NESHAP RENOVATION / DEMOLITION INSPECTION OF ASBESTOS CONTAINING MATERIALS AND OTHER HAZARDOUS WASTE MATERIALS

FOR THE PROPERTY KNOWN AS:

1775 Ford
Lincoln Park, MI 48146

Prepared for:

City of Lincoln Park
1355 Southfield Rd
Lincoln Park, MI 48146
313-386-1817

Prepared By:

Connor Beausejour
Michigan Certification #: A-51686
Environmental Testing & Consulting, Inc.
38900 West Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
ETC Job #: 224364

08/09/2019
Date of Survey

08/15/2019
Date of Report

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1. **Introduction**

City of Lincoln Park contracted Environmental Testing & Consulting, Inc. (ETC) to perform a renovation/demolition inspection of the building located at 1775 Ford, Lincoln Park, MI 48146. This inspection was conducted on 08/09/2019.

The EPA, under the National Emission Standards for Hazardous Air Pollutants (NESHAPs) asbestos rule, requires that prior to the start of a renovation and/or demolition project, the building must be inspected for asbestos containing materials (ACM's). The purpose of this inspection was to determine the presence and quantity of friable or potentially friable ACM's. Depending on the ACM found and the condition that it is in, removal of the material may be necessary before demolition work can begin. Prior to the start of a demolition project, it is necessary that friable or potentially friable ACM's be removed.

ETC's certified inspector, Connor Beausejour, conducted the asbestos containing building material (ACBM) inspection and identified materials suspected of containing asbestos. Connor Beausejour's State of Michigan Asbestos Building Inspector's certification number is A-51686.

Wherever potential asbestos materials were found, data was collected and recorded regarding quantities and observed conditions of the suspected material. As required by the Occupational Safety and Health (OSHA) and the Environmental Protection Agency (EPA), three (3) samples of each type of material were taken in different locations to determine actual asbestos content.

Included along with this report are copies of the bulk sample results, a site map showing sample locations and a copy of the State of Michigan Notification of Intent to Renovate/Demolish. This information will be necessary for the asbestos abatement contractor selected to perform asbestos abatement activities on the property. ETC has included its information on the second page.

2. Information about Asbestos Inspections

a. Sampling Procedures

Representative bulk samples of suspected ACBMs were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

It is important to note that some companies are only taking one sample of select non-friable materials. While this procedure is allowed under the NESHAP regulation, the OSHA standard suggests a minimum of three samples of each homogeneous material. This is a better approach due the potential errors in the analytical method used.

To provide the most accurate information possible and be sure of our results, ETC chooses to take three samples of each sampled material.

Additionally, some inspection companies have taken to assuming that materials contain asbestos rather than paying for the time and expenses of sampling them. This is not in the client's best interest. If materials are being assumed to contain asbestos, the client must treat them as asbestos containing even if they are not. This can lead to significantly increased costs for the building owner.

In general, ETC only assumes materials to be asbestos when sampling them will ruin their integrity (i.e. fire doors) or when they are too dangerous to sample (i.e. live electrical lines).

b. PLM Analysis Methodology

Polarized Light Microscopy (PLM) samples were analyzed utilizing the Environmental Protection Agency's Test Methods: Methods for the determination of Asbestos in Bulk Building Materials (EPA 600/R-93/116, July 1993) and the McCrone Research Institute's The Asbestos Particle Atlas as method references. Additional treatment and tests may be required to accurately define composition (i.e. ashing, extraction, acetone treatment, and TEM).

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, cellulose, etc.) and non-fibrous constituents. Using a stereoscope, the microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample.

According to NESHAP requirements, any bulk sample that has an asbestos content above 0% but below 10% should be point counted for final determination of percentage***. Please note, the contract DID NOT include point counting as defined in NESHAP.*** Should City of Lincoln Park wish to have this additional analysis conducted, ETC can send any samples in this range for point counting. However, this will require additional charges for analysis. Therefore, for any samples in the range above 0% but below 10%, these results can only be considered estimates.

c. Interpretation of Inspection Results

A material is considered by OSHA, the EPA and the State of Michigan to be asbestos-containing if at least one sample collected from the homogenous material has asbestos fibers present in a concentration greater than one percent (>1 %).

