

ASBESTOS SURVEY REPORT

PTB 198-003

Asbestos Survey for Building Demolition (I-80)

663 Water 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:



June 24, 2025



June 24, 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
663 Water Street, Joliet, IL
Parcel No. 1P10181

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:  June 24, 2025
Erin Pahomi
Asbestos Building Inspector
Inspector License No: 100-20674
Date

Reviewed By:  June 24, 2025
Thaddeus Cagney, LPG
Senior Project Manager
Date


QA Manager:  June 24, 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:	663 Water 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:	1910
Parcel No.	1P10181	Building Size:	836 SF

ASBESTOS CONTAINING MATERIALS	
Survey Date:	June 10, 2025
Weather Conditions:	68°F, Sunny
By Whom:	
Firm:	GSG Consultants, Inc
Inspector:	Tim Walsh
IDPH License No.	100-08900
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>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. 1P10181
Residential Property
663 Water 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	Plaster	Throughout	Surf.	Good	No	ND	3	N/A
2	White & Blue Linoleum	Bathroom	Misc.	Good	No	ND	3	N/A
3	Tan Linoleum (Under Wood Floor)	Bathroom	Misc.	Good	No	ND	3	N/A
4	Interior Window Caulk	Throughout	Misc.	Good	No	ND	3	N/A
5	Window Glazing	Throughout	Misc.	Good	No	ND	3	N/A
6	Textured Plaster Ceiling	Throughout	Surf.	Good	No	ND	3	N/A
7	2'x4' Ceiling Tile	Kitchen	Misc.	Good	No	ND	3	N/A
8	Insulation	Attic	TSI	Good	No	ND	3	N/A
9	Chimney Brick	Basement	Misc.	Good	No	ND	3	N/A
10	Transite Siding	Exterior House & Garage	Misc.	Good	No	Chrysotile 10-15%	3	1500 SF
11	Vapor Barrier	Exterior	Misc.	Good	No	ND	3	N/A
12	Window Caulk	Exterior	Misc.	Good	No	ND	3	N/A
13	Siding Caulk	Exterior	Misc.	Good	No	ND	3	N/A
14	Roofing Material (3 Layers)	House Roof	Misc.	Good	No	ND	3	N/A
15	Roofing Material (3 Layers)	Garage Roof	Misc.	Good	No	ND	3	N/A
16	White Door Caulk	Interior Garage	Misc.	Good	No	ND	3	N/A
17	White Window Glazing	Interior Garage	Misc.	Good	No	ND	3	N/A



HA No.	Material Description	Location	Type ⁽¹⁾	Condition	Friable	% Asbestos*	# of Samples	Estimated Quantity ⁽²⁾
18	Chimney Flashing	House Roof	Misc.	Good	No	ND	3	N/A
Total Estimated Quantity of ACM								1500 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. 1P10181 located at 663 Water Street in Joliet, Illinois. The site is improved with a single-floor family house with an attic, basement and a detached garage. The house was constructed in 1910 and is approximately 836 square feet in size with an unfinished basement and an asphalt shingled. The interior walls and ceilings are plaster and the floors are wood and linoleum. 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)

Each identified suspect homogeneous material was placed in one of the following EPA classifications:

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):

- Plaster
- White & Blue Linoleum
- Tan Linoleum (Under Wood Floor)
- Interior Window Caulk
- Window Glazing
- Textured Plaster Ceiling
- 2'x4' Ceiling Tile
- Attic Insulation
- Chimney Brick
- Transite Siding
- Vapor Barrier
- Window Caulk
- Siding Caulk
- House Roofing Material (3 Layers)
- Garage Roofing Material (3 Layers)
- White Door Caulk
- White Window Glazing
- Chimney Flashing

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.

It should be noted that some ACMs might not be accurately identified and/or quantified by PLM. As an example, the original fabrication of vinyl floor tiles routinely involved milling of asbestos fibers to extremely small sizes. As a result, these fibers may go undetected under the standard PLM methods. Transmission Electron Microscopy (TEM) is required for a more definitive analysis of these materials. This survey revealed the presence of floor tiles with less than 1% asbestos via PLM analysis. GSG recommends additional analysis by TEM as described above and recommended by the Illinois Department of Public Health.

