

# ASBESTOS SURVEY REPORT

**PTB 196-032**

**Asbestos Survey for Building Demolition (I-80) at Gardner Road Bridge  
510 Market 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:*



November 7, 2024



November 7, 2024

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  
510 Market Street, Joliet, IL  
Parcel No. 1P10111


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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:	<u></u>	<u>November 7, 2024</u>
	Erin Pahomi	Date
	Asbestos Building Inspector	
	Inspector License No: 100-20674	

Reviewed By:	<u></u>	<u>November 7, 2024</u>
	Thaddeus Cagney, LPG	Date
	Senior Project Manager	

QA Manager:	<u></u>	<u>November 7, 2024</u>
	Ala E Sassila, Ph.D., PE	Date

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**ACRONYMS AND ABBREVIATIONS**

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

# Asbestos Survey Report

510 Market Street, Joliet, IL

## SURVEY SUMMARY

SITE INFORMATION			
FAP Route:	FAI-80 (I-80)	Address:	510 Market 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:	1920
Parcel No.	1P10111	Building Size:	440

## ASBESTOS CONTAINING MATERIALS

Survey Date:	October 24, 2024
Weather Conditions:	47°F, Sunny
By Whom:	
Firm:	GSG Consultants, Inc
Inspector:	Erin Pahomi
IDPH License No.	100-20674
Results:	<p>Number of Material Types Sampled <b><u>11</u></b></p> <p>Number of Samples Collected: <b><u>33</u></b></p> <p>Number of Materials Tested Positive: <b><u>1</u></b></p> <p>Was Friable ACM Found? <b><u>Yes</u></b></p> <p>Were Roofing Materials Sampled? <b><u>Yes</u></b> (except chimney)</p> <p>Are There Unique State or Local Requirements? <b><u>No</u></b></p>
Laboratory Used:	<p>Name: Sterling Labs</p> <p>Address: 2242 W. Harrison Street, Chicago, Illinois</p> <p>NVLAP: 101202-0</p>
Building Access Limitations:	Unable to safely access chimney

# Asbestos Survey Report

510 Market Street, Joliet, IL

## ASBESTOS-CONTAINING MATERIALS (ACM) SURVEY RESULTS:

**Parcel No. 1P10111**  
**Residential Property**  
**510 Market 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 <sup>(1)</sup>	Condition	Friable	% Asbestos*	# of Samples	Estimated Quantity <sup>(2)</sup>
1	Brown Roof Shingle	Roof	Misc.	Good	No	ND	3	N/A
2	Black Roof Shingle	Roof	Misc.	Good	No	ND	3	N/A
3	Black Roof Felt Paper	Roof	Misc.	Good	No	ND	3	N/A
4	Exterior White Window Caulk	Exterior	Misc.	Good	No	ND	3	N/A
5	Asphaltic Siding	Exterior	Misc.	Good	No	ND	3	N/A
6	1'x1' White Ceiling Tile	Throughout	Misc.	Good	No	ND	3	N/A
7	Drywall	Throughout	Misc.	Good	No	ND	3	90 SF
8	Plaster	Bathroom	Surf.	Good	No	ND	3	N/A
9	Insulation	Bathroom	TSI	Good	No	ND	3	N/A
10	Pipe Insulation	Bedroom Closet	TSI	Good	Yes	Chrysotile 10-15%	3	10 LF
11	Tub Caulk	Bathroom	Misc.	Good	No	ND	3	N/A
12	Chimney Brick	Roof	Misc.	Good	No	Assumed	N/A	40 SF
13	Chimney Flashing	Roof	Misc.	Good	No	Assumed	N/A	5 LF
Total Estimated Quantity of ACM								40 SF/ 15 LF

(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

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GSG Consultants Inc. (GSG) conducted an Asbestos Survey at Parcel No. 1P10111, located at 510 Market Street in Joliet, Illinois. The site is improved with a one-story single-family house. The house was constructed in 1920 and is approximately 440 square feet in size with an unfinished basement and an asphalt shingled roof. Interior walls and ceilings are drywall and plaster. The floors are wood and covered with carpet. The building exterior is masonry and wood construction 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

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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 33 bulk samples of suspect ACM, three (3) samples for each of the 11 homogeneous areas, were collected from various homogeneous areas of the buildings. Bulk samples were collected from the following materials/homogeneous area(s):

- Brown Roof Shingle
- Black Roof Shingle
- Black Roof Felt Paper
- Exterior White Window Caulk
- Asphaltic Siding
- 1'x1' White Ceiling Tile
- Drywall
- Plaster
- Insulation
- Pipe Insulation
- Tub Caulk
- **Chimney Brick (Assumed)**
- **Chimney Flashing (Assumed)**

**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

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### 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 11 HAs from which 33 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 **HAs were confirmed** to be **ACMs**:

- HA-10: Pipe Insulation, located in the bedroom closet.