A summary of the materials sampled, asbestos content, quantities and locations can be found on the Chart A in Section 4.0 – Summary and Conclusions.

d. Other Hazardous Materials

Additionally, information showing other hazardous materials (above the household quantity limitations) found at the site is included on Chart B in Section 4.0 – Summary and Conclusions. This lists non-asbestos materials that may be hazardous, and may require special handling and disposal requirements. Items that might be in this category include things like mercury switches, florescent lighting tubes, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

However, under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is residential household quantity exclusion. Therefore, these materials will only be listed in this chart if they are present in quantities larger than what would be expected in a normal household. For instance, if the home was a farm and had a 55 gallon drum of pesticide present, this would be listed in Chart B. On the other hand, if there were a few pesticide containers present as would be found in most homes, these materials would not be listed.

3. Regulatory Requirements

There are two main regulations that affect renovation/demolition of residential homes and asbestos materials. The MIOSHA Asbestos Construction Standard has requirements to protect the workers performing the renovation/demolition, while the EPA – NESHAP regulation has requirements that protect the general public and environment.

a. MIOSHA Construction Asbestos Regulations

The MIOSHA standard establishes a permissible exposure limit (PEL) average over an 8 hour day. This means that this is the maximum level of asbestos that workers and/or employees can be exposed to without respirator protection and protective clothing. Should air sampling during renovation or demolition activities be at or near the PEL, the employer will have to:

- Notify workers
- Provide worker training
- Post danger signs
- Establish periodic air monitoring regulated areas and decontamination facilities
- Provide respiratory protection and personnel protective clothing
- Conduct employee respiration monitoring
- Maintain/provide record keeping
- Perform medical surveillance (if employee will be exposed 30 days per year or more).

Until recently, only schools were federally mandated to conduct asbestos inspections of their buildings. However, with the passage of new MIOSHA regulations, all building owners, in this case City of Lincoln Park, are now required to notify all renovation/demolition workers of the presence, location and quantity of all ACBM's within the building.

In most cases, it is more practical to have an asbestos contractor remove the ACM from the building prior to renovation/demolition than have the renovation/demolition contractor comply with all these requirements.

b. NESHAP Requirements

Prior to beginning a renovation or demolition project, NESHAP (enforced in Michigan by the Department of Environmental Quality – MDEQ) requires a full inspection of the following materials to determine their asbestos content:

- Friable Materials
- Category 1 – Non-friable Materials (Packings, gaskets, resilient floor covering, and asphalt roofing products)
- Category II – Non-friable Materials (All other non-friable materials)

In general, MDEQ, prior to renovation or demolition activities, requires any identified asbestos materials be removed that would dislodge, disturb or otherwise affect these materials. There is an exception that if a licensed supervisor will state in writing that the material will not become friable during the renovation/demolition process, it may be left in the building. However, be very careful with this exemption. MDEQ has stated that they believe that the only materials that MIGHT qualify for this exemption would be roofing felt and asphalt roofing materials. In order to use even this small exemption, the following would be required from the demolition contractor:

- A signed document from a licensed asbestos abatement supervisor that the material will not become friable
- The supervisor will have to be on-site during all renovation or demolition to insure that the material stays intact.
- The waste generated from the activity must be taken to an asbestos dump and they must be informed that the waste is mixed asbestos waste.

It is obviously very expensive and difficult to try and leave ACM within an area/building during renovation or demolition activities. If the MDEQ reviews the site and finds the material crumbled or disturbed, both the contractor and building owner may be sited up to $27,500 per day. Therefore, ETC recommends that all ACM be removed. This is why ETC does not assume materials to be ACM.

c. Notification Requirements

When performing abatement work within the State of Michigan, notification requirements depend on the quantity of materials and the friability of the material being removed.

If removing friable material **greater than** 160 square feet and / or 260 linear feet, the contractor must provide a ten working day notification to Michigan Department of Environmental Quality (MDEQ) and a ten calendar day notification to Michigan Department of Licensing and Regulatory Affairs (LARA) – Asbestos Program. If only non-friable materials are being removed, MDEQ does not require a notification.

If removing **more than** 15 square feet but **less than** 160 square feet, or **greater than** 10 linear feet but **less than** 260 linear feet, the contractor only needs to notify LARA as stated above.