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 **ACMs**:

- Transite Siding

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. As the floor tile identified as asbestos containing is a Category I non-friable material which is not likely to become friable during demolition, it does not need to be removed prior to demolition.

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:

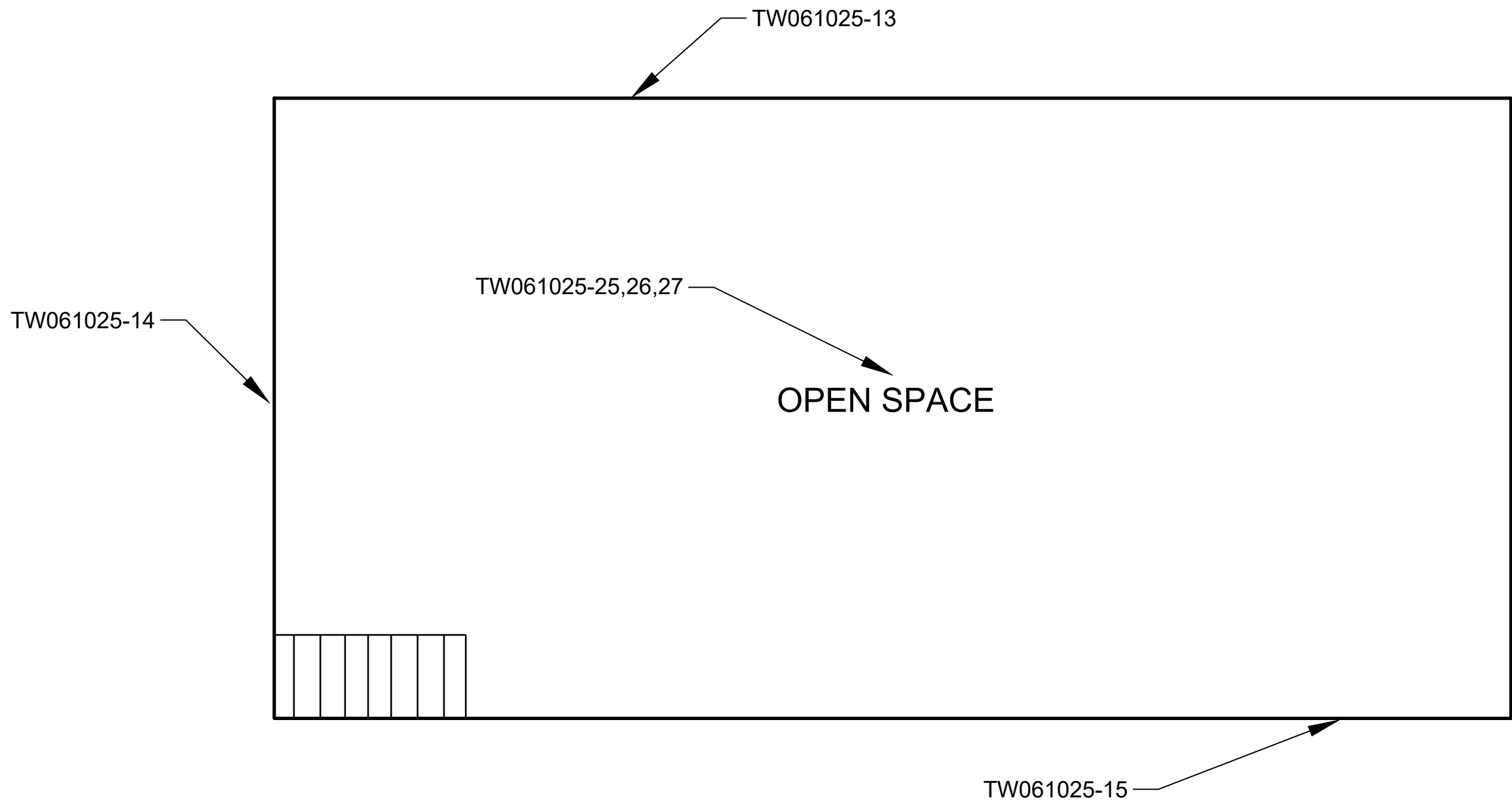
<u>Tim Walsh</u>	<u>100-08900</u>
Asbestos Inspector's Name	IDPH License Number
<u></u>	<u>06.18.2025</u>
Asbestos Inspector's Signature	Date

