

Illinois Department of Transportation

Asbestos Abatement Survey

Work Order No.: 36

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

Route: IL 43

Parcel No.: 0N30007

6449 S. Old Harlem Avenue

Chicago, Cook County, IL 60638

July 11, 2025

Asbestos Abatement Survey

Work Order No.: 36
Job Order No.: R-90-001-21
Route: IL 43
Parcel No.: 0N30007
6449 S. Old Harlem Avenue
Chicago, Cook County, IL 60638

July 11, 2025

Prepared By:

Arcadis U.S., Inc.
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Phone: 312 917 1000

Prepared For:

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

Our Ref:

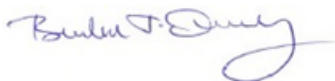
30253552



Anthony Spalla
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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. 0N30007 located at 6449 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 SF above grade. A two-car detached 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 May 15, 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 34 HAs from which 111 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 samples collected by Arcadis as part of the survey were reported by the laboratory to be ND = Asbestos Not Detected (Not Present).

No HAs were identified as assumed ACM.

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
Sub-Total Estimated Abatement Costs	N/A	N/A
Contingency (15%)	N/A	N/A
Total Estimated Abatement Costs	N/A	N/A
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
Sub-Total Estimated Oversight Costs	N/A	N/A
Contingency (15%)	N/A	N/A
Total Estimated Oversight Costs	N/A	N/A
TOTAL ESTIMATED PROJECT COST (WITH 15% CONTINGENCY)	N/A	N/A

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
 6449 S Old Harlem Avenue, Chicago, Illinois

HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
1	Beige 12" x 12" Ceramic Floor Tile	1st Floor Kitchen, Foyer	1A, 1B, 1C	Good	Non-Friable	NAD	184	SF	
2	Gray Grout associated with HA-1	1st Floor Kitchen, Foyer	2A, 2B, 2C	Good	Non-Friable	NAD	184	SF	
3	Gray Mortar associated with HA-1	1st Floor Kitchen, Foyer	3A, 3B, 3C	Good	Non-Friable	NAD	184	SF	
4	Beige & Brown 12" x 12" Ceramic Floor Tile	1st Floor Bathroom	4A, 4B, 4C	Good	Non-Friable	NAD	40	SF	
5	Gray Grout associated with HA-4	1st Floor Bathroom	5A, 5B, 5C	Good	Non-Friable	NAD	40	SF	
6	Dark Gray Adhesive associated with HA-4	1st Floor Bathroom	6A, 6B, 6C	Good	Non-Friable	NAD	40	SF	
7	Beige 12" x 6" Ceramic Wall Tile	1st Floor Bathroom	7A, 7B, 7C	Good	Non-Friable	NAD	81	SF	
8	White Grout associated with HA-7	1st Floor Bathroom	8A, 8B, 8C	Good	Non-Friable	NAD	81	SF	
9	Beige Adhesive associated with HA-7	1st Floor Bathroom	9A, 9B, 9C	Good	Non-Friable	NAD	81	SF	
10	Brown 12" x 12" Ceramic Floor Tile	Basement	10A, 10B, 10C	Good	Non-Friable	NAD	45	SF	
11	Brown Grout associated with HA-10	Basement	11A, 11B, 11C	Good	Non-Friable	NAD	45	SF	
12	Gray Adhesive associated with HA-10	Basement	12A, 12B, 12C	Good	Non-Friable	NAD	45	SF	

Table 1. Asbestos Homogeneous Areas Summary
 IDOT - Asbestos Abatement Survey
 WO # 36
 6449 S Old Harlem Avenue, Chicago, Illinois

HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
13	6" x 6" White Ceramic Floor Tile	Basement Bathroom	13A, 13B, 13C	Good	Non-Friable	NAD	40	SF	
14	Gray Grout associated with HA-13	Basement Bathroom	14A, 14B, 14C	Good	Non-Friable	NAD	40	SF	
15	White Adhesive associated with HA-13	Basement Bathroom	15A, 15B, 15C	Good	Non-Friable	NAD	40	SF	
16	White 6" x 6" Ceramic Wall Tile	Basement Bathroom	16A, 16B, 16C	Good	Non-Friable	NAD	81	SF	
17	Gray Grout associated with HA-16	Basement Bathroom	17A, 17B, 17C	Good	Non-Friable	NAD	81	SF	
18	Beige Adhesive associated with HA-16	Basement Bathroom	18A, 18B, 18C	Good	Non-Friable	NAD	81	SF	
19	Beige 12" x 12" Vinyl Floor Tile	Basement Open Space	19A, 19B, 19C	Good	Non-Friable	NAD	288	SF	
20	Gold Mastic associated with HA-19	Basement Open Space	20A, 20B, 20C	Good	Non-Friable	NAD	288	SF	
21	Brown and Black Asphalt Shingles	House Roof	21A, 21B, 21C	Good	Non-Friable	NAD	1,400	SF	
22	Tar Paper beneath HA-21	House Roof	22A, 22B, 22C	Good	Non-Friable	NAD	1,400	SF	
23	Red and Black Asphalt Shingles	Garage Roof	23A, 23B, 23C	Good	Non-Friable	NAD	500	SF	
24	Tar Paper beneath HA-23	Garage Roof	24A, 24B, 24C	Good	Non-Friable	NAD	500	SF	

