

ASBESTOS SURVEY REPORT

PTB 196-032

Asbestos Survey for Building Demolition (I-80)

664 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:



August 13, 2024



August 13, 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
664 Kiep Avenue, Joliet, IL
Parcel No. 1P10178

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:  August 13, 2024
Erin Pahomi
Asbestos Building Inspector
Inspector License No: 100-20674
Date

Reviewed By:  August 13, 2024
Thaddeus Cagney, LPG
Senior Project Manager
Date

QA Manager:  August 13, 2024
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



Asbestos Survey Report

664 Kiep Avenue, Joliet, IL

SURVEY SUMMARY

SITE INFORMATION			
FAP Route:	FAI-80 (I-80)	Address:	664 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:	1900
Parcel No.	1P10178	Building Size:	800 SF

ASBESTOS CONTAINING MATERIALS	
Survey Date:	July 25, 2024
Weather Conditions:	72°F, Sunny
By Whom:	
Firm:	GSG Consultants, Inc
Inspector:	Tim Walsh
IDPH License No.	100-08900
Results:	
	Number of Material Types Sampled <u>27</u>
	Number of Samples Collected: <u>81</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 Survey Report

664 Kiep Avenue, Joliet, IL

ASBESTOS-CONTAINING MATERIALS (ACM) SURVEY RESULTS:

**Parcel No. 1P10178
Residential Property
664 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	Felt Vapor Barrier Under Hardwood Floor	Throughout	Misc.	Good	No	ND	3	N/A
2	Tan Linoleum	Kitchen & Bathroom	Misc.	Good	No	ND	3	N/A
3	Grey Linoleum (Second Layer)	Kitchen & Bathroom	Misc.	Good	No	ND	3	N/A
4	Green Linoleum (Third Layer)	Kitchen & Bathroom	Misc.	Good	No	ND	3	N/A
5	Plaster	Throughout	Surf.	Good	No	ND	3	N/A
6	Leveling Compound	Bathroom	Misc.	Good	No	ND	3	N/A
7	Blue & Grey Floor Tile	Kitchen (Under Sink)	Misc.	Good	No	ND	3	N/A
8	Blue & Grey Floor Tile Mastic	Kitchen (Under Sink)	Misc.	Good	No	ND	3	N/A
9	Sink Undercoating	Kitchen	Surf.	Good	No	ND	3	N/A
10	Interior Door Caulk	Kitchen, Back Door, & Front Door	Misc.	Good	No	ND	3	N/A
11	Chimney Brick	Chimney	Misc.	Good	No	ND	3	N/A
12	Attic Insulation	Attic	Misc.	Good	No	ND	3	N/A
13	Chimney Penetration Wrap	Chimney	Misc.	Good	No	ND	3	N/A
14	Interior Window Caulk	Throughout	Misc.	Good	No	ND	3	N/A
15	Exterior Door Caulk	Exterior	Misc.	Good	Yes	ND	3	N/A
16	Exterior Window Caulk	Exterior	Misc.	Good	No	ND	3	N/A



Asbestos Survey Report

664 Kiep Avenue, Joliet, IL

HA No.	Material Description	Location	Type ⁽¹⁾	Condition	Friable	% Asbestos*	# of Samples	Estimated Quantity ⁽²⁾
17	Grey Roofing	Roof	Misc.	Good	No	ND	3	N/A
18	Black Roofing	Roof	Misc.	Good	No	ND	3	N/A
19	Felt Vapor Barrier	Roof	Misc.	Good	No	ND	3	N/A
20	Chimney/ Exhaust Flashing	Roof	Misc.	Good	No	Chrysotile 5-10%	3	6 SF
21	Grey Roofing	Garage	Misc.	Good	No	ND	3	N/A
22	Tan Roofing	Garage	Misc.	Good	No	ND	3	N/A
23	Felt Vapor Barrier	Garage	Misc.	Good	No	ND	3	N/A
24	Door Caulk	Garage	Misc.	Good	No	ND	3	N/A
25	Window Glazing	Garage	Misc.	Good	No	ND	3	N/A
26	Window Caulk	Garage	Misc.	Good	No	ND	3	N/A
27	Black Foundation Sealant	Exterior	Misc.	Good	No	ND	3	N/A
Total Estimated Quantity of ACM								6 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. 1P10178 located at 664 Kiep Avenue in Joliet, Illinois. The site is improved with a one-story single-family house with an attic and a detached garage. The house was constructed in 1900 and is approximately 800 square feet in size with an unfinished basement and an asphalt shingled roof. The interior walls and ceilings are plaster, and the floors are wood with floor tile underneath and linoleum. The building exterior is 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 81 bulk samples of suspect ACM, three (3) samples for each of the 27 homogeneous areas, were collected from various homogeneous areas of the buildings. Bulk samples were collected from the following materials/homogeneous area(s):

Main Building

- Felt Vapor Barrier Under Hardwood Floor
- Tan Linoleum
- Grey Linoleum (Second Layer)
- Green Linoleum (Third Layer)
- Plaster
- Leveling Compound
- Blue & Grey Floor Tile VFT & Mastic
- Sink Undercoating
- Interior Door Caulk
- Chimney Brick
- Attic Insulation
- Chimney Penetration Wrap
- Interior Window Caulk
- Exterior Door Caulk
- Exterior Window Caulk
- Grey Roofing
- Black Roofing
- Felt Vapor Barrier
- Chimney/Exhaust Flashing
- Grey Garage Roofing
- Tan Garage Roofing
- Garage Felt Vapor Barrier
- Garage Door Caulk
- Garage Window Glazing

- Garage Window Caulk
- Black Foundation Sealant

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 E** 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 27 HAs from which 81 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**:

- Chimney/Exhaust 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

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 ABATEMENT COST ESTIMATE

GSG was tasked to include an estimate of costs to complete abatement of asbestos materials identified in this survey. Cost estimates are provided in **Appendix C**.