EXHIBITS

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

EXHIBIT 1

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



BASEMENT
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: TW061025-XX
BATCH NUMBER: 375125

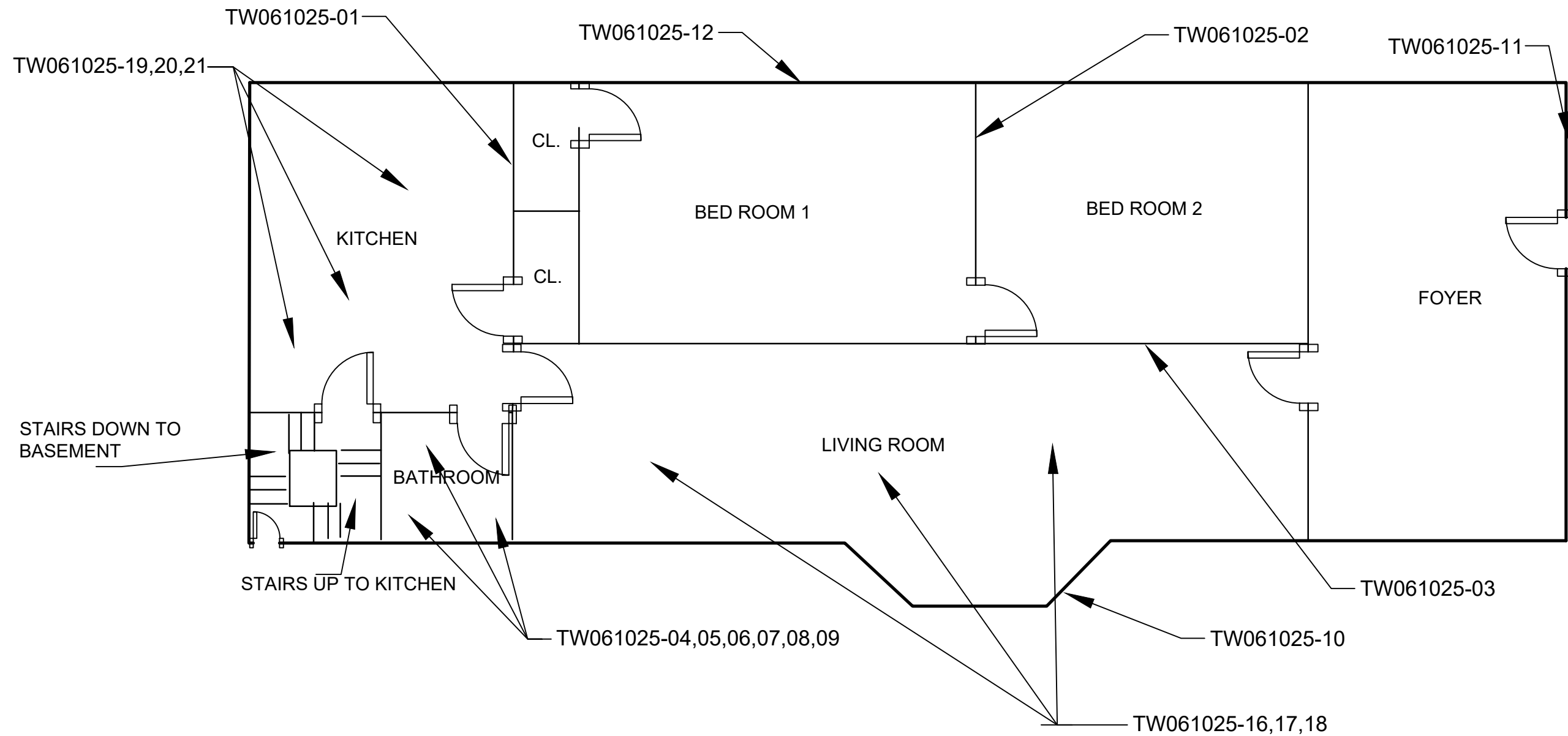
SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
663 WATER STREET
JOLIET, IL, 60433



DRAWN BY:	PROJECT:
CC	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
6/13/2025	1 OF 4
SHEET NAME:	

SL-1



FIRST FLOOR
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: TW061025-XX
BATCH NUMBER: 375125