For removals of **less than** 15 square feet or **less than** 10 linear feet, no notification is required.

In conjunction with any notification to LARA, the contractor must pay a 1% fee for the project. This fee must reflect 1% of the total abatement contract amount.

d. Abatement Requirements

Any company hired to remove identified ACM must insure that all asbestos companies, supervisors, and workers are licensed by LARA. Additionally, these companies must insure that:

- The State of Michigan must be notified of the work in advance.
- An asbestos supervisor must be on-site at all times when work is occurring.
- All work must be completed within regulated work areas.
- All work must be completed utilizing asbestos work practices defined in the MIOSHA regulations.
- On-site personnel sampling be conducted during the removal activities.
- Prior to dismantling and leaving the site, the contractor must request and pass (below 0.05 f/cc) a final asbestos clearance performed by a neutral.
- Meet all other current regulations and standards.

In addition to these requirements, ETC strongly recommends that City of Lincoln Park insure that they receive the following documents from the contractor prior to making final payment:

- Written/signed documentation from the supervisor if any asbestos materials are to be left in place during renovation or demolition (Not recommended)
- Copy of the asbestos abatement notification
- Copy of the personnel monitoring during the work
- Copy of the final asbestos clearance report

By requiring these documents, City of Lincoln Park will substantially reduce its liability should something occur during the asbestos removal at this site.

4. Summary and Conclusions

ETC has endeavored to identify potential asbestos containing materials (ACM) that were accessible (without destructive testing) at the time of the inspection. However, other potential ACM may be buried or have been inaccessible at the time of the initial survey.

As has been evidenced on numerous other demolition and renovation projects, when tearing out or demolishing existing building surfaces, it is very common to encounter other

building materials that were not accessible during the initial testing for ACM or lead/cadmium painted surfaces. It is therefore incumbent on City of Lincoln Park or its selected construction renovation contractor to refer to the chart of sampled materials consistently during the renovation process. If materials are encountered during this process that are not clearly identifiable on the initial survey chart, ETC should be called to test and verify the asbestos/lead cadmium content of these items.

ETC cannot be held responsible for materials encountered after the initial survey is completed unless we are contacted and given the opportunity to test and verify the material content. The costs associated with this additional testing are not included within the scope of this project and City of Lincoln Park will incur additional charges for the additional sampling and analysis.

On the following charts, please find:

- Chart A - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. ***If additional materials are encountered that were not previously identified, the contractor is responsible for contacting ETC and having these materials tested. These additional sampling costs are not included in the scope of work or price for this survey.***

  Quantities that are listed are <u>estimates only</u>; in general, listed quantities represent <u>only</u> what was visible during testing. It is likely that where ACM has been identified throughout specific floors, similar materials and quantities exist on other like floors. It is the contractors'/client's responsibility to verify all amounts of asbestos identified during any bid process, or during future renovation and/or demolition activities. Materials that are identical in both relative location and physical description to already tested materials listed in this report should <u>always be assumed</u> to be ACM.

- Chart B – Is a list of other hazardous materials (above RCRA household quantity levels) that will require special handling and disposal by the contractor.

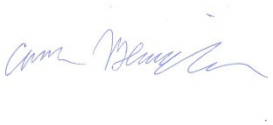
Chart A – Materials Sampled and Asbestos Content

