

## BUILDING REMOVAL WITH ASBESTOS ABATEMENT (BDE)

Effective: September 1, 1990

Revised: August 1, 2022

Description. This work shall consist of the removal and disposal of building(s), including all foundations, retaining walls, and piers, down to a plane 1 ft (300 mm) below the ultimate bottom of building elevation or proposed bottom of construction elevation. The building(s) are identified as follows:

<u>Bldg. No.</u>	<u>Parcel No.</u>	<u>Location</u>	<u>Description</u>
1*	8810023	2010 South Main Street, Dupo IL	House
2*	8810024	2014 South Main Street, Dupo IL	House
3*	8810024	2014 South Main Street, Dupo IL	Garage
4*	8810026	2022 South Main Street, Dupo IL	House
5*	8810026	2022 South Main Street, Dupo IL	Garage
6*	8810027	803 IMBS Station Road, Dupo IL	House
7	8810027	803 IMBS Station Road, Dupo IL	Concrete Slab
8*	8810030	810 IMBS Station Road, Dupo IL	House
9	8810030	810 IMBS Station Road, Dupo IL	Shed
10*	8810031	2100 South Main Street, Dupo IL	House
11	8810031	2100 South Main Street, Dupo IL	Concrete Slab
12	8810031	2100 South Main Street, Dupo IL	Concrete Slab
13*	8810032	2104 South Main Street, Dupo IL	House
14	8810032	2104 South Main Street, Dupo IL	Garage
15	8810033	2108 South Main Street, Dupo IL	House
16	8810033	2108 South Main Street, Dupo IL	Concrete Slab
17*	8810034	2112 South Main Street, Dupo IL	House
18	8810034	2112 South Main Street, Dupo IL	Concrete Slab
19*	8810044	2027 South Main Street, Dupo IL	House
20*	8810045	2101 South Main Street, Dupo IL	House
21	8810045	2101 South Main Street, Dupo IL	Concrete Slab
22*	8810046	2105 South Main Street, Dupo IL	House
23	8810046	2105 South Main Street, Dupo IL	Shed

\* Signifies Non-Friable Asbestos was found

## CONSTRUCTION REQUIREMENTS

General. The IEPA's "State of Illinois Demolition/Renovation/Asbestos Project Notification Form" shall be submitted and a copy sent to the Engineer. It shall be updated if there is a change in the start and/or finish date or if the quantity of asbestos changes by more than 20 percent.

Asbestos abatement work shall be performed by an IDPH licensed Contractor prequalified with the Illinois Capital Development Board who has an on-site supervisor licensed by IDPH and employs workers licensed by IDPH. This work shall be completed according to the requirements of the U.S. Environmental Protection Agency (USEPA), IEPA, OSHA, and local regulatory agencies.

Discontinuance of Utilities. The Contractor shall arrange for the discontinuance of all utility services and the removal of the metering devices that serve the building(s) according to the respective requirements and regulations of the city, county, or utility companies involved. The Contractor shall disconnect and seal the service outlets.

Posting. Upon execution of the contract and prior to the removal of any buildings, the Contractor shall paint or stencil, in contrasting colors of an oil base paint, on all sides of each building or structure, the following posting:

NO TRESPASSING  
VIOLATORS WILL BE PROSECUTED

The postings shall be positioned prominently on the structure(s) so they can be easily read and at a sufficient height to prevent defacing.

Asbestos Abatement. Friable asbestos containing building materials (ACBMs) and Category II non-friable ACBMs shall be removed from the building(s) prior to demolition. Category II non-friable ACBMs include asbestos containing transite boards, siding, and other cementitious materials (cement pipe or highly weathered roofing shingles/materials) which have a likelihood of becoming friable during typical demolition activities (by crumbling, pulverizing, or otherwise reducing to powder) making them regulated asbestos containing materials (RACM). Removed ACBM shall be kept separate from non-ACBM demolition debris for purposes of transport and disposal.

Category I non-friable ACBM may be kept in place for demolition or removal of the building unless it has become friable as determined by the ACBM inspector. If the Contractor demolishes the building(s) with the non-friable asbestos in place, the following shall apply.

- (a) The Contractor shall continuously wet the non-friable ACBM and other building debris with water during demolition and loading for disposal.
- (b) The Contractor shall dispose of all demolition debris as ACBM.

The Contractor shall perform air monitoring during asbestos abatement activities. Air sampling shall be conducted by a qualified air sampling professional. Air sampling shall be conducted according to NIOSH Method 7400. Air monitoring equipment shall be calibrated and maintained in proper operating condition. The Contractor shall submit a copy of the air sampling professional's certificate to the Engineer. The results of the tests, and daily calibration and maintenance records shall be kept on site and be available to the Engineer upon request.

Personal monitoring shall be conducted per applicable OSHA regulations. Excursion limits shall be monitored daily, and corrective actions taken immediately to bring excursions within OSHA permissible exposure limits.

When asbestos is removed prior to demolition, clearance testing per IDPH shall be conducted upon the removal of ACBM.

Submittals. The following submittals shall be made to the Engineer prior to the start of the asbestos abatement:

- (a) Manufacturer's certification stating that vacuums, ventilation equipment, and other equipment required to contain airborne fibers conform to ANSI 29.2.
- (b) A listing of the brand name, manufacturer, and specification of all sealants or surfactants to be used.
- (c) Proof that arrangements for transport and disposal of ACBMs have been obtained (i.e., a letter of authorization to utilize designated landfill).
- (d) A detailed work plan of the Contractor's anticipated procedures including the location and layout of decontamination units, the sequencing of work, the respiratory protection plan, a site safety plan, a disposal plan, and a detailed description of the methods to be used to control pollution.
- (e) Proof of the Contractor's prequalification with Capital Development Board and employee certifications with IDPH.

Submittals that shall be made upon completion of abatement work:

- (f) Copies of waste chain-of-custodies, trip tickets, shipping manifests, or disposal receipts for asbestos waste materials removed from the work area.
- (g) Copies of each day's work site entry logbook with information on worker and visitor access.
- (h) Logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation units, and other engineering controls.
- (i) Test results of any bulk material analysis and air sampling data collected during the abatement including results of any on-site testing by any federal, state, or local agency.

Any holes, such as basements, shall be backfilled according to Article 502.10.

Basis of Payment. This work will be paid for at the contract lump sum unit price for BUILDING REMOVAL NO. 1 - 23.

Removal and disposal of friable ACBM will be paid for at the contract lump sum unit price for REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. \_\_\_\_.

Removal and disposal of non-friable ACBM will be paid for at the contract lump sum unit price for REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1,2,3,4,5,6,8,10,13,17,19,20, and 22.



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>2010 S. Main St.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810023</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>669</u>	Building Size (sqft):	<u>900</u>

<b>ASBESTOS CONTAINING MATERIALS</b>											
Survey Date	<u>December 18, 2020</u>										
By Whom:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><u>PSI, Inc.</u></td> <td style="width: 50%;">Firm</td> </tr> <tr> <td><u>Ihor Bozhahora</u></td> <td>Inspector</td> </tr> <tr> <td><u>100-18462</u></td> <td>IDPH License No.</td> </tr> <tr> <td><u>Raymond Porter</u></td> <td></td> </tr> <tr> <td><u>100-09688</u></td> <td></td> </tr> </table>	<u>PSI, Inc.</u>	Firm	<u>Ihor Bozhahora</u>	Inspector	<u>100-18462</u>	IDPH License No.	<u>Raymond Porter</u>		<u>100-09688</u>	
<u>PSI, Inc.</u>	Firm										
<u>Ihor Bozhahora</u>	Inspector										
<u>100-18462</u>	IDPH License No.										
<u>Raymond Porter</u>											
<u>100-09688</u>											
<b>Results:</b>											
Number of Material Types Sampled:	<u>12</u>										
Number of Samples Collected:	<u>38</u>										
Number of Materials Testing Positive:	<u>3</u>										
Was Friable ACM Found?	<u>No</u>										
Were Roofing Materials Sampled?	<u>Yes</u>										
Are There Unique State or Local Requirements?	<u>Yes</u>										
<b>Laboratory Utilized:</b>											
Name:	<u>PSI, Inc.</u>										
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>										
<b>Building Access Limitations:</b>											
<u>None</u>											

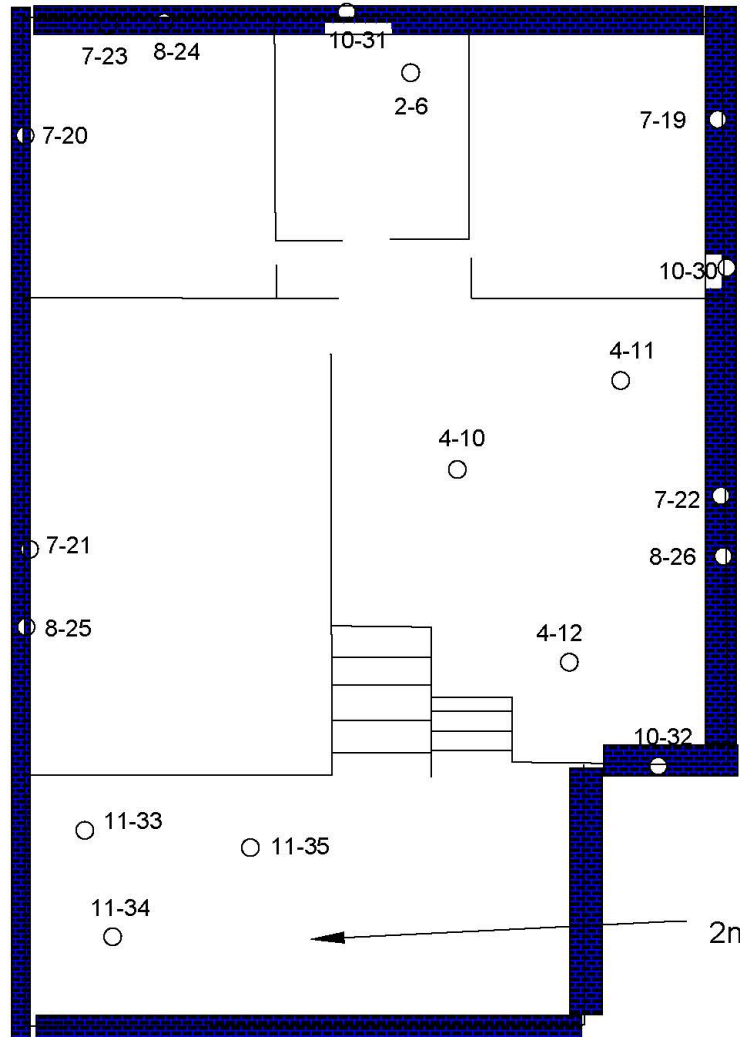


**ACM SURVEY RESULTS - Parcel No. 8810023**  
**Single-family Residence**  
**2010 S. Main Street**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	9" x 9" green floor tile and mastic	Basement	NF	Good	Tile = 5% Mastic = ND	3	800 SF
02	12" x 12" stick-on top layer	Basement, landing, 1 <sup>st</sup> floor bathroom	NF	Good	ND	3	800 SF
03	12" x 12" beige floor tile and mastic	Basement under stick-on tile	NF	Good	Tile = 2% Mastic = 5%	3	825 SF
04	9" x 9" red brick pattern/ mastic	Kitchen	NF	Good	ND	3	150 SF
05	3' x 4' ceiling tile	Basement family room	NF	Good	ND	3	600 SF
06	2' x 4' lay-in ceiling tile	Laundry room, kitchen, basement	NF	Good	ND	3	400 SF
07	Plaster	Throughout walls and ceilings	NF	Good	ND	5	4,500 SF
08	Drywall/ joint compound	Throughout	NF	Good	ND	3	4,500 SF
09	Black wire cover	Basement	NF	Good	ND	3	275 LF
10	Transite exterior	Exterior	NF	Good	20%	3	2,000 SF
11	Black mastic	2 <sup>nd</sup> floor bedroom	NF	Good	<1%	3	150 SF
12	Roofing shingles	Roof	NF	Good	ND	3	2,100 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>3,625 SF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$22,975.00</b>

<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
 \* Point Count Analysis



2-6	ND
12" x 12" Stick on Tile Layer	

4-10 4-11 4-12	ND
9" x 9" Red Brick Pattern/Mastic	

7-19 7-20 7-21 7-22 7-23	ND
Plaster	

8-24 8-25 8-26	ND
Drywall and Joint Compound	

10-30 10-31 10-32	POS
Transite Exterior	

11-33 11-34 11-35	<1%
Black Mastic	

**Legend**

POS      Positive

ND        Non Detect

      Transite Exterior

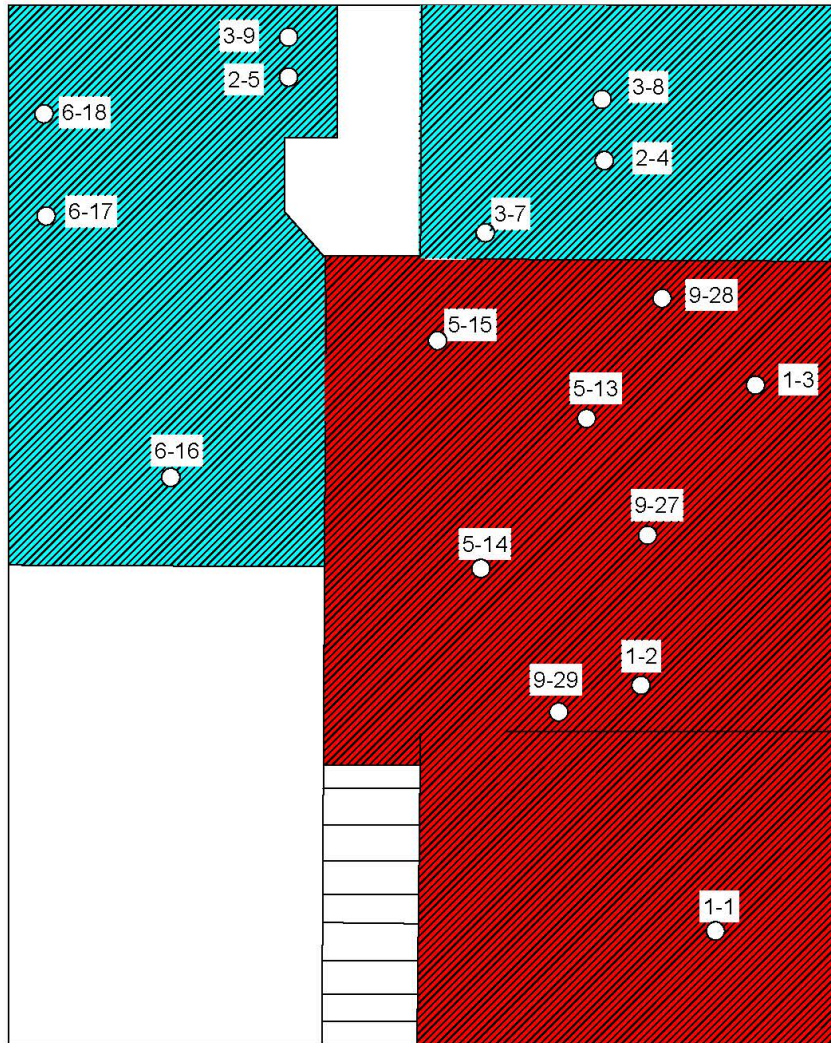
**1st and 2nd Floor Layout Map (not to scale) ↑N**