The following **HAs were assumed** to be **ACMs**:

- Chimney Brick
- Chimney Flashing

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

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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

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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

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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>Erin Pahomi</u>	<u>100-20674</u>
Asbestos Inspector's Name	IDPH License Number
	<u>11.5.2024</u>
Asbestos Inspector's Signature	Date

## EXHIBITS

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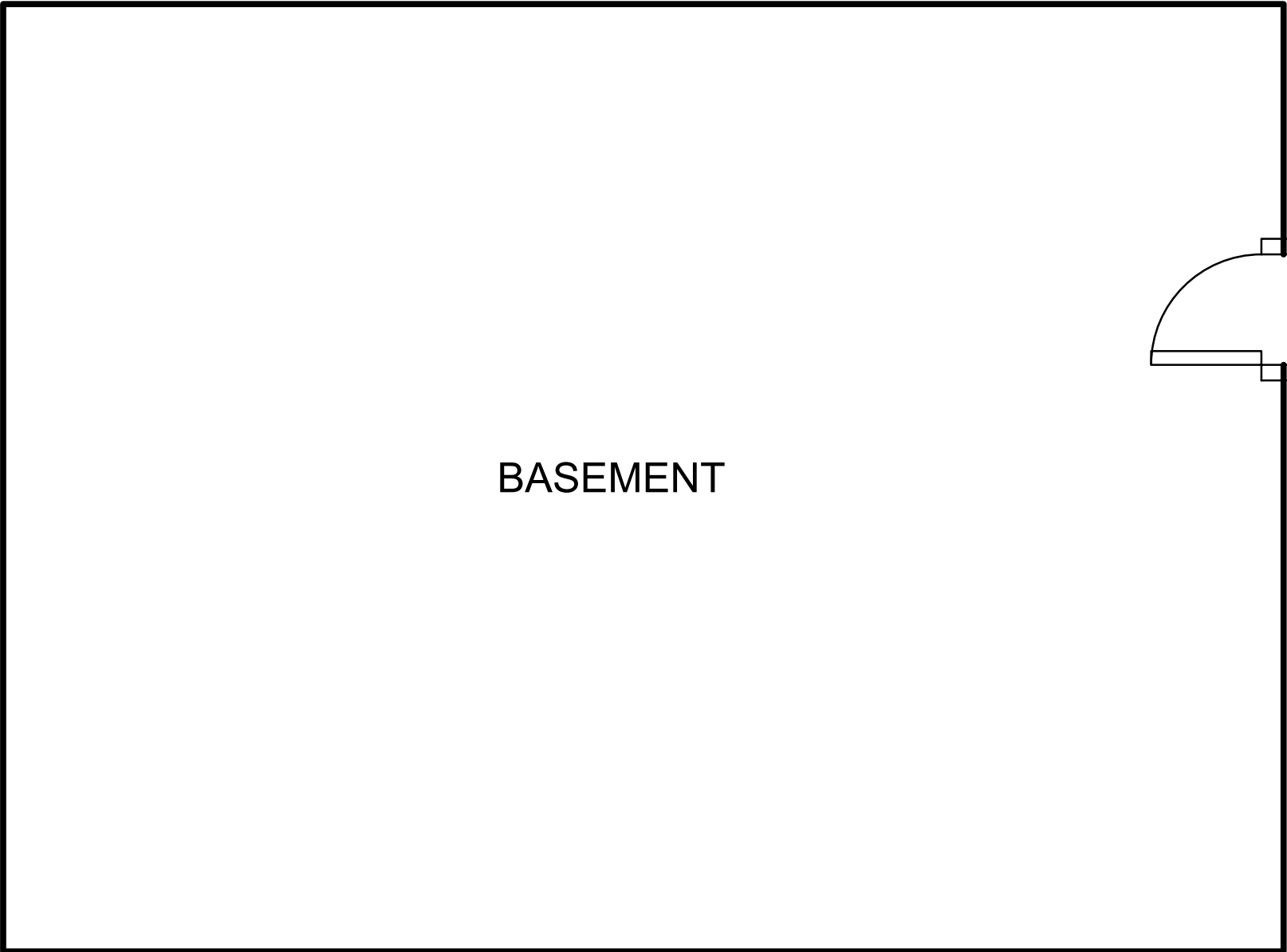
<b>Exhibit 1</b>	<b>Suspect ACM Sample Location Plans</b>
<b>Exhibit 2</b>	<b>Asbestos-Containing Materials Location Plans</b>



## EXHIBIT 1

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



BASEMENT

BASEMENT  
SCALE = N.T.S.