Material #	Material Description	Asbestos	Quantity	Location (Refer to map in Appendix B)
1	Plaster over Drywall, White & Brown	No	2,500 SF	FS 3, 4, 5, 6, 7, 8 & 9
2	Texture Plaster, White & Bumpy	No	800 SF	FS 5, 6 & 8
3	Stack Cement, Gray	No	4 SF	FS 1
4	**Floor Tile, 9x9, Black & Beige, Checkered**	**Yes**	**800 SF**	**FS 1**
5	Mastic, Black	No	800 SF	FS 1
6	Floor Underlayment, Black	No	1,050 SF	Throughout 1st Floor
7	**Floor Tile, 12x12, Beige**	**Yes**	**250 SF**	**FS 3 & 4**
8	Mastic, Black	No	250 SF	FS 3 & 4
9	Linoleum, Beige	No	250 SF	FS 3 & 4
10	Floor Tile, 12x12, Yellow, Flower Print	No	250 SF	FS 3 & 4
11	Construction Adhesive, Yellow	No	150 SF	FS 3
12	House Wrap, Brown & Silver Backing	No	1,500 SF	Throughout 1st Floor Exterior Walls
13	**Transite, Gray & Beige**	**Yes**	**1,500 SF**	**Exterior**
14	House Wrap, Black	No	1,500 SF	Exterior
15	House Wrap Seam, Black	No	1,500 SF	Exterior
16	Exterior Caulk, White	No	120 LF	Exterior
17	Exterior Caulk, Brown	No	80 LF	Exterior
18	Shingle, Brown	No	1,300 SF	Exterior
19	Shingle, Black	No	1,300 SF	Exterior
20	Rolled Insulation, Pink Fiberglass	No	300 SF	FS 10
21	**Window Glaze, Brown**	**Yes**	**1 Unit**	**Exterior Garage**
22	Drywall, White Paneling	No	600 SF	FS 1 & 10
23	Shingle, Gray	No	500 SF	Exterior Garage
24	Vibration Dampener, Gray	No	10 SF	FS 1

Chart B – Other Hazardous Materials Located (Above the household quantity Limitations)			
Material #	**Material Description**	**Quantity**	**Location**
None			

5. Inspector's Information

The information contained in this report is a true and accurate representation of the conditions and activities at this property at the time of the investigation, based on the professional judgment of the person(s) who conducted and reported this survey. All inspection work was completed by a Michigan certified asbestos inspector as detailed below.



Connor Beausejour
State of Michigan Certification #: A-51686

APPENDIX A

POLARIZED LIGHT MICROSCOPY ASBESTOS ANALYSIS RESULT FORMS

Environmental Testing Laboratories, Inc.

38900 Huron River Drive, Suite 200
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604

To: Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174

ETL Job: 224364
Client Project: 224364
Report Date: 8/15/2019

Attention: Doreen Christian
Project Location: 1775 Ford, Lincoln Park, MI 48146
Vacant Residence

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078691	01A	Asbestos PLM	08/15/2019
1078692	01B	Asbestos PLM	08/15/2019
1078693	01C	Asbestos PLM	08/15/2019
1078694	01D	Asbestos PLM	08/15/2019
1078695	01E	Asbestos PLM	08/15/2019
1078696	02A	Asbestos PLM	08/15/2019
1078697	02B	Asbestos PLM	08/15/2019
1078698	02C	Asbestos PLM	08/15/2019
1078699	03A	Asbestos PLM	08/15/2019
1078700	03B	Asbestos PLM	08/15/2019
1078701	03C	Asbestos PLM	08/15/2019
1078702	04A	Asbestos PLM	08/15/2019
1078703	04B	Asbestos PLM	08/15/2019
1078704	04C	Asbestos PLM	08/15/2019
1078705	05A	Asbestos PLM	08/15/2019
1078706	05B	Asbestos PLM	08/15/2019
1078707	05C	Asbestos PLM	08/15/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078708	06A	Asbestos PLM	08/15/2019
1078709	06B	Asbestos PLM	08/15/2019
1078710	06C	Asbestos PLM	08/15/2019
1078711	07A	Asbestos PLM	08/15/2019
1078712	07B	Asbestos PLM	08/15/2019
1078713	07C	Asbestos PLM	08/15/2019
1078714	08A	Asbestos PLM	08/15/2019
1078715	08B	Asbestos PLM	08/15/2019
1078716	08C	Asbestos PLM	08/15/2019
1078717	09A	Asbestos PLM	08/15/2019
1078718	09B	Asbestos PLM	08/15/2019
1078719	09C	Asbestos PLM	08/15/2019
1078720	10A	Asbestos PLM	08/15/2019
1078721	10B	Asbestos PLM	08/15/2019
1078722	10C	Asbestos PLM	08/15/2019
1078723	11A	Asbestos PLM	08/15/2019
1078724	11B	Asbestos PLM	08/15/2019
1078725	11C	Asbestos PLM	08/15/2019
1078726	12A	Asbestos PLM	08/15/2019
1078727	12B	Asbestos PLM	08/15/2019
1078728	12C	Asbestos PLM	08/15/2019
1078729	13A	Asbestos PLM	08/15/2019
1078730	13B	Asbestos PLM	08/15/2019
1078731	13C	Asbestos PLM	08/15/2019
1078732	14A	Asbestos PLM	08/15/2019
1078733	14B	Asbestos PLM	08/15/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078734	14C	Asbestos PLM	08/15/2019
1078735	15A	Asbestos PLM	08/15/2019
1078736	15B	Asbestos PLM	08/15/2019
1078737	15C	Asbestos PLM	08/15/2019
1078738	16A	Asbestos PLM	08/15/2019
1078739	16B	Asbestos PLM	08/15/2019
1078740	16C	Asbestos PLM	08/15/2019
1078741	17A	Asbestos PLM	08/15/2019
1078742	17B	Asbestos PLM	08/15/2019
1078743	17C	Asbestos PLM	08/15/2019
1078744	18A	Asbestos PLM	08/15/2019
1078745	18B	Asbestos PLM	08/15/2019
1078746	18C	Asbestos PLM	08/15/2019
1078747	19A	Asbestos PLM	08/15/2019
1078748	19B	Asbestos PLM	08/15/2019
1078749	19C	Asbestos PLM	08/15/2019
1078750	20A	Asbestos PLM	08/15/2019
1078751	20B	Asbestos PLM	08/15/2019
1078752	20C	Asbestos PLM	08/15/2019
1078753	21A	Asbestos PLM	08/15/2019
1078754	21B	Asbestos PLM	08/15/2019
1078755	21C	Asbestos PLM	08/15/2019
1078756	22A	Asbestos PLM	08/15/2019
1078757	22B	Asbestos PLM	08/15/2019
1078758	22C	Asbestos PLM	08/15/2019
1078759	23A	Asbestos PLM	08/15/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078760	23B	Asbestos PLM	08/15/2019
1078761	23C	Asbestos PLM	08/15/2019
1078762	24A	Asbestos PLM	08/15/2019
1078763	24B	Asbestos PLM	08/15/2019
1078764	24C	Asbestos PLM	08/15/2019