2010 S. Main Street  
 Dupo, IL  
 Parcel No: 8810023



Project # 928.16  
 IDOT Work Order 669

Intertek-PSI Project  
 # 0047-4021





1-1 1-2 1-3 9" x 9" Green Floor Tile and Mastic	POS	5-13 5-14 5-15 3' x 4' Ceiling Tile	ND
2-4 2-5 12" x 12" Stick on Tile Layer	ND	6-16 6-17 6-18 2' x 4' Lay In Ceiling Tile	ND
3-7 3-8 3-9 12" x 12" Beige Floor Tile and Mastic	POS	9-27 9-28 9-29 Black Wire Cover	ND

Legend	
POS	Positive
ND	Non Detect
	9" x 9" Green Floor Tile and Mastic
	12" x 12" Beige Floor Tile and Mastic

**Anderson**  
environmental

**Basement Layout Map (not to scale)**

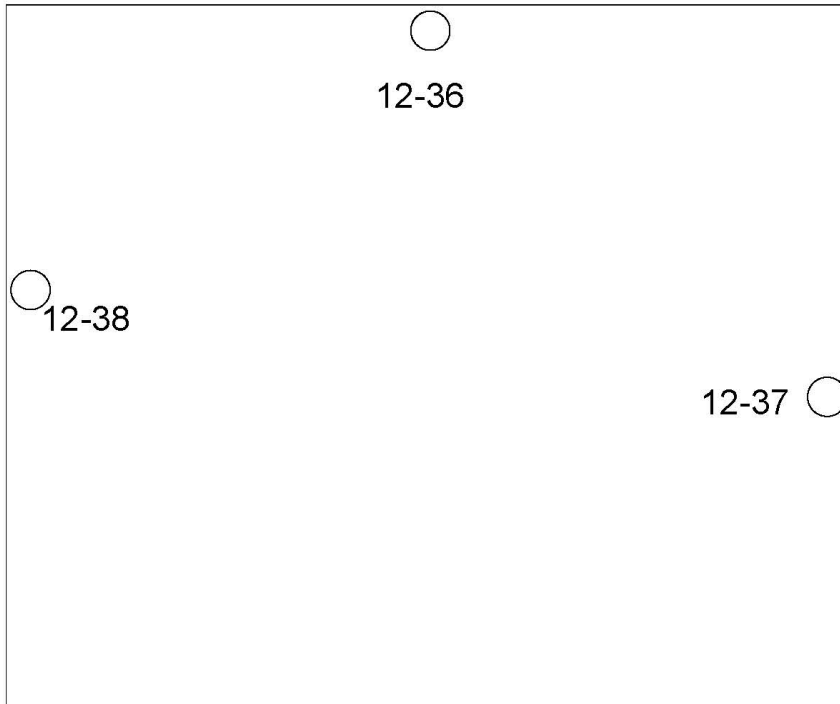
↑N

2010 S. Main Street  
Dupu, IL  
Parcel No: 8810023

Project # 928.16  
IDOT Work Order 669

Intertek-PSI Project  
# 0047-4021





12-36 12-37 12-38	ND
Roofing Shingles	

Legend	
ND	Non Detect

**Anderson**  
 environmental

**Roof Layout Map (not to scale)**

↑ N

2010 S. Main Street  
 Dupu, IL  
 Parcel No: 8810023

Project # 928.16  
 IDOT Work Order 669

Intertek-PSI Project  
 # 0047-4021



**SCI ENGINEERING, INC.**

**EARTH • SCIENCE • SOLUTIONS**

GEOTECHNICAL  
ENVIRONMENTAL  
NATURAL RESOURCES  
CULTURAL RESOURCES  
CONSTRUCTION SERVICES

June 30, 2022

Kim Restoff  
Burns & McDonnell  
1075 Eastgate Drive, Suite 1  
O'Fallon, Illinois 62269

RE: Asbestos Survey Activities  
Dupo Interchange Phase 2 Engineering  
2014 S. Main Street (White Residence)  
Dupo, Illinois  
SCI No. 2005-3284.25

Dear Kim Restoff:

SCI Engineering, Inc. (SCI) is pleased to submit this report of the analytical test results for samples collected during the asbestos survey performed at 2014 S. Main Street (Parcel 8810024) which was performed on June 3, 2022, at the above-referenced site. The survey was conducted by Dan Vielweber, an Illinois Environmental Protection Agency (EPA)-licensed asbestos inspector. A copy of the Dan's asbestos inspector license is enclosed.

The purpose of this survey was to identify asbestos-containing materials (ACMs) in accessible areas on-site. This survey is intended to satisfy the requirements for the asbestos National Emission Standard for Hazardous Air Pollutant for demolition and renovation. They are not intended to be used for Occupational Safety and Health Administration (OSHA) compliance.

The on-site structure is residence which was constructed in the 1960s. The exterior of the structure was wood and vinyl siding with aluminum windows, and an asphalt shingle roof. The structure utilized a forced air HVAC system. The outbuilding was included in SCI's survey activities.

## **LIMITATIONS**

SCI's asbestos survey entailed visually assessing accessible areas only. If any other suspect asbestos materials are discovered during demolition or renovation, please contact SCI, and we will make arrangements for assessment of these materials. Areas behind walls, under subfloors and above fixed ceilings are considered non-accessible.

During the course of performing the survey of the structure, SCI was able to access all locations within the structure.

## **ASBESTOS SURVEY**

Thirty-six samples were collected from the on-site structure. Of these 36 samples, 32 were analyzed using a positive stop procedure. These samples were analyzed by Polarized Light Microscopy (PLM). Of the 32 samples analyzed, 2 were found to contain asbestos. Analytical test results and chain-of-custody documentation are enclosed. The results of the analysis of all samples are summarized in Table 1.

**Table 1 - Summary of Analytical Test Results**

Sample Number	Material Location	Material Description	Approx. Quantity	Result	Category
2014-001a	Kitchen	9" x 9" White with Brown Specks Floor Tile (on wood)	150 sf	None Detected in Floor Tile or Mastic	--
2014-001b				None Detected in Floor Tile or Mastic	
2014-001c				None Detected in Floor Tile or Mastic	
2014-002a	Back Door Landing and Stairs	12" x 12" White with Brown Specks Floor Tile (on wood)	35 sf	None Detected in Floor Tile or Mastic	--
2014-002b				None Detected in Floor Tile or Mastic	
2014-002c				None Detected in Floor Tile or Mastic	
2014-003a	Bathroom	12" x 12" White with Blue Floral Floor Tile (with black mastic, on wood)	20 sf	5-10% Chrysotile in Floor Tile and Mastic	NCI
2014-003b				Not Analyzed due to Positive Stop	
2014-003c				Not Analyzed due to Positive Stop	
2014-004a	Bathroom	12" x 12" White with Blue Square Floor Tile (with black mastic, on wood)	12 sf	None Detected in Floor Tile or Mastic	--
2014-004b				None Detected in Floor Tile or Mastic	
2014-004c				None Detected in Floor Tile or Mastic	
2014-005a	Attic	Original Roofing System	100 sf	None Detected	--
2014-005b				None Detected	
2014-005c				None Detected	
2014-006a	Kitchen	White Sink Coating	1 Sink	None Detected	--
2014-006b				None Detected	
2014-006c				None Detected	
2014-007a	Original Wood Windows	Window Glaze (9 Windows)	360 lf	5-10% Chrysotile	NCII
2014-007b				Not Analyzed due to Positive Stop	
2014-007c				Not Analyzed due to Positive Stop	
2014-008a	Throughout	Plaster System	--	None Detected	--
2014-008b				None Detected	
2014-008c				None Detected	
2014-009a	Throughout	Drywall System (under 8)	--	None Detected	--
2014-009b				None Detected	
2014-009c				None Detected	
2014-010a	Basement Windows	Interior Window Glaze (4 Windows)	60 lf	None Detected	--
2014-010b				None Detected	
2014-010c				None Detected	

sf - square feet

lf - linear feet

NCI - Non-Friable Category I material

NCII - Non-Friable Category II Material

**Table 1 - Summary of Analytical Test Results (continued)**

Sample Number	Material Location	Material Description	Approx. Quantity	Result	Category
2014-011a	Roof and Garage Roof	Asphalt Shingles	1,800 sf	None Detected	--
2014-011b				None Detected	
2014-011c				None Detected	
2014-012a	Garage	Tar Paper	--	None Detected	--
2014-012b				None Detected	
2014-012c				None Detected	

sf - square feet



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>2022 S. Main St.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810026</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>670</u>	Building Size (sqft):	<u>940</u>

<b>ASBESTOS CONTAINING MATERIALS</b>	
Survey Date	<u>December 15, 2020</u>
By Whom:	<u>PSI, Inc.</u> Firm
	<u>Ihor Bozhahora</u> Inspector
	<u>100-18462</u> IDPH License No.
	<u>Raymond Porter</u>
	<u>100-09688</u>
<b>Results:</b>	
Number of Material Types Sampled:	<u>6</u>
Number of Samples Collected:	<u>20</u>
Number of Materials Testing 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>Yes</u>
<b>Laboratory Utilized:</b>	
Name:	<u>PSI, Inc.</u>
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>
<b>Building Access Limitations:</b>	
<u>None</u>	

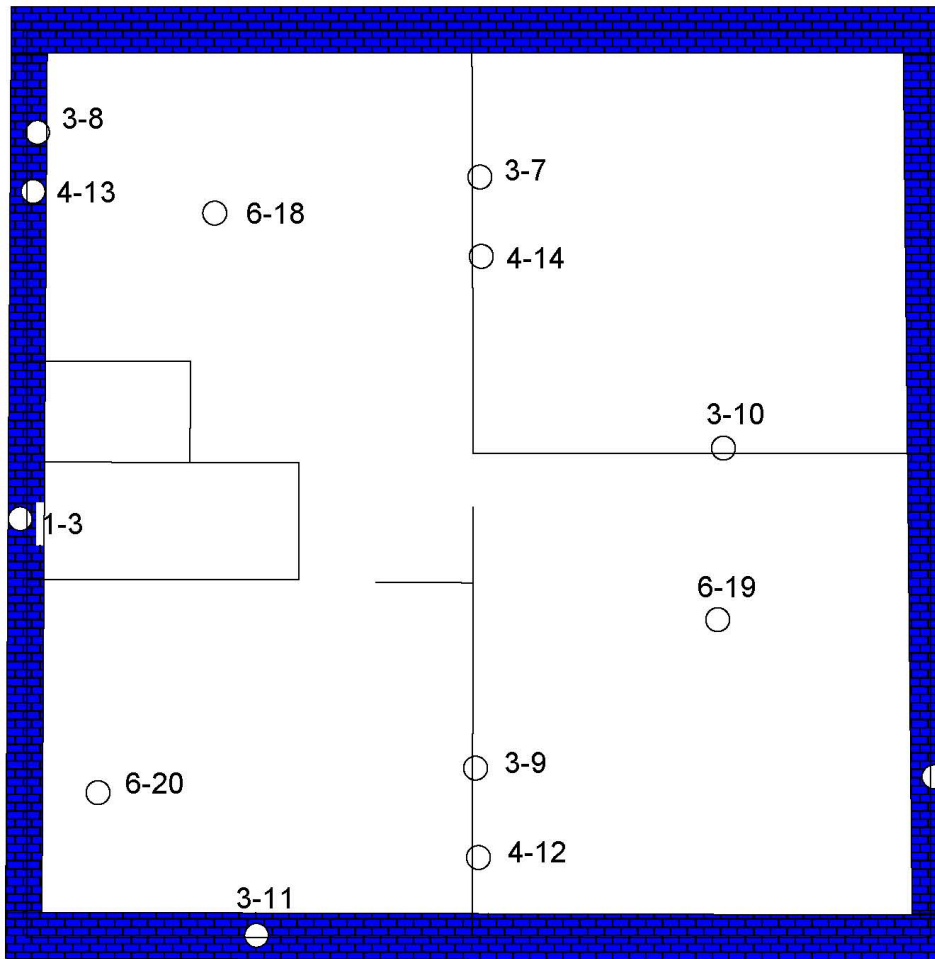


**ACM SURVEY RESULTS - Parcel No. 8810026**  
**Single-family Residence**  
**2022 S. Main Street**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	Transite siding	House and garage siding	NF	Good	20%	3	2,400 SF
02	Roofing shingles	House and garage roof	NF	Good	ND	3	700 SF
03	Plaster	Throughout house	NF	Good	ND	5	3,700 SF
04	Drywall	Throughout	NF	Good	ND	3	3,700 SF
05	Wire covering	Basement	NF	Good	ND	3	200 LF
06	Ceramic tile/ grout	Laundry room, kitchen, basement	NF	Good	ND	3	850 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>2,400 SF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$17,150.00</b>

