

ASBESTOS SURVEY REPORT

PTB 196-032

Asbestos Survey for Building Demolition (I-80)

668 Kiep Avenue, 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
668 Kiep Avenue, Joliet, IL
Parcel No. 1P10180

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:	668 Kiep Avenue
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:	1908
Parcel No.	1P10180	Building Size:	820 SF

ASBESTOS CONTAINING MATERIALS	
Survey Date:	January 9 th , 2025
Weather Conditions:	20°F, cloudy
By Whom:	
Firm:	GSG Consultants, Inc
Inspector:	Safdar Azeem
IDPH License No.	100-08900
Results:	
	Number of Material Types Sampled <u>21</u>
	Number of Samples Collected: <u>63</u>
	Number of Materials Tested Positive: <u>0</u>
	Was Friable ACM Found? <u>No</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. 1P10180
Residential Property
668 Kiep Avenue, 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	Throughout	Misc.	Good	No	ND	3	N/A
2	Grout/mortar	Bathroom	Misc.	Good	No	ND	3	N/A
3	Carpet Cushion/level	Bedroom 1	Misc.	Good	No	ND	3	N/A
4	Light Dome Insulation	Bedroom 1	Misc.	Good	No	ND	3	N/A
5	4"x4" Pattern Linoleum Flooring	Kitchen, Living Room	Misc.	Good	No	ND	3	N/A
6	Drywall system	Bathroom	Misc.	Good	No	ND	3	N/A
7	Caulking, White	Bathroom	Misc.	Good	No	ND	3	N/A
8	Caulking	Kitchen Window, Interior	Misc.	Good	No	ND	3	N/A
9	Ceiling, Textured, White	Living Room	Surf.	Good	No	ND	3	N/A
10	Carpet Cushion Level	Living Room	Misc.	Good	No	ND	3	N/A
11	Floor Insulation, Brown	Attic	TSI	Good	Yes	ND	3	N/A
12	Caulk	Basement Exterior Door	Misc.	Good	No	ND	3	N/A
13	Textured Paint, Brown	Exterior	Surf.	Good	No	ND	3	N/A
14	Siding Caulk, White	Exterior	Misc.	Good	No	ND	3	N/A
15	Window Caulk	Exterior	Misc.	Good	No	ND	3	N/A
16	Textured paint, White	Exterior	Surf.	Good	No	ND	3	N/A
17	Plaster, Brown	Basement	Surf.	Good	No	ND	3	N/A



Asbestos Survey Report

Survey Summary

668 Kiep Avenue, Joliet, IL

HA No.	Material Description	Location	Type ⁽¹⁾	Condition	Friable	% Asbestos*	# of Samples	Estimated Quantity ⁽²⁾
18	Tar Paper, Black	Roof	Misc.	Good	No	ND	3	N/A
19	Shingle layer 1, Black/Brown	Roof	Misc.	Good	No	ND	3	N/A
20	Shingle layer 2, Black/White	Roof	Misc.	Good	No	ND	3	N/A
21	Shingle layer 3, Black/Brown	Roof	Misc.	Good	No	ND	3	N/A
Total Estimated Quantity of ACM								0 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. 1P10180 located at 668 Kiep Avenue in Joliet, Illinois. The site is improved with a one-story, single-family house with an attic and a basement. The house was constructed in 1908 and is approximately 820 square feet in size with an asphalt shingled roof. The interior walls and ceilings are drywall, plaster and masonry, and the floors are carpet, wood, and linoleum. The building exterior is of wood and masonry construction.

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 63 bulk samples of suspect ACM, three (3) samples for each of the 21 homogeneous areas, were collected from various homogeneous areas of the buildings. Bulk samples were collected from the following materials/homogeneous area(s):

- Drywall System, Throughout
- Grout/Mortar, 2'X2' Ceramic Tile
- Leveling/Cushion, Carpet
- Light Dome Insulation
- 4"X4" Pattern Linoleum Flooring
- Drywall System, Bathroom
- Caulking, White
- Window Caulking
- White Textured Ceiling
- Leveling/Cushion, Carpet, Living Room
- Brown Attic Floor Insulation
- Door Caulking, Exterior
- Brown Textured Paint, Exterior
- White Siding Caulk, Exterior
- Window Caulk, Exterior
- White Textured Paint, Exterior
- Brown Plaster, Basement
- Black Tar Paper, Roof
- Shingle Layer #1, Roof
- Shingle Layer #2, Roof
- Shingle Layer #3, Roof

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 21 HAs from which 63 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 laboratory reported that asbestos was Not Detected (ND) in all of the bulk samples collected by GSG.