Reviewed by: Tammy Wade

Quality Assurance Coordinator

NVLAP LAB CODE 201028-0

Certificate of Analysis

Environmental Testing Laboratories, Inc.
38900 Huron River Drive,
Suite 200, Romulus, Michigan 48174,
(734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus,MI 48174
Location : Vacant Residence
1775 Ford, Lincoln Park, MI 48146

ETC Job : 224364
Client Project : 224364
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078691 01A 4-D Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Plaster	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078691 01A 4-D Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Skim	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078692 01B 5-D Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Plaster	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078692 01B 5-D Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Skim	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078693 01C 7-C Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Plaster	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078693 01C 7-C Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Skim	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078694 01D 8-A Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Plaster	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078694 01D 8-A Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Skim	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078695 01E 9-B Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Plaster	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078695 01E 9-B Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Skim	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078696 02A 5-Ceiling Analyst: Scott Larabell Date Analyzed : 08/15/2019	Textured Plaster	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078697 02B 6-Ceiling Analyst: Scott Larabell Date Analyzed : 08/15/2019	Textured Plaster	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078698 02C 8-Ceiling Analyst: Scott Larabell Date Analyzed : 08/15/2019	Textured Plaster	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078699 03A 1-Center of Rm on Stack Analyst: Scott Larabell Date Analyzed : 08/15/2019	Stack Cement	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078700 03B 1-Center of Rm on Stack Analyst: Scott Larabell Date Analyzed : 08/15/2019	Stack Cement	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078701 03C 1-Center of Rm on Stack Analyst: Scott Larabell Date Analyzed : 08/15/2019	Stack Cement	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078702 04A 1-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	9x9 Floor Tile	Black/Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
1078703 04B 1-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078704 04C 1-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			
1078705 05A 1-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078706 05B 1-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078707 05C 1-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078708 06A 5-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Floor Underlayment	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1078709 06B 5-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Floor Underlayment	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected

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Date Collected : 08/09/2019
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078710 06C 5-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Floor Underlayment	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1078711 07A 3-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	12x12 Floor Tile	Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
1078712 07B 4-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			
1078713 07C 4-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			
1078714 08A 3-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078715 08B 4-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