<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
\* Point Count Analysis

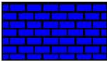


1-2 1-3	POS
Transite Siding	

3-7 3-8 3-9 3-10 3-11	ND
Plaster	

4-12 4-13 4-14	ND
Drywall	

6-18 6-19 6-20	ND
Ceramic Tile and Grout	

Legend	
POS	Positive
ND	Non Detect
	Transite Siding

**1st Floor Layout Map (not to scale)**

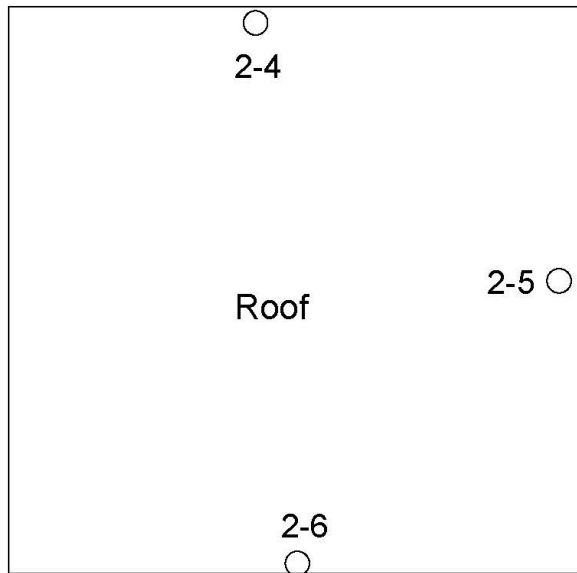


2022 S. Main Street  
 Dupo, IL  
 Parcel No: 8810026



Project # 928.17  
 IDOT Work Order 670

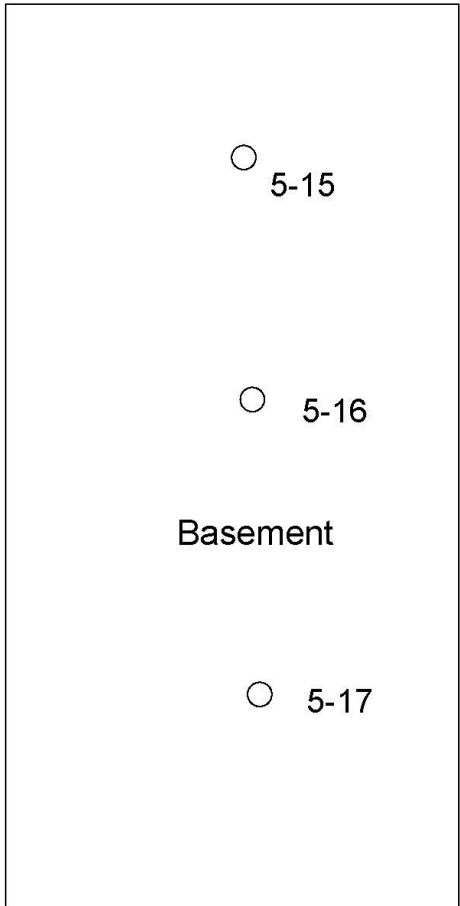
Intertek-PSI Project  
 # 0047-4021



2-4 2-5 2-6	ND
Roofing Shingles	

Legend  
 ND Non Detect

5-15 5-16 5-17	ND
Wire Covering	



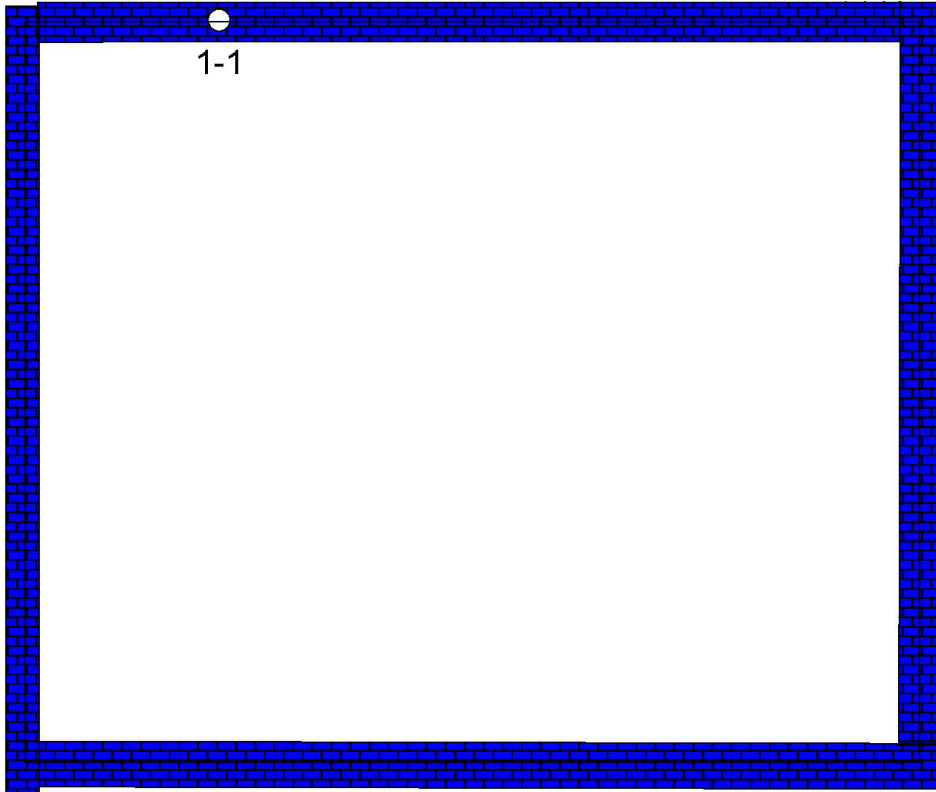
Roof and Basement Layout Map (not to scale) ↑N

2022 S. Main Street  
 Dupu, IL  
 Parcel No: 8810026

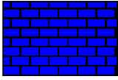
Project # 928.17  
 IDOT Work Order 670

Intertek-PSI Project  
 # 0047-4021





1-1	POS
Transite Siding	

Legend	
POS	Positive
	Transite Siding

**Anderson**  
 environmental

**Garage Layout Map (not to scale) ↑N**

2022 S. Main Street  
 Dupu, IL  
 Parcel No: 8810026

Project # 928.17  
 IDOT Work Order 670

Intertek-PSI Project  
 # 0047-4021



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>803 IMBS Station Rd.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810027</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>675</u>	Building Size (sqft):	<u>1,376</u>

<b>ASBESTOS CONTAINING MATERIALS</b>	
Survey Date	<u>December 22, 2020</u>
By Whom:	<u>PSI, Inc.</u> Firm
	<u>Ihor Bozhahora</u> Inspector
	<u>100-18462</u> IDPH License No.
	<u>Raymond Porter</u>
	<u>100-09688</u>
<b>Results:</b>	
Number of Material Types Sampled:	<u>15</u>
Number of Samples Collected:	<u>47</u>
Number of Materials Testing Positive:	<u>2</u>
Was Friable ACM Found?	<u>No</u>
Were Roofing Materials Sampled?	<u>Yes</u>
Are There Unique State or Local Requirements?	<u>Yes</u>
<b>Laboratory Utilized:</b>	
Name:	<u>PSI, Inc.</u>
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>
<b>Building Access Limitations:</b>	
<u>None</u>	



**ACM SURVEY RESULTS - Parcel No. 8810027**  
**Single-family Residence**  
**803 IMBS Station Road**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	2' x 4' white ceiling tile	Basement, restroom	F	Good	ND	3	50 SF
02	Window glazing	Basement windows	NF	Good	ND	3	150 LF
<b>03</b>	<b>Transite sheeting</b>	<b>Exterior window cover</b>	<b>NF</b>	<b>Good</b>	<b>10%</b>	<b>3</b>	<b>700 SF</b>
04	Ceramic tile/grout	Kitchen	NF	Good	ND	3	275 SF
05	12" x 12" tan floor tile/ black mastic	Rear entrance	NF	Good	ND	3	200 SF
06	2' x 2' white ceiling tile	Rear entrance	F	Good	ND	3	250 SF
07	Wire cover	Basement	NF	Good	ND	3	175 LF
08	1' x 1' ceiling tile	Rear entrance	F	Good	ND	3	250 SF
09	Roof shingles	Roof	NF	Good	ND	3	2,500 SF
<b>10</b>	<b>9" x 9" multicolor floor tile (multiple layers)</b>	<b>Basement</b>	<b>NF</b>	<b>Good</b>	<b>Tile = 5% Mastic = ND Tile = 3% Mastic = ND</b>	<b>3</b>	<b>750 SF</b>
11	Brown linoleum/ mastic	Basement	NF	Good	ND	3	100 SF
12	White ceramic tile/ grout	Basement restroom	NF	Good	ND	3	80 SF

<sup>1</sup> F = Friable; NF = Nonfriable

<sup>2</sup> Cond. = Condition Of Materials

<sup>3</sup> ND = None Detected

\* Point Count Analysis

Friability is further defined in section 4.

Either good, fair or poor.



## SECTION 2 INTRODUCTION

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
13	White ceramic tile/ grout	Main floor restroom	NF	Good	ND	3	150 SF
14	Plaster	Throughout	NF	Good	ND	5	4,300 SF
15	Drywall	Throughout	NF	Good	ND	3	4,300 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>1,450 SF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>10,650.00</b>

- <sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
\* Point Count Analysis

Legend	
ND	Non Detect
POS	Positive
	Transite Sheeting

3-7 3-8 3-9	POS
Transite Sheeting	

6-16 6-17 6-18	ND
2' x 2' White Ceiling Tile	

4-10 4-11 4-12	ND
Ceramic Tile and Grout	

8-22 8-23 8-24	ND
1' x 1' Ceiling Tile	

5-13 5-14 5-15	ND
12" x 12" Tan Floor Tile and Black Mastic	

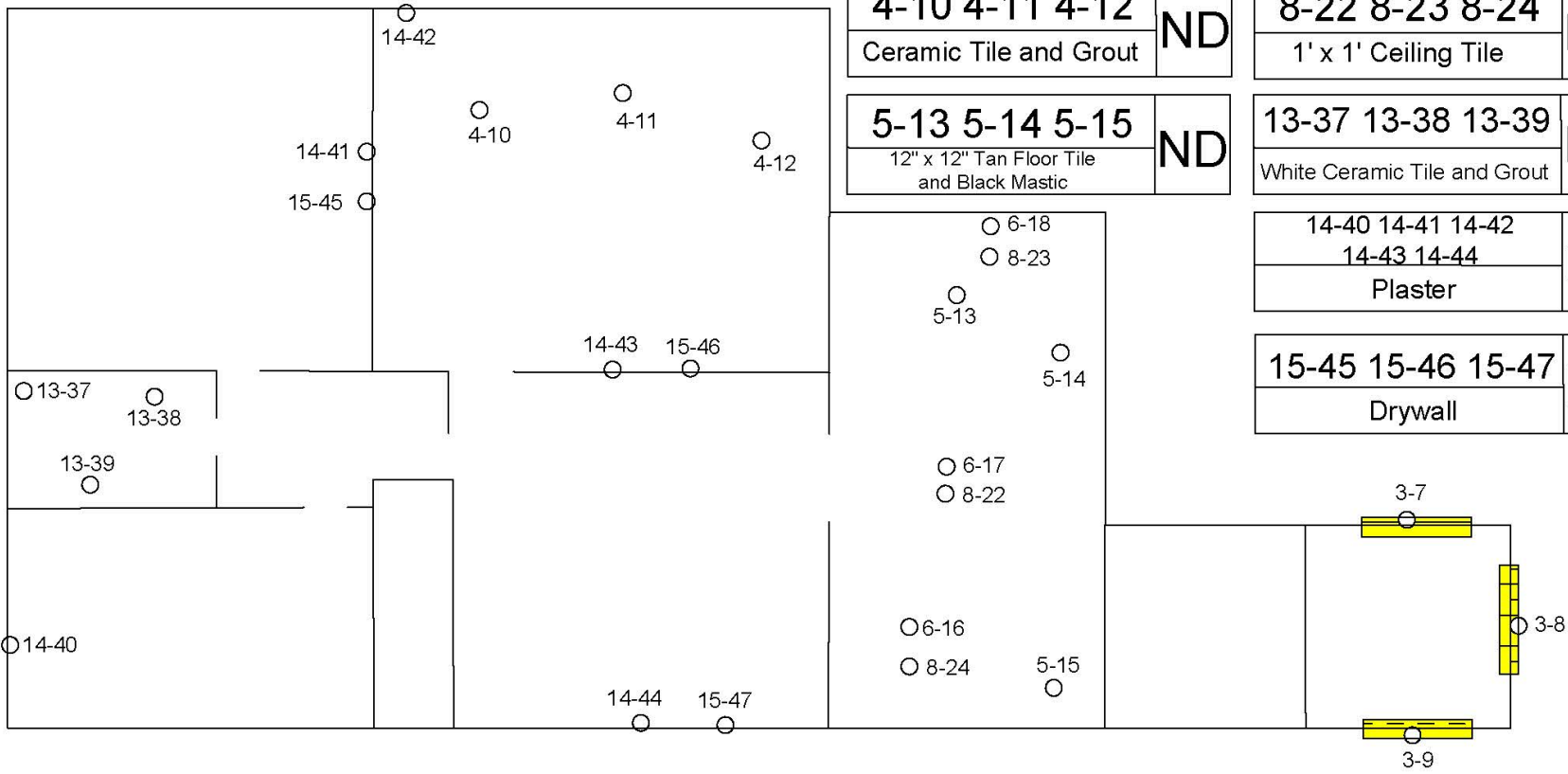
13-37 13-38 13-39	ND
White Ceramic Tile and Grout	

6-18 8-23	ND
5-13	

14-40 14-41 14-42 14-43 14-44	ND
Plaster	

6-17 8-22	ND
5-14	

15-45 15-46 15-47	ND
Drywall	



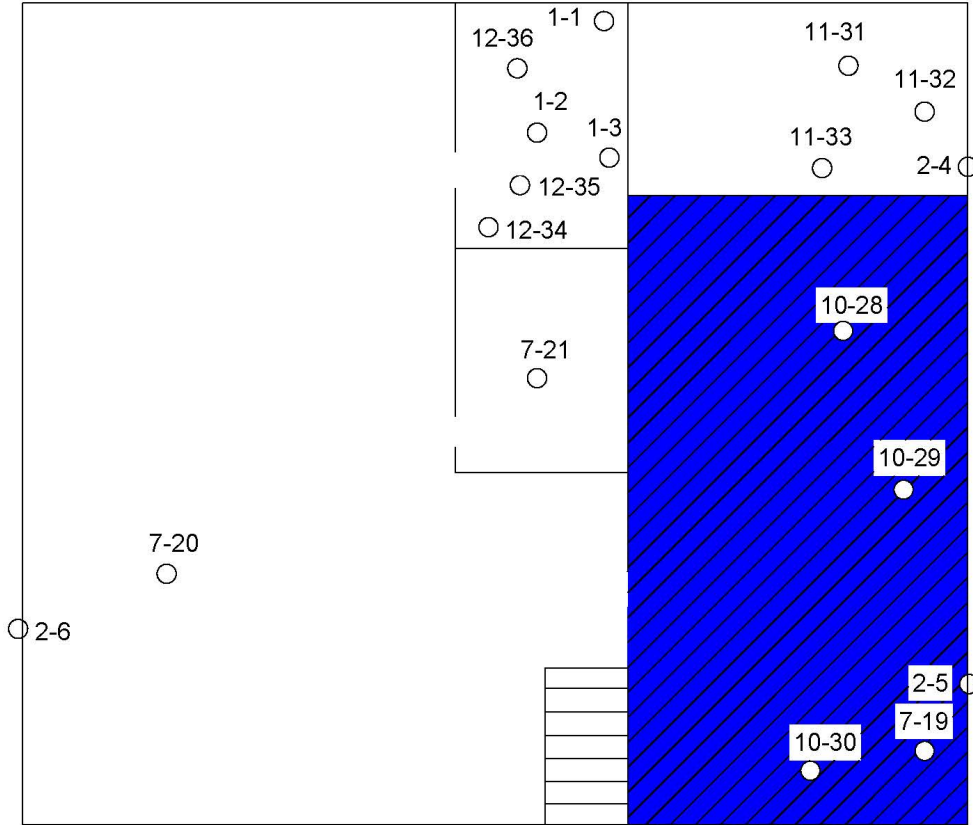
**1st Floor Layout Map (not to scale)** ↑N