The cost estimates are based on our recent experience with quotes from abatement contractors performing work in this locale and are estimates only. Different projects and clients have different requirements, and this can result in changes to estimated costs.

Because of the hidden nature of many building components, it may be impossible to determine if all building components have been located and subsequently tested. Destructive testing in some instances is not a viable option. GSG does not, therefore, guarantee that all potential asbestos containing materials have been located. For the same reasons, estimates of quantities are subject to readily apparent situations. We do warrant, however, that the investigations and methodology reflect our best efforts based upon prevailing local standard of care in the environmental field.

6.0 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.

7.0 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:

Tim Walsh

Asbestos Inspector's Name

100-08900

IDPH License Number



Asbestos Inspector's Signature

8.6.2024

Date

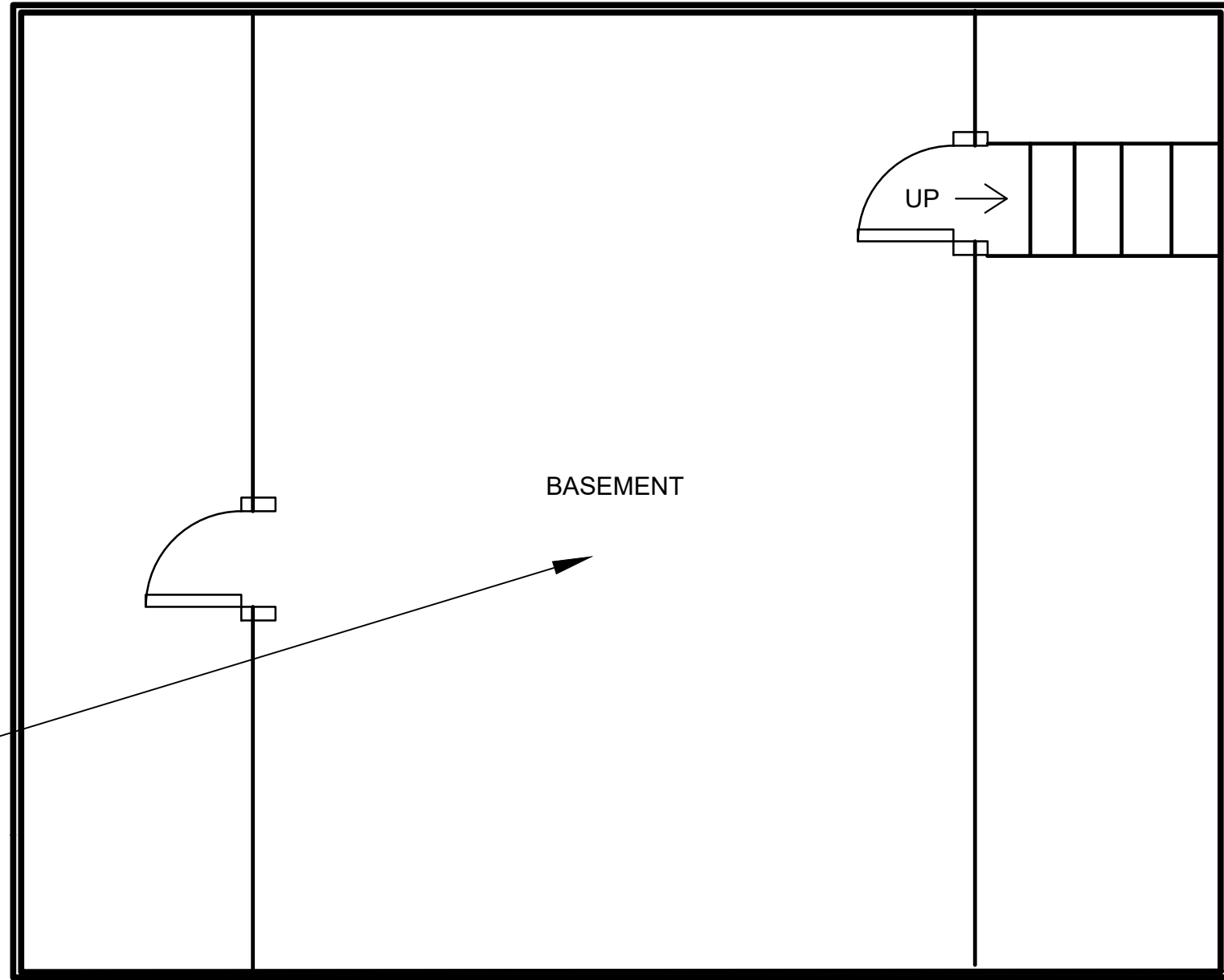
EXHIBITS

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



TW072524-31,32,33,37,38,39

BASEMENT

BASEMENT
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: TW072524-XX

BATCH NUMBER: 371645

RED SAMPLES TESTED POSITIVE FOR ASBESTOS

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

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



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
7/31/2024	1 OF 5

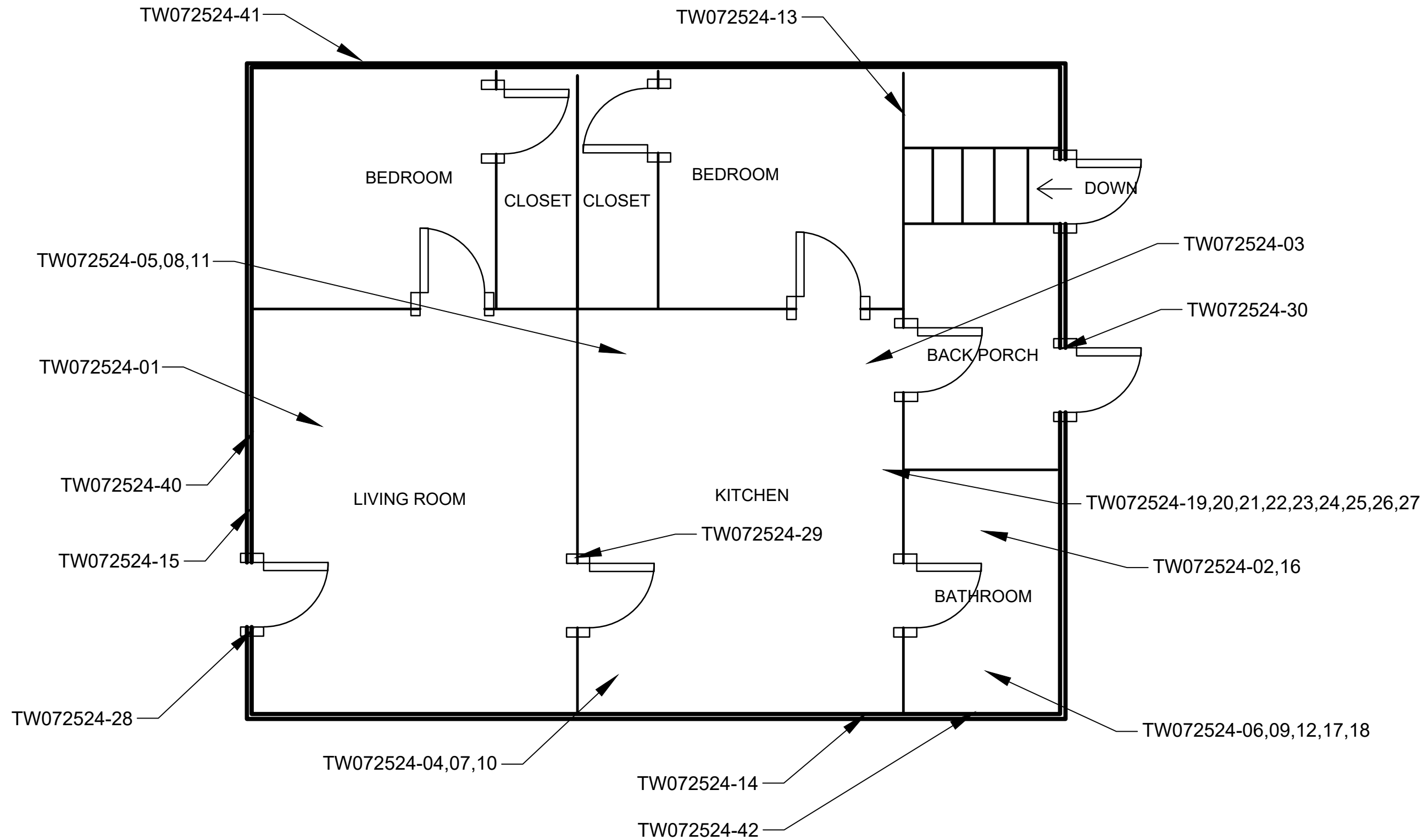
SHEET NAME:

SL-1



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
7/31/2024	2 OF 5
SHEET NAME:	

