P.O. Box 13216
Lansing, MI 48901
Phone: 888.449.4566
Fax: 888.448.8739
www.redcedarconsulting.net

June 15, 2021

Mr. Michael Andrick
Ingham County Land Bank
3024 Turner St.
Lansing, MI 48906

RE: Asbestos Containing Material and Hazardous Materials Inspection
725 S Hayford Ave., Lansing, MI 48912
Parcel ID: 33-01-01-23-105-052

Dear Mr. Andrick:

Red Cedar Consulting has completed an asbestos-containing material (ACM) inspection at 725 S Hayford Ave., Lansing, Michigan (Subject Property). This inspection was completed at the request of the Ingham County Land Bank to comply with the United States Environmental Protection Agency (USEPA) requirements for demolition and renovation set forth under the National Emissions Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61). This inspection was also completed to comply with the Occupational Safety and Health Administration (OSHA) Asbestos Standards for Construction (29 CFR 1926.1101) which limits employee exposure to asbestos.

SUBJECT PROPERTY

The Subject Property is comprised of a .2-acre residential parcel which contains an approximate 750 square foot residential building (the Building) constructed in 1942. The Building was constructed on a concrete basement with two aboveground floors. The exterior walls of the Building were finished with wood lap while the roof was sealed with asphalt shingles. The Building can be further divided into a living room, dining room, kitchen, bath, rear entry and two bedrooms on the first floor while the second floor contains one bedroom.

VISUAL INSPECTION AND SAMPLING

Asbestos Containing Materials Inspection

Aaron Paquet of Red Cedar Consulting (Red Cedar), accredited State Of Michigan/EPA Asbestos Building Inspector (Accreditation Number A30955) who completed training per the Michigan Asbestos Workers Accreditation Act 440, completed an inspection of the Subject Property on May 7, 2021 for suspected asbestos containing building materials.

This inspection, and subsequent sample collection was completed in accordance with the USEPA Asbestos Hazard Emergency Response Act (AHERA) (40 CFR Part 763) assessment and sampling protocol.

During the completion of the inspection, each area of the Subject Property was visually inspected for asbestos containing building materials (ACBM). Following the completion of the visual inspection, Red Cedar staff identified each suspect area of friable and non-friable ACBM and sorted them into one of three homogenous categories for sampling purposes. AHERA defines friable as a material that when dry, may be crumbled, pulverized, or reduced to powder by hand pressure. A homogenous area is defined by OSHA as an area of surfacing, thermal system insulation (TSI) or miscellaneous material that is uniform in color and texture. Surfacing materials are most commonly found in sprayed-on, troweled-on or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members. TSI refers to materials applied to pipes, fittings, boilers, ductwork, or other components to prevent heat loss or gain, or condensation. Any material that does not fall under the surfacing or TSI category, such as floor tile, drywall, and acoustical ceiling tile are placed into the miscellaneous materials category.

Following the completion of the visual inspection, Red Cedar staff identified the following materials as suspect ACBM:

- Asphalt Shingle
- Flashing
- Concrete
- Vapor Barrier
- Linoleum
- 2’x4’ Ceiling Tile
- Drywall & Compound
- Fiberboard
- Glazing
- Window Putty

Red Cedar staff collected thirty-two samples of suspect ACBM separated into eight distinct homogenous groups for laboratory analysis. Samples were collected and submitted to APEX Research Inc. Laboratories (APEX) (Accreditation Number 102118-0) for laboratory analysis. Analysis was completed utilizing polarized light microscopy (PLM) which is the Environmental Protection Agency (EPA) approved method for analysis of bulk materials for asbestos. PLM analysis completed pursuant to method (EPA 600/M4-82-020) identifies asbestos fiber bundles by the visual properties displayed when the sample is treated with various dispersion staining liquids. The laboratory report completed following the sample analysis indicates if asbestos is present, and at what percentage along with a description and percentage of other fibrous and non-fibrous materials and sample color. Chain-of-custody documentation was followed from sample collection through shipping and receiving of the samples at the designated laboratory. The documentation assures that samples will meet the quality assurance/quality control measures defined by AHERA. The laboratory analytical report prepared by APEX for the thirty-two samples is included as Attachment A.

Hazardous Materials Inspection

On May 7, 2021, the Subject Property was also inspected for the presence of hazardous materials which include but are not limited to polychlorinated biphenyls (PCBs) and potential mercury containing equipment and any items or containers that may contain or be classified as a hazardous or regulated material. Each material, if identified, was documented along with the approximate location. Any materials identified as hazardous are included in Table 1.

INSPECTION RESULTS AND RECOMMENDATIONS

During the completion of the asbestos inspection, thirty two samples of suspect ACM were collected and are documented in Table 2 along with the Red Cedar sample number, description, friability, material type, ACM classification, sample location, material quantity and laboratory analytical results. A Site Diagram was prepared which provides the general building layout and sample locations and is included as Attachment B. Photos of each different type of ACM identified during this inspection are included in Attachment C and copies of the Asbestos Inspectors certifications are included as Attachment D.

ACM, as defined by the USEPA NESHAP is "any material containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763 Section 1, Polarized Light Microscopy".