803 IMBS Station Road  
 Dupu, IL  
 Parcel No: 8810027

Project # 928.19  
 IDOT Work Order 675

Intertek-PSI Project  
 # 0047-4021





1-1 1-2 1-3	ND
2' x 4' White Ceiling Tile	


2-4 2-5 2-6	ND
Window Glazing	

7-19 7-20 7-21	ND
Wire Covering	

10-28 10-29 10-30	POS
9" x 9" Multicolor Floor Tile	

11-31 11-32 11-33	ND
Brown Linoleum and Mastic	

12-34 12-35 12-36	ND
White Ceramic Tile and Grout	

Legend	
ND	Non Detect
POS	Positive
	9" x 9" Multicolor Floor Tile

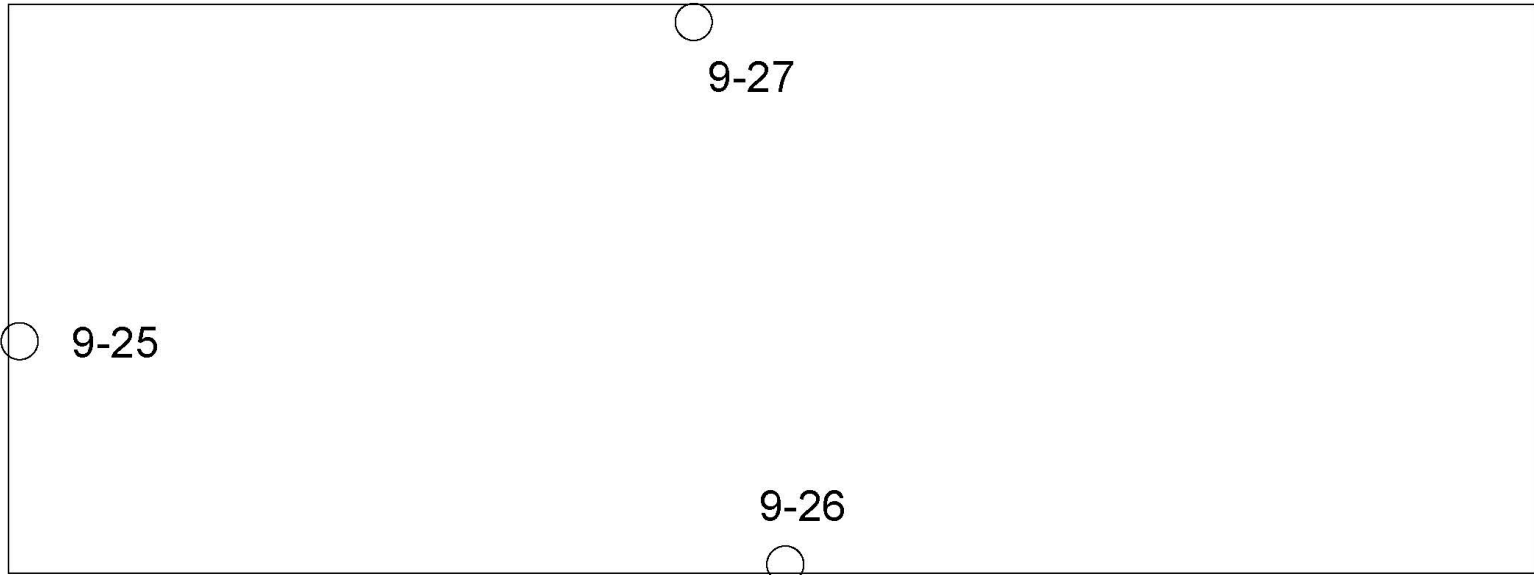


**Basement Layout Map (not to scale)** ↑N

803 IMBS Station Road  
 Dupo, IL  
 Parcel No: 8810027

Project # 928.19  
 IDOT Work Order 675

Intertek-PSI Project  
 # 0047-4021



**Legend**  
 ND Non Detect

9-25	9-26	9-27	<b>ND</b>
Roofing Shingles			



<b>Roof Layout Map</b> (not to scale)		↑N
803 IMBS Station Road Dupo, IL Parcel No: 8810027		
Project # 928.19 IDOT Work Order 675	Intertek-PSI Project # 0047-4021	



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>810 IMBS Station Road.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810030</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>666</u>	Building Size (sqft):	<u>1,008</u>

<b>ASBESTOS CONTAINING MATERIALS</b>	
Survey Date	<u>December 11, 2020</u>
By Whom:	<u>PSI, Inc.</u> Firm
	<u>Ihor Bozhahora</u> Inspector
	<u>100-18462</u> IDPH License No.
	<u>Raymond Porter</u>
	<u>100-09688</u>
<b>Results:</b>	
Number of Material Types Sampled:	<u>10</u>
Number of Samples Collected:	<u>32</u>
Number of Materials Testing 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>Yes</u>
<b>Laboratory Utilized:</b>	
Name:	<u>PSI, Inc.</u>
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>
<b>Building Access Limitations:</b>	
<u>None</u>	





**ACM SURVEY RESULTS - Parcel No. 8810030**  
**Single-family Residence**  
**810 IMBS Station Road**  
**Dupo, Illinois**

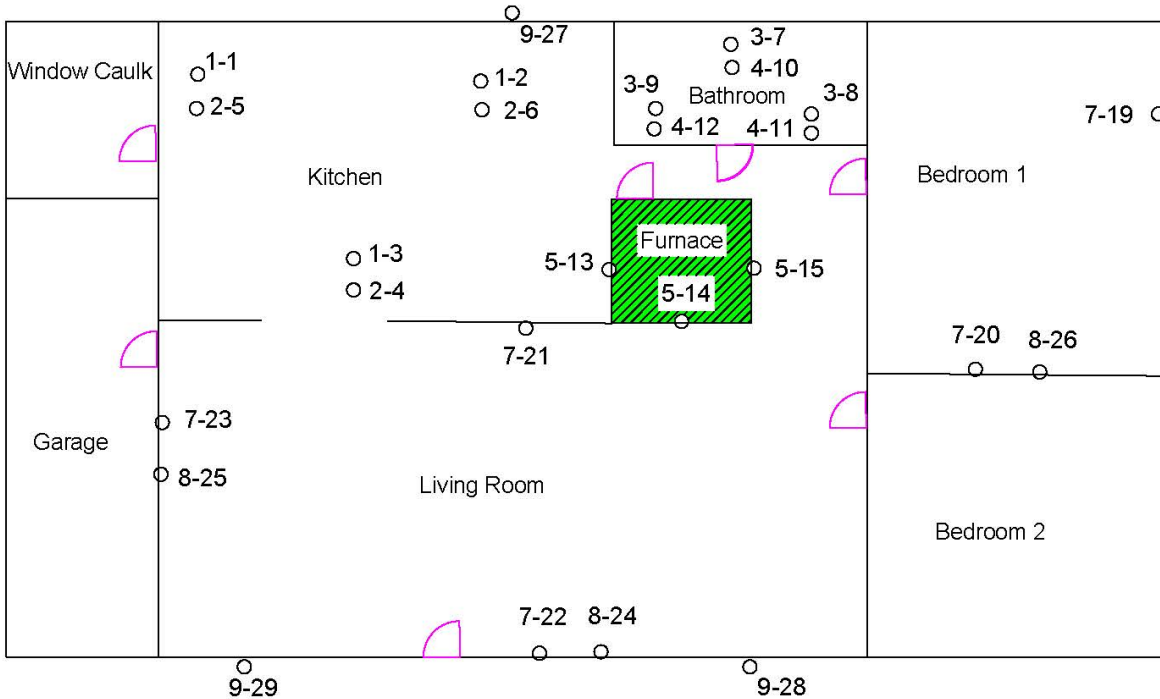
The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	12" x 12" white self-stick floor tile	Kitchen	NF	Good	ND	3	260 SF
02	Green tile/ mastic	Kitchen (2 <sup>nd</sup> layer)	NF	Good	ND	3	275 SF
03	Brown flooring material	Bathroom	NF	Good	ND	3	60 SF
04	White linoleum flooring	Bathroom (2 <sup>nd</sup> layer)	NF	Good	ND	3	60 SF
<b>05</b>	<b>Transite</b>	<b>Furnace room</b>	<b>NF</b>	<b>Good</b>	<b>20%</b>	<b>3</b>	<b>260 SF</b>
06	Wire coating	Attic	NF	Good	ND	3	300 SF
07	Plaster	Throughout walls and ceilings	NF	Good	ND	5	2,500 SF
08	Drywall/ joint compound	Interior walls	NF	Good	ND	3	700 SF
09	Window caulk	Exterior windows	NF	Good	ND	3	2,000 SF
10	Roofing material	Roofs	NF	Good	ND	3	2,000 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>260 SF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$2,660.00</b>

<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
\* Point Count Analysis

1-1 1-2 1-3	ND
12" x 12" White Self-Stick Floor Tile	

2-4 2-5 2-6	ND
Green Tile/Mastic	



3-7 3-8 3-9	ND
Brown Flooring Material	


4-10 4-11 4-12	ND
White Linoleum Flooring	

5-13 5-14 5-15	POS
Transite	

9-27 9-28 9-29	ND
Window Caulk	

7-19 7-20 7-21 7-22 7-23	ND
Plaster	

8-24 8-25 8-26	ND
Drywall and Joint Compound	

Legend	
ND	Non Detect
POS	Positive
	20% Chrysotile



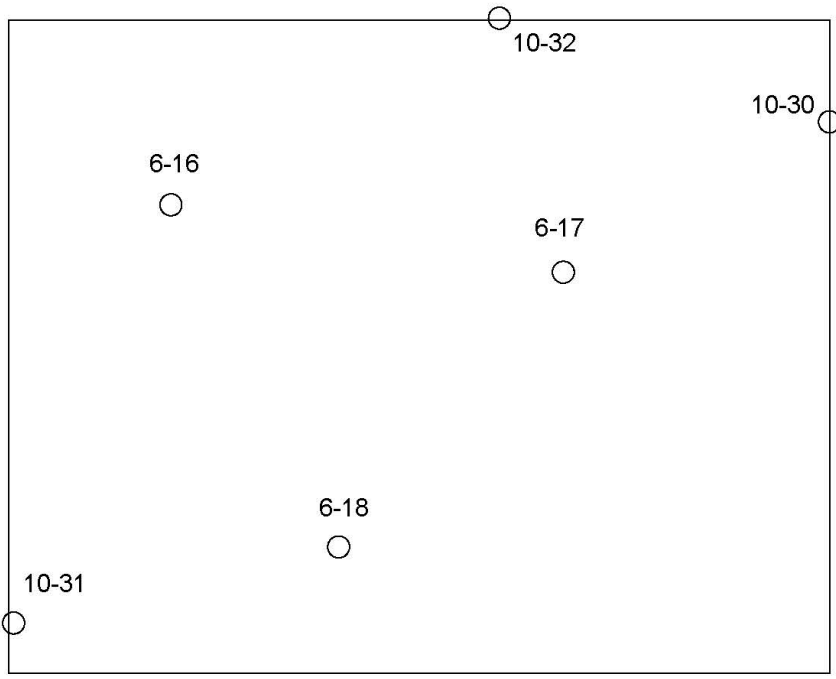
**1st Floor Layout Map (not to scale)**



810 IMBS Station Road  
 Dupu, IL  
 Parcel No: 8810030

Project # 928.11  
 IDOT Work Order 666

Intertek-PSI Project  
 # 0047-4021



6-16 6-17 6-18	ND
Wire Coating	

10-30 10-31 10-32	ND
Roofing Material	

**Legend**  
**ND** Non Detect



**Attic/Roof Layout Map** (not to scale) ✓ N

810 IMBS Station Road  
 Dupo, IL  
 Parcel No: 8810030

Project # 928.11  
 IDOT Work Order 663

Intertek-PSI Project  
 # 0047-4021



**SCI ENGINEERING, INC.**

**EARTH • SCIENCE • SOLUTIONS**

GEOTECHNICAL  
ENVIRONMENTAL  
NATURAL RESOURCES  
CULTURAL RESOURCES  
CONSTRUCTION SERVICES

June 30, 2022

Kim Restoff  
Burns & McDonnell  
1075 Eastgate Drive, Suite 1  
O'Fallon, Illinois 62269

RE: Asbestos Survey Activities  
Dupo Interchange Phase 2 Engineering  
2100 S. Main Street (Horseley Residence)  
Dupo, Illinois  
SCI No. 2005-3284.25

Dear Kim Restoff:

SCI Engineering, Inc. (SCI) is pleased to submit this report of the analytical test results for samples collected during the asbestos survey at 2100 S. Main Street (Parcel 8810031) which was performed on June 3, 2022, at the above-referenced site. The survey was conducted by Dan Vielweber, an Illinois Environmental Protection Agency (EPA)-licensed asbestos inspector. A copy of the Dan's asbestos inspector license is enclosed.

The purpose of this survey was to identify asbestos-containing materials (ACMs) in accessible areas on-site. This survey is intended to satisfy the requirements for the asbestos National Emission Standard for Hazardous Air Pollutant for demolition and renovation. They are not intended to be used for Occupational Safety and Health Administration (OSHA) compliance.