\*NO SUSPECT ACM WAS IDENTIFIED IN THE BASEMENT

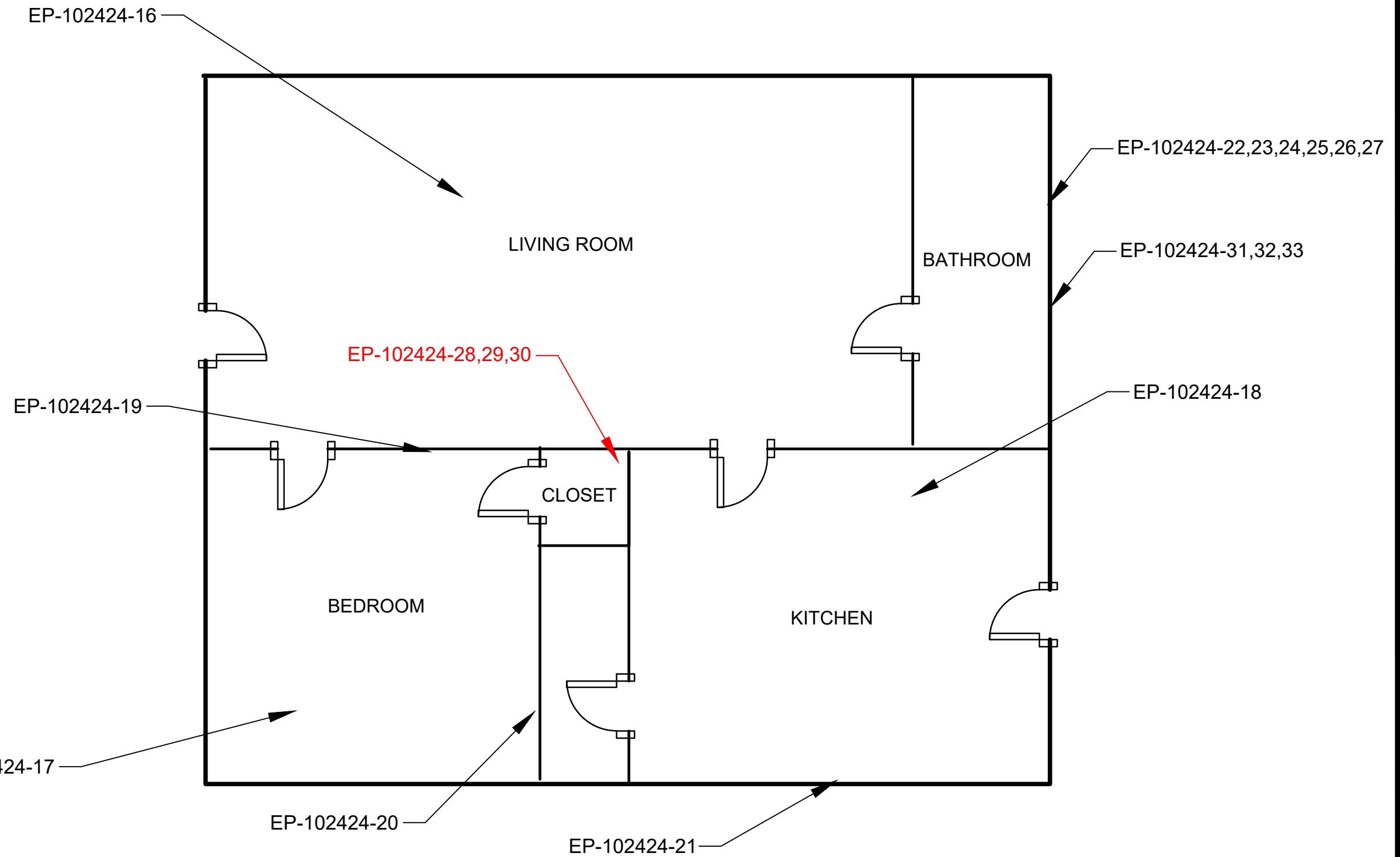
SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)  
510 MARKET STREET  
JOLIET, IL 60433



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
11/5/2024	1 OF 5
SHEET NAME:	

