

ASBESTOS SURVEY REPORT

PTB 196-032

Asbestos Survey for Building Demolition (I-80)

609 Des Plaines Street, Joliet, Illinois

Region One/District One

Prepared for:



**Illinois Department of Transportation
District 1**

Submitted to:

**WSP USA
30 N. LaSalle Street
Chicago, IL, 60602**

Prepared by:



February 3, 2025



February 3, 2025


David Skaleski, P.E.
Project Manager
WSP USA
30 N. LaSalle Street, Suite 4200
Chicago, Illinois 60602


Asbestos Survey Report
PTB 198-003
FAI-80 (I-80) over Des Plaines River Bridge
Job N. D-91-204-19
609 Des Plaines Street, Joliet, IL
Parcel No. 1P10152

Dear Mr. Skaleski:

GSG Consultants Inc has conducted an Asbestos Survey for the above referenced property in accordance with our contractual agreement. The report provides a description of the site, survey methodology, analytical results, abatement cost estimates, and recommendations.

Should you have any questions or require additional information, please call us at 630-994-2600.

Prepared by:  February 3, 2025
Erin Pahomi
Asbestos Building Inspector
Inspector License No: 100-20674
Date

Reviewed By:  February 3, 2025
Thaddeus Cagney, LPG
Senior Project Manager
Date


QA Manager:  February 3, 2025
Ala E Sassila, Ph.D., PE
Date



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ACRONYMS AND ABBREVIATIONS

ACM	Asbestos-Containing Materials
ACBM	Asbestos-Containing Building Materials
AHERA	Asbestos Hazard Emergency Response Act
CFR	Code of Federal Regulations
COC	Chain of Custody
GSG	GSG Consultants, Inc.
IDOT	Illinois Department of Transportation
IDPH	Illinois Department of Public Health
NESHAP	National Emissions Standards for Hazardous Air Pollutant
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PLM	Polarized Light Microscopy
RACM	Regulated Asbestos-Containing Material
TSI	Thermal System Insulation
USEPA	United States Environmental Protection Agency



SURVEY SUMMARY

SITE INFORMATION			
FAP Route:	FAI-80 (I-80)	Address:	609 Des Plaines Street
County:	Will	City, State, Zip	Joliet, IL 60433
Section:	N/A	Property Type:	Single-Family Residential
IDOT Job No.	D-91-204-19	Construction Date:	N/A
Parcel No.	1P10152	Building Size:	800 SF

ASBESTOS CONTAINING MATERIALS	
Survey Date:	January 9, 2025
Weather Conditions:	20°F, Cloudy
By Whom: Firm: Inspector: IDPH License No.	GSG Consultants, Inc Safdar Azeem 100-10351
Results:	Number of Material Types Sampled <u>18</u> Number of Samples Collected: <u>54</u> Number of Materials Tested Positive: <u>1</u> Was Friable ACM Found? <u>Yes</u> Were Roofing Materials Sampled? <u>Yes</u> Are There Unique State or Local Requirements? <u>No</u>
Laboratory Used:	Name: Sterling Labs Address: 2242 W. Harrison Street, Chicago, Illinois NVLAP: 101202-0
Building Access Limitations:	None

ASBESTOS-CONTAINING MATERIALS (ACM) SURVEY RESULTS:

**Parcel No. 1P10152
Residential Property
609 Des Plaines Street, Joliet, Illinois**

Table 1 provides a list of the homogeneous building material types that were sampled as part of the asbestos survey and the laboratory testing results.

HA No.	Material Description	Location	Type ⁽¹⁾	Condition	Friable	% Asbestos*	# of Samples	Estimated Quantity ⁽²⁾
1	Drywall System, Green	Bedroom 1	Misc.	Good	No	ND	3	N/A
2	Drywall System, white	Living Room	Misc.	Good	No	ND	3	N/A
3	18"X18" Ceramic Tile Grout/Mortar, Pink	Throughout	Misc.	Good	No	ND	3	N/A
4	Drywall System, Brown	Bedroom #2	Misc.	Good	No	ND	3	N/A
5	4"X4" White Ceramic Tile Grout/Mortar	Bathroom	Misc.	Good	No	ND	3	N/A
6	Leveling Compound, Black	Basement Stairs	Misc.	Significantly Damaged	No	ND	3	N/A
7	8" Pipe/Duct Wrap	Basement	TSI	Good	Yes	10-15% Chrysotile	3	10 SF
8	Plaster, Grey	Basement	Surf.	Good	No	ND	3	N/A
9	Exterior Siding, Black/Brown	Under Aluminum Siding, Exterior (House)	Misc.	Good	No	ND	3	N/A
10	Roof Shingle #1	Roof (House)	Misc.	Good	No	ND	3	N/A
11	Roof Shingle #2	Roof (House)	Misc.	Good	No	ND	3	N/A
12	Roof Shingle #3	Roof (House)	Misc.	Good	No	ND	3	N/A
13	Tar Paper, Black	Roof (House)	Misc.	Good	No	ND	3	N/A
14	Shingle #1, Black/Red	Detached Garage, Roof	Misc.	Good	No	ND	3	N/A
15	Detached Garage Shingle #2, Black/Brown	Detached Garage, Roof	Misc.	Good	No	ND	3	N/A



Asbestos Survey Report

Survey Summary

609 Des Plaines Street, Joliet, IL

HA No.	Material Description	Location	Type ⁽¹⁾	Condition	Friable	% Asbestos*	# of Samples	Estimated Quantity ⁽²⁾
16	Detached Garage Tar Paper, Black	Detached Garage Roof	Misc.	Good	No	ND	3	N/A
17	Detached Garage Siding, Black	Detached Garage, Siding, Exterior	Misc.	Good	No	ND	3	N/A
18	Mortar, Grey	Exterior House	Misc.	Good	No	ND	3	N/A
Total Estimated Quantity of ACM								10 SF

(1) TSI= Thermal System Insulation, Surf. = Surfacing Material, and Misc. = Miscellaneous.