Friable ACM is defined by NESHAP as any material containing more than 1 percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Friable ACM is a concern due the ease of unintentionally disturbing the ACM which may result in "visible emissions" which is known as a Fiber Release Episode.

Non-friable asbestos-containing material is defined as "material containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM's are separated into Category I and Category II ACM. Category I ACM is any asbestos containing packing's, gaskets, resilient floor coverings (vinyl floor tile and linoleum are examples of these) and asphalt roofing products. Category II ACM is stated by NESHAP as any material excluding Category I non-friable ACM such as drywall, plaster or fiberboard insulation.

Presumed Asbestos Containing Material

Presumed Asbestos Containing Materials (PACM) are suspect surfacing, TSI and miscellaneous materials found in buildings constructed prior to 1980 which are classified as and due to the age of the structure, are assumed to be ACM and do not require sample collection and analysis. OSHA dictates that PACM may be "rebutted" following a complete inspection pursuant to AHERA protocol.

The HVAC Duct Wrap located in the Building was classified as PACM due to the age of the structure and samples were not collected.

Table 3 lists the location, material description, friability, condition, material type (surfacing, thermal or miscellaneous) and approximate quantity of all PACM documented at the Subject Property.

Table 4 provides a summary all ACM documented at the Subject Property which includes the material location, description, and approximate quantity.

Friable ACM's

Duct Wrap identified in the building in conjunction with the forced air heating system is classified as friable ACM. The visual assessment to quantify the extent of this material identified HVAC Duct Wrap at the following locations within the basement, first and second floors:

- Basement (misc. HVAC wrap on Framing, 2 sq. ft., at two locations)

Category I ACM

Two types of resilient floor covering (Layered Flower Vinyl and Red Brick Linoleum) located within the Building were found to contain up to 25% Chrysotile asbestos. The assessment to quantify the extent of this material identified approximately 282 sq. ft. of this material within the Building.

Roof Flashing samples collected during the completion of the inspection were found to contain up to 10% Chrysotile asbestos. The assessment to quantify the extent of this material identified 8 sq. ft. of Flashing materials on the Building.

Category II ACM

No Category II non-friable ACM was identified during the completion of this inspection.

RECOMMENDATIONS

Asbestos Containing Materials

HVAC material identified in the Building system and listed below is classified as friable ACM and should be removed prior to any renovation/demolition activities.

- Basement (misc. HVAC wrap on Framing, 2 sq. ft., at two locations)

The Category I flashing materials and resilient floor coverings (Layered Flower Vinyl and Red Brick Linoleum) are non-friable ACM's that may be left in place as long as the demolition/renovation activities are completed following the OSHA Asbestos Standards for Construction (29 CFR 1926.1101) which limits employee exposure to asbestos.

Please note: The location of samples obtained during this inspection were in a random fashion and areas that were not identified during this inspection may be damaged or have become damaged since the inspection was completed. If Category I or Category II friable materials are discovered prior to or during the demolition/renovation process, these materials must be abated prior to commencement of any demolition/renovation activities at the Subject Property.

Hazardous Materials

Hazardous Materials identified at the Subject Property and documented in Table 1 which require proper removal and disposal consist of the following items:

- Smoke Detector (3)

- 4’ Fluorescent Light (Fixture and Ballast Only) (1)
- 4’ Fluorescent Bulb (4)
- Refrigerator (1)

REGULATORY REQUIREMENTS

A Notification of intent to Renovate/Demolish form must be filed with the Michigan Department of Environmental Quality- Air Quality Division at least 10 working days prior to any renovation or demolition activities at a site.

The Notification of Intent to Renovate/Demolish form must also be completed and submitted to the MIOSHA-Asbestos Program whenever demolition, encapsulation and/or renovation activities at a site involving greater than ten lineal feet and/or fifteen square feet of ACM will be completed.

Regulated asbestos containing materials per NESHAP (40 CFR Part 61) which falls into any of the following categories are ACM’s that must be removed prior to any renovation/demolition activities at the Subject Property.

- Friable asbestos material.
- Category I non-friable ACM that has become friable.
- Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading.
- Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of renovation or demolition operations.

Asbestos abatement should only be performed by a certified asbestos abatement contractor licensed to complete abatement work. The contractor must also follow the standards and requirements set forth per the OSHA Asbestos Standards for Construction (29 CFR 1926.1101) and the USEPA NESHAP (40 CFR Part 61).

Additional information regarding the OSHA Asbestos Standards for Construction (29 CFR 1926.1101) and the USEPA NESHAP (40 CFR Part 61) can be obtained by contacting the associated agency below.

NESHAP Asbestos Program
Department of Environmental Quality
Phone: 517-284-6777

MIOSHA-CSHD-Asbestos Program
State of Michigan
Phone: 517-284-7680
Email: asbestos@michigan.gov

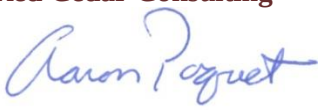
DISCLAIMER

Red Cedar Consulting performed destructive testing methods in an attempt to access and inspect all areas of the Building. Unfortunately, due to the age of construction along with multiple additions/renovations that may have been completed on the Building, additional inspections may be required if suspect ACM material not documented within this report is encountered during renovation/demolition activities.