Table 1. Asbestos Homogeneous Areas Summary
IDOT - Asbestos Abatement Survey
WO # 36
6449 S Old Harlem Avenue, Chicago, Illinois

HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
25	Brown Fiberboard Layer beneath Vinyl Siding	Garage Exterior	25A, 25B, 25C	Good	Non-Friable	NAD	680	SF	
26	Red Brick	House Exterior	26A, 26B, 26C	Good	Non-Friable	NAD	4,800	SF	
27	Brick Mortar	House Exterior	27A, 27B, 27C	Good	Non-Friable	NAD	4,800	SF	
28	Gray Cement Sealant at base of House	House Exterior	28A, 28B, 28C	Good	Non-Friable	NAD	100	LF	
29	Beige Fire Brick	Basement	29A, 29B, 29C	Good	Non-Friable	NAD	40	SF	
30	Gray Concrete Foundation	House Exterior	30A, 30B, 30C	Good	Non-Friable	NAD	2,200	SF	
31	Gypsum Board	Throughout House	31A, 31B, 31C, 31D, 31E, 31F	Good	Non-Friable	NAD	7,000	SF	
32	Joint Compound associated with HA-31	Throughout House	32A, 32B, 32C, 32D, 32E, 32F	Good	Non-Friable	NAD	7,000	SF	
33	Tape associated with HA-31	Throughout House	33A, 33B, 33C, 33D, 33E, 33F	Good	Non-Friable	NAD	7,000	SF	
34	Gray Floor Leveler	1st Floor Bathroom	34A, 34B, 34C	Good	Non-Friable	NAD	45	SF	Under HA-4

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

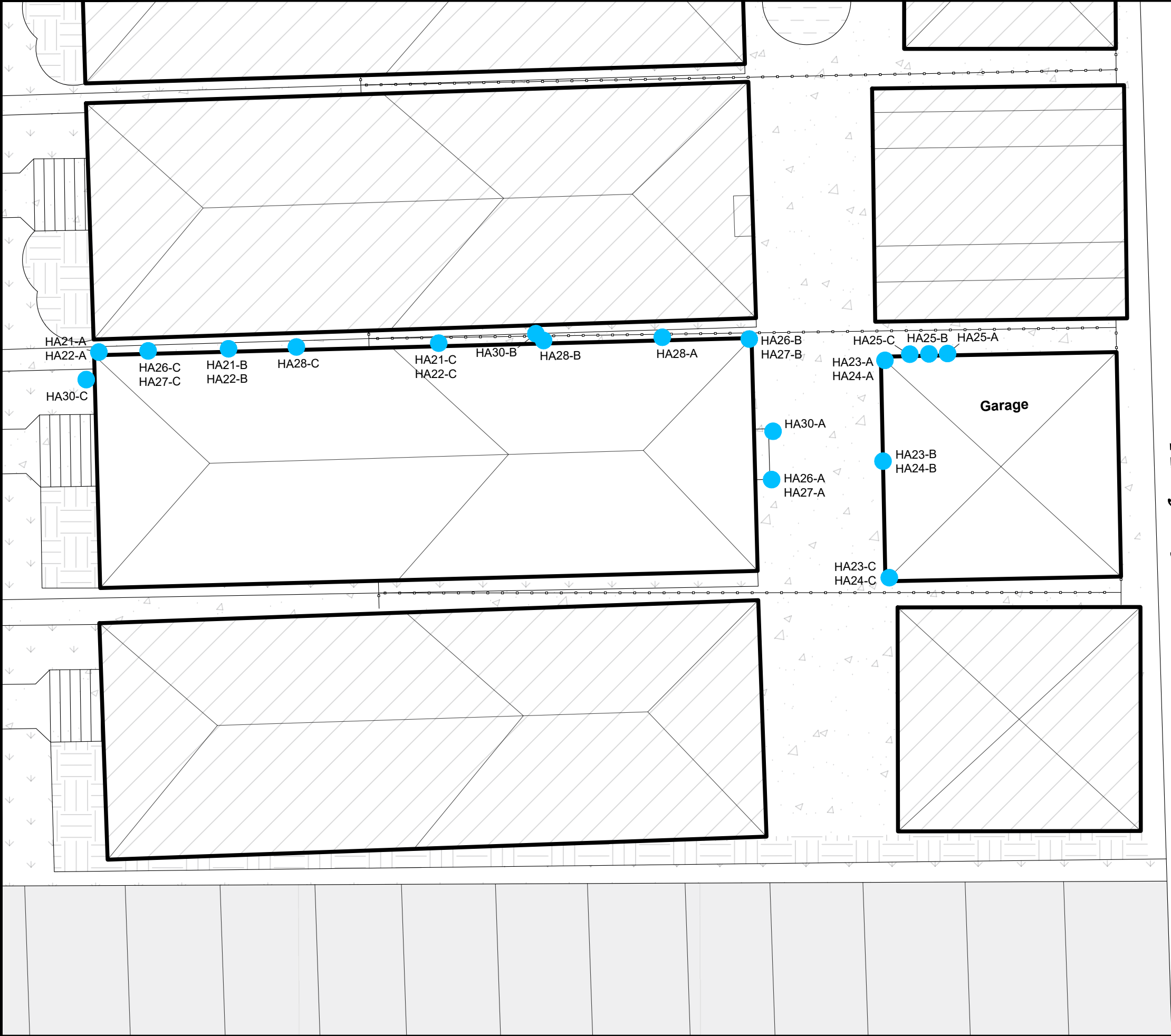
EA = Each

LF = Linear Foot

SF = Square Foot

Figures

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LEGEND
● ASBESTOS SAMPLE

NOTE
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.