(2) Quantities are estimates only, all quantities must be field verified.

1.0 INTRODUCTION

GSG Consultants Inc. (GSG) conducted an Asbestos Survey at Parcel No. 1P10152 located at 609 Des Plaines Street in Joliet, Illinois. The site is improved with a one-story, single-family house with an attic, an unfinished basement, and a detached garage. The house is approximately 800 square feet in size with an asphalt shingled roof. The interior walls and ceilings are drywall and plaster, and the floors are ceramic tile. The building exterior is masonry and aluminum over wood siding.

GSG conducted the asbestos survey to satisfy requirements of the United States Environmental Protection Agency (USEPA) regulations under 40 CFR Part 61, Subpart M of the National Emission Standards for Hazardous Air Pollutants (NESHAP) and applicable state and local 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.

The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during GSG's survey of the project area. The information contained in this report represents conditions at the time of the survey and may not accurately represent conditions at a later date. The conclusions in this report are based on conditions observed in accessible areas of the project area. The possibility exists that suspect hazardous building materials or conditions may exist within wall cavities, voids, or other areas hidden from view which were not observed and cannot be ruled out. Any additional potential hazardous building materials encountered that will be disturbed during the demolition activities and that differ from the materials assessed during this survey, were hidden from view, or were located in an area not accessible will require further sampling and analysis prior to disturbance. The estimated quantities provided herein should be considered approximate and are accurate to the extent allowable under the terms and conditions of our contract. This report has been prepared with generally accepted industry practices and procedures. No other warranty, either expressed or implied, is made.

The investigation did not include access or inspection of confined spaces, underground piping, conduits, and building footings, if any. Materials associated with electrical components and energized equipment were not safely accessible and were not sampled.

2.0 SURVEY METHODOLOGY

The asbestos survey was conducted 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. NESHAP regulations defined regulated asbestos-containing material (RACM) as a friable asbestos material, a Category I non-friable ACM that has become friable, a Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces acting on it during demolition or renovation. The materials were then classified with regard to whether they are friable or non-friable and classified as Class I or Class II non-friable materials, using the following definitions.

- **Friable:** NESHAP defines a friable ACM as any material containing more than one percent (1%) asbestos, which, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously non-friable material where previously non-friable material becomes damaged to the extent that it may be crumbled, pulverized, or reduced to powder by hand pressure.
- **Category I Non-friable ACM:** NESHAP defines a Category I non-friable ACM as packing, gaskets, resilient floor covering (except vinyl sheet flooring products that are considered friable), and asphalt roofing products that contain more than one (1) percent asbestos as determined using the method specified in **Appendix A**, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy
- **Category II Non-friable ACM:** means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in **Appendix A**, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

The survey consisted of three major activities: visual inspection, sampling, and quantification of building materials. A brief description of each of the above elements is provided in the following sections.

2.1 Visual Inspection

The inspector conducted an initial building walkthrough to determine the presence and condition of suspect asbestos-containing materials (ACMs) that were accessible and/or exposed. The survey consisted of accessing accessible areas of the buildings to identify and quantify regulated RACM. The inspector identified homogeneous areas (HA) comprised of building materials that appear similar throughout in terms of color and texture and assumed date of installation. Materials that were similar in general appearance were grouped into homogeneous sampling areas. Following the EPA inspection protocol, each identified suspect homogeneous material was placed in one of the following EPA classifications:

1. Surfacing Materials (spray or trowel applied to building members)
2. Thermal System Insulation (materials generally applied to various mechanical systems)
3. Miscellaneous Materials (any materials which do not fit either of the above categories)

2.2 Sampling procedures

The asbestos inspector collected a representative number of samples from each HA. Building materials identified as concrete (not including cement panels or pipe and soft concrete), glass (including fiberglass), wood, masonry, metal, and plastic are not considered suspect ACM and were not sampled. The survey included destructive, intrusive, and/or exploratory testing unless specifically prohibited by IDOT. Destructive sampling is performed to identify materials that are concealed or obstructed. Concealed 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. Bulk samples of suspect ACM were collected in general accordance with Asbestos Hazard Emergency Response Act (AHERA) sampling protocols, based on the results of the visual observation. Random samples of suspect materials were collected of each HA.

A total of 54 bulk samples of suspect ACM, three (3) samples for each of the 18 homogeneous areas, were collected from various homogeneous areas of the buildings. Bulk samples were collected from the following materials/homogeneous area(s):

- Drywall System, Green
- Drywall System, White
- 18"X18" Ceramic Floor Tile Grout/Mortar, Pink
- Drywall System, Brown
- 4"X4" Ceramic Wall Tile Grout/Mortar, White
- Black Leveling Compound
- 8" Pipe Wrap/Insulation, White
- Plaster, Grey,
- Exterior Siding Black/Brown (House)
- Roof Shingle #1, Black/Red (House)
- Roof Shingle #2, Black (House)
- Roof Shingle #3, Black (House)
- Tar Paper, Black, (House)
- Shingle #1, Black/Red (Detached Garage)
- Shingle #2, Black/Brown (Detached Garage)
- Tar Paper, Black (Detached Garage)
- Exterior Siding, Black, (Detached Garage)
- Mortar, Grey (House)

Exhibit 1, Suspect ACM Sample Locations, shows the approximate locations of the suspect ACM collected during the field survey. Samples were placed in new sealable containers and labeled with unique sample numbers using an indelible marker. All non-disposable sampling equipment was wet-wiped and cleaned before and after each use. Bulk material samples were collected in 4-milliliter plastic bags, and tightly sealed for transport to the laboratory. Bulk samples were submitted under a chain-of-custody (COC) protocol to Sterling Labs in Chicago, Illinois.

2.3 Quantification

The inspector estimated the quantities of accessible and/or exposed materials that were suspected of containing asbestos using a measuring wheel and/or visual estimation. Actual quantities may differ between visually estimated values and physical measurements. The asbestos abatement contractor is responsible for verifying reported quantities of ACM.