SL-2

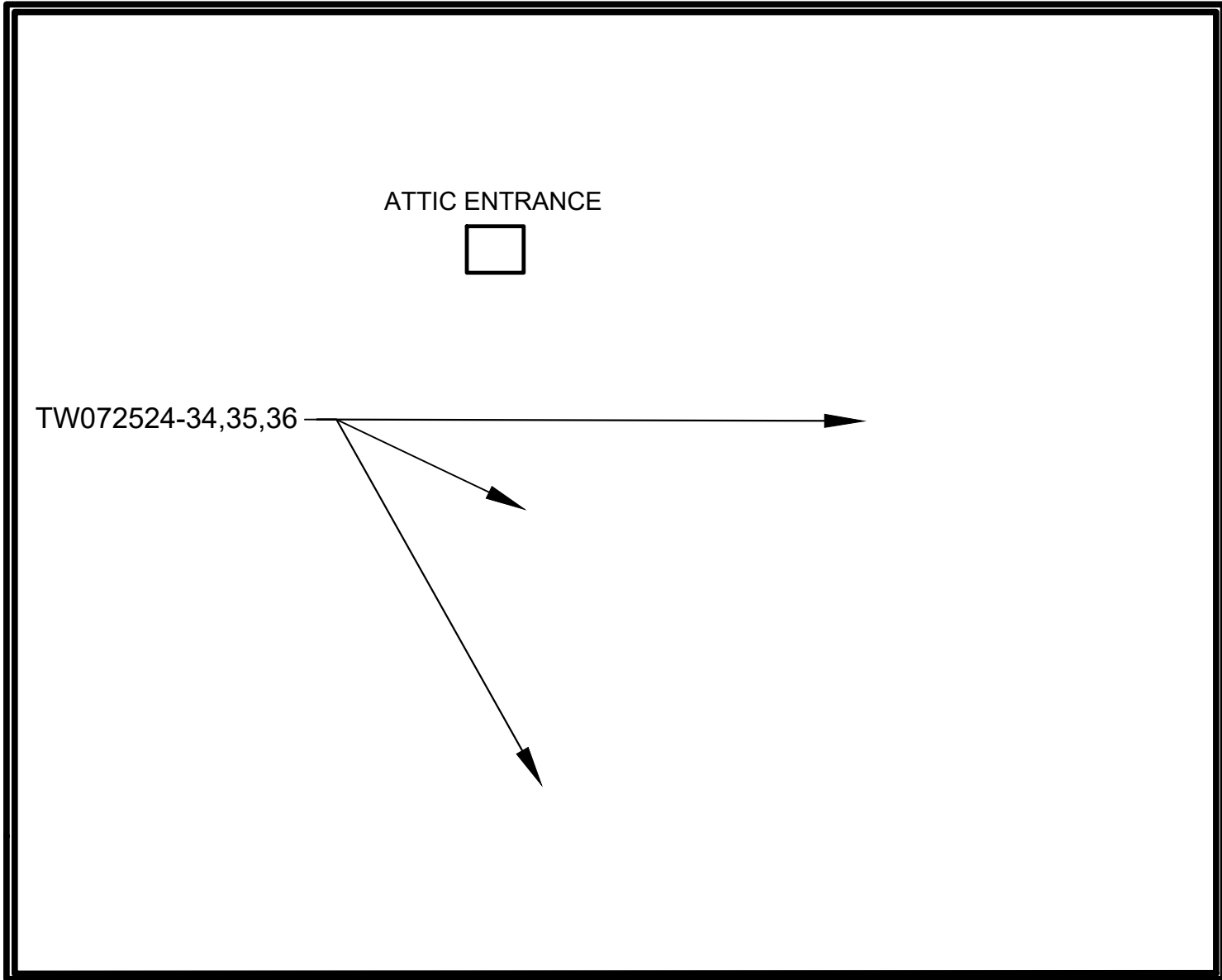


LEGEND


SUSPECT ACM SAMPLE LOCATIONS: TW072524-XX
 BATCH NUMBER: 371645
RED SAMPLES TESTED POSITIVE FOR ASBESTOS

FIRST FLOOR
 SCALE = N.T.S.





ATTIC
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: TW072524-XX
 BATCH NUMBER: 371645
 RED SAMPLES TESTED POSITIVE FOR ASBESTOS

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

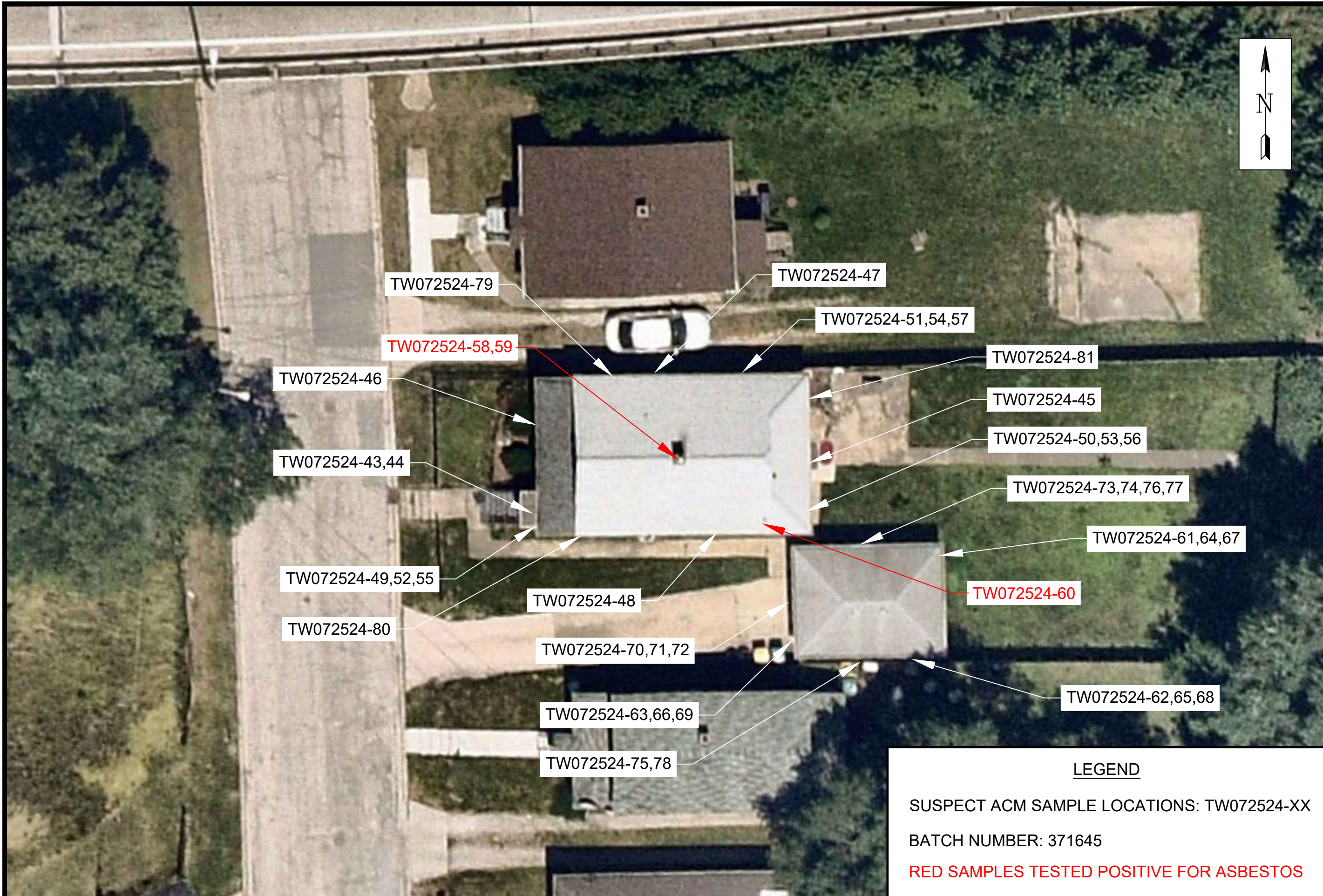
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
 664 KIEP AVENUE
 JOLIET, IL, 60433



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TC	NTS
DATE:	SHEET #:
7/31/2024	3 OF 5