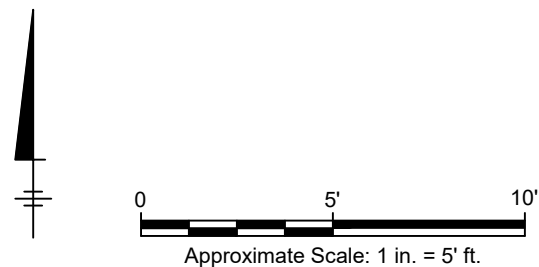
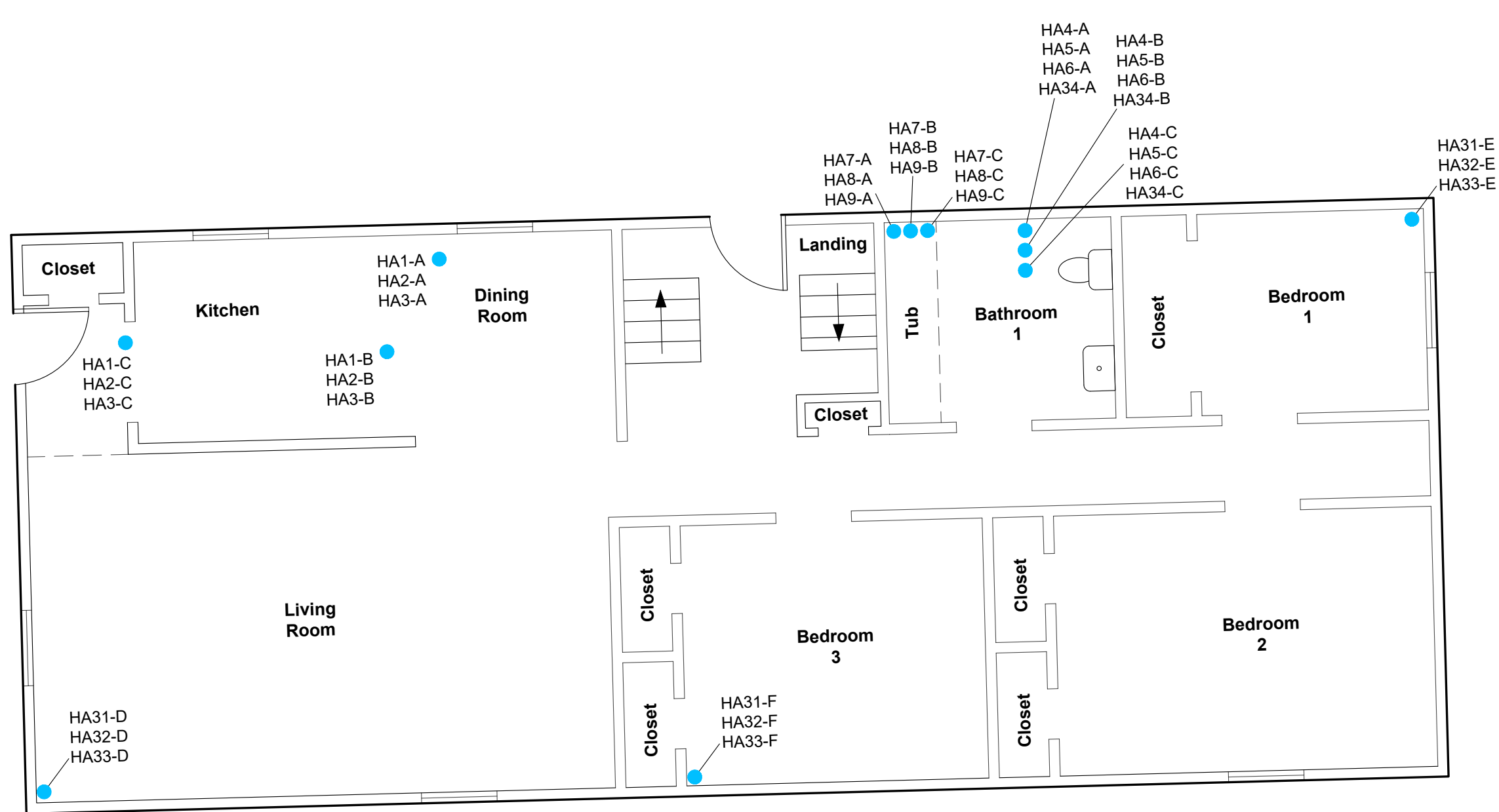



Approximate Scale: 1 in. = 10' ft.