3.0 ANALYTICAL RESULTS

3.1 Testing Procedures

Sterling Lab analyzed the bulk samples using polarized light microscopy (PLM) method with dispersion staining techniques per USEPA methodology “Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, July 1993”. This is a standard method of analysis in optical mineralogy and the currently accepted method for the determination of asbestos in bulk samples. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The characteristic color displays which enable mineral identification. It should be noted that some ACM may not be accurately identified and/or quantified by PLM. The percentage of asbestos applicable was determined by microscopic visual estimation. Sterling analyzed each layer of each sample, which means if multiple layers are detected in the same sample (i.e., roof field), each layer was analyzed, and a separate result was provided for each layer. If any of the sample results from a homogeneous group had a positive result, that homogeneous group was considered to be ACM. Sterling Labs is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation Number 101202-0). Refer to **Appendix D** for laboratory accreditations.

3.2 Findings

GSG identified a total of 18 HAs from which 54 samples were collected and analyzed. Results are summarized in **Table 1** and include a description of each material, location, material type, test results, and estimated quantity. Materials indicated to have a “negative” result were confirmed by PLM analysis to be non-asbestos-containing. The laboratory results are provided in **Appendix A** and reference photographs are included in **Appendix B**. 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 **HA was confirmed** to be **ACM**:

- 8” Pipe Wrap/Insulation

The laboratory reported that asbestos was Not Detected (ND) in the remaining bulk samples collected by GSG. **Exhibit 2, ACM Locations**, shows the approximate locations of ACMs present in the building.

4.0 RECOMMENDATIONS

GSG understands that the residential property will be demolished as part of the I-80 improvement project. ACMs identified at the site must be removed/managed in accordance with all federal, state, and local regulations governing asbestos. ACMs abatement and management are subject to the US Environmental Protection Agency (USEPA), the Occupational and Health Administration (OSHA), Illinois Department of Public Health (IDPH), the Illinois Environmental Protection Agency (Illinois EPA), and other applicable Federal, State, and Local Government regulations. The following regulations governing asbestos removal and disposal:

1. U.S. Environmental Protection Agency Regional National Emissions Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61 Subpart A and M).
2. U.S. Department of Transportation "Hazardous Substances Final Rule" 49 CFR 171 and 172, November 21, 1986, February 17, 1987.
3. U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Asbestos Regulations (Code of Federal Regulations Title 29, Part 1910, Section 1910.1001 and Part 1926, Section 1926.1101).
4. State of Illinois, Commercial and Public Building Asbestos Abatement Act. Illinois Department of Public Health, Rules for Asbestos Abatement for Public and Private Schools and Commercial and Public Buildings in Illinois (77 IL Admin. Code 855).

All friable asbestos-containing building materials (ACBMs) identified shall be removed from any building(s) or other structures before demolition. Non-friable ACMs may be left in place, unless during demolition, the ACMs may become friable. If other suspect materials not referenced in this survey report, within or on the outside of the buildings, are identified, not listed in **Table 1**, such materials shall be assumed ACMs until the materials are inspected by a licensed asbestos inspector, sampled, and submitted for laboratory analysis.

GSG recommends the preparation of an asbestos abatement project design before any demolition. An asbestos abatement design plan and specifications should include information regarding the location of containments and barriers, type of sealant, and air sampling requirements and clearance during the asbestos abatement activities. The asbestos design plan and specifications shall be prepared and signed by an IDPH licensed asbestos project designer following Illinois regulations. Before starting any abatement activities, an Asbestos Abatement notification is required for all asbestos projects and must be applied for at least ten (10) working days before the start of the project. A building demolition notification is required for all demolition projects and must be applied for at least ten (10) working days before the start of the project.

Abatement and Emergency Response shall be conducted only by IDPH licensed asbestos abatement contractor(s) under the supervision of a licensed asbestos project manager in accordance with all applicable federal, state, and local regulations. Workers who abate or manage asbestos must receive the proper training and licensing. OSHA prescribes required personnel monitoring including air monitoring and medical monitoring (ref 29 CFR 1926.1101). Personnel protective equipment and procedures are also required.

All asbestos waste generated from the required pre-demolition removal activities during the project must be wetted before it is double bagged in 6-millimeter plastic bags and enclosed in a plastic, leak-tight container with a lid and proper labeling. Discharge no visible emissions to the outside air during the collection, processing, packaging, or transporting of any asbestos-containing waste material. Asbestos waste is a "special waste" in

Illinois. Asbestos-containing waste can only be disposed of in Subtitle D landfills that are designated to receive asbestos waste.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of the Illinois Department of Transportation (IDOT) and its Design Section Engineer consultant. GSG warrants that the investigations and methodology reflect our best efforts based upon the prevailing standard of care in the environmental field. This assessment was limited to those materials which were readily visible and with limited demolition and removal of building components. Additional suspect materials may be located behind walls and ceilings. The survey is subject to the following limitations.

- The investigation did not include sampling on any system which may present a hazard to the inspection team such as energized electrical systems or within confined spaces
- Materials associated with electrical components and energized equipment were not safely accessible and were not sampled.
- Estimated quantities of the ACMs are based on observations during the field survey and additional materials may be concealed or were not accessible. Therefore, all estimated quantities shall be field verified by the abatement contractor.

6.0 CERTIFICATION

The undersigned hereby affirm that the conditions described herein are accurate to the best of our knowledge and belief and are subject to the limitations inherent in the investigative techniques used and any expressed limitations of this survey. Applicable licensing to perform the described survey activities was valid at the time of performance of services in accordance with applicable federal, state and local laws, rules, and regulations.