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

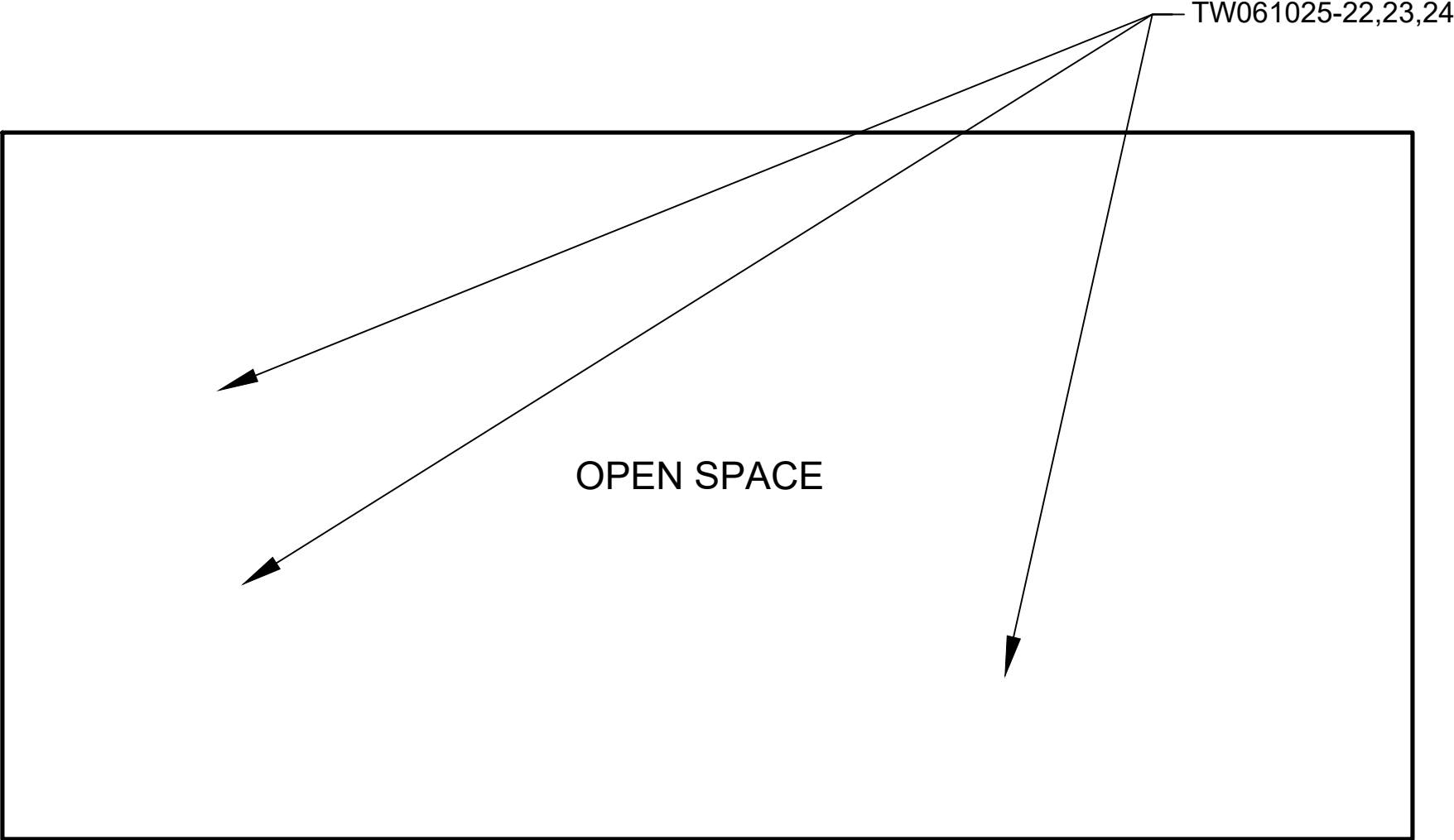
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
663 WATER STREET
JOLIET, IL, 60433

GSG CONSULTANTS, INC.
745 E. BROADWAY, SUITE 200, JOLIET, IL 60433
TEL: 815.733.1111 FAX: 815.733.1112
ILLINOIS PROFESSIONAL DESIGN FIRM 18-0000000