IDOT / Asbestos Surveys WO #036
Job No. R-90-001-21
Route IL 43 0N30007
6449 S Old Harlem Avenue
Chicago, Cook County, Illinois
ASBESTOS ABATEMENT SURVEY

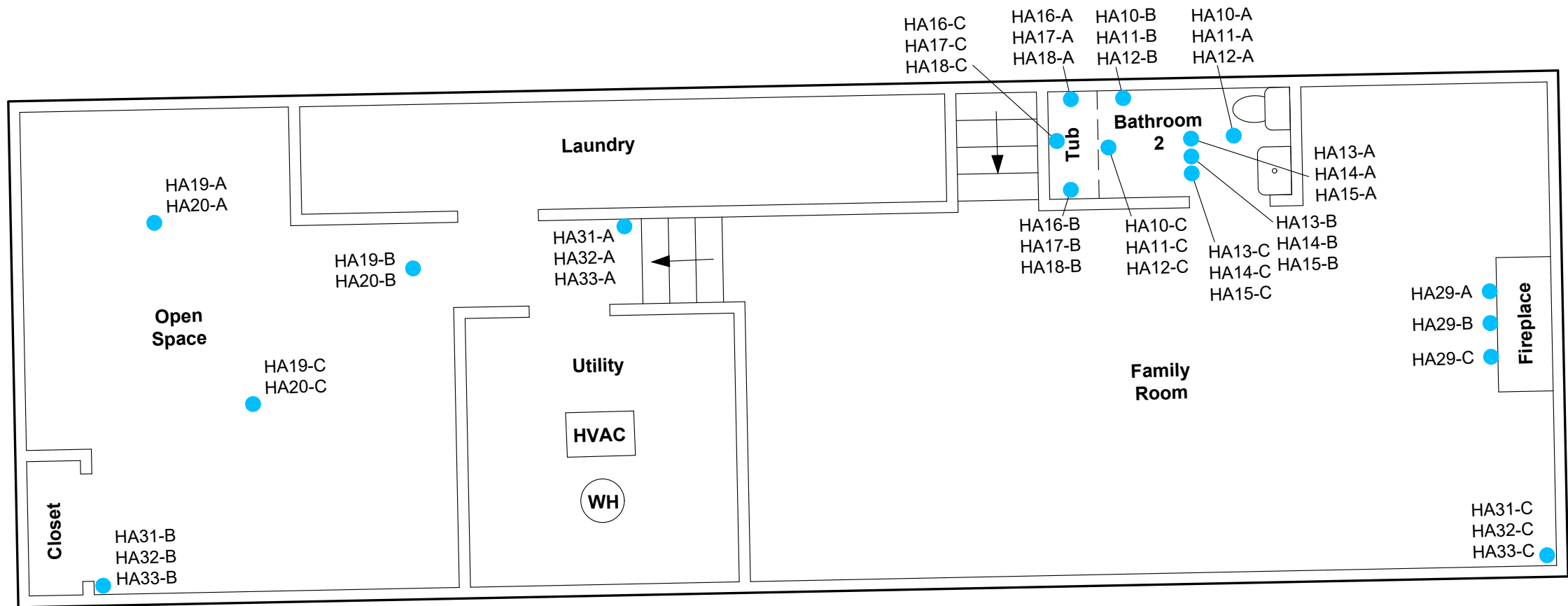
**SAMPLING LOCATIONS -
EXTERIOR**





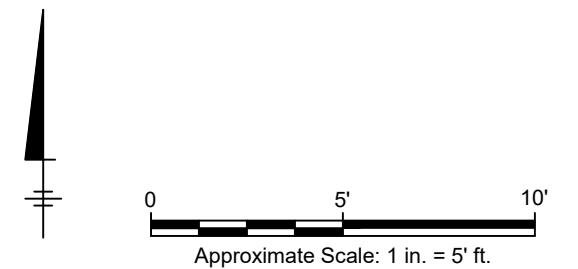
IDOT / Asbestos Surveys WO #036 Job No. R-90-001-21 Route IL 43 0N30007 6449 S Old Harlem Avenue Chicago, Cook County, Illinois ASBESTOS ABATEMENT SURVEY	
SAMPLING LOCATIONS - FIRST FLOOR	
	FIGURE 2

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LEGEND
● ASBESTOS SAMPLE

NOTE
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



IDOT / Asbestos Surveys WO #036
Job No. R-90-001-21
Route IL 43 0N30007
6449 S Old Harlem Avenue
Chicago, Cook County, Illinois
ASBESTOS ABATEMENT SURVEY