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.

Any suspect material that is discovered during the project activities and is not listed in **Table 1**, were not tested during this survey. Such materials shall be assumed and treated as ACM until tested and proven otherwise. If ACM is identified, 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.

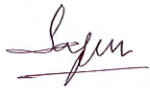
Inspection Performed By:

Safdar Azeem

Asbestos Inspector's Name

100-10351

IDPH License Number



Asbestos Inspector's Signature

01.31.2025

Date

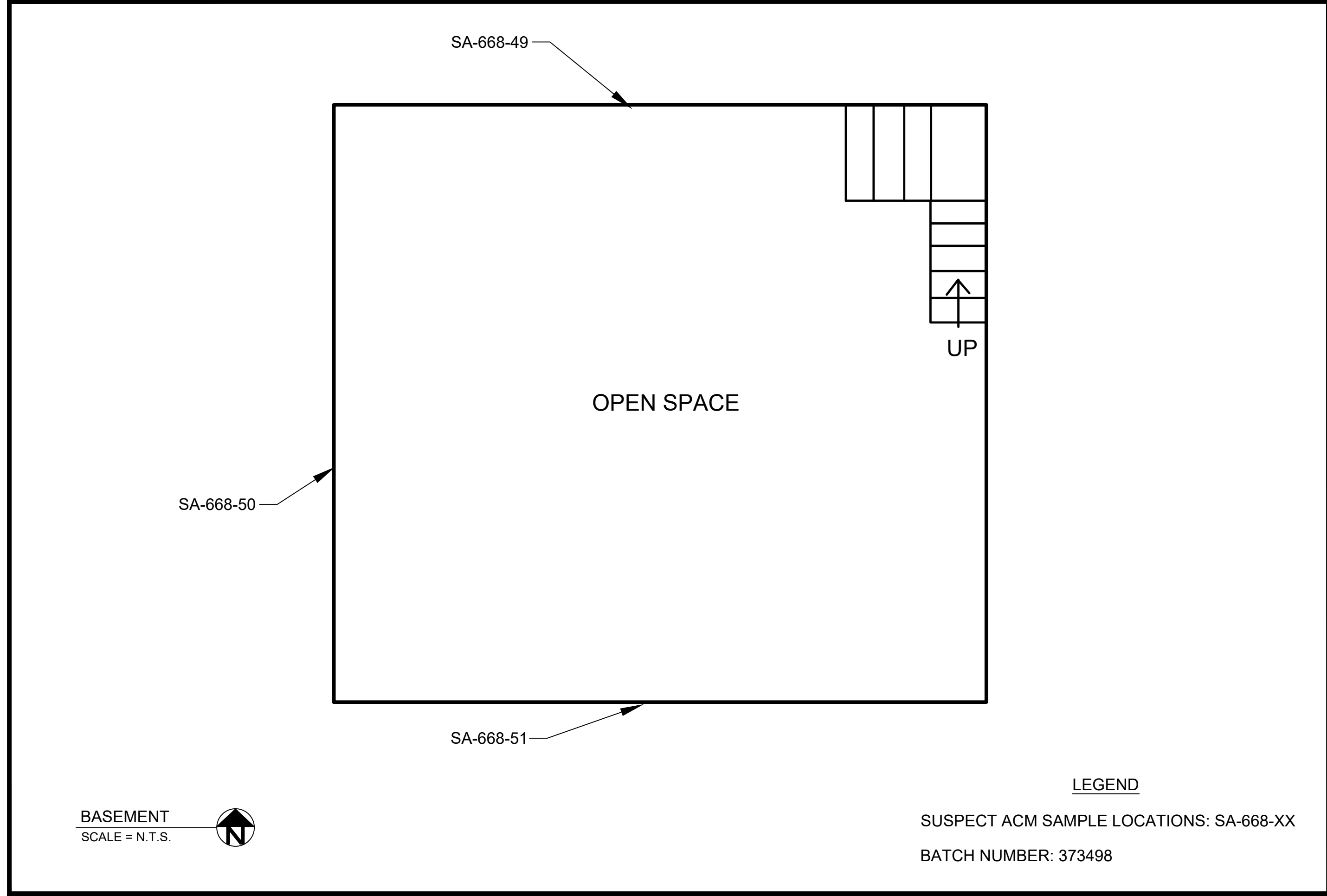
EXHIBITS

Exhibit 1

Suspect ACM Sample Location Plans


EXHIBIT 1

SL-1, SL-2, SL-3, and SL-4 Suspect ACM Sample Location Plans



SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

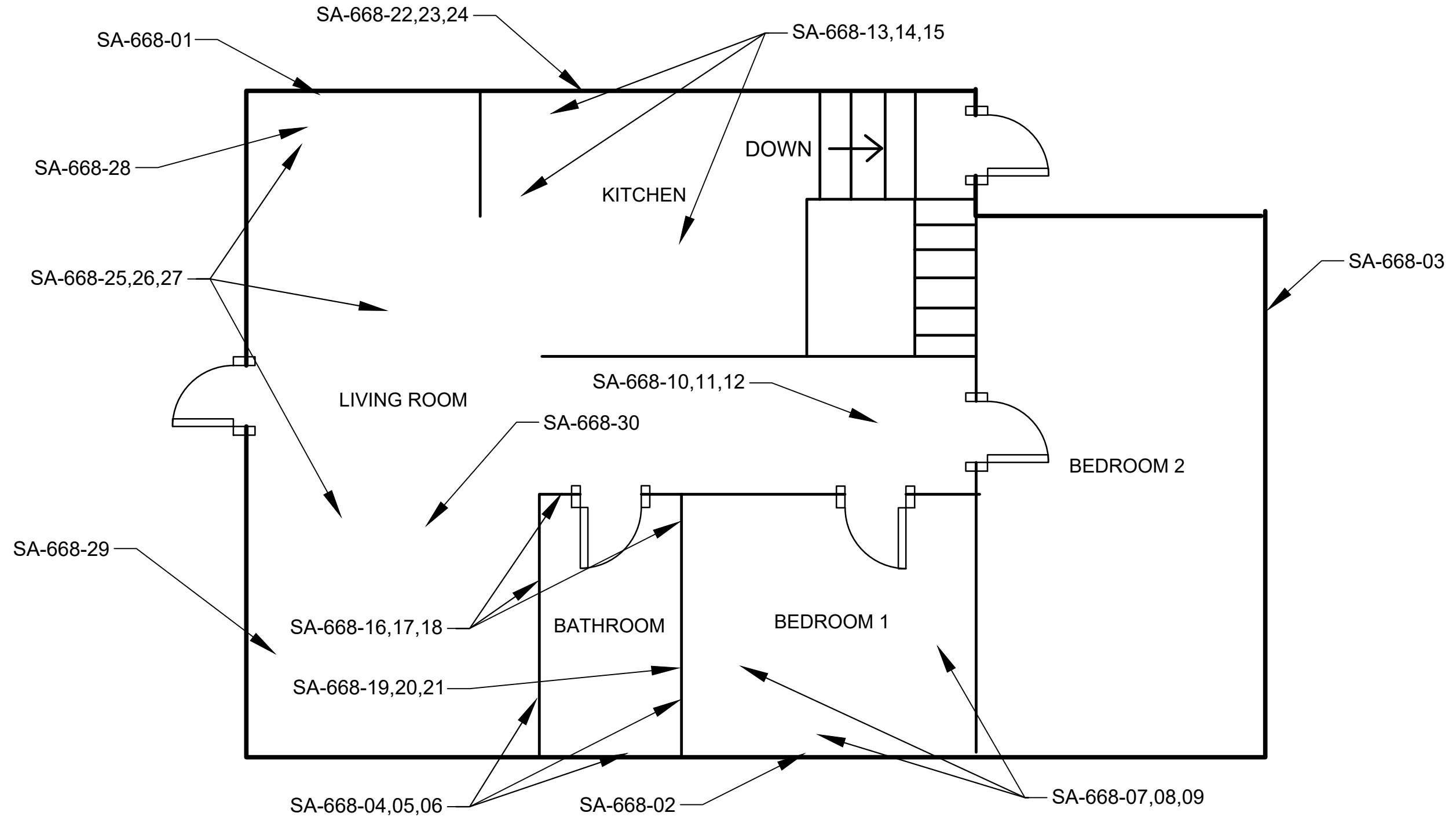
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
668 KIEP AVENUE
JOLIET, IL 60433



GSG CONSULTANTS, INC.
732 E REMINGTON RD, SCHWARTZBURG, IL 60173
TEL: 815/398-1100 FAX: 815/398-1101
ILLINOIS PROFESSIONAL DESIGN FRANK BAPODZINSKI

DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
1/30/2025	1 OF 4
SHEET NAME:	

SL-1



FIRST FLOOR
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: SA-668-XX
BATCH NUMBER: 373498

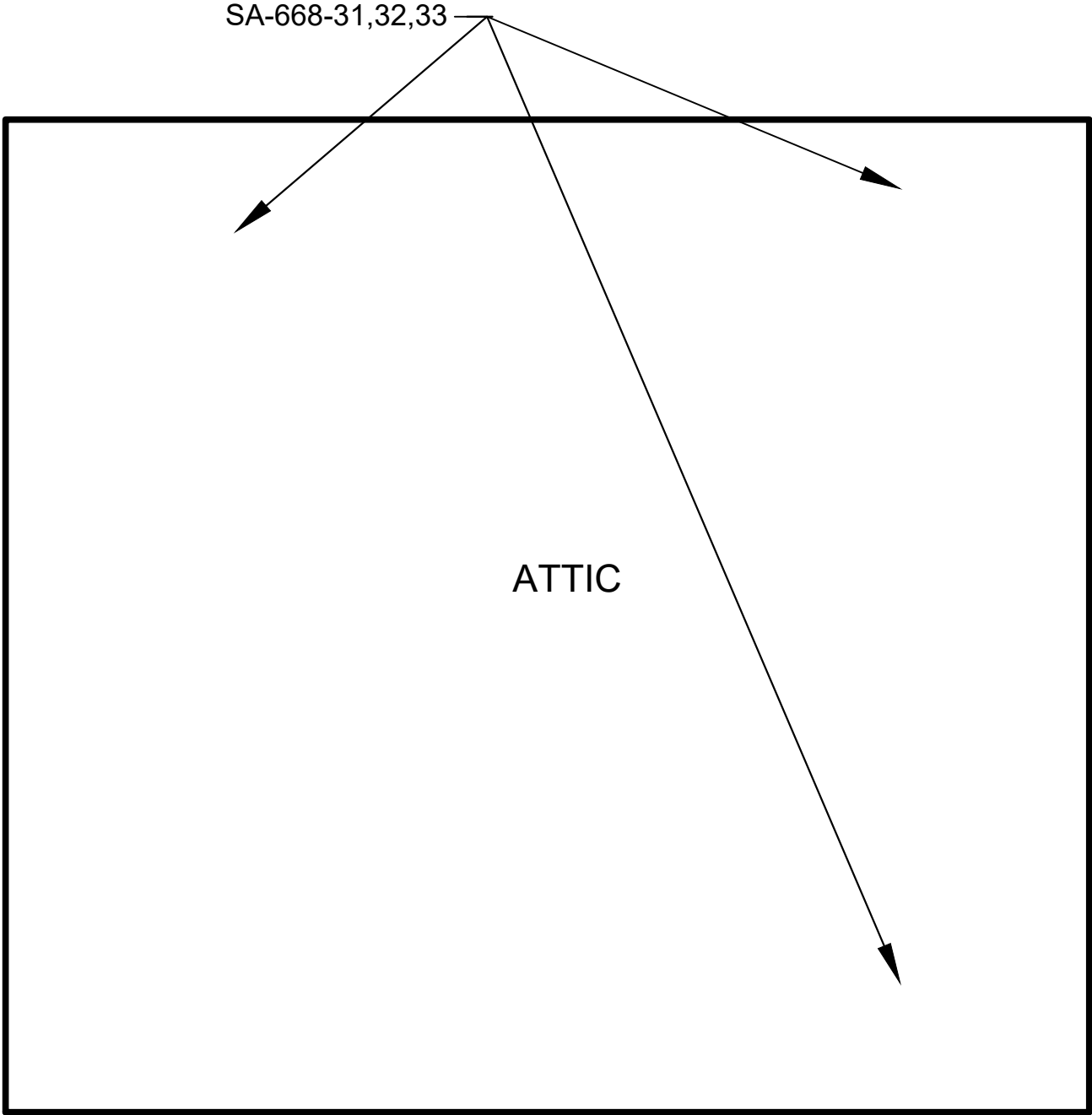
SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
668 KIEP AVENUE
JOLIET, IL, 60433



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EP	21-2007
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TC	NTS
DATE:	SHEET #:
1/30/2025	2 OF 4
SHEET NAME:	