NVLAP LAB CODE 201028-0

Certificate of Analysis

Environmental Testing Laboratories, Inc.
38900 Huron River Drive,
Suite 200, Romulus, Michigan 48174,
(734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus,MI 48174

Location : Vacant Residence
1775 Ford, Lincoln Park, MI 48146

ETC Job : 224364
Client Project : 224364
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078716 08C 4-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078717 09A 3-Floor Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Linoleum	Beige Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1078717 09A 3-Floor Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Paperback	Black Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078718 09B 4-Floor Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Linoleum	Beige Non-Fibrous Homogenous	PLM 7% Cellulose	PLM 93% Other	PLM None Detected
1078718 09B 4-Floor Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Paperback	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078719 09C 4-Floor Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Linoleum	Beige Non-Fibrous Homogenous	PLM 7% Cellulose	PLM 93% Other	PLM None Detected
1078719 09C 4-Floor Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Paperback	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1078720 10A 3-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	12x12 Floor Tile	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078721 10B 4-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	12x12 Floor Tile	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078722 10C 4-Floor Analyst: Scott Larabell Date Analyzed : 08/15/2019	12x12 Floor Tile	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078723 11A 3-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Construction Adhesive	Yellow Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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Location : Vacant Residence
1775 Ford, Lincoln Park, MI 48146

ETC Job : 224364
Client Project : 224364
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078724 11B 3-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Construction Adhesive	Yellow Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078725 11C 3-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Construction Adhesive	Yellow Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078726 12A 4-C Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap	Brown/Silver Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078727 12B 5-A Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap	Brown/Silver Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078728 12C 7-A Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap	Brown/Silver Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078729 13A Ext-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Transite	Gray/Beige Non-Fibrous Homogenous	PLM 25% Cellulose	PLM 45% Other	PLM 30% Chrysotile

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Location : Vacant Residence
1775 Ford, Lincoln Park, MI 48146

ETC Job : 224364
Client Project : 224364
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078730 13B Ext-C Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			
1078731 13C Ext-D Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			
1078732 14A Ext-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap	Black Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078733 14B Ext-C Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap	Black Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078734 14C Ext-D Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1078735 15A Ext-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap Seam	Black Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected

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ETC Job : 224364
Client Project : 224364
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078736 15B Ext-C Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap Seam	Black Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078737 15C Ext-D Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	House Wrap Seam	Black Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078738 16A Ext-A Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078739 16B Ext-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078740 16C Ext-C Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078741 17A Ext-B Windows Analyst: Scott Larabell Date Analyzed : 08/15/2019	Exterior Caulk	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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ETC Job : 224364
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078742 17B Ext-C Windows Analyst: Scott Larabell Date Analyzed : 08/15/2019	Exterior Caulk	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078743 17C Ext-D Windows Analyst: Scott Larabell Date Analyzed : 08/15/2019	Exterior Caulk	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078744 18A Ext-Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Brown Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078745 18B Ext-Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Brown Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078746 18C Ext-Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078747 19A Ext-Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Location : Vacant Residence
1775 Ford, Lincoln Park, MI 48146

ETC Job : 224364
Client Project : 224364
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078748 19B Ext-Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078749 19C Ext-Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078750 20A 10-B Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Rolled Insulation	Pink Fibrous Homogenous	PLM 3% Cellulose PLM 90% Mineral wool	PLM 7% Other	PLM None Detected
1078750 20A 10-B Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Paper	Brown Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078751 20B 10-C Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Rolled Insulation	Pink Fibrous Homogenous	PLM 2% Cellulose PLM 90% Mineral wool	PLM 8% Other	PLM None Detected
1078751 20B 10-C Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Paper	Brown Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected

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1775 Ford, Lincoln Park, MI 48146

ETC Job : 224364
Client Project : 224364
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078752 20C 10-D Wall Layer-1 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Rolled Insulation	Pink Fibrous Homogenous	PLM 2% Cellulose PLM 95% Mineral wool	PLM 3% Other	PLM None Detected
1078752 20C 10-D Wall Layer-2 Analyst: Scott Larabell Date Analyzed : 08/15/2019	Paper	Brown Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1078753 21A Ext Garage Windows Analyst: Scott Larabell Date Analyzed : 08/15/2019	Window Glaze	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
1078754 21B Ext Garage Windows Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			
1078755 21C Ext Garage Windows Analyst: Scott Larabell Date Analyzed : 08/15/2019 Sample Not Analyzed		Positive Stop			
1078756 22A 10-B Wall Analyst: Scott Larabell Date Analyzed : 08/15/2019	Drywall	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus,MI 48174
Location : Vacant Residence
1775 Ford, Lincoln Park, MI 48146