**SAMPLING LOCATIONS -
BASEMENT FLOOR**



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

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).*

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

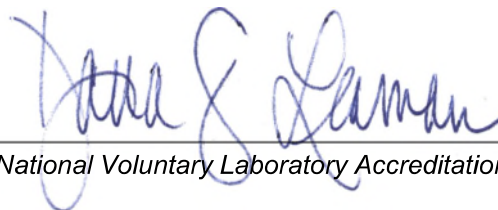
Airborne Asbestos Analysis

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 Date Received: 05/19/2025
 Location: WO #36, 6449 Old Harlem, Bedford Park Date Analyzed: 05/27/2025
 Batch No.: 374896 Date Reported: 05/27/2025
 Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896001	1A	ND	Binder 99-100%
374896002	1B	ND	Binder 99-100%
374896003	1C	ND	Binder 99-100%
374896004	2A	ND	Binder 99-100%
374896005	2B	ND	Binder 99-100%
374896006	2C	ND	Binder 99-100%
374896007	3A	ND	Binder 99-100%
374896008	3B	ND	Binder 99-100%
374896009	3C	ND	Binder 99-100%
374896010	4A	ND	Binder 99-100%
374896011	4B	ND	Binder 99-100%
374896012	4C	ND	Binder 99-100%
374896013	5A	ND	Binder 99-100%
374896014	5B	ND	Binder 99-100%
374896015	5C	ND	Binder 99-100%
374896016	6A	ND	Cellulose 15-20% Binder 80-85%

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).

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 Date Received: 05/19/2025
Location: WO #36, 6449 Old Harlem, Bedford Park Date Analyzed: 05/27/2025
Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896017	6B	ND	Cellulose 15-20% Binder 80-85%
374896018	6C	ND	Cellulose 15-20% Binder 80-85%
374896019	7A	ND	Binder 99-100%
374896020	7B	ND	Binder 99-100%
374896021	7C	ND	Binder 99-100%
374896022	8A	ND	Binder 99-100%
374896023	8B	ND	Binder 99-100%
374896024	8C	ND	Binder 99-100%
374896025	9A	ND	Cellulose 15-20% Binder 80-85%
374896026	9B	ND	Cellulose 15-20% Binder 80-85%
374896027	9C	ND	Cellulose 15-20% Binder 80-85%
374896028	10A	ND	Binder 99-100%
374896029	10B	ND	Binder 99-100%
374896030	10C	ND	Binder 99-100%

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 Date Received: 05/19/2025
Location: WO #36, 6449 Old Harlem, Bedford Park Date Analyzed: 05/27/2025
Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896031	11A	ND	Binder 99-100%
374896032	11B	ND	Binder 99-100%
374896033	11C	ND	Binder 99-100%
374896034	12A	ND	Binder 99-100%
374896035	12B	ND	Binder 99-100%
374896036	12C	ND	Binder 99-100%
374896037	13A	ND	Binder 99-100%
374896038	13B	ND	Binder 99-100%
374896039	13C	ND	Binder 99-100%
374896040	14A	ND	Binder 99-100%
374896041	14B	ND	Binder 99-100%
374896042	14C	ND	Binder 99-100%
374896043	15A	ND	Binder 99-100%
374896044	15B	ND	Binder 99-100%
374896045	15C	ND	Binder 99-100%
374896046	16A	ND	Binder 99-100%
374896047	16B	ND	Binder 99-100%
374896048	16C	ND	Binder 99-100%

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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 Date Received: 05/19/2025
Location: WO #36, 6449 Old Harlem, Bedford Park Date Analyzed: 05/27/2025
Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896049	17A	ND	Cellulose 1-5% Binder 95-99%
374896050	17B	ND	Cellulose 1-5% Binder 95-99%
374896051	17C	ND	Cellulose 1-5% Binder 95-99%
374896052	18A	ND	Cellulose 1-5% Binder 95-99%
374896053	18B	ND	Cellulose 1-5% Binder 95-99%
374896054	18C	ND	Cellulose 1-5% Binder 95-99%
374896055	19A	ND	Binder 99-100%
374896056	19B	ND	Binder 99-100%
374896057	19C	ND	Binder 99-100%
374896058	20A	ND	Cellulose 1-5% Binder 95-99%
374896059	20B	ND	Cellulose 1-5% Binder 95-99%

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Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896060	20C	ND	Cellulose 1-5% Binder 95-99%
374896061	21A	ND	Binder 85-90% Glass 10-15%
374896062	21B	ND	Binder 85-90% Glass 10-15%
374896063	21C	ND	Binder 85-90% Glass 10-15%
374896064	22A	ND	Cellulose 80-85% Binder 15-20%
374896065	22B	ND	Cellulose 80-85% Binder 15-20%
374896066	22C	ND	Cellulose 80-85% Binder 15-20%
374896067	23A	ND	Binder 85-90% Glass 10-15%
374896068	23B	ND	Binder 85-90% Glass 10-15%
374896069	23C	ND	Binder 85-90% Glass 10-15%

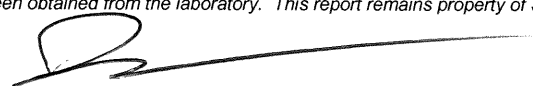
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Analyzed by Name :


Zineb Nasri / Microscopist

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

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Location: WO #36, 6449 Old Harlem, Bedford Park Date Analyzed: 05/27/2025
Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896070	24A	ND	Cellulose 80-85% Binder 15-20%
374896071	24B	ND	Cellulose 80-85% Binder 15-20%
374896072	24C	ND	Cellulose 80-85% Binder 15-20%
374896073	25A	ND	Cellulose 90-95% Binder 5-10%
374896074	25B	ND	Cellulose 90-95% Binder 5-10%
374896075	25C	ND	Cellulose 90-95% Binder 5-10%
374896076	26A	ND	Binder 99-100%
374896077	26B	ND	Binder 99-100%
374896078	26C	ND	Binder 99-100%
374896079	27A	ND	Binder 99-100%
374896080	27B	ND	Binder 99-100%
374896081	27C	ND	Binder 99-100%
374896082	28A	ND	Binder 99-100%