SHEET NAME:

SL-3



SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

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

GSG CONSULTANTS, INC.
 PROFESSIONAL ENGINEERING AND ARCHITECTURE
 10775 W. 111TH ST., SUITE 100
 BLOOMINGTON, ILLINOIS 61810
 TEL: 815-236-1100 FAX: 815-236-1101
 ILLINOIS PROFESSIONAL DESIGN FRM# 184-020282

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7/31/2024	4 OF 5
SHEET NAME:	

SL-4

LEGEND

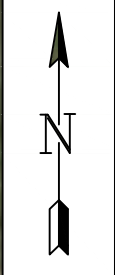
SUSPECT ACM SAMPLE LOCATIONS: TW072524-XX

BATCH NUMBER: 371645

RED SAMPLES TESTED POSITIVE FOR ASBESTOS

EXHIBIT 2

ACM-1 ACM Location Plan



ASBESTOS-CONTAINING MATERIALS LOCATION PLAN

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



DRAWN BY:	PROJECT:
EP	21-2007
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DATE:	SHEET #:
7/31/2024	5 OF 5
SHEET NAME:	

LEGEND	
	CHIMNEY/EXHAUST FLASHING

ACM-1

APPENDIX A

Analytical Testing Results

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

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

Reference:	I-80 DRB Phase II	Date Received:	07/31/2024
Location:	664 Kiep Joliet	Date Analyzed:	08/02/2024
Batch No.:	371645	Date Reported:	08/02/2024
Customer No.:	4651	Turn Around Time:	3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
371645001	TW072524-1	ND	Cellulose 80-85% Binder 15-20%
371645002	TW072524-2	ND	Cellulose 80-85% Binder 15-20%
371645003	TW072524-3	ND	Cellulose 80-85% Binder 15-20%
371645004	TW072524-4	ND	Cellulose 15-20% Binder 80-85%
371645005	TW072524-5	ND	Cellulose 15-20% Binder 80-85%
371645006	TW072524-6	ND	Cellulose 15-20% Binder 80-85%
371645007	TW072524-7	ND	Cellulose 1-5% Binder 95-99%
371645008	TW072524-8	ND	Cellulose 1-5% Binder 95-99%
371645009	TW072524-9	ND	Cellulose 1-5% Binder 95-99%
371645010	TW072524-10	ND	Cellulose 15-20% Binder 80-85%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted
 Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.
 The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

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Analyzed by Name : 
 Daniel Mikos / 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:	I-80 DRB Phase II	Date Received:	07/31/2024
Location:	664 Kiep Joliet	Date Analyzed:	08/02/2024
Batch No.:	371645	Date Reported:	08/02/2024
Customer No.:	4651	Turn Around Time:	3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
371645011	TW072524-11	ND	Cellulose 15-20% Binder 80-85%
371645012	TW072524-12	ND	Cellulose 15-20% Binder 80-85%
371645013	TW072524-13	ND	Cellulose 1-5% Binder 95-99%
371645014	TW072524-14	ND	Cellulose 1-5% Binder 95-99%
371645015	TW072524-15	ND	Cellulose 1-5% Binder 95-99%
371645016	TW072524-16	ND	Cellulose 1-5% Binder 95-99%
371645017	TW072524-17	ND	Cellulose 1-5% Binder 95-99%
371645018	TW072524-18	ND	Cellulose 1-5% Binder 95-99%
371645019	TW072524-19	ND	Cellulose 1-5% Binder 95-99%
371645020	TW072524-20	ND	Cellulose 1-5% Binder 95-99%

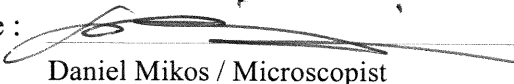
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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Analyzed by Name :



Daniel Mikos / Microscopist

Date: 08/02/2024

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:	I-80 DRB Phase II	Date Received:	07/31/2024
Location:	664 Kiep Joliet	Date Analyzed:	08/02/2024
Batch No.:	371645	Date Reported:	08/02/2024
Customer No.:	4651	Turn Around Time:	3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
371645021	TW072524-21	ND	Cellulose 1-5% Binder 95-99%
371645022	TW072524-22	ND	Cellulose 1-5% Binder 95-99%
371645023	TW072524-23	ND	Cellulose 1-5% Binder 95-99%
371645024	TW072524-24	ND	Cellulose 1-5% Binder 95-99%
371645025	TW072524-25	ND	Cellulose 15-20% Binder 80-85%
371645026	TW072524-26	ND	Cellulose 15-20% Binder 80-85%
371645027	TW072524-27	ND	Cellulose 15-20% Binder 80-85%
371645028	TW072524-28	ND	Cellulose 1-5% Binder 95-99%
371645029	TW072524-29	ND	Cellulose 1-5% Binder 95-99%
371645030	TW072524-30	ND	Cellulose 1-5% Binder 95-99%

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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:	I-80 DRB Phase II	Date Received:	07/31/2024
Location:	664 Kiep Joliet	Date Analyzed:	08/02/2024
Batch No.:	371645	Date Reported:	08/02/2024
Customer No.:	4651	Turn Around Time:	3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
371645041	TW072524-41	ND	Cellulose 1-5% Binder 95-99%
371645042	TW072524-42	ND	Cellulose 1-5% Binder 95-99%
371645043	TW072524-43	ND	Cellulose 1-5% Binder 95-99%
371645044	TW072524-44	ND	Cellulose 1-5% Binder 95-99%
371645045	TW072524-45	ND	Cellulose 1-5% Binder 95-99%
371645046	TW072524-46	ND	Cellulose 1-5% Binder 95-99%
371645047	TW072524-47	ND	Cellulose 1-5% Binder 95-99%
371645048	TW072524-48	ND	Cellulose 1-5% Binder 95-99%
371645049	TW072524-49	ND	Binder 85-90% Glass 10-15%
371645050	TW072524-50	ND	Binder 85-90% Glass 10-15%