This report was prepared at the request and for exclusive use by the Ingham County Land Bank and may not be reproduced or sold without written permission from Red Cedar Consulting.

We appreciate the opportunity to provide the requested services. Please contact us at (888) 449-4566 with any questions or concerns.

Sincerely,
Red Cedar Consulting



Aaron Paquet
Michigan/EPA Certified Asbestos Building Inspector
(A30955, Exp. 9-17-2021)

Attachment A

APEX Research Laboratory Analytical Results

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 01 Cust. #: SH-HM-01A Material: Asphalt Shingle Roofing Location: Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 94203 - 02 Cust. #: SH-HM-01B Material: Asphalt Shingle Roofing Location: Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 94203 - 03 Cust. #: SH-HM-02A Material: Flashing Location: Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **YES** Chrysotile - 10%	Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 04 Cust. #: SH-HM-02B Material: Flashing Location: Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 94203 - 05 Cust. #: SH-HM-03A Material: Sidewalk/Driveway Concrete Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 06 Cust. #: SH-HM-03B Material: Sidewalk/Driveway Concrete Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 07 Cust. #: SH-HM-04A Material: Vapor Barrier Location: Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 94203 - 08 Cust. #: SH-HM-04B Material: Vapor Barrier Location: Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 94203 - 09 Cust. #: SH-HM-05A Material: Layered Flower Vinyl/Linoleum 1 Location: Appearance: beige,fibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 25% Fiberglass - 2% Wollastonite - 5% Other - 68%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 09a Cust. #: SH-HM-05A Material: Linoleum 2 Location: Appearance: brown,fibrous,homogenous Layer: 2 of 4	Asbestos Present: **YES** Chrysotile - 25%	Other - 75%
Lab ID #: 94203 - 09b Cust. #: SH-HM-05A Material: Floor Tile Location: Appearance: white,fibrous,homogenous Layer: 3 of 4	Asbestos Present: **YES** Chrysotile - 1.50% POINT COUNT RESULT	Other - 98.50%
Lab ID #: 94203 - 09c Cust. #: SH-HM-05A Material: Mastic & Backing Location: Appearance: black,fibrous,nonhomogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 10 Cust. #: SH-HM-05B Material: Layered Flower Vinyl/Linoleum 1 Location: Appearance: beige,fibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Wollastonite - 5% Other - 73%
Lab ID #: 94203 - 10a Cust. #: SH-HM-05B Material: Linoleum 2 Location: Appearance: Layer: 2 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 94203 - 10b Cust. #: SH-HM-05B Material: Floor Tile Location: Appearance: Layer: 3 of 4	Asbestos Present: NOT ANALYZED	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 10b Cust. #: SH-HM-05B Material: Mastic & Backing Location: Appearance: black,fibrous,nonhomogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 94203 - 11 Cust. #: SH-HM-06A Material: Tan Linoleum/Floor Tile Location: Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 94203 - 11a Cust. #: SH-HM-06A Material: Backing Location: Appearance: black,fibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 12 Cust. #: SH-HM-06B Material: Tan Linoleum/Floor Tile Backing Location: Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 94203 - 13 Cust. #: SH-HM-07A Material: 2x4 White CT w/Pebbles & Gouges Location: Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 30% Mineral Wool - 5% Fiberglass - 40% Other - 25%
Lab ID #: 94203 - 14 Cust. #: SH-HM-07B Material: 2x4 White CT w/Pebbles & Gouges Location: Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 30% Mineral Wool - 5% Fiberglass - 40% Other - 25%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 15 Cust. #: SH-HM-08A Material: Red Brick Linoleum Location: Appearance: red,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **YES** Chrysotile - 20%	Cellulose - 5% Other - 75%
Lab ID #: 94203 - 16 Cust. #: SH-HM-08B Material: Red Brick Linoleum Location: Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 94203 - 17 Cust. #: SH-HM-09A Material: Drywall Location: Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 17a Cust. #: SH-HM-09A Material: Joint Compound Location: Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 18 Cust. #: SH-HM-09B Material: Drywall Location: Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 94203 - 18a Cust. #: SH-HM-09B Material: Joint Compound Location: Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 19 Cust. #: SH-HM-10A Material: Fiberboard Location: Under Paneling Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 95% Other - 5%
Lab ID #: 94203 - 20 Cust. #: SH-HM-10B Material: Fiberboard Location: Under Paneling Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 95% Other - 5%
Lab ID #: 94203 - 20a Cust. #: SH-HM-10B Material: Glue Location: Under Paneling Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 21 Cust. #: SH-HM-11A Material: Ceiling Fiberboard Location: Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID #: 94203 - 22 Cust. #: SH-HM-11B Material: Ceiling Fiberboard Location: Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID #: 94203 - 23 Cust. #: SH-HM-12A Material: Front Porch Window Glazing Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 24 Cust. #: SH-HM-12B Material: Front Porch Window Glazing Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 25 Cust. #: SH-HM-13A Material: House Window Glazing Location: Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 26 Cust. #: SH-HM-13B Material: House Window Glazing Location: Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 27 Cust. #: SH-HM-14A Material: Window Putty Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 28 Cust. #: SH-HM-14B Material: Window Putty Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 29 Cust. #: SH-HM-15A Material: Concrete Location: Basement Floor Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 725 S. Hayford Ave.