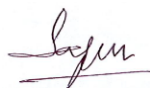
Inspection Performed By:

Safdar Azeem

Asbestos Inspector's Name

100-10351

IDPH License Number



Asbestos Inspector's Signature

01.31.2025

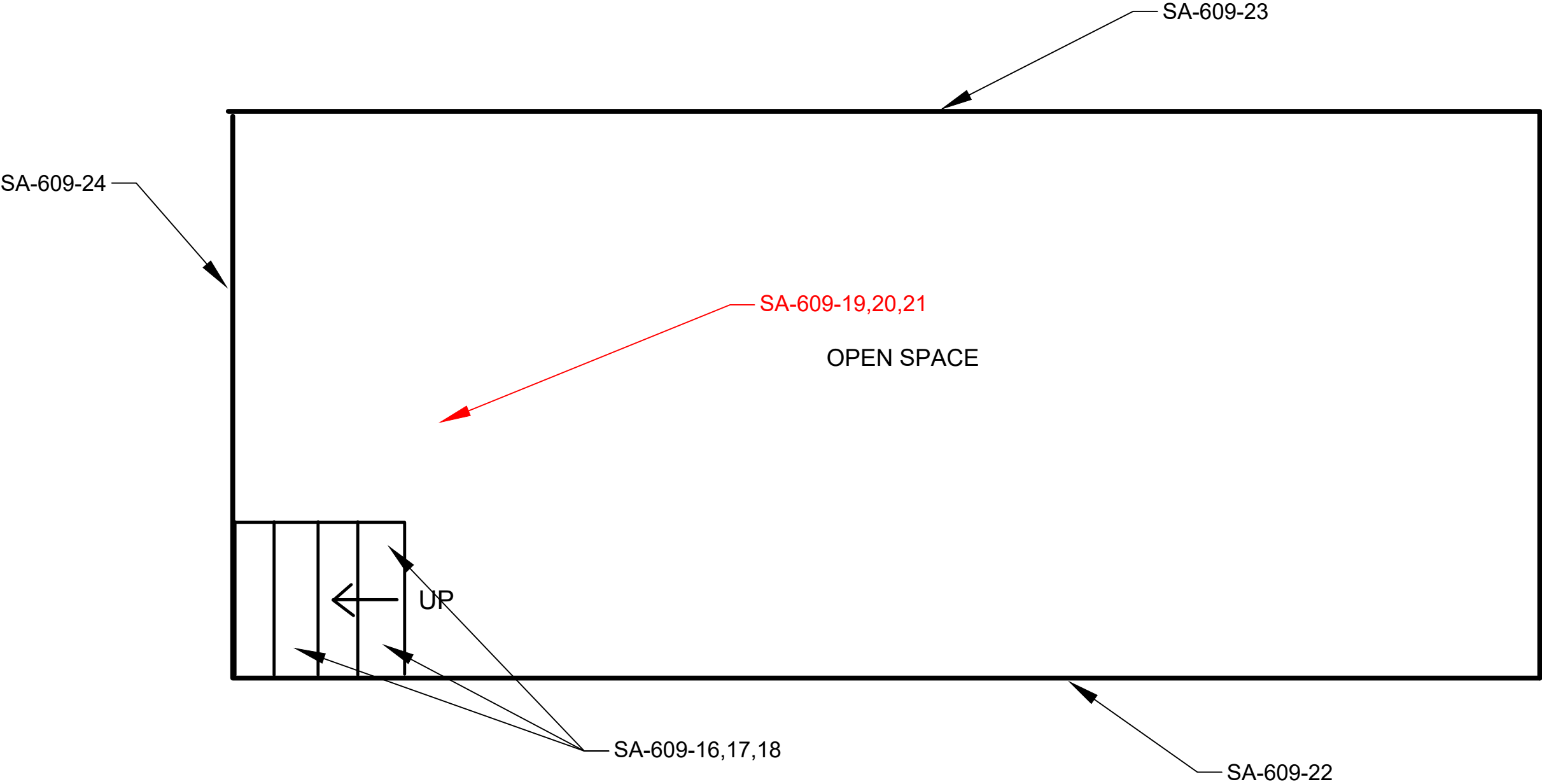
Date

EXHIBITS

Exhibit 1	Suspect ACM Sample Location Plans
Exhibit 2	Asbestos-Containing Materials Location Plan