SL-1



FIRST FLOOR  
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: EP-102424-XX  
BATCH NUMBER: 372725  
RED SAMPLES TESTED POSITIVE FOR ASBESTOS

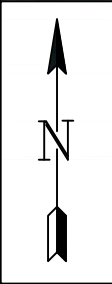
SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)  
510 MARKET STREET  
JOLIET, IL, 60433



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
11/5/2024	2 OF 5
SHEET NAME:	

SL-2



SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)  
510 MARKET STREET  
JOLIET, IL, 60433

GSG CONSULTANTS, INC.  
735 E REMINGTON RD, SCHWARTZBURG, IL 60193  
TEL: 815.398.1100 FAX: 815.398.1101  
ILLINOIS PROFESSIONAL DESIGN FIRM #14-002862

DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
11/5/2024	3 OF 5
SHEET NAME:	
SL-3	

LEGEND

SUSPECT ACM SAMPLE LOCATIONS: EP-102424-XX

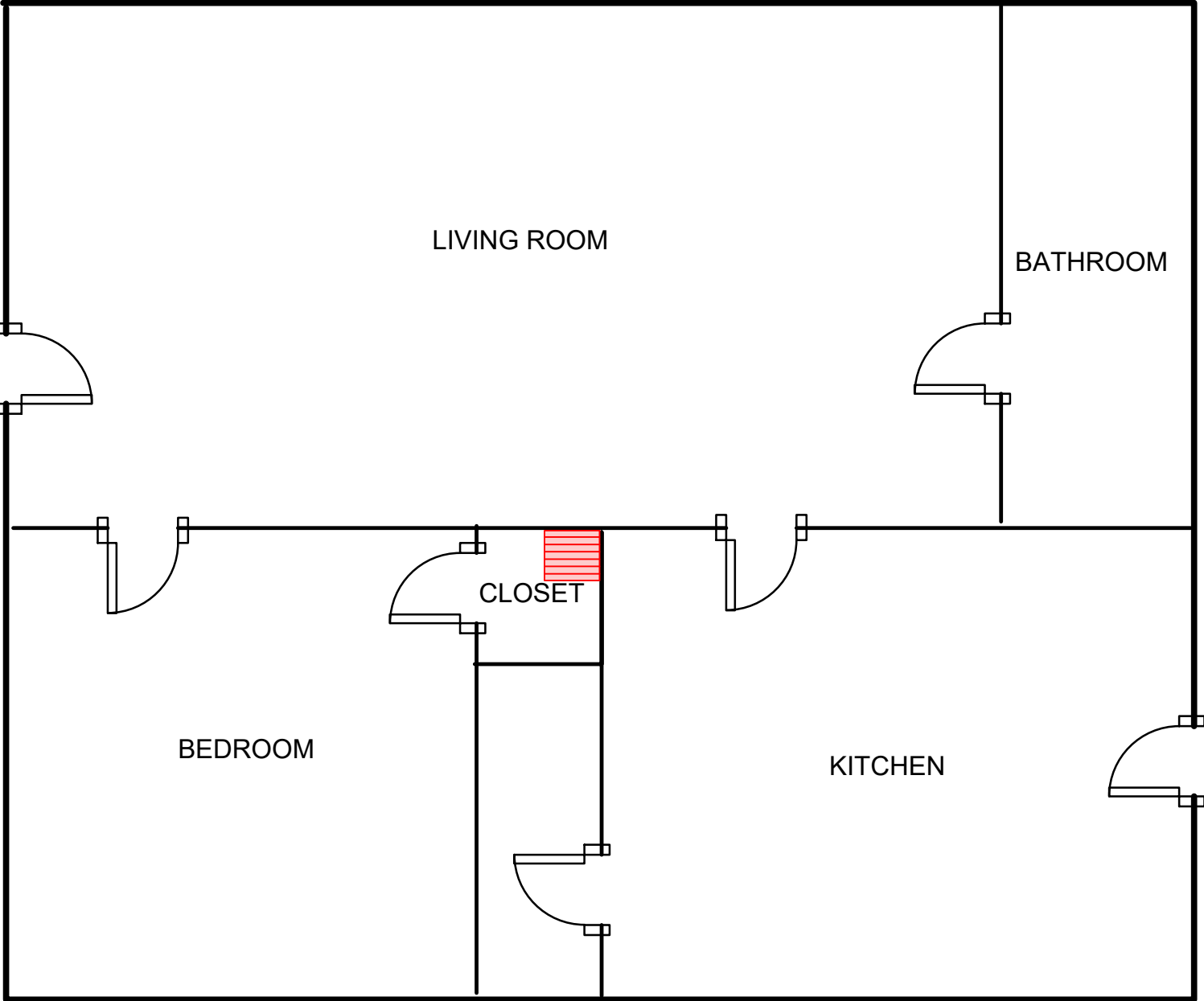
BATCH NUMBER: 372725

## EXHIBIT 2

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### ACM-1, ACM-2 ACM Location Plans






FIRST FLOOR  
SCALE = N.T.S.