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Method: EPA/600/R-93/116

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

Reference:	I-80 DRB Phase II	Date Received:	07/31/2024
Location:	664 Kiep Joliet	Date Analyzed:	08/02/2024
Batch No.:	371645	Date Reported:	08/02/2024
Customer No.:	4651	Turn Around Time:	3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
371645051	TW072524-51	ND	Binder 85-90% Glass 10-15%
371645052	TW072524-52	ND	Cellulose 10-15% Binder 85-90%
371645053	TW072524-53	ND	Cellulose 10-15% Binder 85-90%
371645054	TW072524-54	ND	Cellulose 10-15% Binder 85-90%
371645055	TW072524-55	ND	Cellulose 60-65% Binder 35-40%
371645056	TW072524-56	ND	Cellulose 60-65% Binder 35-40%
371645057	TW072524-57	ND	Cellulose 60-65% Binder 35-40%
371645058	TW072524-58	Chrysotile 5-10%	Binder 90-95%
371645059	TW072524-59	NA	
371645060	TW072524-60	NA	
371645061	TW072524-61	ND	Binder 85-90% Glass 10-15%

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Analyzed by Name :


 Daniel Mikos / Microscopist

Date: 08/02/2024

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: I-80 DRB Phase II
 Location: 664 Kiep Joliet
 Batch No.: 371645
 Customer No.: 4651

Date Received: 07/31/2024
 Date Analyzed: 08/02/2024
 Date Reported: 08/02/2024
 Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
371645062	TW072524-62	ND	Binder 85-90% Glass 10-15%
371645063	TW072524-63	ND	Binder 85-90% Glass 10-15%
371645064	TW072524-64	ND	Binder 85-90% Glass 10-15%
371645065	TW072524-65	ND	Binder 85-90% Glass 10-15%
371645066	TW072524-66	ND	Binder 85-90% Glass 10-15%
371645067	TW072524-67	ND	Cellulose 60-65% Binder 35-40%
371645068	TW072524-68	ND	Cellulose 60-65% Binder 35-40%
371645069	TW072524-69	ND	Cellulose 60-65% Binder 35-40%
371645070	TW072524-70	ND	Cellulose 1-5% Binder 95-99%
371645071	TW072524-71	ND	Cellulose 1-5% Binder 95-99%

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Method: EPA/600/R-93/116

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

Reference: I-80 DRB Phase II
 Location: 664 Kiep Joliet
 Batch No.: 371645
 Customer No.: 4651

Date Received: 07/31/2024
 Date Analyzed: 08/02/2024
 Date Reported: 08/02/2024
 Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
371645072	TW072524-72	ND	Cellulose 1-5% Binder 95-99%
371645073	TW072524-73	ND	Cellulose 1-5% Binder 95-99%
371645074	TW072524-74	ND	Cellulose 1-5% Binder 95-99%
371645075	TW072524-75	ND	Cellulose 1-5% Binder 95-99%
371645076	TW072524-76	ND	Cellulose 1-5% Binder 95-99%
371645077	TW072524-77	ND	Cellulose 1-5% Binder 95-99%
371645078	TW072524-78	ND	Cellulose 1-5% Binder 95-99%
371645079	TW072524-79	ND	Cellulose 1-5% Binder 95-99%
371645080	TW072524-80	ND	Cellulose 1-5% Binder 95-99%
371645081	TW072524-81	ND	Cellulose 1-5% Binder 95-99%

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Analyzed by Name : 



371645

PLM BULK LABORATORY ANALYSIS FORM

Project Name: 1-80 DRB Phase II	Project Manager: JC
Project Number:	Building Inspector: TW
Project Address: 664 Kier	IDPH Number:
City/ State: Joliet	Work Day: S M T W TH F S
Client: WSA	Analyze by Method:
Date: 7/25/24	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
762072524-1	HA-1	Felt Vapor Barrier under Hardwood Floor Living Rm
2		Throughout 1 st Fl. Bathroom Bath
3		Kitchen
4	HA-2	Tan Linoleum - Kitchen + Bathroom Kitchen
5		Kitchen
6		Bathroom
7	HA-3	Grey Plaster 2 nd Layer Kitchen
8		Linoleum Kitchen
9		Bathroom
10	HA-4	Green Linoleum 3 rd Layer Kitchen
11		Kitchen
12		Bathroom
13	HA-5	Plaster - Throughout
14		
15		

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

CHAIN OF CUSTODY RECORD

Collected By(Signature) <i>Tom Walsh</i>	Date: 7/25/24	Time:	Relinquished by (Signature) <i>Tom Walsh</i>	Date: 7/31/24	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>[Signature]</i>	Date: 7/31/24	Time: 9.15



371645

PLM BULK LABORATORY ANALYSIS FORM

Project Name: <i>I-80</i>	Project Manager: <i>TC</i>
Project Number:	Building Inspector: <i>TW</i>
Project Address: <i>664 Kicp</i>	IDPH Number:
City/ State: <i>Solict</i>	Work Day: S M T W TH F S
Client: <i>WSP</i>	Analyze by Method:
Date: <i>7/25/24</i>	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<i>Two 72524-16</i>	<i>HA-6</i>	<i>Leveling Compound - Bathroom</i>
<i>17</i>	<i> </i>	<i> </i>
<i>18</i>	<i> </i>	<i> </i>
<i>19</i>	<i>HA-7</i>	<i>Blue + Grey Floor Tile Under Kitchen Sink</i>
<i>20</i>	<i> </i>	<i> </i>
<i>21</i>	<i> </i>	<i> </i>
<i>22</i>	<i>HA-8</i>	<i>MA Mastic</i>
<i>23</i>	<i> </i>	<i> </i>
<i>24</i>	<i> </i>	<i> </i>
<i>25</i>	<i>HA-9</i>	<i>Sink Undercoating - Kitchen</i>
<i>26</i>	<i> </i>	<i> </i>
<i>27</i>	<i> </i>	<i> </i>
<i>28</i>	<i>HA-10</i>	<i>Interior Door Caulk - Kitchen</i>
<i>29</i>	<i> </i>	<i>Back Door</i>
<i>30</i>	<i> </i>	<i>Front Door</i>