EXHIBIT 1

SL-1, SL-2, and SL-3 Suspect ACM Sample Location Plans



BASEMENT
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: SA-609-XX

BATCH NUMBER: 373449

RED SAMPLES TESTED POSITIVE FOR ASBESTOS

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

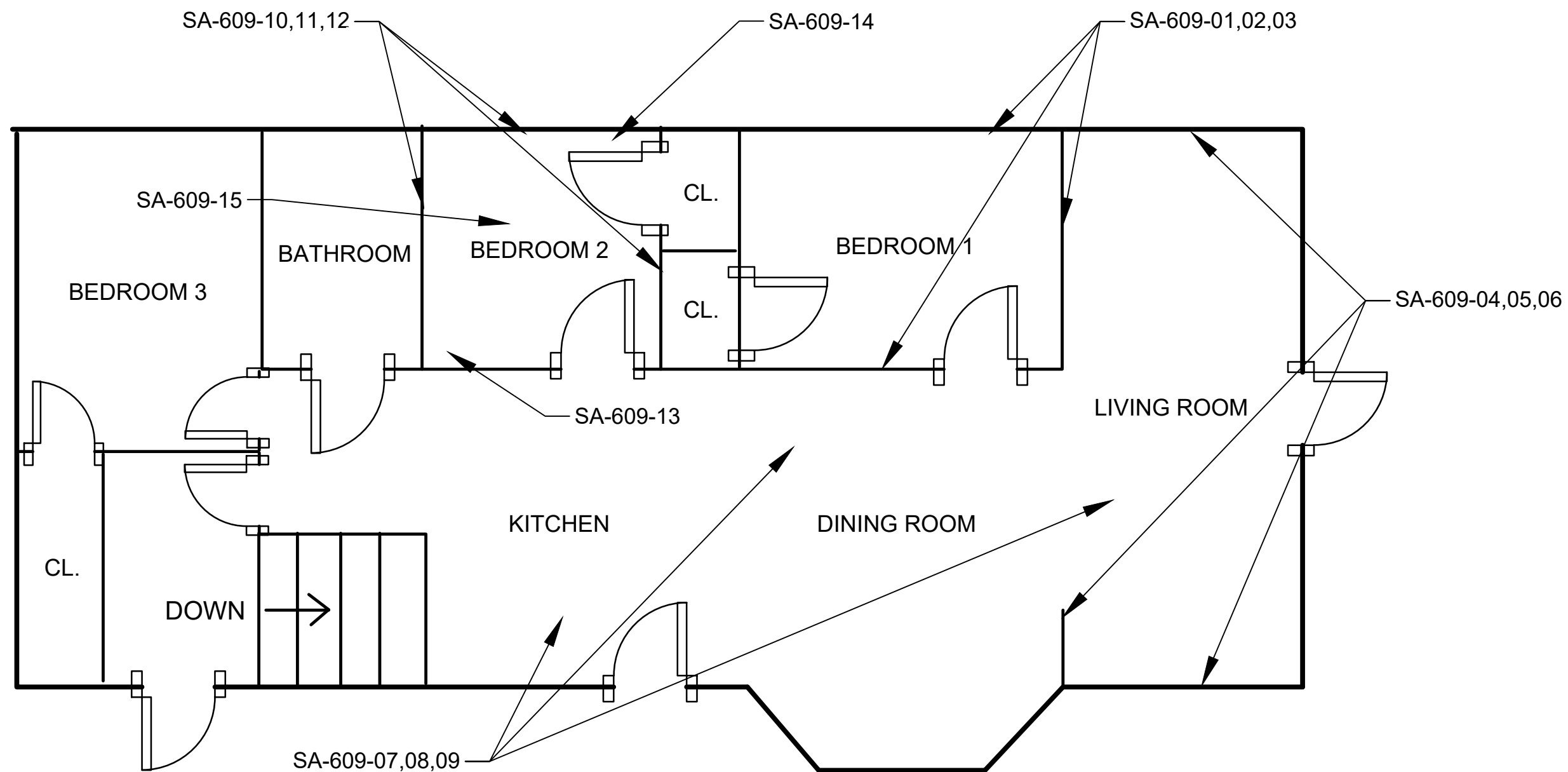
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
609 DES PLAINES STREET
JOLIET, IL, 60433



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
1/30/2025	1 OF 3

SHEET NAME:

SL-1



FIRST FLOOR
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: SA-609-XX
BATCH NUMBER: 373449

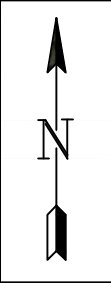
SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
609 DES PLAINES STREET
JOLIET, IL, 60433



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EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
1/30/2025	2 OF 3
SHEET NAME:	

SL-2



SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
609 DES PLAINES STREET
JOLIET, IL, 60433



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EP	21-2007
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TC	NTS
DATE:	SHEET #:
1/30/2025	3 OF 3

SHEET NAME:

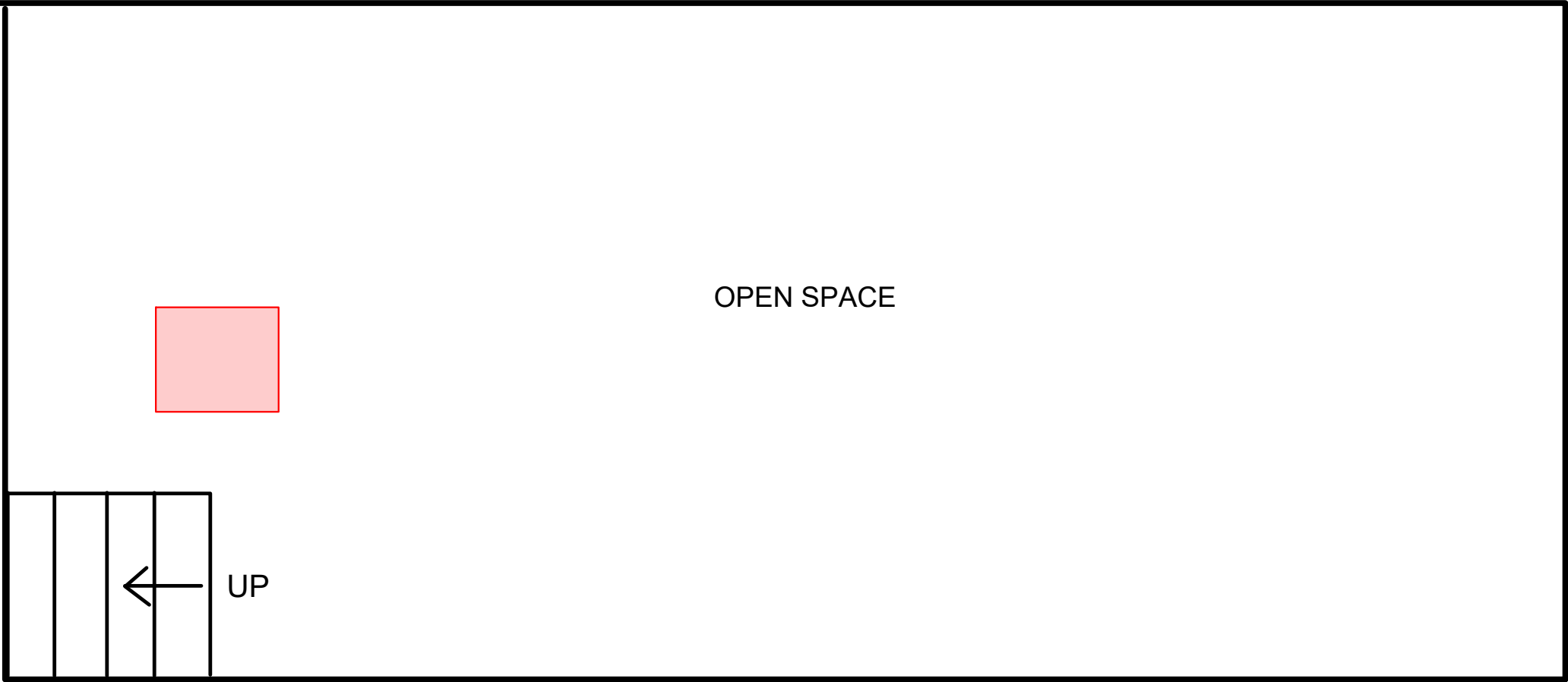
SL-3

LEGEND

SUSPECT ACM SAMPLE LOCATIONS: SA-609-XX
BATCH NUMBER: 373449

EXHIBIT 2

ACM-1 ACM Location Plan




BASEMENT
SCALE = N.T.S.