DRAWN BY:	PROJECT:
CC	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
06/13/2025	2 OF 4
SHEET NAME:	

SL-2



ATTIC
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: TW061025-XX
BATCH NUMBER: 375125

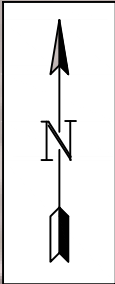
SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
663 WATER STREET
JOLIET, IL, 60433



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TC	NTS
DATE:	SHEET #:
06/13/2025	3 OF 4
SHEET NAME:	

SL-3



SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
663 WATER STREET
JOLIET, IL, 60433

GSG CONSULTANTS, INC.
1815 E. RIVERVIEW AVE., SUITE 100, JOLIET, IL 60433
TEL: 815/741-1111 FAX: 815/741-1112
ILLINOIS PROFESSIONAL DESIGN FIRM 18-000002

DRAWN BY:	PROJECT:
CC	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
06/16/2025	4 OF 4
SHEET NAME:	
SL-4	

LEGEND

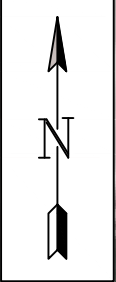
SUSPECT ACM SAMPLE LOCATIONS: TW061025-XX

BATCH NUMBER: 375125

RED SAMPLES TESTED POSITIVE FOR ASBESTOS

EXHIBIT 2

ACM-1 ACM Location Plan




LEGEND

TRANSITE SIDING

ASBESTOS-CONTAINING MATERIALS LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
663 WATER STREET
JOLIET, IL, 60433



GSG CONSULTANTS, INC.
7825 E. REMINGTON RD., SCHWARTZVILLE, IL 60173
TEL: 630-261-1100 FAX: 630-261-1101
ILLINOIS PROFESSIONAL DESIGN FIRM 184-000822

DRAWN BY:	PROJECT:
CC	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
6/24/2025	1 OF 1
SHEET NAME:	

ACM-1

APPENDIX A

Analytical Testing Results

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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

Reference:

Location: 663 Water
Batch No.: 375125
Customer No.: 4651

Date Received: 06/12/2025
Date Analyzed: 06/18/2025
Date Reported: 06/18/2025
Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
375125001	TW061025-1	ND	Cellulose 1-5% Binder 95-99%
375125002	TW061025-2	ND	Cellulose 1-5% Binder 95-99%
375125003	TW061025-3	ND	Cellulose 1-5% Binder 95-99%
375125004	TW061025-4	ND	Binder 99-100%
375125005	TW061025-5	ND	Binder 99-100%
375125006	TW061025-6	ND	Binder 99-100%
375125007	TW061025-4M	ND	Binder 99-100%
375125008	TW061025-5M	ND	Binder 99-100%
375125009	TW061025-6M	ND	Binder 99-100%
375125010	TW061025-7	ND	Binder 99-100%
375125011	TW061025-8	ND	Binder 99-100%
375125012	TW061025-9	ND	Binder 99-100%
375125013	TW061025-7M	ND	Binder 99-100%
375125014	TW061025-8M	ND	Binder 99-100%
375125015	TW061025-9M	ND	Binder 99-100%
375125016	TW061025-10	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.

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

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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

Reference: Date Received: 06/12/2025
Location: 663 Water Date Analyzed: 06/18/2025
Batch No.: 375125 Date Reported: 06/18/2025
Customer No.: 4651 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
375125017	TW061025-11	ND	Binder 99-100%
375125018	TW061025-12	ND	Binder 99-100%
375125019	TW061025-13	ND	Cellulose 1-5% Binder 95-99%
375125020	TW061025-14	ND	Cellulose 1-5% Binder 95-99%
375125021	TW061025-15	ND	Cellulose 1-5% Binder 95-99%
375125022	TW061025-16	ND	Cellulose 1-5% Binder 95-99%
375125023	TW061025-17	ND	Cellulose 1-5% Binder 95-99%
375125024	TW061025-18	ND	Cellulose 1-5% Binder 95-99%
375125025	TW061025-19	ND	Cellulose 95-99% Binder 1-5%
375125026	TW061025-20	ND	Cellulose 95-99% Binder 1-5%
375125027	TW061025-21	ND	Cellulose 95-99% Binder 1-5%

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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ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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

Reference:

Location: 663 Water

Batch No.: 375125

Customer No.: 4651

Date Received: 06/12/2025

Date Analyzed: 06/18/2025

Date Reported: 06/18/2025

Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
375125028	TW061025-22	ND	Binder 1-5% Glass 95-99%
375125029	TW061025-23	ND	Binder 1-5% Glass 95-99%
375125030	TW061025-24	ND	Binder 1-5% Glass 95-99%
375125031	TW061025-25	ND	Binder 99-100%
375125032	TW061025-26	ND	Binder 99-100%
375125033	TW061025-27	ND	Binder 99-100%
375125034	TW061025-28	Chrysotile 10-15%	Binder 85-90%
375125035	TW061025-29	NA	
375125036	TW061025-30	NA	
375125037	TW061025-31	ND	Cellulose 80-85% Binder 15-20%
375125038	TW061025-32	ND	Cellulose 80-85% Binder 15-20%
375125039	TW061025-33	ND	Cellulose 80-85% Binder 15-20%
375125040	TW061025-34	ND	Cellulose 1-5% Binder 95-99%

ND = Asbestos Not Detected (Not Present)

NA = Not Analyzed

NS = Not Submitted

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ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

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

Reference:

Location: 663 Water
Batch No.: 375125
Customer No.: 4651

Date Received: 06/12/2025

Date Analyzed: 06/18/2025

Date Reported: 06/18/2025

Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
375125041	TW061025-35	ND	Cellulose 1-5% Binder 95-99%
375125042	TW061025-36	ND	Cellulose 1-5% Binder 95-99%
375125043	TW061025-37	ND	Cellulose 1-5% Binder 95-99%
375125044	TW061025-38	ND	Cellulose 1-5% Binder 95-99%
375125045	TW061025-39	ND	Cellulose 1-5% Binder 95-99%
375125046	TW061025-40	ND	Binder 85-90% Glass 10-15%
375125047	TW061025-41	ND	Binder 85-90% Glass 10-15%
375125048	TW061025-42	ND	Binder 85-90% Glass 10-15%
375125049	TW061025-43	ND	Binder 85-90% Glass 10-15%
375125050	TW061025-44	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/M4-82-020

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

Reference:

Location: 663 Water

Batch No.: 375125

Customer No.: 4651

Date Received: 06/12/2025

Date Analyzed: 06/18/2025

Date Reported: 06/18/2025

Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
375125051	TW061025-45	ND	Binder 85-90% Glass 10-15%
375125052	TW061025-46	ND	Binder 99-100%
375125053	TW061025-47	ND	Binder 99-100%
375125054	TW061025-48	ND	Binder 99-100%
375125055	TW061025-49	ND	Binder 99-100%
375125056	TW061025-50	ND	Binder 99-100%
375125057	TW061025-51	ND	Binder 99-100%
375125058	TW061025-52	ND	Cellulose 10-15% Binder 85-90%
375125059	TW061025-53	ND	Cellulose 10-15% Binder 85-90%
375125060	TW061025-54	ND	Cellulose 10-15% Binder 85-90%

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: 06/18/2025



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

Page 1 of 4

375125

PLM BULK LABORATORY ANALYSIS FORM

Project Name:		Project Manager:	
Project Number:		Building Inspector:	
Project Address: <u>663 Winter</u>		IDPH Number:	
City/ State:		Work Day: S M T W TH F S	
Client:		Analyze by Method:	
Date: <u>6/10/25</u>		EPA/600/R-93-116	

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<u>TW061025 - 1</u>	<u>HA-1</u>	<u>Plaster - Throughout</u>
<u>2</u>	<u>1</u>	<u>1</u>
<u>3</u>	<u>1</u>	<u>1</u>
<u>4</u>	<u>HA-2</u>	<u>White w/ Blue Linoleum - Bathroom</u>
<u>5</u>	<u>1</u>	<u>1</u>
<u>6</u>	<u>1</u>	<u>1</u>
<u>7</u>	<u>HA-3</u>	<u>Tan Linoleum under wood - Bathroom</u>
<u>8</u>	<u>1</u>	<u>1</u>
<u>9</u>	<u>1</u>	<u>1</u>
<u>10</u>	<u>HA-4</u>	<u>Interior Window Caulk - 8 windows</u>
<u>11</u>	<u>1</u>	<u>Newer Windows</u>
<u>12</u>	<u>1</u>	<u>1</u>
<u>13</u>	<u>HA-5</u>	<u>Window Glazing - 15 windows - Old</u>
<u>14</u>	<u>1</u>	<u>1</u>
<u>15</u>	<u>1</u>	<u>1</u>