LEGEND

LOCATIONS OF ASBESTOS-CONTAINING MATERIALS

 PIPE INSULATION

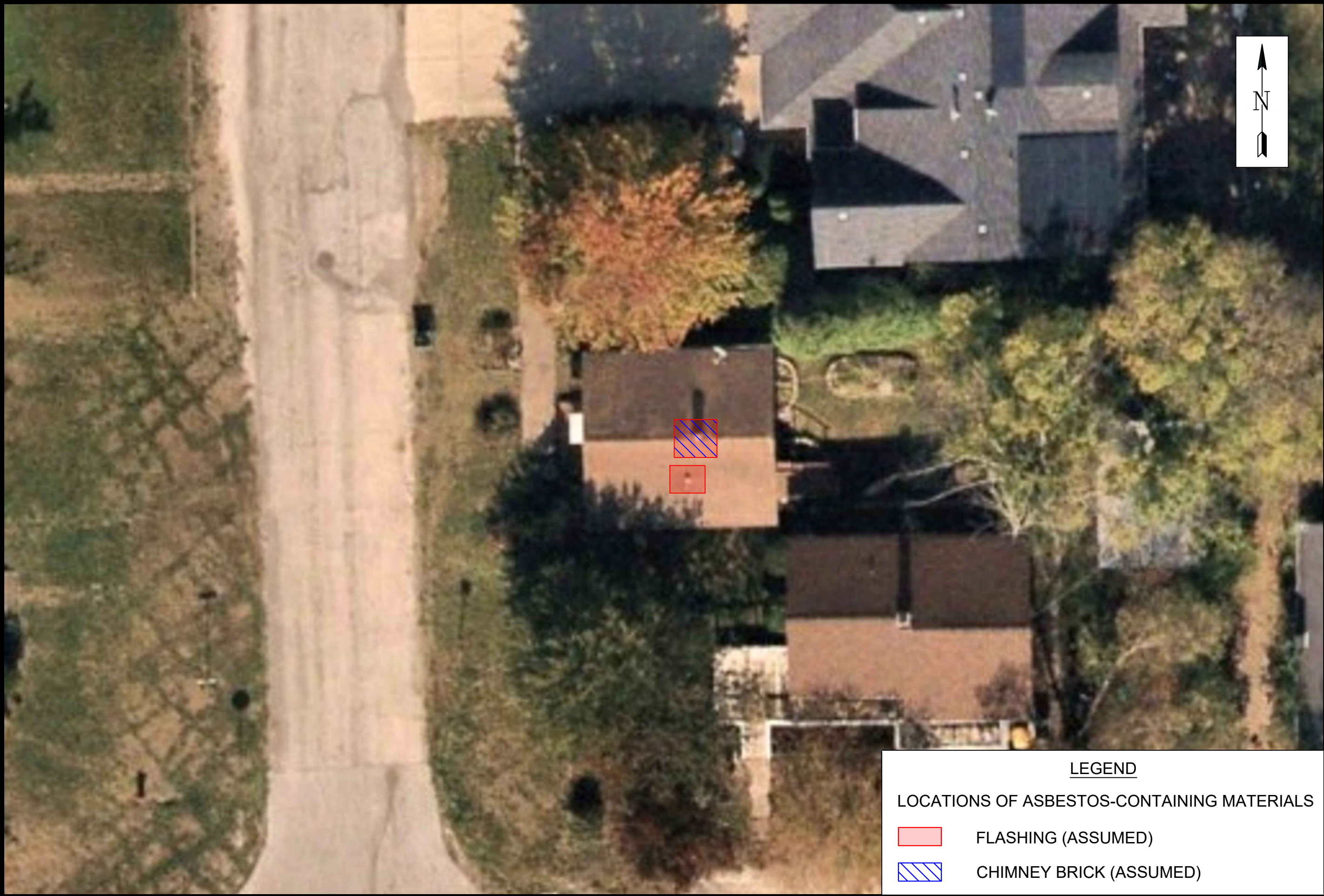
ASBESTOS-CONTAINING MATERIALS LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)  
510 MARKET STREET  
JOLIET, IL 60433