LEGEND

LOCATIONS OF ASBESTOS-CONTAINING MATERIALS

 PIPE WRAP/INSULATION

ASBESTOS-CONTAINING MATERIALS LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
609 DES PLAINES STREET
JOLIET, IL, 60433



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EP	21-2007
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TC	NTS
DATE:	SHEET #:
1/30/2025	1 OF 1
SHEET NAME:	

ACM-1

APPENDIX A

Analytical Testing Results

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
735 Remington Road
Schaumburg, IL 60173
Phone: (630) 994-2600
Fax: (312) 733-5612

Reference: 21-2007
Location: IDOT; I-80 Improvement 609 Des Plaines
Batch No.: 373499
Customer No.: 4651

Date Received: 01/10/2025
Date Analyzed: 01/16/2025
Date Reported: 01/16/2025
Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373499001	SA-609-1	ND	Cellulose 5-10% Binder 90-95%
373499002	SA-609-2	ND	Cellulose 5-10% Binder 90-95%
373499003	SA-609-3	ND	Cellulose 5-10% Binder 90-95%
373499004	SA-609-4	ND	Cellulose 5-10% Binder 90-95%
373499005	SA-609-5	ND	Cellulose 5-10% Binder 90-95%
373499006	SA-609-6	ND	Cellulose 5-10% Binder 90-95%
373499007	SA-609-7	ND	Binder 99-100%
373499008	SA-609-8	ND	Binder 99-100%
373499009	SA-609-9	ND	Binder 99-100%
373499010	SA-609-10	ND	Cellulose 5-10% Binder 90-95%
373499011	SA-609-11	ND	Cellulose 5-10% Binder 90-95%

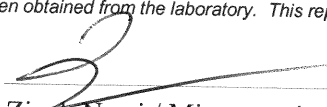
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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

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 :


Zineb Nasri / Microscopist

Date: 01/16/2025

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
 735 Remington Road
 Schaumburg, IL 60173
 Phone: (630) 994-2600
 Fax: (312) 733-5612

Reference: 21-2007

Location: IDOT; I-80 Improvement 609 Des Plaines

Batch No.: 373499

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/16/2025

Date Reported: 01/16/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373499012	SA-609-12	ND	Cellulose 5-10% Binder 90-95%
373499013	SA-609-13	ND	Cellulose 1-5% Binder 95-99%
373499014	SA-609-14	ND	Cellulose 1-5% Binder 95-99%
373499015	SA-609-15	ND	Cellulose 1-5% Binder 95-99%
373499016	SA-609-16	ND	Cellulose 15-20% Binder 80-85%
373499017	SA-609-17	ND	Cellulose 15-20% Binder 80-85%
373499018	SA-609-18	ND	Cellulose 15-20% Binder 80-85%
373499019	SA-609-19	Chrysotile 10-15%	Binder 85-90%
373499020	SA-609-20	NA	
373499021	SA-609-21	NA	
373499022	SA-609-22	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

Date: 01/16/2025

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
 735 Remington Road
 Schaumburg, IL 60173
 Phone: (630) 994-2600
 Fax: (312) 733-5612

Reference: 21-2007

Location: IDOT; I-80 Improvement 609 Des Plaines

Batch No.: 373499

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/16/2025

Date Reported: 01/16/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373499023	SA-609-23	ND	Cellulose 1-5% Binder 95-99%
373499024	SA-609-24	ND	Cellulose 1-5% Binder 95-99%
373499025	SA-609-25	ND	Cellulose 10-15% Binder 85-90%
373499026	SA-609-26	ND	Cellulose 10-15% Binder 85-90%
373499027	SA-609-27	ND	Cellulose 10-15% Binder 85-90%
373499028	SA-609-28	ND	Binder 85-90% Glass 10-15%
373499029	SA-609-29	ND	Binder 85-90% Glass 10-15%
373499030	SA-609-30	ND	Binder 85-90% Glass 10-15%
373499031	SA-609-31	ND	Binder 85-90% Glass 10-15%
373499032	SA-609-32	ND	Binder 85-90% Glass 10-15%

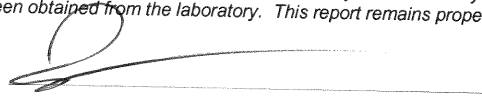
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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

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Analyzed by Name :


 Zineb Nasri / Microscopist

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
 735 Remington Road
 Schaumburg, IL 60173
 Phone: (630) 994-2600
 Fax: (312) 733-5612

Reference: 21-2007

Location: IDOT; I-80 Improvement 609 Des Plaines

Batch No.: 373499

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/16/2025

Date Reported: 01/16/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373499033	SA-609-33	ND	Binder 85-90% Glass 10-15%
373499034	SA-609-34	ND	Binder 85-90% Glass 10-15%
373499035	SA-609-35	ND	Binder 85-90% Glass 10-15%
373499036	SA-609-36	ND	Binder 85-90% Glass 10-15%
373499037	SA-609-37	ND	Cellulose 80-85% Binder 15-20%
373499038	SA-609-38	ND	Cellulose 80-85% Binder 15-20%
373499039	SA-609-39	ND	Cellulose 80-85% Binder 15-20%
373499040	SA-609-40	ND	Binder 85-90% Glass 10-15%
373499041	SA-609-41	ND	Binder 85-90% Glass 10-15%
373499042	SA-609-42	ND	Binder 85-90% Glass 10-15%