The on-site structure is a residence and outbuilding which were constructed in the 1960s. The exterior of the structure was transite siding with aluminum windows, and an asphalt shingle roof. The structure utilized a forced air HVAC system.

## **LIMITATIONS**

SCI's asbestos survey entailed visually assessing accessible areas only. If any other suspect asbestos materials are discovered during demolition or renovation, please contact SCI, and we will make arrangements for assessment of these materials. Areas behind walls, under subfloors and above fixed ceilings are considered non-accessible.

During the course of performing the survey of the structure, SCI was able to access all locations within the structure.

## **ASBESTOS SURVEY**

Forty-eight samples were collected from the on-site structure. Of these 48 samples, 38 were analyzed using a positive stop procedure. These samples were analyzed by Polarized Light Microscopy (PLM). Of the 38 samples analyzed, 5 were found to contain asbestos. Analytical test results and chain-of-custody documentation are enclosed. The results of the analysis of all samples are summarized in Table 1.

**Table 1 - Summary of Analytical Test Results**

Sample Number	Material Location	Material Description	Approx. Quantity	Result	Category
2100-001a	Kitchen	9" x 9" Gray Floor Tile (with black mastic)	100 sf	None Detected in Tile, Backing or Mastic	--
2100-001b				None Detected in Tile, Backing or Mastic	
2100-001c				None Detected in Tile, Backing or Mastic	
2100-002a	Kitchen	9" x 9" Yellow Floor Tile (with black mastic)	100 sf	None Detected in Tile, Backing or Mastic	--
2100-002b				None Detected in Tile, Backing or Mastic	
2100-002c				None Detected in Tile, Backing or Mastic	
2100-003a	Bathroom	Wallboard with Mastic	--	None Detected in Wallboard or Mastic	--
2100-003b				None Detected in Wallboard or Mastic	
2100-003c				None Detected in Wallboard or Mastic	
2100-004a	Throughout 1 <sup>st</sup> Floor	Plaster System	--	None Detected	--
2100-004b				None Detected	
2100-004c				None Detected	
2100-005a	Throughout 1 <sup>st</sup> Floor	Drywall System (under 4)	--	None Detected	--
2100-005b				None Detected	
2100-005c				None Detected	
2100-006a	Basement	Drywall System (new)	--	None Detected	--
2100-006b				None Detected	
2100-006c				None Detected	
2100-007a	Sunroom	Residual Black Mastic (under carpet)	60 sf	None Detected	--
2100-007b				None Detected	
2100-007c				None Detected	
2100-008a	Sunroom	1' x 1' Ceiling Tile (stapled)	88 sf	None Detected	--
2100-008b				None Detected	
2100-008c				None Detected	
2100-009a	Windows	Window Glaze (7 windows)	172 lf	None Detected	--
2100-009b				None Detected	
2100-009c				None Detected	
2100-010a	Exterior	Transite Siding	1,125 sf	25-30% Chrysotile in Siding; None Detected in Mastic	NCII
2100-010b				Not Analyzed due to Positive Stop	
2100-010c				Not Analyzed due to Positive Stop	
2100-011a	Exterior	White Door Caulk (1 Door)	20 lf	10-15% Chrysotile	NCII
2100-011b				Not Analyzed due to Positive Stop	
2100-011c				Not Analyzed due to Positive Stop	

sf - square feet

lf - linear feet

NCII - Non-Friable Category II Material

**Table 1 - Summary of Analytical Test Results (continued)**

Sample Number	Material Location	Material Description	Approx. Quantity	Result	Category
2100-012a	Exterior	Tar Paper (under 10)	1,125 sf	None Detected	--
2100-012b				None Detected	
2100-012c				None Detected	
2100-013a	Roof	Asphalt Shingles (house and garage)	2,000 sf	None Detected	--
2100-013b				None Detected	
2100-013c				None Detected	
2100-014a	Basement Windows	Interior Window Glaze (2 windows)	18 lf	5-10% Chrysotile	NCII
2100-014b				Not Analyzed due to Positive Stop	
2100-014c				Not Analyzed due to Positive Stop	
2100-015a	Garage Windows	Interior Window Glaze (2 windows)	28 lf	5-10% Chrysotile	NCII
2100-015b				Not Analyzed due to Positive Stop	
2100-015c				Not Analyzed due to Positive Stop	
2100-016a	Windows	White Window Caulk (7 windows)	90 lf	5-10% Chrysotile	NCII
2100-016b				Not Analyzed due to Positive Stop	
2100-016c				Not Analyzed due to Positive Stop	

sf - square feet

lf - linear feet

NCII - Non-Friable Category II Material



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>2104 S. Main St.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810032</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>676</u>	Building Size (sqft):	<u>1,215</u>

<b>ASBESTOS CONTAINING MATERIALS</b>	
Survey Date	<u>December 18, 2020</u>
By Whom:	<u>PSI, Inc.</u> Firm
	<u>Ihor Bozhahora</u> Inspector
	<u>100-18462</u> IDPH License No.
	<u>Raymond Porter</u>
	<u>100-09688</u>
<b>Results:</b>	
Number of Material Types Sampled:	<u>10</u>
Number of Samples Collected:	<u>32</u>
Number of Materials Testing Positive:	<u>3</u>
Was Friable ACM Found?	<u>No</u>
Were Roofing Materials Sampled?	<u>Yes</u>
Are There Unique State or Local Requirements?	<u>Yes</u>
<b>Laboratory Utilized:</b>	
Name:	<u>PSI, Inc.</u>
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>
<b>Building Access Limitations:</b>	
<u>None</u>	



**ACM SURVEY RESULTS - Parcel No. 8810032**  
**Single-family Residence**  
**2104 S. Main Street**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	Wire covering	Basement	NF	Good	ND	3	125 LF
02	Transite	Exterior	NF	Good	10%	3	2,200 SF
03	Roof shingles	Roof	NF	Good	ND	3	2,200 SF
04	12" x 12" white ceramic floor tile	Kitchen and stairs	NF	Good	ND	3	150 SF
05	9" x 9" tan and red floor tile	Bedroom off kitchen	NF	Good	Tile = 3% Mastic = ND	3	200 SF
06	12" x 12" brown floor tile	Family room	NF	Good	Tile = 3% Mastic = ND	3	200 SF
07	12" x 12" brown stick-on top layer	Family room	NF	Good	ND	3	200 SF
08	Plaster	Throughout walls and ceilings (behind drywall)	NF	Good	ND	5	2,200 SF
09	Drywall/joint compound	Throughout walls and ceilings	NF	Good	ND	3	2,200 SF
10	12" x 12" ceramic tile	Bathroom	NF	Good	ND	3	100 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>2,800 SF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$17,950.00</b>

<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
 \* Point Count Analysis



2-4 2-5 2-6	POS
Transite Siding	

4-10 4-11 4-12	ND
12" x 12" White Ceramic Floor Tile	

5-13 5-14 5-15	POS
9" x 9" Tan and Red Floor Tile	

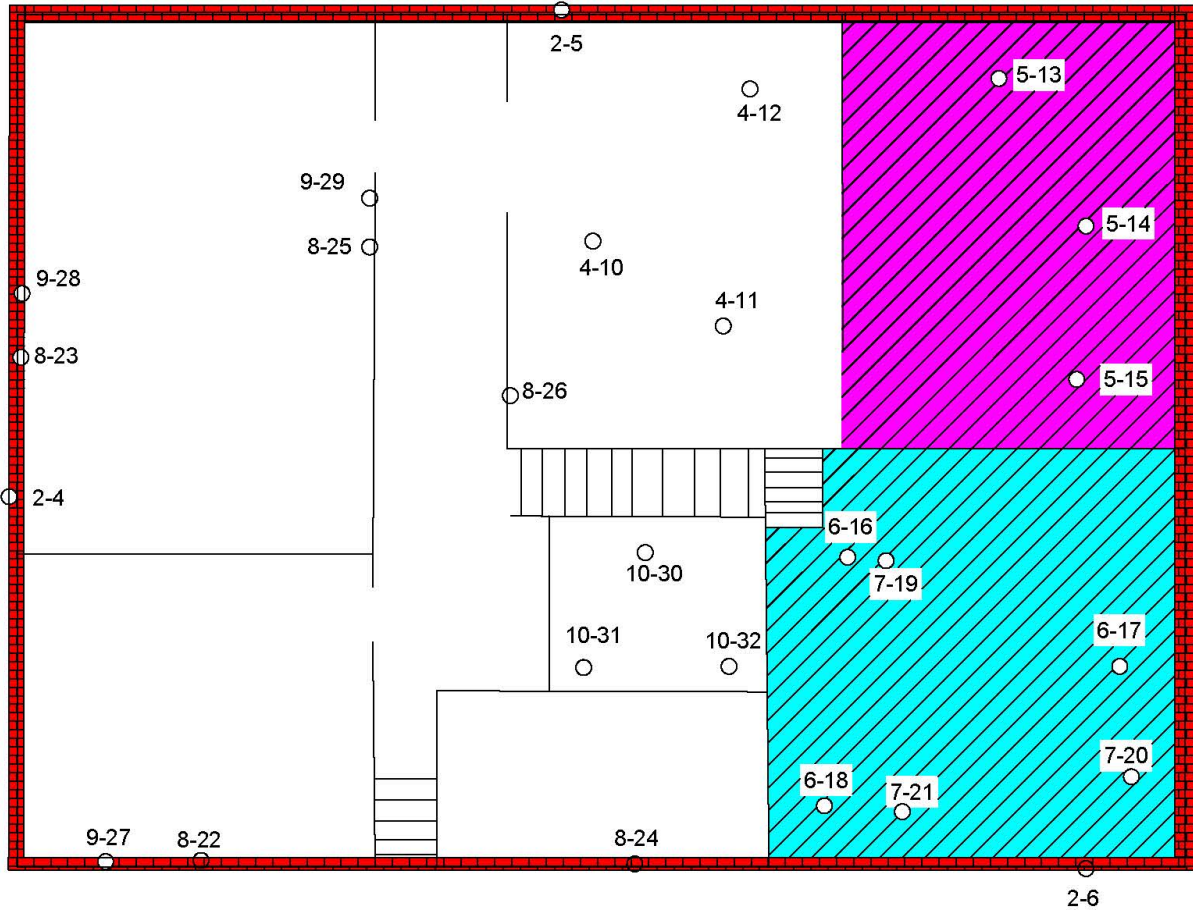
6-16 6-17 6-18	POS
12" x 12" Brown Floor Tile	

7-19 7-20 7-21	ND
12" x 12" Brown Stick-on Tile	

8-22 8-23 8-24 8-25 8-26	ND
Plaster	

9-27 9-28 9-29	ND
Drywall and Joint Compound	

10-30 10-31 10-32	ND
12" x 12" Ceramic Floor Tile	



Legend	
ND	Non Detect
POS	Positive
	Transite Siding
	9" x 9" Tan and Red Floor Tile
	12" x 12" Brown Floor Tile

**1st Floor Layout Map (not to scale)**

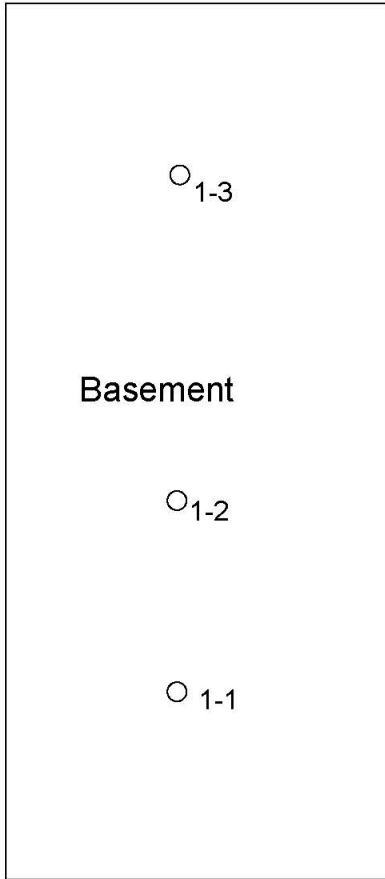


2104 S. Main Street  
Dupo, IL  
Parcel No: 8810032



Project # 928.20  
IDOT Work Order 676

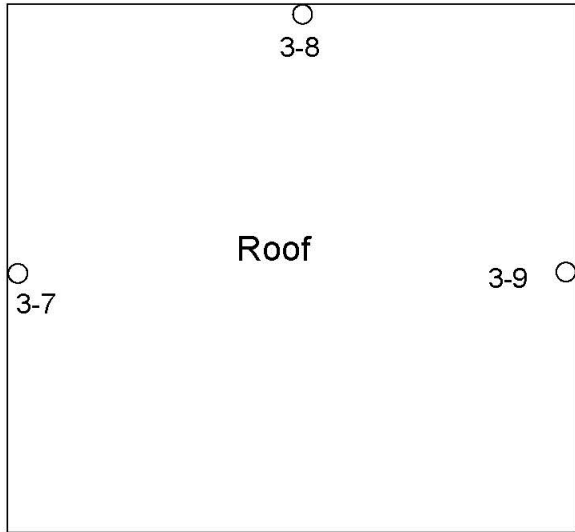
Intertek-PSI Project  
# 0047-4021



1-1 1-2 1-3	<b>ND</b>
Wire Covering	

3-7 3-8 3-9	<b>ND</b>
Roofing Shingles	

**Legend**  
**ND** Non Detect



**Basement and Roof Layout Map (not to scale)**



2104 S. Main Street  
 Dupu, IL  
 Parcel No: 8810032

Project # 928.20  
 IDOT Work Order 676

Intertek-PSI Project  
 # 0047-4021



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>2108 S. Main St.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810033</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>667</u>	Building Size (sqft):	<u>800</u>

<b>ASBESTOS CONTAINING MATERIALS</b>											
Survey Date	<u>December 14, 2020</u>										
By Whom:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><u>PSI, Inc.</u></td> <td style="width: 50%;">Firm</td> </tr> <tr> <td><u>Ihor Bozhahora</u></td> <td>Inspector</td> </tr> <tr> <td><u>100-18462</u></td> <td>IDPH License No.</td> </tr> <tr> <td><u>Raymond Porter</u></td> <td></td> </tr> <tr> <td><u>100-09688</u></td> <td></td> </tr> </table>	<u>PSI, Inc.</u>	Firm	<u>Ihor Bozhahora</u>	Inspector	<u>100-18462</u>	IDPH License No.	<u>Raymond Porter</u>		<u>100-09688</u>	
<u>PSI, Inc.</u>	Firm										
<u>Ihor Bozhahora</u>	Inspector										
<u>100-18462</u>	IDPH License No.										
<u>Raymond Porter</u>											
<u>100-09688</u>											
<b>Results:</b>											
Number of Material Types Sampled:	<u>8</u>										
Number of Samples Collected:	<u>26</u>										
Number of Materials Testing 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>Yes</u>										
<b>Laboratory Utilized:</b>											
Name:	<u>PSI, Inc.</u>										
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>										
<b>Building Access Limitations:</b>											
<u>None</u>											