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Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896083	28B	ND	Binder 99-100%
374896084	28C	ND	Binder 99-100%
374896085	29A	ND	Binder 99-100%
374896086	29B	ND	Binder 99-100%
374896087	29C	ND	Binder 99-100%
374896088	30A	ND	Binder 99-100%
374896089	30B	ND	Binder 99-100%
374896090	30C	ND	Binder 99-100%
374896091	31A	ND	Cellulose 1-5% Binder 95-99%
374896092	31B	ND	Cellulose 1-5% Binder 95-99%
374896093	31C	ND	Cellulose 1-5% Binder 95-99%
374896094	31D	ND	Cellulose 1-5% Binder 95-99%
374896095	31E	ND	Cellulose 1-5% Binder 95-99%

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Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896096	31F	ND	Cellulose 1-5% Binder 95-99%
374896097	32A	ND	Cellulose 1-5% Binder 95-99%
374896098	32B	ND	Cellulose 1-5% Binder 95-99%
374896099	32C	ND	Cellulose 1-5% Binder 95-99%
374896100	32D	ND	Cellulose 1-5% Binder 95-99%
374896101	32E	ND	Cellulose 1-5% Binder 95-99%
374896102	32F	ND	Cellulose 1-5% Binder 95-99%
374896103	33A	ND	Cellulose 90-95% Binder 5-10%
374896104	33B	ND	Cellulose 90-95% Binder 5-10%
374896105	33C	ND	Cellulose 90-95% Binder 5-10%

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Analyzed by Name :

Zineb Nasri / Microscopist

Date: 05/27/2025

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

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Batch No.: 374896 Date Reported: 05/27/2025
Customer No.: 2530 Turn Around Time: 5 Days

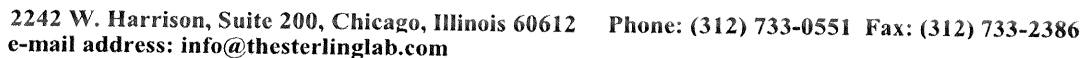
Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
374896106	33D	ND	Cellulose 90-95% Binder 5-10%
374896107	33E	ND	Cellulose 90-95% Binder 5-10%
374896108	33F	ND	Cellulose 90-95% Binder 5-10%
374896109	34A	ND	Cellulose 5-10% Binder 90-95%
374896110	34B	ND	Cellulose 5-10% Binder 90-95%
374896111	34C	ND	Cellulose 5-10% Binder 90-95%

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Page : of

Comments: please email results to Brendan. O'neale@oread.5.com

374896

Client/Project

Site Address:

Project Number:

IDOT W0#36

Survey Date(s):

5/15/2025

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	12X12 Ceramic Floortile	1st	Kitchen, N corner	Kitchen, Foyer	G	N	184 ft ²	1
	B	S				Middle	S		S			
	C	S				Foyer West Kitchen Side	S		S			
Comment / Notes:												
2	A	M	Gray	Rough	Grout assoc. w/ HA-1	1st	Kitchen	Kitchen, Foyer	G	N	184 ft ²	2
	B	S					S		S			
	C	S				Foyer Kitchen	S		S			
Comment / Notes:												
3	A	M	Gray	Rough	Adhesive assoc. w/ HA-1	1st	Kitchen	Kitchen, Foyer	G	N	184 ft ²	3
	B	S					S		S			
	C	S				Foyer Kitchen	S		S			
Comment / Notes:												
4	A	M	Beige + Brown	Smooth	12X12 Ceramic Floor tile	1st	Bathroom Middle	Bathroom	G	N	40 ft ²	4
	B	S					S		S			
	C	S					S		S			
Comment / Notes:												
5	A	M	Gray	Rough	Grout assoc. w/ HA-4	1st	Bathroom Middle	Bathroom	G	N	40 ft ²	5
	B	S					S		S			
	C	S					S		S			
Comment / Notes:												
Comment / Notes:												
6	A	M	Dark Gray	Rough	Adhesive assoc. w/ HA-4	1st	Bathroom Middle	Bathroom	G	N	40 ft ²	6
	B	S					S		S			
	C	S					S		S			
Comment / Notes:												