Report To:
Mr. Aaron Paquet
Red Cedar Consulting
P.O. Box 13216
Lansing, MI 48901

ARI Report # 21-94203C
Date Collected: 05/07/21
Date Received: 05/10/21
Date Analyzed: 05/13/21
Date Reported: 05/17/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 94203 - 30 Cust. #: SH-HM-15B Material: Concrete Location: Basement Floor Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 31 Cust. #: SH-HM-16A Material: Rear Addition Concrete Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 94203 - 32 Cust. #: SH-HM-16B Material: Rear Addition Concrete Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Apex # **94203**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
E-mail: apexresearch@chartermi.net Fax: 734-449-9991

Lab Use Only
Log-In ____
Report ____

Client Name: Red Cedar Consulting
Address: PO Box 13216
City, St., Zip: Lansing, MI 48901
Phone: (888)449-4566 Fax : (888) 448-8739

Date of Survey : 5-7-21
Project : 725 S. Hayford Ave
Project # :
Contact Person: Aaron Paquet
labdata@redcedarconsulting.net

Turn Around Times: (Circle One)

Rush 24 hour
48 hour 72 hour
Other : 5 day (TTP) All Samples

PLM EPA 600, PC all samples with a detection of <5% ACM.

Asbestos: Bulk x Wipe ____ Point Count ____ PCM ____
Lead: Bulk ____ Wipe ____ Air ____ Paint ____ Soil ____
Mold: Bulk ____ Tape ____ BioSIS ____ Other ____ Viable ____
TEM: AHERA 7400 ____ Bulk/NOB ____ EPA Level II ____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
	SH-HR-01A	Asphalt Shingle Roofing			
	01B	" " "			
	02A	Flashing			
	02B	"			
	03A	Sidewalk/Driveway Concrete			
	03B	" " "			
	04A	Vapor Barrier			
	04B	" "			
	05A	Layered Flower Vinyl			
	05B	" " "			
	06A	Tan Linoleum			

RECEIVED
MAY 10 2021
APEX RESEARCH

Relinquished by: [signature] Received by: UPS
Date : 5-7-21 Date : 5-7-21

Relinquished by: [signature] 13:00 Received by: ____
Date : ____ Date : ____

Rev: 12/03

APEX Research, Inc.

Apex # 94203 Page 2
11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
E-mail: apexresearch@chartermi.net Fax: 734-449-9991

Client Name: Red Cedar Consulting
Address: PO Box 13216
City, St., Zip: Lansing, MI 48901
Phone: (888)449-4566 Fax : (888) 448-8739

Date of Survey : 5-7-21
Project : 725 Litchfield Ave
Project # :
Contact Person: Aaron Paquet
labdata@redcedarconsulting.net

Lab Use Only
Log-In
Report

Turn Around Times: (Circle One)

Rush 24 hour
48 hour 72 hour
Other : 5 day (TTP) All Samples

PLM EPA 600, PC all samples with a detection of <5% ACM.

Asbestos: Bulk x Wipe Point Count PCM
Lead: Bulk Wipe Air Paint Soil
Mold: Bulk Tape BioSIS Other Viable
TEM: AHERA 7400 Bulk/NOB EPA Level II

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
	SH-HM-06B	Tan Linoleum			
	07A	2x4 White CT. w/Fiberglass gauges			
	07B	" " " " " "			
	08A	Red Brick Linoleum			
	08B	" " "			
	09A	Drywall			
	09B	"			
	10A	Fiberboard under Paneling			
	10B	" " "			
	11A	Ceiling Fiberboard			
	11B	" "			

Relinquished by: Received by: UPS
Date : 5-7-21 Date : 5-7-21

RECEIVED
MAY 10
APEX RESEARCH

Relinquished by: Received by:
Date : By 13:00 Date :

Rev: 12/03

Apex # **94203** Page **3**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189 Phone: 734-449-9990
E-mail: apexresearch@chartermi.net Fax: 734-449-9991

Lab Use Only
Log-In ____
Report ____

Client Name: Red Cedar Consulting
Address: PO Box 13216
City, St., Zip: Lansing, MI 48901
Phone: (888)449-4566 Fax : (888) 448-8739

Date of Survey : 5-7-21
Project : 725 S. Hayford Ave
Project # :
Contact Person: Aaron Paquet
labdata@redcedarconsulting.net

Turn Around Times: (Circle One)

PLM EPA 600, PC all samples with a detection of <5% ACM.