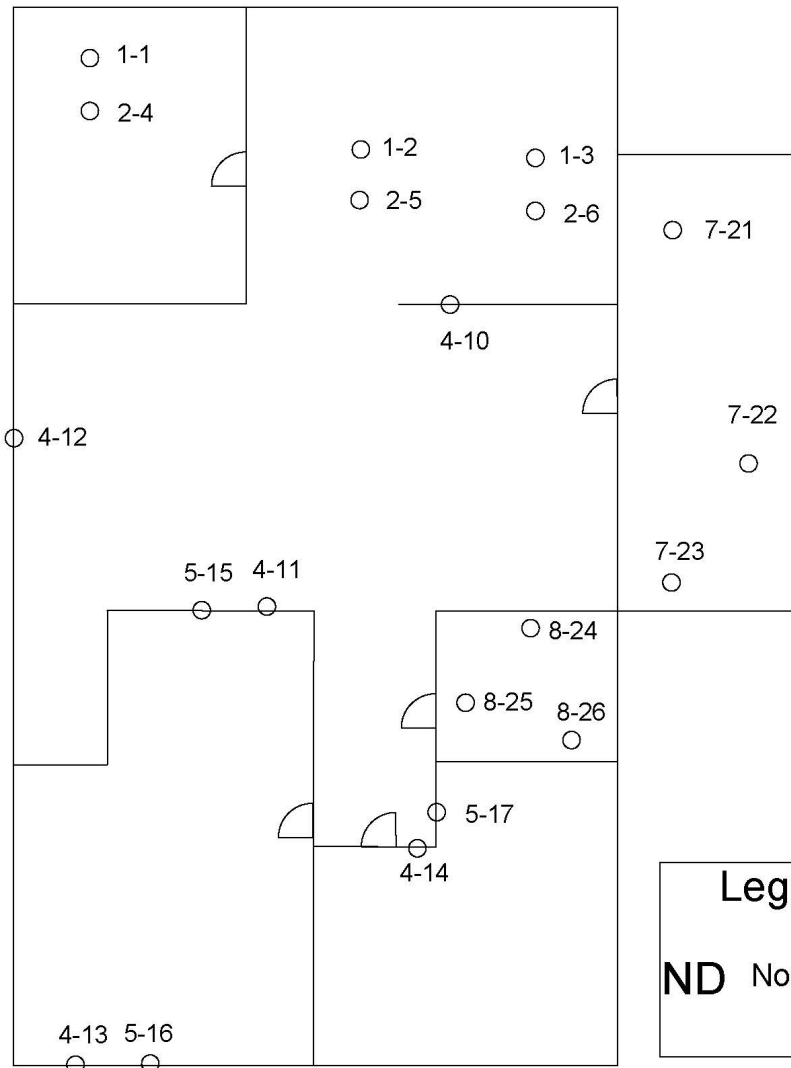


**ACM SURVEY RESULTS - Parcel No. 8810033**  
**Single-family Residence**  
**2108 S. Main Street**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	Tan linoleum flooring	Kitchen	NF	Good	ND	3	300 SF
02	12"x12" speckled floor tile/mastic	Kitchen and laundry (bottom layer)	NF	Good	ND	3	300 SF
03	Asphalt roofing shingles	House roof	NF	Good	ND	3	2,140 SF
04	Plaster	Throughout walls and ceilings	NF	Good	ND	5	2,140 SF
05	Drywall/ joint compound	Throughout walls and ceilings	NF	Good	ND	3	2,800 SF
<b>06</b>	<b>Transite siding</b>	<b>Garage</b>	<b>NF</b>	<b>Good</b>	<b>20%</b>	<b>3</b>	<b>450 SF</b>
07	Gold linoleum flooring	Sunroom	NF	Good	ND	3	200 SF
08	12"x12" gray ceramic tile/ grout	Bathroom	NF	Good	ND	3	50 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>450 SF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$3,500.00</b>

<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
\* Point Count Analysis



1-1 1-2 1-3	ND
Tan Linoleum Flooring	
2-4 2-5 2-6	ND
12" x 12" Speckled Tile and Mastic Flooring	
4-10 4-11 4-12 4-13 4-14	ND
Plaster	
5-15 5-16 5-17	ND
Drywall and Joint Compound	
7-21 7-22 7-23	ND
Gold Linoleum Flooring	
8-24 8-25 8-26	ND
12" x 12" Gray Ceramic Tile and Grout	

**Legend**  
 ND Non Detect



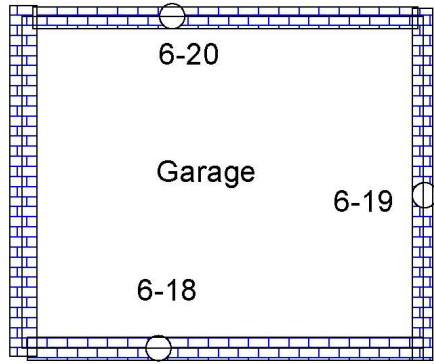
**First Floor Map** (not to scale)

N↑

2108 S. Main Street  
 Dupo, IL  
 Parcel No: 8810033

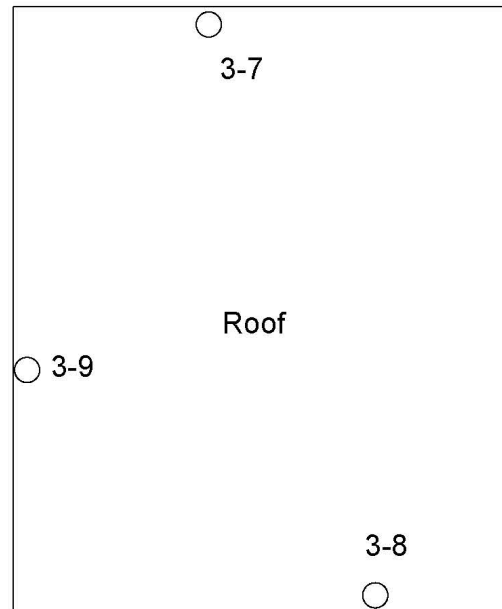
Project # 928.15 IDOT  
 Work Order 667


Intertek-PSI Project  
 # 0047-4021



3-7 3-8 3-9	ND
Asphalt Shingles	

6-18 6-19 6-20	POS
Transite Siding	



Legend	
ND	Non Detect
POS	Positive
	Transite Siding



**Roof and Garage Map (not to scale)**

N↑

2108 S. Main Street  
 Dupo, IL  
 Parcel No: 8810033

Project # 928.15 IDOT  
 Work Order 667

Intertek-PSI Project  
 # 0047-4021



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>2112 S. Main St.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810034</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>672</u>	Building Size (sqft):	<u>959</u>

<b>ASBESTOS CONTAINING MATERIALS</b>											
Survey Date	<u>December 21, 2020</u>										
By Whom:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><u>PSI, Inc.</u></td> <td style="width: 50%;">Firm</td> </tr> <tr> <td><u>Ihor Bozhahora</u></td> <td>Inspector</td> </tr> <tr> <td><u>100-18462</u></td> <td>IDPH License No.</td> </tr> <tr> <td><u>Raymond Porter</u></td> <td></td> </tr> <tr> <td><u>100-09688</u></td> <td></td> </tr> </table>	<u>PSI, Inc.</u>	Firm	<u>Ihor Bozhahora</u>	Inspector	<u>100-18462</u>	IDPH License No.	<u>Raymond Porter</u>		<u>100-09688</u>	
<u>PSI, Inc.</u>	Firm										
<u>Ihor Bozhahora</u>	Inspector										
<u>100-18462</u>	IDPH License No.										
<u>Raymond Porter</u>											
<u>100-09688</u>											
<b>Results:</b>											
Number of Material Types Sampled:	<u>9</u>										
Number of Samples Collected:	<u>29</u>										
Number of Materials Testing Positive:	<u>2</u>										
Was Friable ACM Found?	<u>No</u>										
Were Roofing Materials Sampled?	<u>Yes</u>										
Are There Unique State or Local Requirements?	<u>Yes</u>										
<b>Laboratory Utilized:</b>											
Name:	<u>PSI, Inc.</u>										
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>										
<b>Building Access Limitations:</b>											
<u>None</u>											



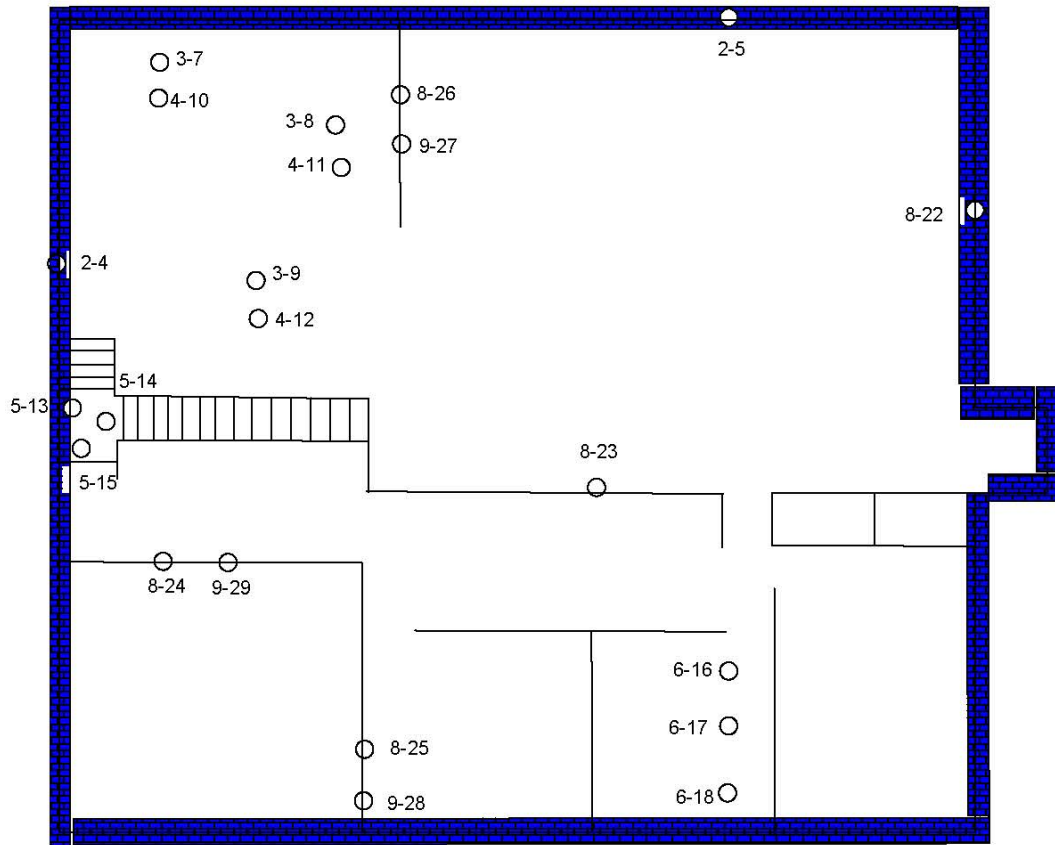
**ACM SURVEY RESULTS - Parcel No. 8810034**  
**Single-family Residence**  
**2112 S. Main Street**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	Duct seam cover	Basement ductwork	NF	Good	40%	3	80 LF
02	Transite siding	House and garage siding	NF	Good	15%	3	3,000 SF
03	Tan linoleum flooring	Kitchen (top layer)	NF	Good	ND	3	200 SF
04	White speckled linoleum flooring	Kitchen (bottom layer)	NF	Good	ND	3	200 SF
05	Brown ceramic tile	Rear entrance	NF	Good	ND	3	10 SF
06	Beige ceramic tile	Restroom	NF	Good	ND	3	75 SF
07	Roofing shingles	Roof	NF	Good	ND	3	1,800 SF
08	Plaster	Throughout house	NF	Good	ND	5	3,700 SF
09	Drywall	Throughout house	NF	Good	ND	3	3,00 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>3,000 SF, 80 LF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$21,230.00</b>