Rec: M. Webb 5/19/25 3:34 PM

374896

Client/Project

IDOT W/O #30

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	M	Beige	Smooth	12x6 Ceramic Floor tile wall	1st	North Wall	Bathroom	G	N	81 ft ²	7
	B	S				2nd			S	S		
	C	S				S			S	S		
Comment / Notes:												
8	A	M	White	Rough	Grout assoc. w/ HA-7	1st	North Wall	Bathroom	G	N	81 ft ²	8
	B	S				2nd			S	S		
	C	S				S			S	S		
Comment / Notes												
9	A	M	Beige	Rough	Adhesive assoc. w/ HA-7	1st	North Wall	Bathroom	G	N	81 ft ²	9
	B	S				2nd			S	S		
	C	S				S			S	S		
Comment / Notes												
10	A	M	Brown	Smooth	12x12 Ceramic Floor tile	B	East North Side	Basement	G	N	45 ft ²	10
	B	S				S	North Side		S	S		
	C	S				S	West Side		S	S		
Comment / Notes												
11	A	M	Brown	Rough	Grout assoc. w/ HA-10	B		Basement	G	N	45 ft ²	11
	B	S				S			S	S		
	C	S				S			S	S		
Comment / Notes												
Comment / Notes												
12	A	M	Gray	Rough	Adhesive assoc. w/ HA-10	B		Basement	G	N	45 ft ²	12
	B	S				S			S	S		
	C	S				S			S	S		
Comment / Notes												

Rev: Mirambet 5/19/25 3:34 PM

374896

Client/Project

Site Address:

Project Number:

IOT WO#36

Survey Date(s):

Inspector:



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 #
13	A	M	white	Smooth	6x6 Ceramic Floor tile	B	Middle	Basement	G	N	40 ft ²	13
	B	S					S	Bathroom	S	S		
	C											
Comment / Notes:												
14	A	M	Gray	Rough	Grout assoc. w/ HA-13	B		Basement	G	N	40 ft ²	14
	B	S					S	Bathroom	S	S		
	C											
Comment / Notes												
15	A	M	white	Rough	Adhesive assoc. w/ HA-14	B		Basement	G	N	40 ft ²	15
	B	S					S	Bathroom	S	S		
	C											
Comment / Notes												
16	A	M	white	Rough	6x6 Ceramic wall tile	B	North Wall	Basement	G	N	81 ft ²	16
	B	S				West wall		S	S			
	C					South Wall	Bathroom	S	S			
Comment / Notes												
17	A	M	Gray	Rough	Grout assoc. w/ HA-14	B		Basement	G	N	81 ft ²	17
	B	S					S	Bathroom	S	S		
	C											
Comment / Notes												
Comment / Notes												
18	A	M	Beige	Rough	Adhesive assoc. w/ HA-14	B		Basement	G	N	81 ft ²	18
	B	S					S	Bathroom	S	S		
	C											
Comment / Notes												

Rec: Miranda Pody/HA 5/19/25 3:34 PM

374896

Client/Project

IDOT Wb#36

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 #
19	A	M	Beige	Smooth	12x12 Vinyl Floor tile	B	South Side	Basement/ open space	G	N	288 ft ²	19
	B	S				S	North Side		S	S		
	C	S				S	East Side		S	S		
Comment / Notes:												
20	A	M	Gold	Rough	Mastic assoc. w/HA-19	B	S	Basement/ open space	G	N	288 ft ²	20
	B	S				S			S	S		
	C	S				S			S	S		
Comment / Notes												
21	A	M	Brown + Black	Rough	Asphalt Shingles	Roof	North West corner	Roof of House	G	N	1,400 ft ²	21
	B	S				S	North side		S	S		
	C	S				S	North East corner		S	S		
Comment / Notes												
22	A	M	Black	Smooth	Tar Paper assoc. w/HA-21	Roof	S	Roof of House	G	N	1,400 ft ²	22
	B	S				S			S	S		
	C	S				S			S	S		
Comment / Notes												
23	A	M	Red + Black	Rough	Asphalt Shingles	Roof	Northwest corner	Roof of Garage	G	N	500 ft ²	23
	B	S				S	West side		S	S		
	C	S				S	Southwest corner		S	S		
Comment / Notes												
Comment / Notes												
24	A	M	Black	Smooth	Tar Paper assoc. w/HA-22	Roof	S	Roof of Garage	G	N	500 ft ²	24
	B	S				S			S	S		
	C	S				S			S	S		
Comment / Notes												

Rec'd M. Zamboni 5/19/25 3:34 PM

374896

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 #
25	A	M	Brown	Rough	Fiberboard layer under Vinyl Siding	Ext.	}	Garage Siding	G	N	680 ft ²	25
	B	S				S			S			
	C	S				S			S			
Comment / Notes:												
26	A	M	Red	Rough	Brick assoc. w/ House	Ext.	Chimney East side	Ext. of House	G	N	4,800 ft ²	26
	B	S				S	Northeast corner		S	S		
	C	S				S	Northwest corner		S	S		
Comment / Notes												
27	A	M	Gray	Rough	Mortar assoc. w/ HA-26	Ext.	}	Ext. of House	G	N	4,800 ft ²	27
	B	S				S			S	S		
	C	S				S			S	S		
Comment / Notes												
28	A	M	Gray	Rough	Cement Sealant assoc. w/ Base of House	Ext.	Northwest corner	Ext. of House	G	N	100 LF	28
	B	S				S	North side		S	S		
	C	S				S	Northwest corner		S	S		
Comment / Notes												
29	A	M	Beige	Rough	Fire Brick assoc. with Fire place	Ext. B	Fireplace	Basement	G	N	40 ft ²	29
	B	S				S	S		S			
	C	S				S	S		S			
Comment / Notes												
Comment / Notes												
30	A	M	Gray	Rough	Concrete Foundation	Ext.	Back Yard	Foundation of House	G	N	2,200 ft ²	30
	B	S				S	Sidewalk East side		S	S		
	C	S				S	Front Yard Sidewalk		S	S		
Comment / Notes												