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Analyzed by Name :


 Zineb Nasri / Microscopist

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
 735 Remington Road
 Schaumburg, IL 60173
 Phone: (630) 994-2600
 Fax: (312) 733-5612

Reference: 21-2007

Location: IDOT; I-80 Improvement 609 Des Plaines

Batch No.: 373499

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/16/2025

Date Reported: 01/16/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373499043	SA-609-43	ND	Binder 85-90% Glass 10-15%
373499044	SA-609-44	ND	Binder 85-90% Glass 10-15%
373499045	SA-609-45	ND	Binder 85-90% Glass 10-15%
373499046	SA-609-46	ND	Cellulose 80-85% Binder 15-20%
373499047	SA-609-47	ND	Cellulose 80-85% Binder 15-20%
373499048	SA-609-48	ND	Cellulose 80-85% Binder 15-20%
373499049	SA-609-49	ND	Cellulose 10-15% Binder 85-90%
373499050	SA-609-50	ND	Cellulose 10-15% Binder 85-90%
373499051	SA-609-51	ND	Cellulose 10-15% Binder 85-90%
373499052	SA-609-52	ND	Binder 99-100%
373499053	SA-609-53	ND	Binder 99-100%

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

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Analyzed by Name :

Zineb Nasri / Microscopist

Date: 01/16/2025

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
735 Remington Road
Schaumburg, IL 60173
Phone: (630) 994-2600
Fax: (312) 733-5612

Reference: 21-2007

Location: IDOT; I-80 Improvement 609 Des Plaines

Batch No.: 373499

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/16/2025

Date Reported: 01/16/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373499054	SA-609-54	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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Analyzed by Name :

Zineb Nasri / Microscopist

Date: 01/16/2025



GSG CONSULTANTS, INC.

Engineering and Industrial Hygiene Services

735 Remington Road

Schaumburg, IL 60173

(630) 994-2600 Fax: (312) 733-5612

www.gsg-consultants.com

373499

Page 1 of 4

At: Sidang
Det: Garage
- single story | Basement | Attic

PLM BULK LABORATORY ANALYSIS FORM

Project Name: IDOT; I-80 IMPROVEMENT	Project Manager: Ted Cagney
Project Number: 21-2007	Building Inspector: Safdar Azeem
Project Address: 609 DES PLAINES	IDPH Number: 100-10351
City/State: JOLIET, IL	Work Day: S M T W <u>TH</u> F S
Client: WSP - USA	Analyze by Method:
Date: 01/09/25	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
SA-609-1	HA #1	Daywall System - Green - Bedroom
2	↓	↓
3	↓	↓
4	2	Daywall System - White Living Rm
5	↓	↓
6	↓	↓
7	3	18"x18" Grout/Mortar -
8	↓	18"x18" Ceramic tile - Pink - Floor
9	↓	↓
10	4	Daywall System - Brown Bedroom #2
11	↓	↓
12	↓	↓
13	5	Grout/Mortar -
14	↓	4"x4" Ceramic Tile - Wall
15	↓	White

TURN AROUND TIME:

1 Day

2 Days

3 Days

(5 Day) Other

COMMENTS: E-mail Results to:

epahomi@gsg-consultants.com sazeem@gsg-consultants.com

STOP AT FIRST POSITIVE

CHAIN OF CUSTODY RECORD

Collected By (Signature) <u>Safdar Azeem</u>	Date: <u>01/09/25</u>	Time: <u>10:50 AM</u>	Relinquished by (Signature) <u>Safdar Azeem</u>	Date: <u>01/10/25</u>	Time: <u>8:50 AM</u>
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <u>Email</u>	Date: <u>1/13/25</u>	Time: <u>9:00</u>

Definitions: BLK-Bulk Sample, PLM-Polarized Light Microscopy, TEM-Transmission Electron Microscope.



GSG CONSULTANTS, INC.

Engineering and Industrial Hygiene Services

735 Remington Road

Schaumburg, IL 60173

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www.gsg-consultants.com

373499

Page 2 of 4

PLM BULK LABORATORY ANALYSIS FORM

Project Name: IDOT; I-80 IMPROVEMENT	Project Manager: Ted Cagney
Project Number: 21-2007	Building Inspector: Safdar Azeem
Project Address: 609 DES PLAINES	IDPH Number: 100-10351
City/State: JOLIET, IL	Work Day: S M T W <u>TH</u> F S
Client: WSP - USA	Analyze by Method:
Date: 01/09/25	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
SA-609-16	HA#6	Level - Stairs - Basement
17	↓	↓ Black
18	↓	↓
19	7	Pipe wrap/Insulation white
20	↓	↓ 8" - Basement
21	↓	↓
22	8	Plaster - Wall - Grey
23	↓	↓ Basement
24	↓	↓
25	9	Siding, Extension Home (under AC)
26	↓	↓ Black/Brown
27	↓	↓
28	10	Roof - Shingle #1 - Black/Red
29	↓	↓ (HOME)
30	↓	↓

TURN AROUND TIME:

1 Day
2 Days
3 Days

(5 Day) Other

COMMENTS: E-mail Results to:

epahomi@gsg-consultants.com sazeem@gsg-consultants.com

STOP AT FIRST POSITIVE

CHAIN OF CUSTODY RECORD

Collected By (Signature) <u>Safdar Azeem</u>	Date: <u>01/09/25</u>	Time:	Relinquished by (Signature) <u>Safdar Azeem</u>	Date: <u>01/10/25</u>	Time: <u>8:50 AM</u>
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <u>Email</u>	Date: <u>1/13/25</u>	Time: <u>9:23</u>

Definitions: BLK-Bulk Sample, PLM-Polarized Light Microscopy, TEM-Transmission Electron Microscope.