ETC Job : 224364
Client Project : 224364
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078757 22B 1-Ceiling Analyst: Scott Larabell Date Analyzed : 08/15/2019	Drywall	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078758 22C 1-Ceiling Analyst: Scott Larabell Date Analyzed : 08/15/2019	Drywall	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078759 23A Ext Garage Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078760 23B Ext Garage Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078761 23C Ext Garage Roof Analyst: Scott Larabell Date Analyzed : 08/15/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078762 24A 1-Center of Rm Analyst: Scott Larabell Date Analyzed : 08/15/2019	Vibration Dampener	Gray Fibrous Homogenous	PLM 2% Cellulose PLM 90% Fiberglass	PLM 8% Other	PLM None Detected

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ETC Job : 224364
Client Project : 224364
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078763 24B 1-Center of Rm Analyst: Scott Larabell Date Analyzed : 08/15/2019	Vibration Dampener	Gray Fibrous Homogenous	PLM 3% Cellulose PLM 95% Fiberglass	PLM 2% Other	PLM None Detected
1078764 24C 1-Center of Rm Analyst: Scott Larabell Date Analyzed : 08/15/2019	Vibration Dampener	Gray Fibrous Homogenous	PLM 2% Cellulose PLM 90% Fiberglass	PLM 8% Other	PLM None Detected

Lab Supervisor/Other Signatory

Analyst:

Scott Larabell

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC")
Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples
Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples
EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials
EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

ENVIRONMENTAL TESTING LABORATORIES, INC
38900 Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 992-2261
www.2etl.com

Bulk Asbestos Chain of Custody

ETL Project #: 224329

Client: ETC	**Contact:** Leo Wall	**Project Location/name:** 1775 Ford Lincoln Park, MI 48146
	Phone: 734.955.6600	
Address: 38900 W Huron River Dr.	**Fax:** 734.955.6604	**Client Project #:** 22436
	E-mail: results@2etc.com	**Date Sampled:** 8 Aug 2019

Please Provide Results: X Email ☐ Fax ☐ Verbal ☐ Other _____

Turnaround Time (TAT): ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr X Standard (3 days) ☐ Other _____

PLM Instructions
(Check all that apply)

X PLM EPA600/R-93/116, 1993 (Standard method)	X Stop at 1st Positive - *Clearly mark Homogenous Group*
Point Counting: ☐ 400 Points* ☐ NYSDOH ELAP 198.1, 2002*	
☐ Gravimetric Reduction* ☐ NYSDOH ELAP 198.6, 2010*	
☐ PLM Non-Building Material (Dust, Wipe, Tape)	☐ Soil or Vermiculite Analysis*

** Additional charge and turnaround may be required*

Lab ID	Sample ID	Sample Location	Material Description
	01-A-C	SEE ATTACHED PAPERWORK	SEE ATTACHED PAPERWORK
	02-A-C		
	24-A-C		

		Date	Time
Relinquished (Name/Organization):	Connor Beausoleil ETC	8 Aug 2019	5:00 am/pm
Received (Name/ETL):	Brianna Cline Brianna Cline	8.14.19	10:25 am/pm
Sample Login (Name/ETL):	Angelica Banks Angelica Banks	8.14.19	1:08 am/pm
Stereoscopical/Sample Analysis (Name/ETL)	[illegible]	8-15-19	8:00 am/pm
Results (Name/ETL):	Briella Sparello	8-15-19	1:15 am/pm
QA/QC Review (Name/ETL):	Briella Sparello	8-15-19	1:15 am/pm

Special Instructions: POINT COUNT PLASTER <5% AND ALL OTHER MATERIALS THAT ARE GREATER THAN 0 AND LESS THAN 1%

Remarks

****IN ORDER TO ENSURE RESULTS BY SPECIFIED TAT, THE LAB MUST BE EMAILED/CALLED WITH THE QUANTITY OF SAMPLES TO BE SHIPPED OR DROPPED OFF**