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EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
11/5/2024	4 OF 5
SHEET NAME:	


ACM-1



**LEGEND**

LOCATIONS OF ASBESTOS-CONTAINING MATERIALS

 FLASHING (ASSUMED)

 CHIMNEY BRICK (ASSUMED)

<b>ASBESTOS-CONTAINING MATERIALS LOCATION PLAN</b>	
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80) 510 MARKET STREET JOLIET, IL 60433	
 GSG CONSULTANTS, INC. 735 E REMINGTON RD, SUITE 100, JOLIET, IL 60433 TEL: 815/741-1111 FAX: 815/741-1112 ILLINOIS PROFESSIONAL DESIGN FRANK BAPOZZESE	
DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
11/5/2024	5 OF 5
SHEET NAME:	
<b>ACM-2</b>	

## APPENDIX A

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### 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:

Location: 510 Market Street Joliet, IL  
Batch No.: 372725  
Customer No.: 4651

Date Received: 10/28/2024

Date Analyzed: 11/01/2024

Date Reported: 11/01/2024

Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
372725001	EP-102424-1	ND	Binder 85-90% Glass 10-15%
372725002	EP-102424-2	ND	Binder 85-90% Glass 10-15%
372725003	EP-102424-3	ND	Binder 85-90% Glass 10-15%
372725004	EP-102424-4	ND	Binder 85-90% Glass 10-15%
372725005	EP-102424-5	ND	Binder 85-90% Glass 10-15%
372725006	EP-102424-6	ND	Binder 85-90% Glass 10-15%
372725007	EP-102424-7	ND	Cellulose 80-85% Binder 15-20%
372725008	EP-102424-8	ND	Cellulose 80-85% Binder 15-20%
372725009	EP-102424-9	ND	Cellulose 80-85% Binder 15-20%
372725010	EP-102424-10	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.

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/R-93/116

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

Reference:		Date Received: 10/28/2024
Location:	510 Market Street Joliet, IL	Date Analyzed: 11/01/2024
Batch No.:	372725	Date Reported: 11/01/2024
Customer No.:	4651	Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
372725011	EP-102424-11	ND	Cellulose 1-5% Binder 95-99%
372725012	EP-102424-12	ND	Cellulose 1-5% Binder 95-99%
372725013	EP-102424-13	ND	Cellulose 10-15% Binder 85-90%
372725014	EP-102424-14	ND	Cellulose 10-15% Binder 85-90%
372725015	EP-102424-15	ND	Cellulose 10-15% Binder 85-90%
372725016	EP-102424-16	ND	Cellulose 90-95% Binder 5-10%
372725017	EP-102424-17	ND	Cellulose 90-95% Binder 5-10%
372725018	EP-102424-18	ND	Cellulose 90-95% Binder 5-10%
372725019	EP-102424-19	ND	Cellulose 5-10% Binder 90-95%
372725020	EP-102424-20	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

## 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:

Location: 510 Market Street Joliet, IL  
 Batch No.: 372725  
 Customer No.: 4651

Date Received: 10/28/2024

Date Analyzed: 11/01/2024

Date Reported: 11/01/2024

Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
372725021	EP-102424-21	ND	Cellulose 5-10% Binder 90-95%
372725022	EP-102424-22	ND	Cellulose 5-10% Binder 90-95%
372725023	EP-102424-23	ND	Cellulose 5-10% Binder 90-95%
372725024	EP-102424-24	ND	Cellulose 5-10% Binder 90-95%
372725025	EP-102424-25	ND	Binder 5-10% Glass 90-95%
372725026	EP-102424-26	ND	Binder 5-10% Glass 90-95%
372725027	EP-102424-27	ND	Binder 5-10% Glass 90-95%
372725028	EP-102424-28	Chrysotile 10-15%	Binder 85-90%
372725029	EP-102424-29	NA	
372725030	EP-102424-30	NA	
372725031	EP-102424-31	ND	Binder 99-100%
372725032	EP-102424-32	ND	Binder 99-100%
372725033	EP-102424-33	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

Date: 11/01/2024



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

372725

Page 1 of 3

PLM BULK LABORATORY ANALYSIS FORM

Project Name: <u>Asbestos survey for Building Demo (180)</u>		Project Manager: <u>Ted Cagney</u>
Project Number:		Building Inspector: <u>Erin Pahami</u>
Project Address: <u>510 Market Street</u>		IDPH Number:
City/ State: <u>Joliet, IL</u>		Work Day: S M T W <u>TH</u> F S
Client: <u>WSP / IDOT</u>		Analyze by Method:
Date: <u>10/24/24</u>		EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
EP-102424-1	01	Brown Roof Shingle
2	1	1
3	1	1
4	02	Black Roof Shingle
5	1	1
6	1	1
7	03	Black Roof Felt paper
8	1	1
9	1	1
10	04	Exterior white window caulk
11	1	1
12	1	1
13	05	Asphaltic siding
14	1	1
15	1	1