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Engineering and Industrial Hygiene Services

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Schaumburg, IL 60173
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Page 3 of 4

373499

PLM BULK LABORATORY ANALYSIS FORM

Project Name: IDOT; I-80 IMPROVEMENT	Project Manager: Ted Cagney
Project Number: 21-2007	Building Inspector: Safdar Azeem
Project Address: 609 DES PLAINES	IDPH Number: 100-10351
City/State: JOLIET, IL	Work Day: S M T W <u>TH</u> F S
Client: WSP - USA	Analyze by Method:
Date: 01/09/25	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
SA-609 - 31	HA #11	Roof Shingle #2 Black
32	↓	(HOME)
33	↓	↓
34	12	Roof Shingle #3 Black
35	↓	(HOME)
36	↓	↓
37	13	Tar Paper - Black
38	↓	(HOME)
39	↓	↓
40	14	Shingle #1 Black/Red
41	↓	Det. Garage
42	↓	↓
43	15	Shingle #2 Black/Brown
44	↓	Det. Garage
45	↓	↓

TURN AROUND TIME:

1 Day
2 Days
3 Days

(5 Day) Other

COMMENTS: E-mail Results to:

epahomi@gsg-consultants.com sazeem@gsg-consultants.com

STOP AT FIRST POSITIVE

CHAIN OF CUSTODY RECORD

Collected By (Signature) <u>Safdar Azeem</u>	Date: <u>01/09/25</u>	Time:	Relinquished by (Signature) <u>Safdar Azeem</u>	Date: <u>01/10/25</u>	Time: <u>8:50 AM</u>
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <u>Gmail</u>	Date: <u>1/13/25</u>	Time: <u>9:20 AM</u>

Definitions: BLK-Bulk Sample, PLM-Polarized Light Microscopy, TEM-Transmission Electron Microscope.

PLM BULK LABORATORY ANALYSIS FORM[illegible]

CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD					
Collected By (Signature) <i>Sufdar Azam</i>	Date: <i>01/09/25</i>	Time:	Relinquished by (Signature) <i>Sufdar Azam</i>	Date: <i>01/10/25</i>	Time: <i>8:50</i>
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>Emad</i>	Date: <i>1/13/25</i>	Time: <i>9:23</i>

Definitions: BLK-Bulk Sample, PLM-Polarized Light Microscopy, TEM-Transmission Electron Microscope.

APPENDIX B

Reference Photographs



Material Description:
Suspect ACM Drywall
System

Photo Location:
Bedroom 1

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM Drywall
System

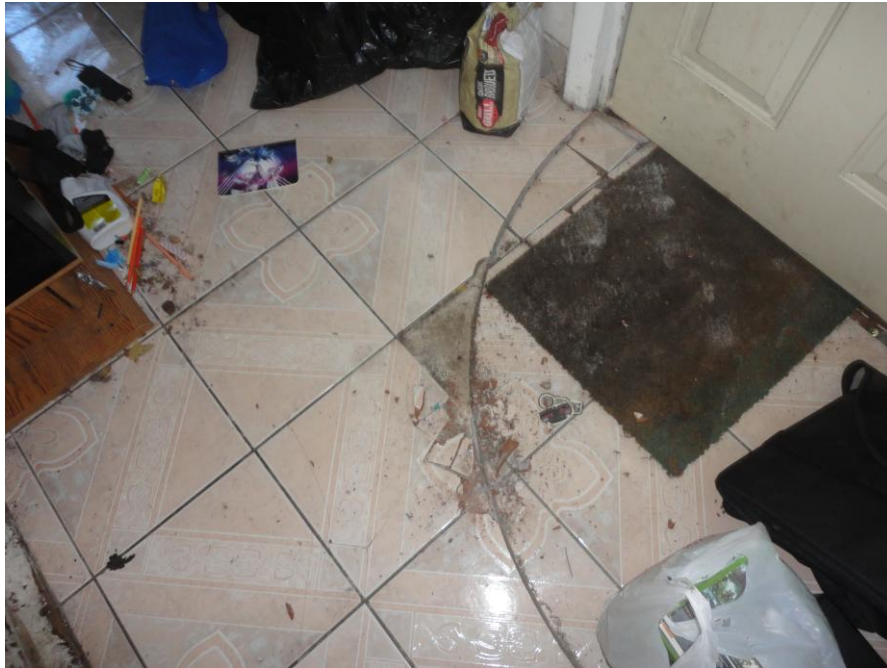
Photo Location:
Living Room

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM 18"x18"
Ceramic Tile Grout & Mortar

Photo Location:
Living Room

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM Drywall
System

Photo Location:
Bedroom 2

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM 4"x4" Ceramic
Tile Grout & Mortar

Photo Location:
Kitchen

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
8" Pipe Wrap/Insulation -
**Tested Positive for
Asbestos**

Photo Location:
Basement

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM Plaster

Photo Location:
Basement

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM Asphaltic
Siding

Photo Location:
Exterior

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM Roof Shingles
& Tar Paper

Photo Location:
House Roof

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25



Material Description:
Suspect ACM Roof Shingles
& Tar Paper

Photo Location:
Garage

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 1/9/25

APPENDIX C

Inspector Licenses and Training Certifications



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

SAFDAR AZEEM
1 South 285 Ingersoll Lane
Villa Park, IL 60181

4/22/2024



ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 10351

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 100 - 10351		ISSUED 4/22/2024	EXPIRES 05/15/2025	INSPECTOR	1/27/2025
SAFDAR AZEEM 1 South 285 Ingersoll Lane Villa Park, IL 60181 Environmental Health				PROJECT MANAGER AIR SAMPLING PROFESSIONAL	3/1/2025
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.					

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

APPENDIX D

Laboratory Accreditations

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




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

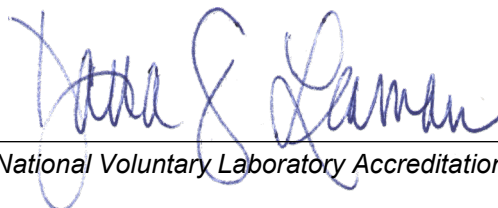
NVLAP LAB CODE 101202-0

Bulk Asbestos Analysis

<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