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

Collected By (Signature): <i>Tim Walsh</i>	Date: <i>7/25/24</i>	Time:	Relinquished by (Signature): <i>Tim Walsh</i>	Date: <i>7/31/24</i>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>[Signature]</i>	Date: <i>7/31/24</i>	Time: <i>9.15</i>



371645

PLM BULK LABORATORY ANALYSIS FORM

Project Name: <u>I-80</u>	Project Manager: <u>TC</u>
Project Number:	Building Inspector: <u>TW</u>
Project Address: <u>664 Kiep</u>	IDPH Number:
City/ State: <u>Joliet</u>	Work Day: S M T W TH F S
Client: <u>WSP</u>	Analyze by Method:
Date: <u>7/25/24</u>	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<u>TW072524-31</u>	<u>HA-11</u>	<u>Chimney Brick</u>
<u>32</u>	<u>↓</u>	<u>↓</u>
<u>33</u>	<u>↓</u>	<u>↓</u>
<u>34</u>	<u>HA-12</u>	<u>Attic Insulation</u>
<u>35</u>	<u>↓</u>	<u>↓</u>
<u>36</u>	<u>↓</u>	<u>↓</u>
<u>37</u>	<u>HA-13</u>	<u>Chimney Penetration Wrap - Basement 1SF</u>
<u>38</u>	<u>↓</u>	<u>↓</u>
<u>39</u>	<u>↓</u>	<u>↓</u>
<u>40</u>	<u>HA-14</u>	<u>Interior Window Caulk - B Living Rm</u>
<u>41</u>	<u>↓</u>	<u>BR#2</u>
<u>42</u>	<u>↓</u>	<u>Bathroom</u>
<u>43</u>	<u>HA-15</u>	<u>Exterior Door Caulk</u>
<u>44</u>	<u>↓</u>	<u>↓</u>
<u>45</u>	<u>↓</u>	<u>↓</u>

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

Collected By (Signature) <u>[Signature]</u>	Date: <u>7/25/24</u>	Time:	Relinquished by (Signature) <u>[Signature]</u>	Date: <u>7/31/24</u>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <u>[Signature]</u>	Date: <u>7/31/24</u>	Time: <u>9.15</u>



371645

PLM BULK LABORATORY ANALYSIS FORM

Project Name: F-80	Project Manager: TC
Project Number:	Building Inspector: TW
Project Address: 664 Krep	IDPH Number:
City/ State: Joliet	Work Day: S M T W TH F S
Client: WSP	Analyze by Method:
Date: 7/25/24	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
TW072524 46	HA-16	Exterior Window Caulk
47	↓	↓
48	↓	↓
49	HA-17	Roofing - Grey
50	↓	↓
51	↓	↓
52	HA-18	Roofing - Black
53	↓	↓
54	↓	↓
55	HA-19	Felt Vapor Barrier
56	↓	↓
57	↓	↓
58	HA-20	Chimney + Exhaust Flashing
59	↓	↓
60	↓	↓

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

Collected By (Signature): <i>[Signature]</i>	Date: 7/25/24	Time:	Relinquished by (Signature): <i>[Signature]</i>	Date: 7/31/24	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>[Signature]</i>	Date: 7/31/24	Time: 9:15



371645

PLM BULK LABORATORY ANALYSIS FORM

Project Name: <i>I-80</i>	Project Manager: <i>TC</i>
Project Number:	Building Inspector: <i>TW</i>
Project Address: <i>664 Kief</i>	IDPH Number:
City/ State: <i>Joliet</i>	Work Day: S M T W TH F S
Client: <i>WSP</i>	Analyze by Method:
Date: <i>7/25/24</i>	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<i>72072524-61</i>	<i>HA-21</i>	<i>Garage Roofing - Grey</i>
<i>62</i>	<i> </i>	<i> </i>
<i>63</i>	<i> </i>	<i> </i>
<i>64</i>	<i>HA-22</i>	<i>Tan</i>
<i>65</i>	<i> </i>	<i> </i>
<i>66</i>	<i> </i>	<i> </i>
<i>67</i>	<i>HA-23</i>	<i>Felt Vapor Barrier</i>
<i>68</i>	<i> </i>	<i> </i>
<i>69</i>	<i> </i>	<i> </i>
<i>70</i>	<i>HA-24</i>	<i>Door Cas K</i>
<i>71</i>	<i> </i>	<i> </i>
<i>72</i>	<i> </i>	<i> </i>
<i>73</i>	<i>HA-25</i>	<i>Window Glazing 2 Windows</i>
<i>74</i>	<i> </i>	<i> </i>
<i>75</i>	<i> </i>	<i> </i>

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

CHAIN OF CUSTODY RECORD

Collected By(Signature): <i>twalsh</i>	Date: <i>7/25/24</i>	Time:	Relinquished by (Signature): <i>twalsh</i>	Date: <i>7/31/24</i>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>[Signature]</i>	Date: <i>7/31/24</i>	Time: <i>9:15</i>