SL-2



ATTIC
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: SA-668-XX
BATCH NUMBER: 373498

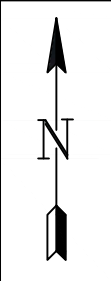
SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
668 KIEP AVENUE
JOLIET, IL, 60433



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1/30/2025	3 OF 4
SHEET NAME:	

SL-3



SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
668 KIEP AVENUE
JOLIET, IL, 60433

GSG CONSULTANTS, INC.
235 E. REMINGTON RD., SUITE 100, JOLIET, IL 60433
TEL: 815.741.1111 FAX: 815.741.1112
ILLINOIS PROFESSIONAL DESIGN FRANK BAPOZZESE

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1/30/2025	4 OF 4
SHEET NAME:	
SL-4	

LEGEND

SUSPECT ACM SAMPLE LOCATIONS: SA-668-XX

BATCH NUMBER: 373498

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 668 Kiep Ave

Batch No.: 373498

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/15/2025

Date Reported: 01/15/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373498001	SA-668-1	ND	Cellulose 5-10% Binder 90-95%
373498002	SA-668-2	ND	Cellulose 5-10% Binder 90-95%
373498003	SA-668-3	ND	Cellulose 5-10% Binder 90-95%
373498004	SA-668-4	ND	Binder 99-100%
373498005	SA-668-5	ND	Binder 99-100%
373498006	SA-668-6	ND	Binder 99-100%
373498007	SA-668-7	ND	Cellulose 1-5% Binder 95-99%
373498008	SA-668-8	ND	Cellulose 1-5% Binder 95-99%
373498009	SA-668-9	ND	Cellulose 1-5% Binder 95-99%
373498010	SA-668-10	ND	Binder 5-10% Glass 90-95%
373498011	SA-668-11	ND	Binder 5-10% Glass 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: 01/15/2025

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 668 Kiep Ave
Batch No.: 373498
Customer No.: 4651

Date Received: 01/10/2025
Date Analyzed: 01/15/2025
Date Reported: 01/15/2025
Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373498012	SA-668-12	ND	Binder 5-10% Glass 90-95%
373498013	SA-668-13	ND	Binder 95-99% Glass 1-5%
373498014	SA-668-14	ND	Binder 95-99% Glass 1-5%
373498015	SA-668-15	ND	Binder 95-99% Glass 1-5%
373498016	SA-668-16	ND	Cellulose 5-10% Binder 90-95%
373498017	SA-668-17	ND	Cellulose 5-10% Binder 90-95%
373498018	SA-668-18	ND	Cellulose 5-10% Binder 90-95%
373498019	SA-668-19	ND	Binder 99-100%
373498020	SA-668-20	ND	Binder 99-100%
373498021	SA-668-21	ND	Binder 99-100%
373498022	SA-668-22	ND	Binder 99-100%
373498023	SA-668-23	ND	Binder 99-100%
373498024	SA-668-24	ND	Binder 99-100%

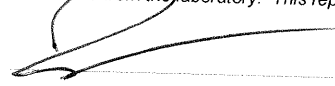
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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

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 668 Kiep Ave

Batch No.: 373498

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/15/2025

Date Reported: 01/15/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373498025	SA-668-25	ND	Cellulose 1-5% Binder 95-99%
373498026	SA-668-26	ND	Cellulose 1-5% Binder 95-99%
373498027	SA-668-27	ND	Cellulose 1-5% Binder 95-99%
373498028	SA-668-28	ND	Cellulose 1-5% Binder 95-99%
373498029	SA-668-29	ND	Cellulose 1-5% Binder 95-99%
373498030	SA-668-30	ND	Cellulose 1-5% Binder 95-99%
373498031	SA-668-31	ND	Glass 99-100%
373498032	SA-668-32	ND	Glass 99-100%
373498033	SA-668-33	ND	Glass 99-100%
373498034	SA-668-34	ND	Binder 99-100%
373498035	SA-668-35	ND	Binder 99-100%
373498036	SA-668-36	ND	Binder 99-100%
373498037	SA-668-37	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: 01/15/2025