Rush 24 hour
48 hour 72 hour
Other : 5 day (TTP) All Samples

Asbestos: Bulk x Wipe ____ Point Count ____ PCM ____
Lead: Bulk ____ Wipe ____ Air ____ Paint ____ Soil ____
Mold: Bulk ____ Tape ____ BioSIS ____ Other ____ Viable ____
TEM: AHERA 7400 ____ Bulk/NOB ____ EPA Level II ____

Lab ID #	Client ID #	Material/Location	Volume	Area	Results
	SH-HM-12A	Front Porch Window Glazing			
	12B	" " " "			
	13A	House Window Glazing			
	13B	" " "			
	14A	Window Putty			
	14B	" "			
	15A	Basement Floor Concrete			
	15B	" " "			
	16A	Rear Addition Concrete			
	16B	" " "			

RECEIVED
MAY 10 2021
APEX RESEARCH

Relinquished by: _____ Received by: UPS
Date : 5-7-21 Date : 5-7-21

Relinquished by: Community 15:00
Date : _____

Received by: _____
Date : _____

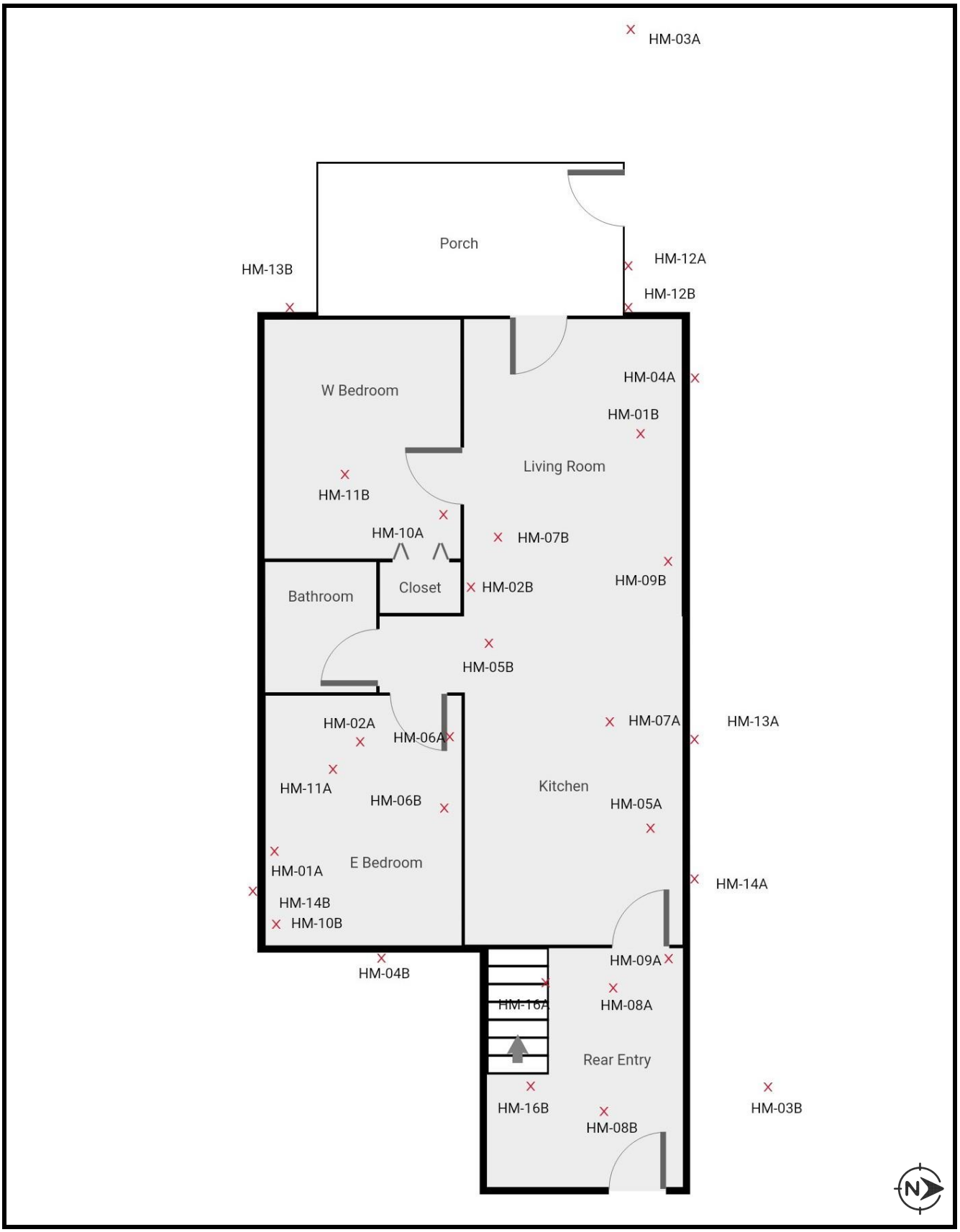