TURN AROUND TIME:	1 Day 2 Days 3 Days (5 Day) Other	COMMENTS: E-mail Results to: epahomi@gsg-consultants.com <u>twalsh</u> STOP AT FIRST POSITIVE
-------------------	--	---

CHAIN OF CUSTODY RECORD

Collected By (Signature) <u>Tom Walsh</u>	Date: <u>6/10/25</u>	Time:	Relinquished by (Signature) <u>Tom Walsh</u>	Date: <u>6/11/25</u>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <u>Miriam Polity</u>	Date: <u>6/11/25</u>	Time: <u>16:00</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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PLM BULK LABORATORY ANALYSIS FORM

Project Name:		Project Manager:	
Project Number:		Building Inspector:	
Project Address: 663 Water		IDPH Number:	
City/ State:		Work Day: S M T W TH F S	
Client:		Analyze by Method:	
Date: 6/10/25		EPA/600/R-93-116	

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
TW061025-16	HA-6	Textured ceiling Plaster
17	↓	↓
18	↓	↓
19	HA-7	2x4 ceiling Tile - Kitchen
20	↓	↓
21	↓	↓
22	HA-8	Attic Insulation
23	↓	↓
24	↓	↓
25	HA-9	Chimney Brick
26	↓	↓
27	↓	↓
28	HA-10	Transite Siding
29	↓	↓
30	↓	↓

TURN AROUND TIME: 1 Day 2 Days 3 Days <input checked="" type="radio"/> (5 Day) Other	COMMENTS: E-mail Results to: epahomi@gsg-consultants.com twalsh STOP AT FIRST POSITIVE
---	---

CHAIN OF CUSTODY RECORD

Collected By (Signature): <i>Tom Walsh</i>	Date: 6/10/25	Time:	Relinquished by (Signature): <i>Tom Walsh</i>	Date: 6/11/25	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>M. Zamboni</i>	Date: 6/11/25	Time: 16:00

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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Page 3 of 4

375125

PLM BULK LABORATORY ANALYSIS FORM

Project Name:		Project Manager:	
Project Number:		Building Inspector:	
Project Address: <u>663 Water</u>		IDPH Number:	
City/ State:		Work Day: S M T W TH F S	
Client:		Analyze by Method:	
Date: <u>6/10/25</u>		EPA/600/R-93-116	

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<u>TW061025-31</u>	<u>HA-11</u>	<u>Vapor Barrier - BLK</u>
<u>32</u>	<u>I</u>	<u>I</u>
<u>33</u>	<u>I</u>	<u>I</u>
<u>34</u>	<u>HA-12</u>	<u>Exterior Window - BLK</u>
<u>35</u>	<u>I</u>	<u>I</u>
<u>36</u>	<u>I</u>	<u>I</u>
<u>37</u>	<u>HA-13</u>	<u>Exterior Siding Caulk</u>
<u>38</u>	<u>I</u>	<u>I</u>
<u>39</u>	<u>I</u>	<u>I</u>
<u>40</u>	<u>HA-14</u>	<u>Roofing Material 3 Layers - House</u>
<u>41</u>	<u>I</u>	<u>I</u>
<u>42</u>	<u>I</u>	<u>I</u>
<u>43</u>	<u>HA-15</u>	<u>Roofing Material - 3 Layers Garage</u>
<u>44</u>	<u>I</u>	<u>I</u>
<u>45</u>	<u>I</u>	<u>I</u>

TURN AROUND TIME: 1 Day 2 Days 3 Days (5 Day) Other	COMMENTS: E-mail Results to: epahomi@gsg-consultants.com <u>tw061025</u> <u>I</u> STOP AT FIRST POSITIVE
--	---

CHAIN OF CUSTODY RECORD

Collected By (Signature) <u>Tom White</u>	Date: <u>6/10/25</u>	Time:	Relinquished by (Signature) <u>Tom White</u>	Date: <u>6/11/25</u>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	<u>Mizora P. G. A.</u> Received for Laboratory by:	Date: <u>6/11/25</u>	Time: <u>16:00</u>