<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
\* Point Count Analysis





2-4 2-5	POS
Transite Siding	

5-13 5-14 5-15	ND
Brown Ceramic Tile	


3-7 3-8 3-9	ND
Tan Linoleum Flooring	

6-16 6-17 6-18	ND
Beige Ceramic Tile	

4-10 4-11 4-12	ND
White Speckled Linoleum Flooring	

8-22 8-23 8-24 8-25 8-26	ND
Plaster	

9-27 9-28 9-29	ND
Drywall	

Legend	
POS	Positive
ND	Non Detect
	Transite Siding

**Anderson**  
environmental

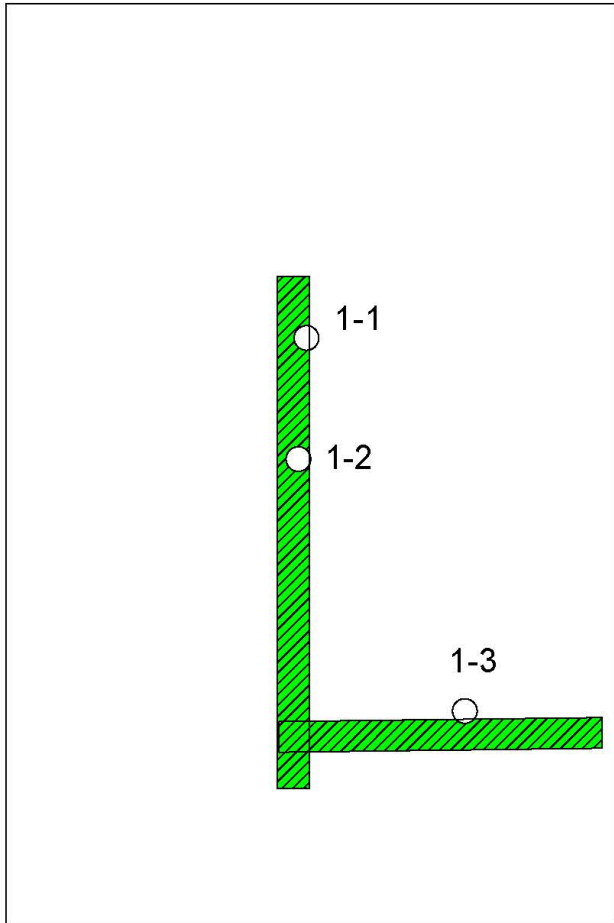
**1st Floor Layout Map (not to scale)**



2112 S. Main Street  
Dupu, IL  
Parcel No: 8810021

Project # 928.18  
IDOT Work Order 672


Intertek-PSI Project  
# 0047-4021



1-1	1-2	1-3	POS
Duct Seam Cover			

**Legend**

POS                      Positive

                      Duct Seam Cover



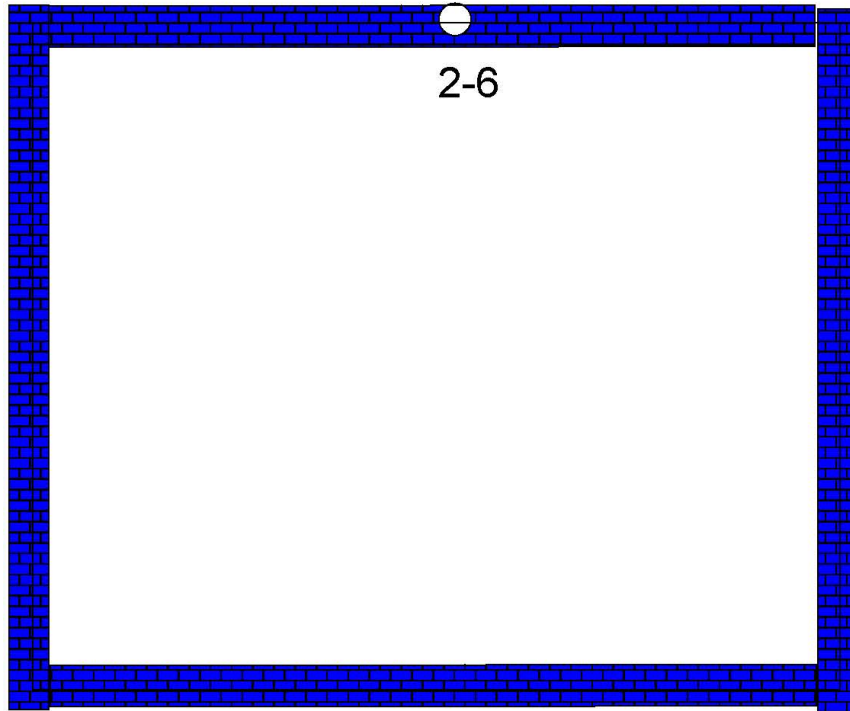
**Basement Layout Map (not to scale)**



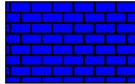
2112 S. Main Street  
 Dupo, IL  
 Parcel No: 8810021

Project # 928.18  
 IDOT Work Order 672

Intertek-PSI Project  
 # 0047-4021



2-6	POS
Transite Siding	

Legend	
POS	Positive
	Transite Siding

**Anderson**  
 environmental

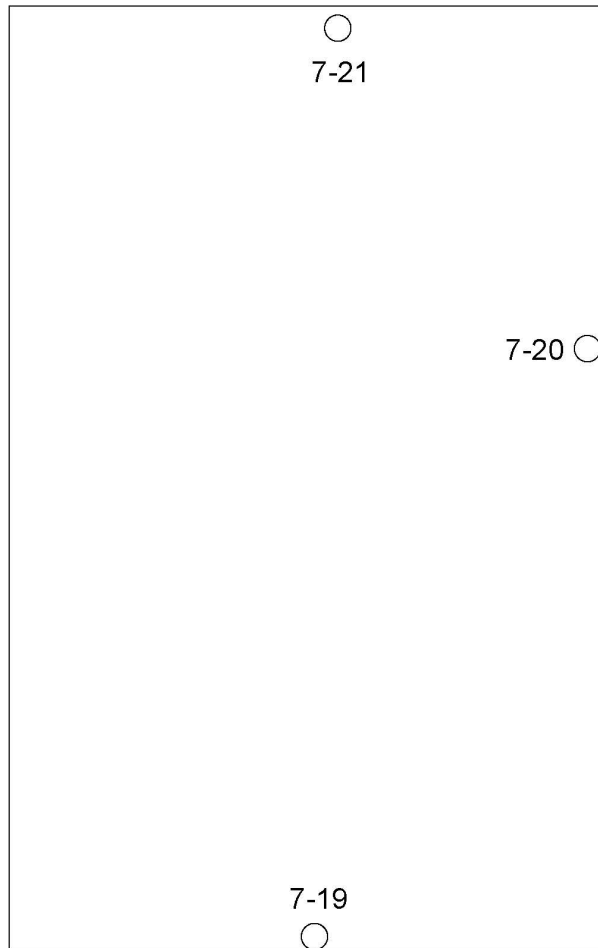
**Garage Layout Map (not to scale)**



2112 S. Main Street  
 Dupu, IL  
 Parcel No: 8810021

Project # 928.18  
 IDOT Work Order 672

Intertek-PSI Project  
 # 0047-4021



7-19 7-20 7-21	<b>ND</b>
Roofing Shingles	

**Legend**  
**ND** Non Detect



**Garage Layout Map (not to scale)**



2112 S. Main Street  
 Dupo, IL  
 Parcel No: 8810021

Project # 928.18  
 IDOT Work Order 672

Intertek-PSI Project  
 # 0047-4021



**SCI ENGINEERING, INC.**

**EARTH • SCIENCE • SOLUTIONS**

GEOTECHNICAL  
ENVIRONMENTAL  
NATURAL RESOURCES  
CULTURAL RESOURCES  
CONSTRUCTION SERVICES

June 30, 2022

Kim Restoff  
Burns & McDonnell  
1075 Eastgate Drive, Suite 1  
O'Fallon, Illinois 62269

RE: Asbestos Survey Activities  
Dupo Interchange Phase 2 Engineering  
2027 S. Main Street (Flowers Residence)  
Dupo, Illinois  
SCI No. 2005-3284.25

Dear Kim Restoff:

SCI Engineering, Inc. (SCI) is pleased to submit this report of the analytical test results for samples collected during the asbestos survey performed at 2027 S. Main Street (Parcel 8810044) which was performed on June 15, 2022, at the above-referenced site. The survey was conducted by Dan Vielweber, an Illinois Environmental Protection Agency (EPA)-licensed asbestos inspector. A copy of the Dan's asbestos inspector license is enclosed.

The purpose of this survey was to identify asbestos-containing materials (ACMs) in accessible areas on-site. This survey is intended to satisfy the requirements for the asbestos National Emission Standard for Hazardous Air Pollutant for demolition and renovation. They are not intended to be used for Occupational Safety and Health Administration (OSHA) compliance.

The on-site structure is a 1,512-square-foot residence which was constructed in 1956. The exterior of the structure was brick and vinyl siding with wood and metal windows, and an asphalt shingle roof. The structure utilized a forced air HVAC system. No outbuildings were included in these survey activities.

## **LIMITATIONS**

SCI's asbestos survey entailed visually assessing accessible areas only. If any other suspect asbestos materials are discovered during demolition or renovation, please contact SCI, and we will make arrangements for assessment of these materials. Areas behind walls, under subfloors and above fixed ceilings are considered non-accessible.

During the course of performing the survey of the structure, SCI was able to access all locations within the structure.

## **ASBESTOS SURVEY**

Twenty-seven samples were collected from the on-site structure. Of these 27 samples, 25 were analyzed using a positive stop procedure. These samples were analyzed by Polarized Light Microscopy (PLM). Of the 25 samples analyzed, 1 was found to contain asbestos. Analytical test results and chain-of-custody documentation are enclosed. The results of the analysis of all samples are summarized in Table 1.

**Table 1 - Summary of Analytical Test Results**

Sample Number	Material Location	Material Description	Approx. Quantity	Result	Category
2027-001a	Throughout	Plaster Systems	--	None Detected	--
2027-001b				None Detected	
2027-001c				None Detected	
2027-002a	Throughout	Wall Texture	--	None Detected	--
2027-002b				None Detected	
2027-002c				None Detected	
2027-003a	Basement	Interior Window Glaze (5 Windows)	50 lf	None Detected	--
2027-003b				None Detected	
2027-003c				None Detected	
2027-004a	Kitchen	White Sink Coating	1 Sink	5-10% Chrysotile	NCII
2027-004b				Not Analyzed due to Positive Stop	
2027-004c				Not Analyzed due to Positive Stop	
2027-005a	Attic	Mineral Wool Insulation	--	None Detected	--
2027-005b				None Detected	
2027-005c				None Detected	
2027-006a	Windows	Exterior Window Glaze (11 Windows)	250 lf	None Detected	--
2027-006b				None Detected	
2027-006c				None Detected	
2027-007a	Windows	Window Caulk (4 Windows)	55 lf	None Detected	--
2027-007b				None Detected	
2027-007c				None Detected	
2027-008a	Roof	Red Asphalt Shingles	--	None Detected	--
2027-008b				None Detected	
2027-008c				None Detected	
2027-009a	Roof	Brown Asphalt Shingles (under 8)	--	None Detected	--
2027-009b				None Detected	
2027-009c				None Detected	

lf – linear feet

NCII - Non-Friable Category II Material



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>2101 S. Main St.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810045</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>673</u>	Building Size (sqft):	<u>1,008</u>

<b>ASBESTOS CONTAINING MATERIALS</b>	
Survey Date	<u>December 7, 2020</u>
By Whom:	<u>PSI, Inc.</u> Firm
	<u>Ihor Bozhahora</u> Inspector
	<u>100-18462</u> IDPH License No.
	<u>Raymond Porter</u>
	<u>100-09688</u>
<b>Results:</b>	
Number of Material Types Sampled:	<u>11</u>
Number of Samples Collected:	<u>35</u>
Number of Materials Testing Positive:	<u>5</u>
Was Friable ACM Found?	<u>No</u>
Were Roofing Materials Sampled?	<u>Yes</u>
Are There Unique State or Local Requirements?	<u>Yes</u>
<b>Laboratory Utilized:</b>	
Name:	<u>PSI, Inc.</u>
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>
<b>Building Access Limitations:</b>	
<u>None</u>	



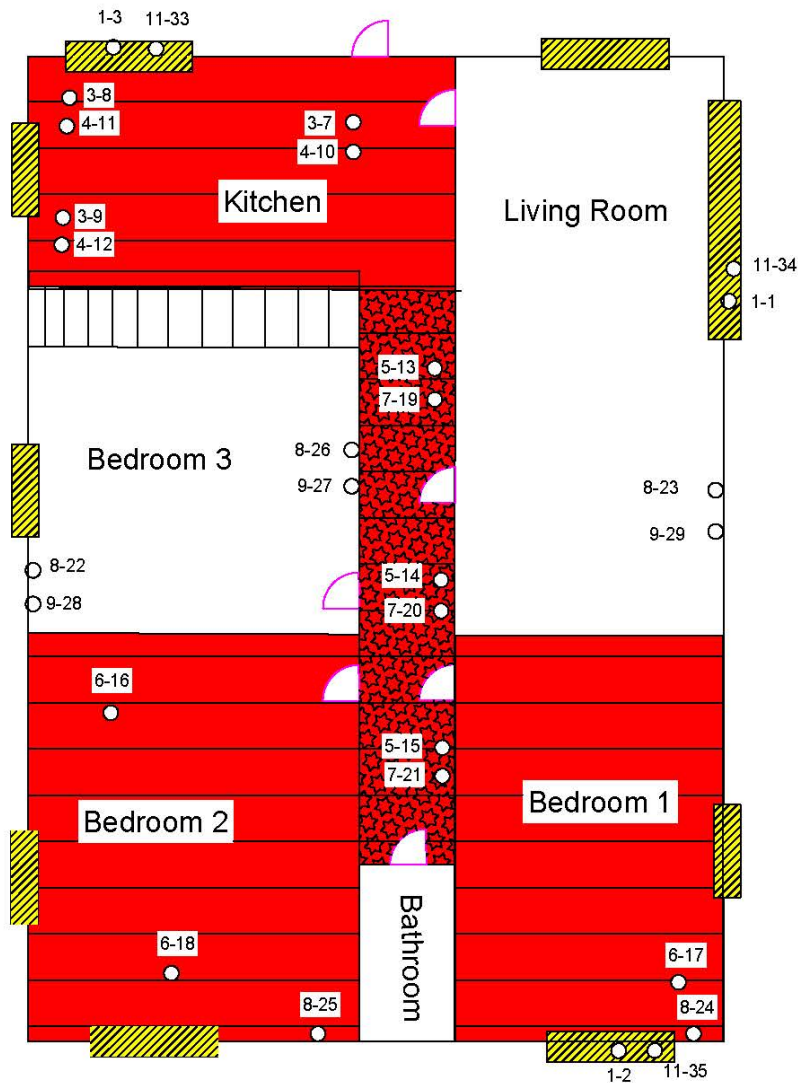
**ACM SURVEY RESULTS - Parcel No. 8810045**  
**Single-family Residence**  
**2101 S. Main Street**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	Window glazing	Basement windows	NF	Fair	2%	3	67 LF
02	Wire covering	Basement	NF	Good	ND	3	75 LF
03	12" x 12" tan & white self-stick floor tile	Kitchen	NF	Good	ND	3	170 SF
04	Yellow linoleum flooring	Kitchen	NF	Good	20%	3	170 SF
05	Yellow linoleum flooring	Hallway	NF	Good	20%	3	80 SF
06	Brown linoleum flooring	Bedrooms 1 & 2	NF	Good	20%	3	400 SF
07	12" x 12" gray floor tile/mastic	Hallway	NF	Good	Tile = 4% Mastic = ND	3	80 SF
08	Plaster	Throughout walls and ceilings (behind drywall)	NF	Good	<1%	5	3,000 SF
09	Drywall/ joint compound	Throughout walls and ceilings	NF	Good	ND	5	1,300 SF
10	Roofing material	Roofs	NF	Good	ND	5	2,000 SF
11	Red door and window caulk	Windows and doors	NF	Good	ND	5	120 LF
<b>TOTAL QUANTITY OF ACM</b>							<b>740 SF, 67 LF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$5,362.00</b>