Rev: 12/03

Attachment B

Site Diagrams

Red Cedar Consulting

Figure 1a Site Diagram

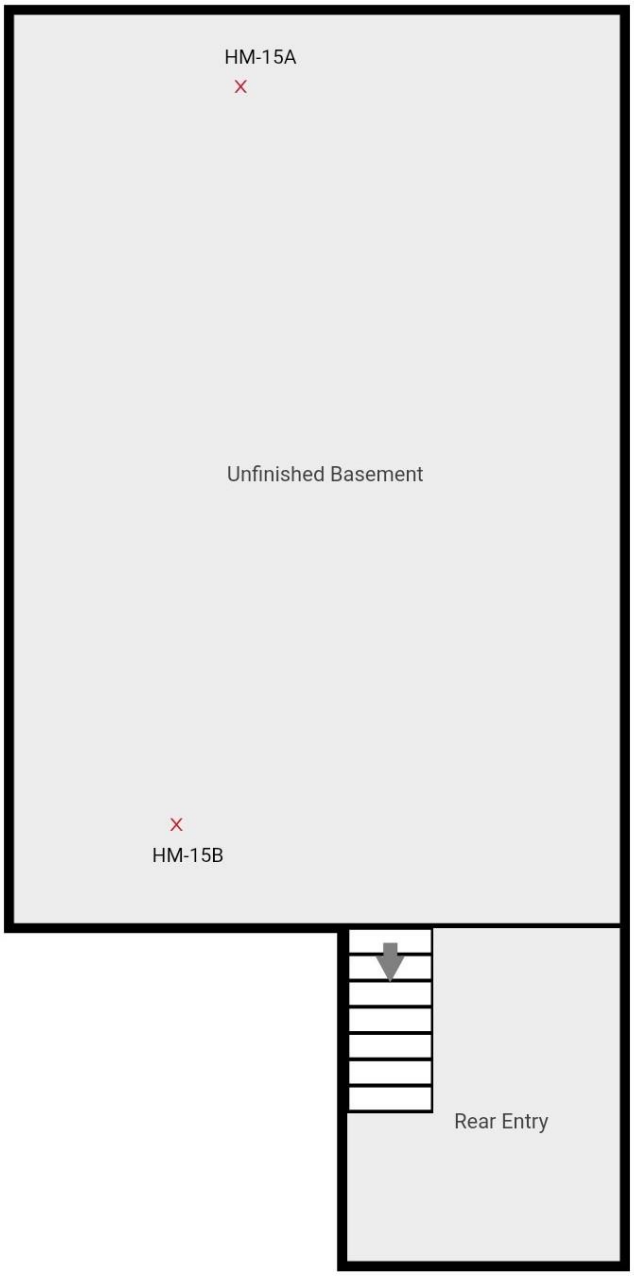


Note: Figure created by Red Cedar Consulting

-Not To Scale-

Asbestos Sample Locations
725 S Hayford Ave.
Lansing, MI

Figure 1b Site Diagram



Note: Figure created by Red Cedar Consulting

-Not To Scale-

Asbestos Sample Locations
725 S Hayford Ave.
Lansing, MI

Attachment C

ACM Photos

PHOTO: 1 **BY: A. Paquet**
SUBJECT: View of front of the Property

PHOTO: 2 **BY: A. Paquet**
SUBJECT: Chimney and Vent Flashing

PHOTO: 3 **BY: A. Paquet**
SUBJECT: Layered Flowered Vinyl Layer 2/4

PHOTO: 4 **BY: A. Paquet**
SUBJECT: Layered Flowered Vinyl Layer 3/4 (Tile)

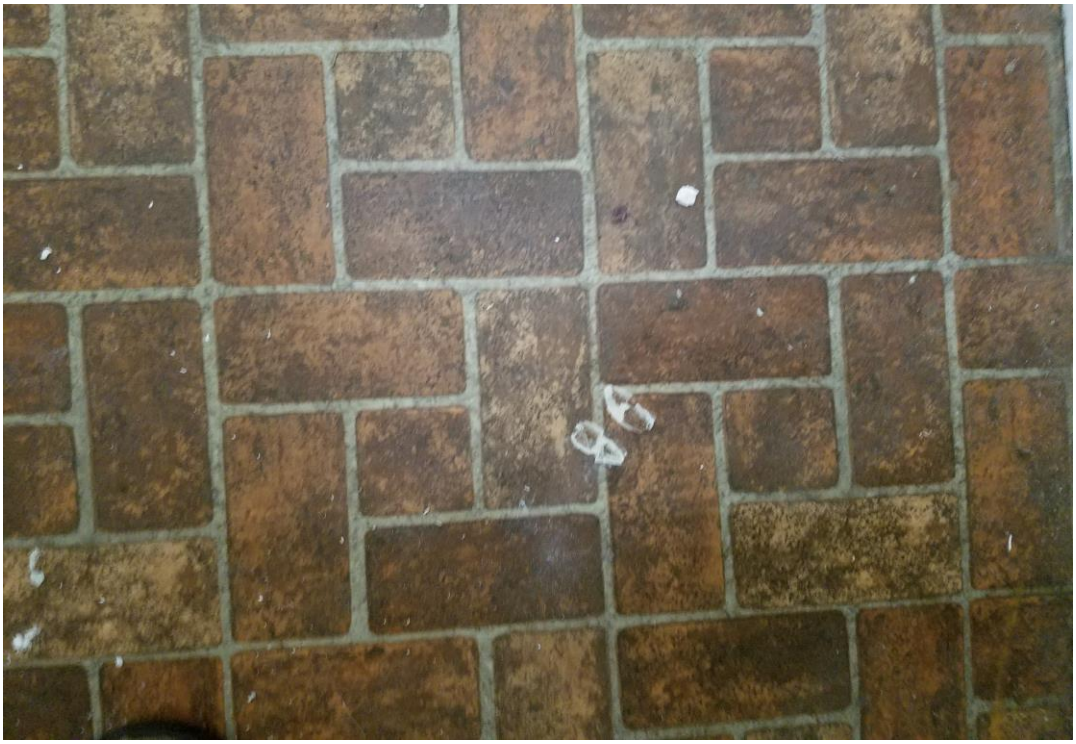
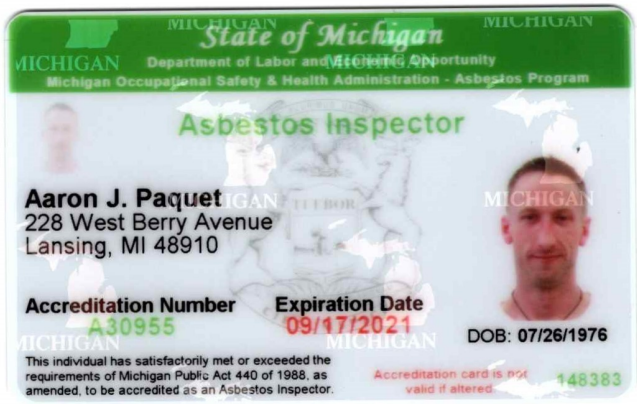