Rec: Miran Padgett 5/19/15 3:34 pm

374896

IDOT WO #36

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 #
31	A	M	White	Rough	Gypsumboard	B	Middle of Hallway	Throughout	D	N	2,000 sq ft	31
	B	S				SW corner of Open Space	House	S	S			
	C	S				SE Corner of Family Room						
Comment / Notes:												
31	D	M	White	Rough	Gypsumboard	1st	Southwest corner of living room	Through out	G	N		31
	E	S				NE corner of bedroom 1	House	S	S			
	F	S				SW corner of bedroom 3						
Comment / Notes												
32	A	M	White	Rough	Joint compound assoc. w/ HA-31	B	Middle of Hallway	Through out	D	N		32
	B	S				SW corner of Open Space	House	S	S			
	C	S				SE Corner of Family Room						
Comment / Notes												
32	D	M	White	Rough	Joint Compound assoc. w/ HA-31	1st	SW corner of living room	Through out	G	N		32
	E	S				NE corner of bedroom 1	House	S	S			
	F	S				SW corner of bedroom 3						
Comment / Notes												
33	A	M	Beige	Smooth	Tape assoc. w/ HA-31	B	Middle of Hallway	Through out	D	N		33
	B	S				SW corner of Open Space	House	S	S			
	C	S				SE Corner of Family Room						
Comment / Notes												
Comment / Notes												
33	D	M	Beige	Smooth	Tape assoc. w/ HA-31	1st	SW Corner of living room	Through out	G	N		33
	E	S				NE corner of bedroom 1	House	S	S			
	F	S				SW corner of bedroom 3						
Comment / Notes												

Rec: Miranba Padgett 5/17/23 3:34 PM

374896

IDOT Wa#36

Client/Project

Site Address:

Project Number:

Survey Date(s):

Inspector:



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 #	
34	A B C	M S	Gray	Rough	Floor leveler assoc. w/ HA-4	1st S	Middle S	Bathroom	G S	N S	45ft ²	34
Comment / Notes: under HA-6												
Comment / Notes												
Comment / Notes												
Comment / Notes												
Comment / Notes												
Comment / Notes												
Comment / Notes												

Rec: Miranda Pedraza 5/19/25 3:34 PM

Appendix D

Photo Log



Exterior of Building – Front



Exterior of Garage



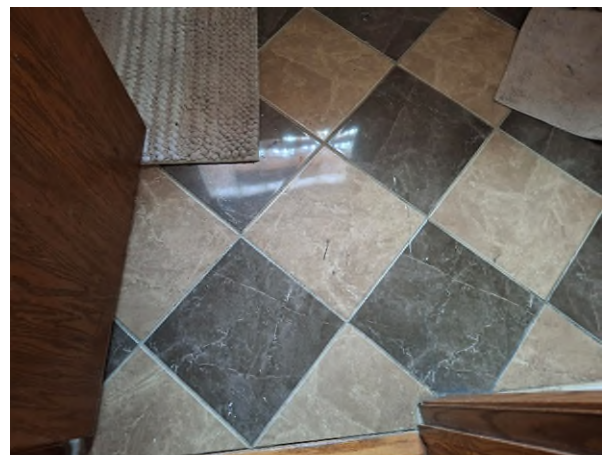
HA-1: 12" x 12" Beige Ceramic Floor Tile



HA-2: Gray Grout associated with HA-1



HA-3: Gray Adhesive associated with HA-1



HA-4: Beige and Brown 12" x 12" Ceramic Floor Tile



HA-5: Gray Grout associated with HA-4



HA-6: Dark Gray Adhesive associated with HA-4



HA-7: Beige 12" x 6" Ceramic Wall Tile



HA-8: White Grout associated with HA-7



HA-9: Beige Adhesive associated with HA-7



HA-10: Brown 12" x 12" Ceramic Floor Tile



HA-11: Brown Grout associated with HA-10



HA-12: Gray Adhesive associated with HA-10



HA-13: White 6" x 6" Ceramic Floor Tile



HA-14: Gray Grout associated with HA-13



HA-15: White Adhesive associated with HA-16



HA-16: White 6" x 6" Ceramic Wall Tile



HA-17: Gray Grout associated with HA-16



HA-18: Beige Adhesive associated with HA-16



HA-19: Beige 12" x 12" Vinyl Floor Tile



HA-20: Gold Adhesive associated with HA-19



HA-21: Brown and Black Asphalt Shingles



HA-22: Black Tar Paper associated with HA-21



HA-23: Red and Black Asphalt Shingles



HA-24: Black Tar Paper associated with HA-23



HA-25: Brown Fiberboard under Vinyl Siding



HA-26: Red Brick



HA-27: Gray Mortar associated with HA-26



HA-28: Gray Cement Sealant at Base of House



HA-29: Beige Fire Brick



HA-30: Gray Concrete Foundation



HA-31: Gypsum Board



HA-32: Joint Compound



HA-33: Tape associated with HA-31



HA-34: Gray Floor Leveler beneath HA-4

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