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

375125

PLM BULK LABORATORY ANALYSIS FORM

Project Name:		Project Manager:	
Project Number:		Building Inspector:	
Project Address: 663 Weber		IDPH Number:	
City/ State:		Work Day: S M T W TH F S	
Client:		Analyze by Method:	
Date: 6/10/25		EPA/600/R-93-116	
Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)	
Tw2061025 46	HA-16	white door caulk - garage	
47	1	1	
48	1	1	
49	HA-17	white window glazing	
50	1	1	
51	1	1	
52	HA-18	Chimney Flashing	
53	1	1	
54	1	1	
TURN AROUND TIME:		COMMENTS: E-mail Results to:	
1 Day		epahomi@gsg-consultants.com	
2 Days		tw2061025 1	
3 Days		STOP AT FIRST POSITIVE	
(5 Day) Other			





CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD					
Collected By(Signature) <i>[Signature]</i>	Date: <i>6/10/25</i>	Time:	Relinquished by (Signature) <i>[Signature]</i>	Date: <i>6/11/25</i>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	<i>[Signature]</i> Received for Laboratory by:	Date: <i>6/11/25</i>	Time: <i>16:00</i>

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

APPENDIX B

Reference Photographs

		Material Description: White Drywall Plaster
		Photo Location: Throughout
ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 OVER DES PLAINES RIVER BRIDGE IMPROVEMENTS	 GSG Consultants, Inc. 735 Remington Road Schaumburg, Illinois 60173	Date: 06/10/2025
		Material Description: White w/ Blue Linoleum
		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: 06/10/2025



Material Description:
Tan Linoleum (Under
Wood)

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:
06/10/2025



Material Description:
Interior Window Caulk &
Glazing

Photo Location:
Throughout


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




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

Date:
06/10/2025

		Material Description: White Textured Plaster 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: 06/10/2025
		Material Description: 2'x4' Ceiling Tile
		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: 06/10/2025

	Material Description: 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: 06/10/2025
--	---	----------------------------

	Material Description: Chimney Brick
	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: 06/10/2025
--	---	----------------------------



Material Description:
Chimney Flashing

Photo Location:
Exterior Roof (Home)

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



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

Date:
06/10/2025



Material Description:
Transite Siding - **Tested
Positive for Asbestos**

Photo Location:
Exterior House

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



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

Date:
06/10/2025

		Material Description: Vapor Barrier
		Photo Location: Exterior House
ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 OVER DES PLAINES RIVER BRIDGE IMPROVEMENTS	 GSG Consultants, Inc. 735 Remington Road Schaumburg, Illinois 60173	Date: 06/10/2025
		Material Description: Black Window Caulk
		Photo Location: Exterior House
ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 OVER DES PLAINES RIVER BRIDGE IMPROVEMENTS	 GSG Consultants, Inc. 735 Remington Road Schaumburg, Illinois 60173	Date: 06/10/2025

		<p>Material Description: White Siding Caulk</p>
		<p>Photo Location: Exterior House</p>
<p>ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 OVER DES PLAINES RIVER BRIDGE IMPROVEMENTS</p>	<p>  GSG Consultants, Inc. 735 Remington Road Schaumburg, Illinois 60173 </p>	<p>Date: 06/10/2025</p>

APPENDIX C

Inspector Licenses and Training Certifications



BLIC HEALTH

et • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

4/22/2025

NSE ID NUMBER: 08900

License. Please note the expiration date on the card and in the image

THE ASBESTOS PROFESSIONAL LICENSE

Back of License

PROFESSIONAL LICENSE	ENDORSEMENTS	TC EXPIRES
	INSPECTOR	1/18/2026
EXPIRES 05/15/2026	PROJECT MANAGER	10/2/2025
	AIR SAMPLING PROFESSIONAL	



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.

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

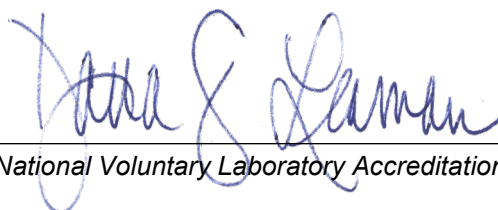
NVLAP LAB CODE 101202-0

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