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

CHAIN OF CUSTODY RECORD

Collected By(Signature) <u>ghung</u>	Date: <u>10/24/24</u>	Time:	Relinquished by (Signature) <u>ghung</u>	Date: <u>10/28/24</u>	Time: <u>10 15</u>
Received by: (Signature) <u>ccm</u>	Date: <u>10/28/24</u>	Time:	Relinquished by: (signature) <u>ccm</u>	Date: <u>10/28/24</u>	Time: <u>10 15</u>
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <u>↓</u>	Date:	Time:

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

Rel: ccm 10-28-24 13:40

REC: ccm 10/28/24 1340 REC: ccm 10/28/24 1434

T=22.6 DP

ccm 10/28/24 14:34



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](http://www.gsg-consultants.com)

372725

Page 2 of 3

PLM BULK LABORATORY ANALYSIS FORM

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

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
16	06	1'x1' white ceiling tile - throughout
17	1	1
18	1	1
19	07	Drywall
20	1	1
21	1	1
22	08	Plaster - Bathroom
23	1	1
24	1	1
25	09	Insulation - Bathroom
26	1	1
27	1	1
28	10	Pipe insulation Bedroom Closet
29	1	1
30	1	1

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

CHAIN OF CUSTODY RECORD

Collected By(Signature)	Date:	Time:	Relinquished by (Signature)	Date:	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>LD</i>	Date: 10/28/24	Time: 1015

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

Rel: *John Ball* 10-28-24 13:40 Rec: *@* 10/28/24 1340 *RA* 10/28/24 1434 t=22.6 DP

Rec'd - 10/28/24 14:34

372725

Page 3 of 3

## PLM BULK LABORATORY ANALYSIS FORM

<b>Project Name:</b>		<b>Project Manager:</b>
<b>Project Number:</b>		<b>Building Inspector:</b>
<b>Project Address:</b>		<b>IDPH Number:</b>
<b>City/ State:</b>		<b>Work Day:</b> S   M   T   W   TH   F   S
<b>Client:</b>		<b>Analyze by Method:</b>
<b>Date:</b>		EPA/600/R-93-116
Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
31	11	Tub caulk - Bathroom
32	1	1
33	1	1
<b>TURN AROUND TIME:</b>  1 Day 2 Days 3 Days  (5 Day) Other		<b>COMMENTS:</b> E-mail Results to: <a href="mailto:epahomi@gsg-consultants.com">epahomi@gsg-consultants.com</a>  STOP AT FIRST POSITIVE

## CHAIN OF CUSTODY RECORD

Collected By(Signature)	Date:	Time:	Relinquished by (Signature)	Date:	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <sup>LD</sup> <i>Lawrence</i> <i>10/28/20</i>	Date:	Time: <i>10:15</i>

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

Definitions: BLK-Bulk Sample, PLM-Polarized Light Microscopy, TEM-Transmission Electron Microscope.  
 Pul: *[Signature]* 10-28-24 13:40 Rec: *[Signature]* 10/28/24 1340 Rec: *[Signature]* 10/28/24 1434 T = 22.6 DP

Rec'd: 10/28/24 14:34

## APPENDIX B

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### Reference Photographs

		<b>Material Description:</b> Suspect ACM Roof Materials
		<b>Photo Location:</b> Roof
ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 OVER DES PLAINES RIVER BRIDGE IMPROVEMENTS	 GSG Consultants, Inc. 735 Remington Road Schaumburg, Illinois 60173	<b>Date:</b> 10/24/24
		<b>Material Description:</b> Suspect ACM White Window Caulk
		<b>Photo Location:</b> Exterior
ILLINOIS DEPARTMENT OF TRANSPORTATION I-80 OVER DES PLAINES RIVER BRIDGE IMPROVEMENTS	 GSG Consultants, Inc. 735 Remington Road Schaumburg, Illinois 60173	<b>Date:</b> 10/24/24