<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
 \* Point Count Analysis





1-1 1-2 1-3	POS
Window Glazing	

3-7 3-8 3-9	ND
12" x 12" Tan and White Self Stick Floor Tile	

4-10 4-11 4-12	POS
Yellow Linoleum Flooring	

5-13 5-14 5-15	POS
Hallway Linoleum Flooring	




6-16 6-17 6-18	POS
Bedroom Linoleum Flooring	

7-19 7-20 7-21	POS
12" x 12" Gray Floor Tile/Mastic	

8-22 8-23 8-24 8-25 8-26	<1%
Plaster	

9-27 9-28 9-29	ND
Drywall/Joint Compound	

11-33 11-34 11-35	ND
Red Caulk	

Legend	
ND	Non Detect
POS	Positive
	Window Glazing
	Kitchen, Hallway and Bedroom Linoleum
	Gray 12" x 12 Floor Tile

**Anderson**  
environmental

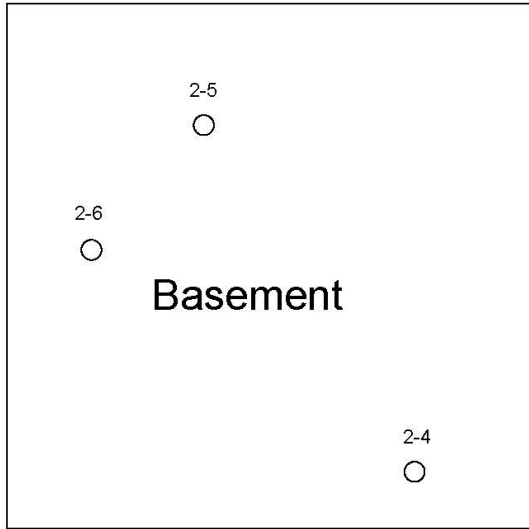
**First Floor Layout Map (not to scale)**



2101 S. Main Street  
Dupu, IL  
Parcel No: 8810045

Project # 928.10  
IDOT Work Order 673

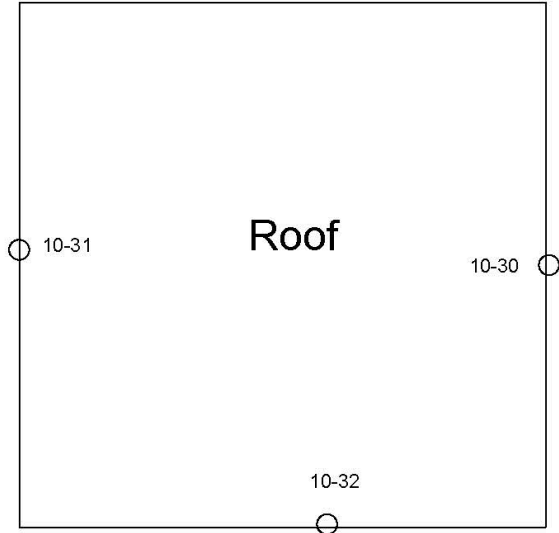
Intertek-PSI Project  
# 0047-4021



2-4 2-5 2-6	ND
Wire Covering	

10-30 10-31 10-32	ND
Roofing Material	

Legend	
ND	Non Detect



**Basement/Roof Layout Map (not to scale)** N↖

2101 S. Main Street  
 Dupo, IL  
 Parcel No: 8810045

Project # 928.10  
 IDOT Work Order 673

Intertek-PSI Project  
 # 0047-4021



**SITE INFORMATION:**

Route:	<u>FAI 255</u>	Address:	<u>2105 S. Main St.</u>
County:	<u>St. Claire</u>	Address:	
IDOT Job No:	<u>R-98-010-08</u>	City, State Zip	<u>Dupo, IL</u>
Section:	<u>05-00019-00-PV</u>	Property Type:	<u>Single Family Residence</u>
Parcel No:	<u>8810046</u>	Construction Date:	<u>Pre 1980</u>
IDOT Work Order No:	<u>678</u>	Building Size (sqft):	<u>788</u>

<b>ASBESTOS CONTAINING MATERIALS</b>	
Survey Date	<u>December 23, 2020</u>
By Whom:	<u>PSI, Inc.</u> Firm
	<u>Ihor Bozhahora</u> Inspector
	<u>100-18462</u> IDPH License No.
	<u>Raymond Porter</u>
	<u>100-09688</u>
<b>Results:</b>	
Number of Material Types Sampled:	<u>7</u>
Number of Samples Collected:	<u>21</u>
Number of Materials Testing 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>Yes</u>
<b>Laboratory Utilized:</b>	
Name:	<u>PSI, Inc.</u>
Address:	<u>850 Poplar Street</u> <u>Pittsburgh, PA 15220</u>
<b>Building Access Limitations:</b>	
<u>None</u>	



**ACM SURVEY RESULTS - Parcel No. 8810046**  
**Single-family Residence**  
**2105 S. Main Street**  
**Dupo, Illinois**

The following homogeneous building material types were sampled as part of this survey and their results are summarized in the table below:

MTL #	MATERIAL DESCRIPTION	LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM <sup>3</sup>	# SAMPLES	QUANTITY
01	2' x 4' white ceiling tile	Room by garage	F	Good	ND	3	200 SF
02	9" x 9" tan floor tile/ mastic	Bedrooms	NF	Good	Tile = 5% Mastic = ND	3	375 SF
03	1' x 1' white ceiling tile	Throughout	F	Good	ND	3	600 SF
04	12" x 12" self-stick floor tile	Kitchen	NF	Good	ND	3	275 SF
05	12" x 12" green self-stick floor tile	Restroom	NF	Good	ND	3	80 SF
06	Drywall	Throughout	NF	Good	ND	3	2,000 SF
07	Roofing shingles	Roofs	NF	Good	ND	3	2,200 SF
<b>TOTAL QUANTITY OF ACM</b>							<b>375 SF</b>
<b>ESTIMATED ABATEMENT COST</b>							<b>\$3,025.00</b>


<sup>1</sup> F = Friable; NF = Nonfriable      Friability is further defined in section 4.  
<sup>2</sup> Cond. = Condition Of Materials      Either good, fair or poor.  
<sup>3</sup> ND = None Detected  
\* Point Count Analysis

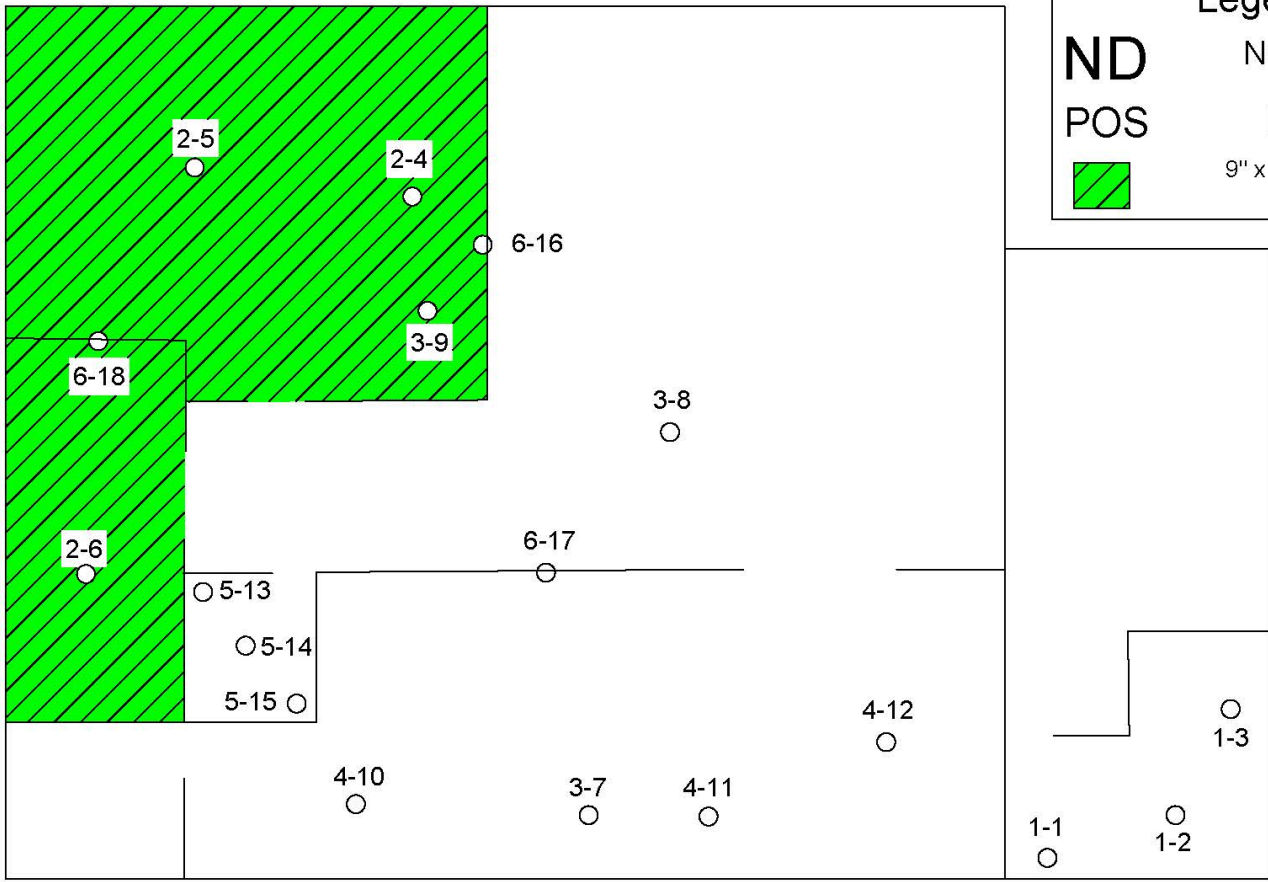
1-1 1-2 1-3	ND	2-4 2-5 2-6	POS
2' x 4' White Ceiling Tile		9" x 9" Tan Floor Tile and Mastic	

**Legend**

ND Non Detect

POS Positive

 9" x 9" Tan Floor Tile and Mastic



3-7 3-8 3-9	ND
1' x 1' White Ceiling Tile	

4-10 4-11 4-12	ND
12" x 12" Self Stick Floor Tile	

5-13 5-14 5-15	ND
12" x 12" Green Self Stick Floor Tile	

6-16 6-17 6-18	ND
Drywall	

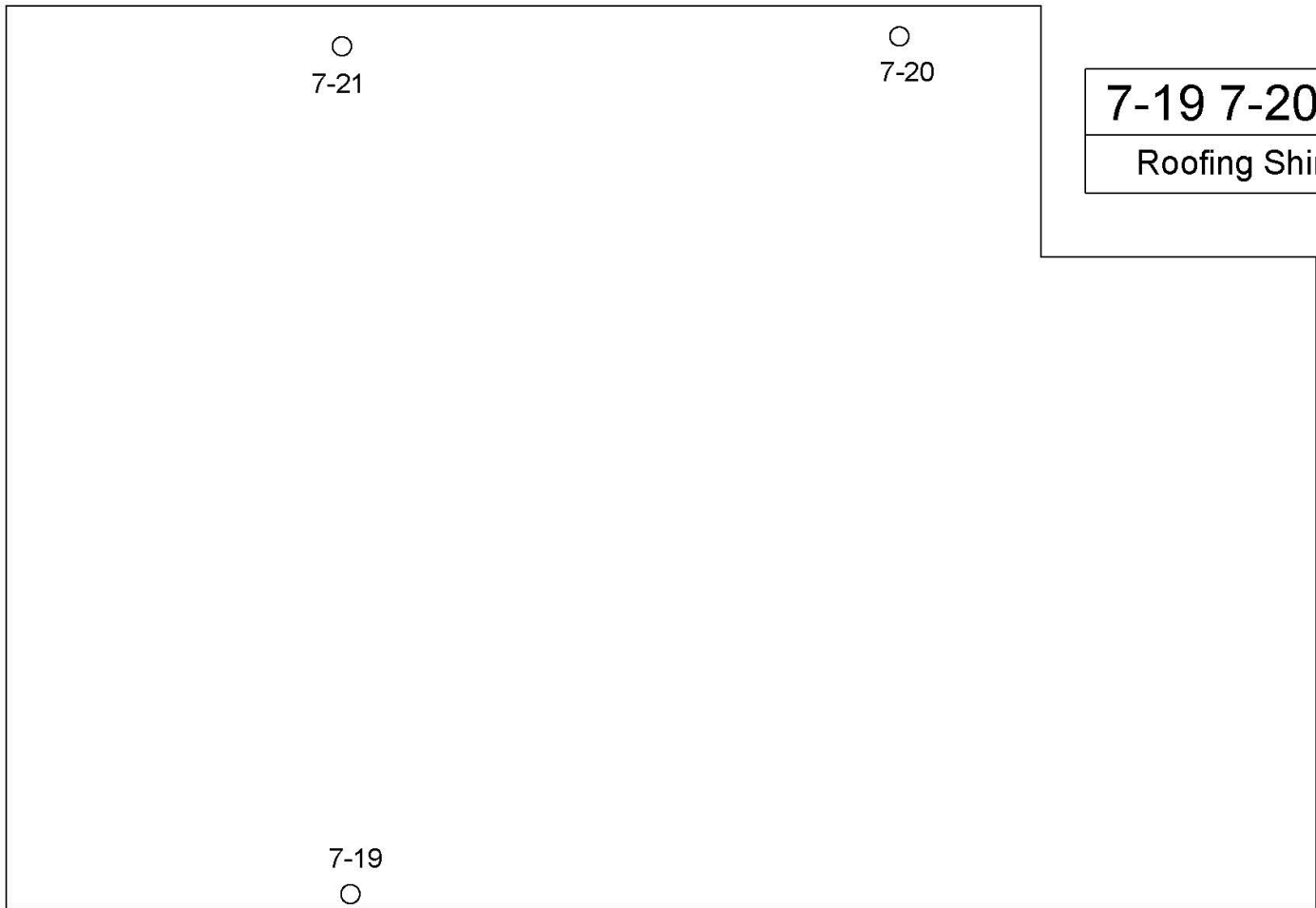


**1st Floor Layout Map (not to scale)** ↑N

2105 S. Main Street  
 Dupo, IL  
 Parcel No: 8810046

Project # 928.22  
 IDOT Work Order 678

Intertek-PSI Project  
 # 0047-4021



7-19	7-20	7-21	<b>ND</b>
Roofing Shingles			

**Legend**  
 ND Non Detect



**Roof Layout Map** (not to scale) ↑N

2105 S. Main Street  
 Dupo, IL  
 Parcel No: 8810046

Project # 928.22  
 IDOT Work Order 678

Intertek-PSI Project  
 # 0047-4021