APPENDIX B

Reference Photographs



Material Description:
Suspect ACM Felt Vapor –
Under Hardwood Flooring

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: 7/25/2024



Material Description:
Suspect ACM Tan Linoleum
1st Layer

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: 7/25/24



Material Description:
Suspect ACM Grey Linoleum
2nd Layer

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: 7/25/24



Material Description:
Suspect ACM Green
Linoleum 3rd Layer

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: 7/25/24



Material Description:
Suspect ACM Plaster

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: 7/25/24



Material Description:
Suspect ACM Leveling
Compound

Photo Location:
Bathroom

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

Date: 7/25/24



Material Description:
Suspect ACM Blue and Grey
Floor Tile/Mastic

Photo Location:
Kitchen

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735 Remington Road
Schaumburg, Illinois 60173

Date: 7/25/24



Material Description:
Suspect ACM Sink
Undercoating

Photo Location:
Kitchen

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

Date: 7/25/24



Material Description:
Suspect ACM Interior Door
Caulk

Photo Location:
Living Room

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Material Description:
Suspect ACM Chimney Brick

Photo Location:
Attic

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Schaumburg, Illinois 60173

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Material Description:
Suspect ACM Attic
Insulation

Photo Location:
Attic

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Schaumburg, Illinois 60173

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Material Description:
Suspect ACM Chimney
Penetration Wrap

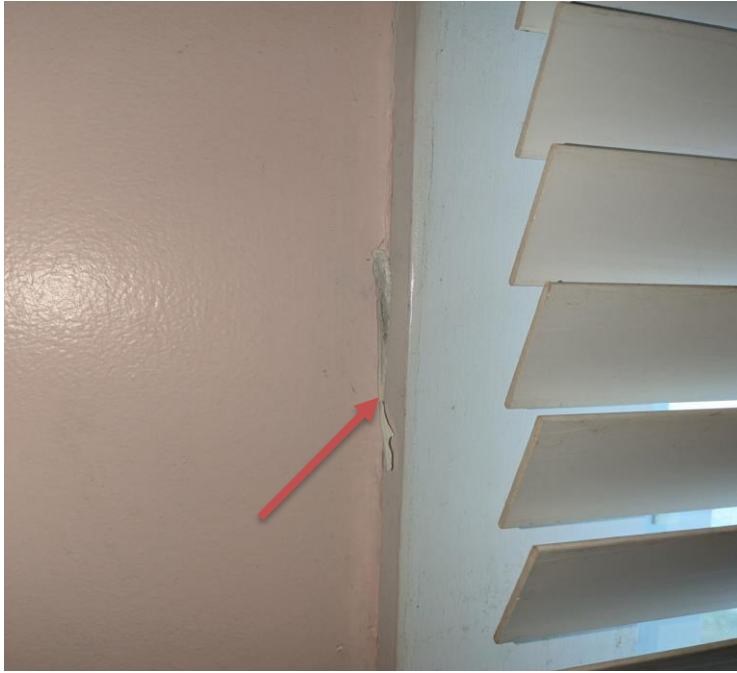
Photo Location:
Basement

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Material Description:
Suspect ACM Interior
Window Caulk

Photo Location:
Bedroom

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Material Description:
Suspect ACM Exterior Door
Caulk

Photo Location:
Exterior

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Material Description:
Suspect ACM Exterior Window Caulk

Photo Location:
Exterior Window Caulk

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Material Description:
Suspect ACM Roofing Material - Grey

Photo Location:
Roof

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Material Description:
Suspect ACM Roofing
Material - Black

Photo Location:
Roof

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Material Description:
Suspect ACM Felt Vapor
Barrier

Photo Location:
Roof

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

Date: 7/25/24



Material Description:
Chimney and Exhaust
Flashing - **Tested Positive
for Asbestos**

Photo Location:
Roof

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Schaumburg, Illinois 60173

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Material Description:
Suspect ACM Roofing
Material - Grey

Photo Location:
Garage Roof

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Material Description:
Suspect ACM Roofing
Material - Tan

Photo Location:
Garage

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Material Description:
Suspect ACM Felt Paper
Barrier

Photo Location:
Garage

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Material Description:
Suspect ACM Door Caulk

Photo Location:
Garage

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Material Description:
Suspect ACM Window
Glazing

Photo Location:
Garage

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Material Description:
Suspect ACM Window Caulk

Photo Location:
Garage

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Material Description:
Suspect ACM Foundation
Sealant - Black

Photo Location:
Exterior

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

Date: 7/25/24

APPENDIX D

Inspector Licenses and Training Certifications



**ASBESTOS
PROFESSIONAL
LICENSE**

ID NUMBER
100 - 08900

ISSUED
3/1/2024

EXPIRES
05/15/2025

TIMOTHY WALSH
15237 LAPORTE AVE
OAK FOREST, IL 60452



Environmental Health

ENDORSEMENTS

TC EXPIRES

INSPECTOR

1/27/2025

PROJECT MANAGER
AIR SAMPLING PROFESSIONAL

8/30/2024

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 Communique dated January 2009).*

2023-07-01 through 2024-06-30

Effective Dates



A handwritten signature in blue ink, reading 'Dana S. Laman'.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

STAT Analysis Corporation

STAT Analysis Corporation
2242 W. Harrison St. Suite 200
Chicago, IL 60612
Carolyn Mazzuca
Phone: 312-733-0551
Email: cmazzuca@statanalysis.com
<http://www.STATAnalysis.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101202-0

Bulk Asbestos Analysis

Code

Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

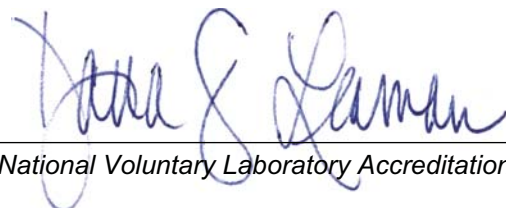
Airborne Asbestos Analysis

Code

Description

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program