor Tile Thin Set and Grout**



**HA-5: Gray 12” x 12” Vinyl Stick-On Floor Tile**





**HA-6: White Joint Compound  
HA-13: Gypsum Board**



**HA-7: Black Asphalt Roof Shingle**



**HA-8: Black Tar/Felt Paper under HA-7**



**HA-9: Black Asphalt Roof Shingle  
HA-10: Black Tar/Felt Paper under HA-9**



**HA-11: Gray Mortar on Fireplace**



**HA-12: Gray Concrete Floor/Foundation**

Arcadis U.S., Inc.  
225 West Wacker Drive  
Suite 2015  
Chicago, Illinois 60606  
Phone: 312 917 1000  
[www.arcadis.com](http://www.arcadis.com)