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 668 Kiep Ave

Batch No.: 373498

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/15/2025

Date Reported: 01/15/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373498038	SA-668-38	ND	Cellulose 1-5% Binder 95-99%
373498039	SA-668-39	ND	Cellulose 1-5% Binder 95-99%
373498040	SA-668-40	ND	Cellulose 1-5% Binder 95-99%
373498041	SA-668-41	ND	Cellulose 1-5% Binder 95-99%
373498042	SA-668-42	ND	Cellulose 1-5% Binder 95-99%
373498043	SA-668-43	ND	Cellulose 1-5% Binder 95-99%
373498044	SA-668-44	ND	Cellulose 1-5% Binder 95-99%
373498045	SA-668-45	ND	Cellulose 1-5% Binder 95-99%
373498046	SA-668-46	ND	Binder 99-100%
373498047	SA-668-47	ND	Binder 99-100%
373498048	SA-668-48	ND	Binder 99-100%
373498049	SA-668-49	ND	Binder 99-100%

ND = Asbestos Not Detected (Not Present)

NA = Not Analyzed

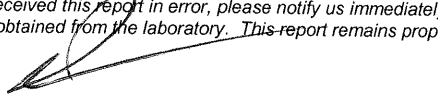
NS = Not Submitted

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Analyzed by Name :



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 668 Kiep Ave

Batch No.: 373498

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/15/2025

Date Reported: 01/15/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373498050	SA-668-50	ND	Binder 99-100%
373498051	SA-668-51	ND	Binder 99-100%
373498052	SA-668-52	ND	Binder 85-90% Glass 10-15%
373498053	SA-668-53	ND	Binder 85-90% Glass 10-15%
373498054	SA-668-54	ND	Binder 85-90% Glass 10-15%
373498055	SA-668-55	ND	Binder 85-90% Glass 10-15%
373498056	SA-668-56	ND	Binder 85-90% Glass 10-15%
373498057	SA-668-57	ND	Binder 85-90% Glass 10-15%
373498058	SA-668-58	ND	Binder 85-90% Glass 10-15%
373498059	SA-668-59	ND	Binder 85-90% Glass 10-15%
373498060	SA-668-60	ND	Binder 85-90% Glass 10-15%

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

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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 668 Kiep Ave

Batch No.: 373498

Customer No.: 4651

Date Received: 01/10/2025

Date Analyzed: 01/15/2025

Date Reported: 01/15/2025

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373498061	SA-668-61	ND	Binder 85-90% Glass 10-15%
373498062	SA-668-62	ND	Binder 85-90% Glass 10-15%
373498063	SA-668-63	ND	Binder 85-90% Glass 10-15%

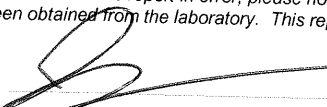
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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

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

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Analyzed by Name :


Zineb Nasri / Microscopist



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

Page 1 of 5

373498

wood siding
single story (Bent / Alt.)
no garage

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: 668 KIEP AVE.	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: 01/09/2025 BY	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
SA-668-1	HA #1	Dynall system LIV. RM
2	↓	White Bedroom 1
3	↓	Bathroom 2
4	2	Grout / mortar
5	↓	2'x2' Ceramic tile Bathroom
6	↓	
7	3	Carpet Cushion / level. BR-1
8	↓	
9	↓	
10	4	Light Dome insulation
11	↓	
12	↓	
13	5	4"x4" Pattern Linoleum Flooring kitchen
14	↓	
15	↓	

TURN AROUND TIME:

1 Day
2 Days
3 Days

COMMENTS: E-mail Results to:
epahomi@gsg-consultants.com sazeem@gsg-consultants.com

(5 Day) Other

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:	Date:	Time:

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



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Schaumburg, IL 60173

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Page 2 of 5

373498

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: 668 KIEP AVE.	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: 01/09/2025	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
SA-668-16	HA #6	Drywall System Bathroom
17	↓	↓
18	↓	↓
19	7	Caulking, Bathroom White
20	↓	Bathroom
21	↓	↓
22	8	Caulking, Kitchen Window Interior
23	↓	↓
24	↓	↓
25	9	Ceiling, Textured - Living Room
26	↓	White
27	↓	↓
28	10	Carpet Cushion/Level living Rm
29	↓	↓
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:	Date:	Time:

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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373498

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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: 668 KIEP AVE.	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: 01/09/2025	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
SA-668-31	HA # 11	Attic Floor Insulation Bottom
32	↓	↓
33	↓	↓
34	12	Caulk - Ext - Door (Bent)
35	↓	↓
36	↓	↓
37	13	Textured Paint - Exterior - Bottom
38	↓	↓
39	↓	↓
40	14	Ext. Siding Caulk - White
41	↓	↓
42	↓	↓
43	15	Ext. Window Caulk
44	↓	↓
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>8:50am</u>
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by:	Date:	Time:

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

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

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Page 4 of 5

373498

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: 668 KIEP AVE.	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: 01/09/2025	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
SA-668-46	HA#16	Textured Paint, white, Exterior
47	↓	↓
48	↓	↓
49	17	Plaster, Brown, Basement
50	↓	↓
51	↓	↓
52	18	Tar Paper, Black- Roof
53	↓	↓
54	↓	↓
55	19	Shingle Layer #1, Black/ Brown
56	↓	↓
57	↓	↓
58	20	Shingle Layer #2- Roof Black/ white
59	↓	↓
60	↓	↓

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:	Date:	Time:

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

APPENDIX B

Reference Photographs



Material Description:
Suspect ACM Drywall
System

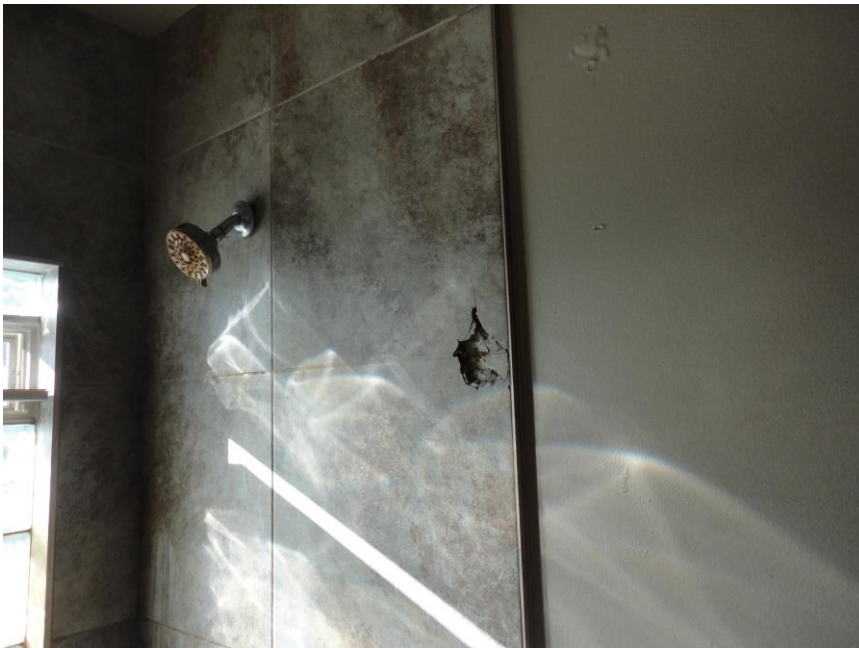
Photo Location:
Living Room

**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 2'x2' Ceramic
Tile Grout/Mortar

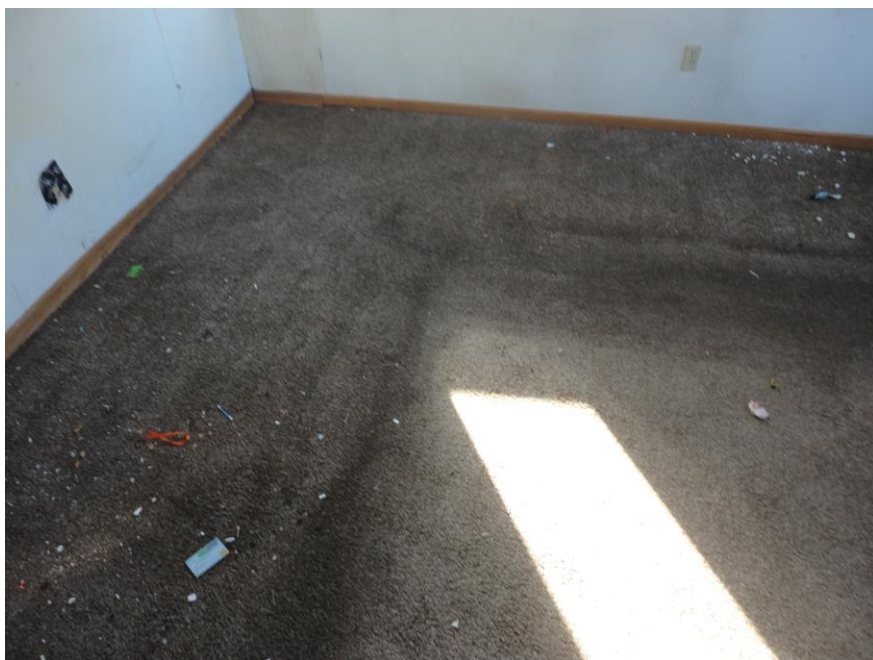
Photo Location:
Bathroom

**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 Carpet
Cushion

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 Light Dome
Insulation

Photo Location:
Bedroom