**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:** 10/24/24



**Material Description:**  
Suspect ACM 1"x1' White  
Ceiling Tile

**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:** 10/24/24



**Material Description:**  
Suspect ACM Plaster and  
Insulation

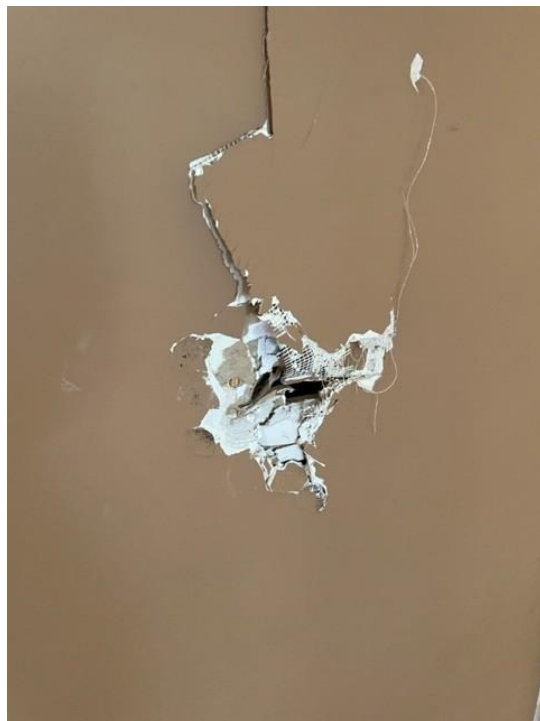
**Photo Location:**  
Bathroom

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



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

**Date:** 10/24/24



**Material Description:**  
Suspect ACM Drywall

**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:** 10/24/24



**Material Description:**  
Pipe Insulation – **Tested  
Positive for Asbestos**

**Photo Location:**  
Bathroom Closet

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



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

**Date:** 10/24/24



**Material Description:**  
Suspect ACM Tub Caulk

**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:** 10/24/24



**Material Description:**  
Chimney Brick and Flashing  
– **Assumed Positive for Asbestos**

**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:** 10/24/24

## APPENDIX C

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### Inspector Licenses and Training Certifications



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

**ERIN PAHOMI**  
1016 N PLUM GROVE APT 316  
SCHAUMBURG, IL 60173

5/20/2024



ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 20674

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

**COPY OF THE ASBESTOS PROFESSIONAL LICENSE**

Front of License

Back of License

			<b>ASBESTOS PROFESSIONAL LICENSE</b>		<b>ENDORSEMENTS</b>	<b>TC EXPIRES</b>
					INSPECTOR	1/27/2025
<b>ID NUMBER</b>	<b>ISSUED</b>	<b>EXPIRES</b>				
100 - 20674	5/20/2024	05/15/2025				
<b>ERIN PAHOMI</b> 1016 N PLUM GROVE APT 316 SCHAUMBURG, IL 60173 Environmental Health						<b>Alteration of this license shall result in legal action</b> This license issued under authority of the State of Illinois Department of Public Health This license is valid only when accompanied by a valid training course certificate.

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

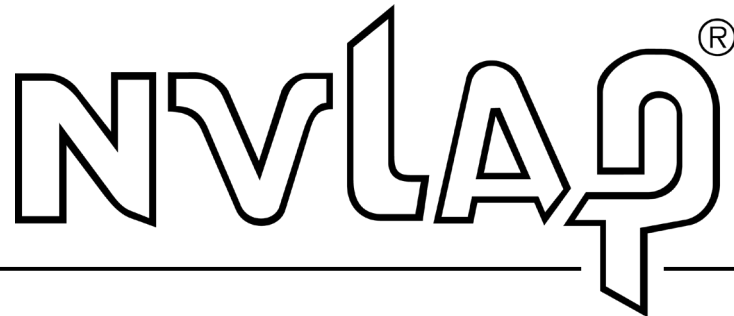
Our WEB address is: [dph.illinois.gov/topics-services/environmental-health-protection/asbestos](http://dph.illinois.gov/topics-services/environmental-health-protection/asbestos)  
EMAIL Address: [dph.asbestos@illinois.gov](mailto:dph.asbestos@illinois.gov)

## 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**

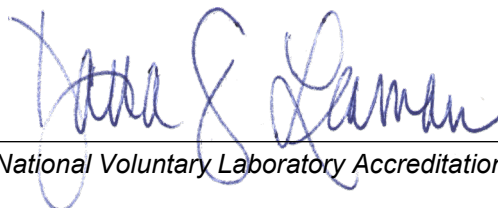
**NVLAP LAB CODE 101202-0**

**Bulk Asbestos Analysis**

<u><b>Code</b></u>	<u><b>Description</b></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><b>Code</b></u>	<u><b>Description</b></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*