PHOTO: 5 **BY: A. Paquet**
SUBJECT: Red Brick Linoleum

PHOTO: 6 **BY: A. Paquet**
SUBJECT: HVAC Paper on Basement Framing

Attachment D

Inspector Certifications/ID's



State of Michigan
Department of Labor and Economic Opportunity
Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

Aaron J. Paquet
228 West Berry Avenue
Lansing, MI 48910

Accreditation Number A30955
Expiration Date 09/17/2021

DOB: 07/26/1976

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered.

148383

State of Michigan
Department of Labor and Economic Opportunity
Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Management Planner

Aaron J. Paquet
228 West Berry Avenue
Lansing, MI 48910

Accreditation Number A30955
Expiration Date 09/17/2021

DOB: 07/26/1976

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered.

148384

State of Michigan
Department of Labor and Economic Opportunity
Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

Aaron J. Paquet
228 West Berry Avenue
Lansing, MI 48910

Accreditation Number A30955
Expiration Date 01/25/2022

DOB: 07/26/1976

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered.

149761

Tables

Table 1 - Summary of Hazardous Materials, 725 S Hayford Ave., Lansing, Michigan

Hazardous Materials Description and Location		
Location	**Material Description**	**Quantity**
Living Room	Smoke Detector	1
E Bedroom	Smoke Detector	1
W Bedroom	Smoke Detector	1
Kitchen	4’ Fluorescent Light (Fixture and Ballast Only)	1
Kitchen	4’ Fluorescent Bulb	4
Kitchen	Refrigerator	1

Table 2 - Summary of Sample Descriptions and Asbestos Laboratory Results, 725 S Hayford Ave., Lansing, Michigan

Sample Number	Sample Description	Friable	Material Type	Material Classification	% Asbestos Laboratory Result	Sample Location	Approx. Material Quantity
SH-HM-01A	Asphalt Shingle Roofing	No	M	Category I	ND	Exterior	1,100 sq. ft.
SH-HM-01B	Asphalt Shingle Roofing	No	M	Category I	ND	Exterior	NA
SH-HM-02A	Flashing	No	M	Category I	10% CH	Exterior	8 sq. ft.
SH-HM-02B	Flashing	No	M	Category I	NA	Exterior	NA
SH-HM-03A	Sidewalk/Driveway Concrete	No	M	Category II	ND	Exterior	640 sq. ft.
SH-HM-03B	Sidewalk/Driveway Concrete	No	M	Category II	ND	Exterior	NA
SH-HM-04A	Vapor Barrier	Yes	M	Category II	ND	Exterior	1,250 sq. ft.
SH-HM-04B	Vapor Barrier	Yes	M	Category II	ND	Exterior	NA
SH-HM-05A	Layered Flower Vinyl	No	M	Category I	ND/25% CH/1.5% CH/ND	Kitchen	182 sq. ft.
SH-HM-05B	Layered Flower Vinyl	No	M	Category I	ND/NA/NA/ND	Kitchen	NA
SH-HM-06A	Tan Linoleum/Floor Tile	No	M	Category I	ND/ND	SE Bedroom	120 sq. ft.
SH-HM-06B	Tan Linoleum/Floor Tile	No	M	Category I	ND	SE Bedroom	NA
SH-HM-07A	2x4 White CT with/pinholes & gouges	Yes	M	Category II	ND	Living	280 sq. ft.
SH-HM-07B	2x4 White CT with/pinholes & gouges	Yes	M	Category II	ND	Kitchen	NA
SH-HM-08A	Red Brick Linoleum	No	M	Category I	20% CH	Rear Entry	100 sq. ft.
SH-HM-08B	Red Brick Linoleum	No	M	Category I	NA	Rear Entry	NA
SH-HM-09A	Drywall	No	M	Category II	ND/ND	Rear Entry Ceiling	850 sq. ft.
SH-HM-09B	Drywall	No	M	Category II	ND/ND	Living Wall	NA
SH-HM-10A	Fiberboard under Paneling	Yes	M	Category II	ND	W Bedroom Wall	1,350 sq. ft.
SH-HM-10B	Fiberboard under Paneling	Yes	M	Category II	ND/ND	E Bedroom Wall	NA
SH-HM-11A	Ceiling Fiberboard	Yes	M	Category II	ND	W Bedroom	350 sq. ft.
SH-HM-11B	Ceiling Fiberboard	Yes	M	Category II	ND	E Bedroom	NA
SH-HM-12A	Front Porch Window Glazing	Yes	M	Category II	ND	Front Porch	1 Window
SH-HM-12B	Front Porch Window Glazing	Yes	M	Category II	ND	Front Porch	NA
SH-HM-13A	House Window Glazing	Yes	M	Category II	ND	Kitchen	14 windows
SH-HM-13B	House Window Glazing	Yes	M	Category II	ND	SW Bedroom	NA