**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" Pattern
Linoleum Flooring

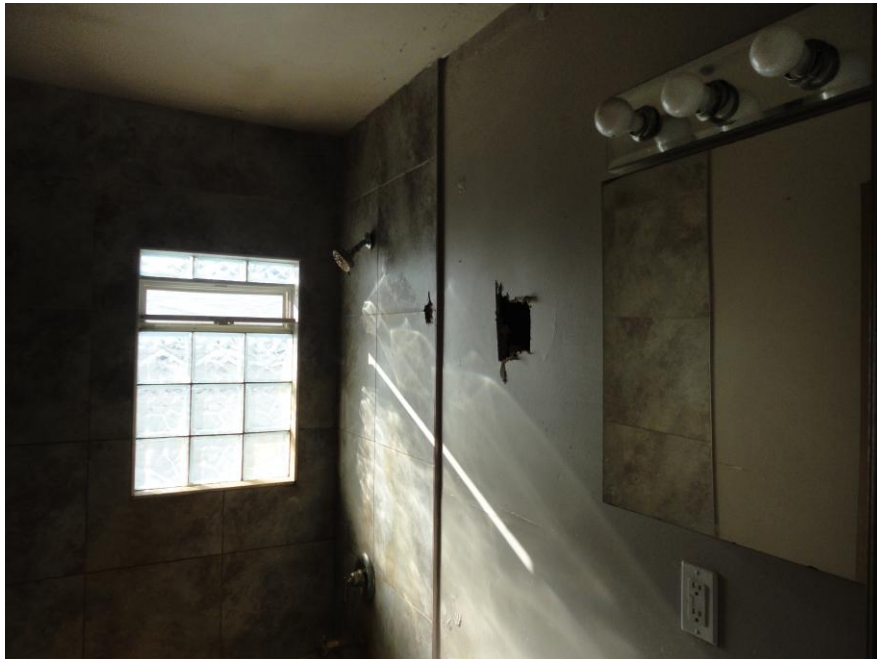
Photo Location:
Kitchen

**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:
Suspect ACM Drywall
System

Photo Location:
Bathroom

**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 Textured
Ceiling

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 Carpet
Cushion

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 Floor
Insulation

Photo Location:
Attic

**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 Exterior
Window Caulk

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 Siding Caulk,
White Textured Paint,
Brown Textured Paint

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 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 Roof Shingle
Layers and Tar Paper

Photo Location:
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

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.					

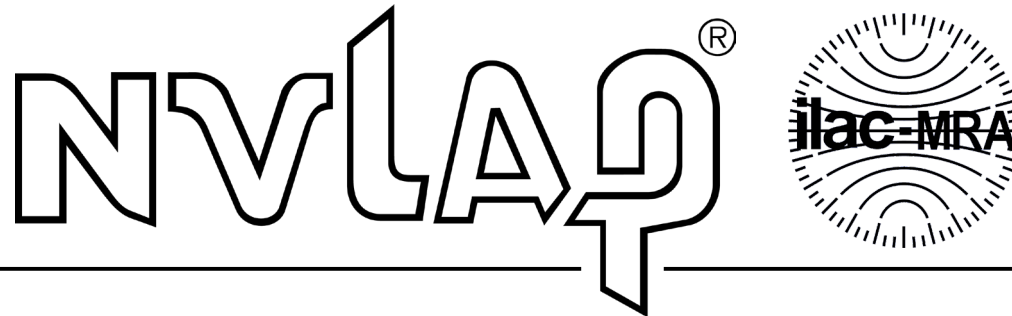
If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

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

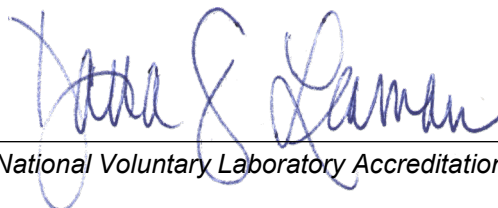
NVLAP LAB CODE 101202-0

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