Table 2 - Summary of Sample Descriptions and Asbestos Laboratory Results, 725 S Hayford Ave., Lansing, Michigan

Sample Number	Sample Description	Friable	Material Type	Material Classification	% Asbestos Laboratory Result	Sample Location	Approx. Material Quantity
SH-HM-14A	Window Putty	No	M	Category II	ND	Kitchen	14 Windows
SH-HM-14B	Window Putty	No	M	Category II	ND	SE Bedroom	NA
SH-HM-15A	Basement Floor Concrete	No	M	Category II	ND	Basement	750 sq. ft.
SH-HM-15B	Basement Floor Concrete	No	M	Category II	ND	Basement	NA
SH-HM-16A	Rear Addition Concrete	No	M	Category II	ND	Exterior	100 sq. ft.
SH-HM-16B	Rear Addition Concrete	No	M	Category II	ND	Exterior	NA

Notes:

Material Types

M = Miscellaneous building material
TSI = Thermal System Insulation
S = Surfacing Material
PC = Point Count Analysis
CH = Chrysotile Asbestos

Abbreviations

NQ = Not quantified
NA = Not Analyzed
ND = Not detected. Laboratory result is less than 1 % asbestos
lin. ft. = linear feet
sq. ft. = square feet

Asbestos Containing Material (ACM) is defined as any material containing more than 1 percent asbestos as determined utilizing Polarized Light Microscopy.

Table 3 - Summary of Presumed Asbestos Containing Materials, 725 S Hayford Ave., Lansing, Michigan

Asbestos Containing Material Description and Location					
Location	**Material Description**	**Friable**	**Condition**	**Material Type**	**Approx. Quantity**
Basement (misc. HVAC wrap on Framing, 2 sq. ft., at two locations)	HVAC Duct Wrap	Yes	Fair	TSI	2 sq. ft.

Notes:

Material Types

M = Miscellaneous building material
TSI = Thermal System Insulation
S = Surfacing Material

Abbreviations

lin. ft. = linear feet
sq. ft. = square feet

Table 4 - Summary of All Asbestos Containing Materials, 725 S Hayford Ave., Lansing, Michigan

Exterior - Asbestos Containing Materials			
Location	**Material Description**	**Friable**	**Approx. Quantity**
Building Roof	Flashing on Chimney and Vents	No	8 sq. ft.
	Total		**8 sq. ft.**
Interior - Asbestos Containing Materials			
Location	**Material Description**	**Friable**	**Approx. Quantity**
Kitchen, Hall, Bathroom	Layered (with subfloor) Flower Vinyl	No	182 sq. ft.
Rear Entry	Red Brick Linoleum	No	100 sq. ft.
	Total		**282 sq. ft.**
Interior - Asbestos Containing Materials			
Location	**Material Description**	**Friable**	**Approx. Quantity**
Basement (misc. HVAC wrap on Framing, 2 sq. ft., at two locations)	HVAC Duct Wrap	Yes	2 sq. ft.
	Total		**2 sq. ft.**

Notes:

Abbreviations

lin. ft. = linear feet
sq. ft. = square feet

Shaded/Bolded = Friable ACM and any Category I and Category II non-friable ACM that has a high probability of becoming crumbled, pulverized, or reduced to powder by the demolition or renovation activities that must be properly abated prior to commencement of any demolition/renovation activities.

Demolition/renovation activities completed with intact Category I non-friable ACM are regulated by OSHA and must be completed following the OSHA Asbestos Standards for Construction (29 CFR 1926.1101) which limits employee exposure to asbestos.

Please note that a Negative Pressure Enclosure must be utilized during abatement when Site Conditions Warrant. Examples of these conditions include the abatement of Plaster and Vermiculite insulation, HVAC Duct Wrap in Poor Condition, and Air-O-Cell/Mag Pipe Wrap. Conditions outside of these should be assessed on a case by case basis during the Asbestos Abatement Contractors site walk and Work Plan Preparation.