Asbestos Material Sampling Summary Sheet
Surfacing materials

Job #: P 227364 **Building:** 1775 Fort, Lincoln Park, MI 48146 **Date:** 9/AUG/19

Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
01	Material: Plaster over Drywall White + Brown	F	A	4 - Brown	1078691	3, 4, 5, 6, 7, 8, 9	2500SF	9
			B	5 - Drywall	692			
			C	7 - Drywall	693			
			D	8 - Brown	694			
			E	9 - Brown	695			
02	Material: Textured Plaster White, Bumpy	F	A	5 - Ceiling	696	5, 6, 8	800SF	10
			B	6 ↓	697			
			C	8 ↓	698			
	Material:							

<1000 SF = 3 samples

1000 - <5000 = 5 samples

>5000 = 7 samples

Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet
Miscellaneous materials

Job #: 224364 | 1775 Ford, Lincoln Park, MI 48146 | 9 Aug 2017

Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location (10718699)	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
03	Material: Stack Cement Description: Grey	F	A	1 - Center of Room on stack	1	45sf	11
			B	1 -			
			C	1 -			
04	Material: 9x9 Floor Tile Description: Black & Beige Checkered	NF1	A	1 - Floor 702	1	800sf	12
			B	1 - Floor 703			
			C	1 - Floor 704			
05	Material: Mastic Description: Black	NF11	A	1 - Floor 705	1	800sf	13
			B	1 - Floor 706			
			C	1 - Floor 707			
06	Material: Floor underlayment Description: Black	NF1	A	3 - Floor 708	Throughout 1st Floor	10,000sf	14
			B	3 - Floor 709			
			C	3 - Floor 710			
07	Material: 12x12 Floor Tile Description: Beige	NF1	A	3 - Floor 711	3, 4	2500sf	15
			B	4 - 712			
			C	4 - 713			
08	Material: Mastic Description: Black	NF11	A	3 - 714	3, 4	2500sf	16
			B	4 - 715			
			C	4 - 716			
09	Material: Linoleum Description: Beige	NF1	A	3 Floor 717	3, 4	2500sf	17
			B	4 718			
			C	4 719			

2 for Land Bank, 3 for anything else unless otherwise requested

Bank

Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet
Miscellaneous materials

Job #: 224364	1775 Ford, Lincoln Park, MI 48146								
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location			Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
10	Material: 12x12 Floor Tile Description: Yellow-Flower Print	NF	A	3 - Floor	1078720		3, 4	2505F	18
			B	4	721				
			C	4	722				
11	Material: Construction Adhesive Description: Yellow	NF	A	3 - B wall	723		3	150SF	19
			B	3 -	724				
			C	3 -	725				
12	Material: House wrap Description: Brown-Silver Backing	NF	A	4 - C wall	726		Threshold 1st Floor Exterior rooms	1505SF	20
			B	5 - A wall	727				
			C	7 - A wall	728				
13	Material: Transite Description: Gray/Beige	NF	A	Ext - B -	wall	729	Ext	150SF	21
			B	Ext - C	Wall	730			
			C	Ext - D	Wall	731			
14	Material: House wrap Description: Black	NF	A	Ext-B	wall	732	Ext	1505SF	22
			B	Ext-C	Wall	733			
			C	Ext-D	wall	734			
15	Material: House wrap seam Description: Black	NF	A	Ext-B	wall	735	Ext	1505SF	23
			B	Ext-C	wall	736			
			C	Ext-D	wall	737			
16	Material: Exterior caulk Description: White	NF	A	Ext-A	wall	738	Ext	120LF	24
			B	Ext-B	wall	739			
			C	Ext-C	wall	740			

2 for Land Bank, 3 for anything else unless otherwise requested

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Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet
Miscellaneous materials

Job #: 724 364 | 1775 Ford, Lincoln Park, MI 9/8/16 | 8 Aug 2018

Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
17	Material: Exterior Caulk Description: Brown	NF	A	Ext - B windows 1078741	Ext	80LF	25
			B	Ext - C windows 742			
			C	Ext - D windows 743			
18	Material: Shingle Description: Brown	NF	A	Ext - Roof 744	Ext	1300SF	26
			B	Ext 745			
			C	Ext 746			
19	Material: Shingle Description: Black	NF	A	Ext - Roof 747	Ext	1300SF	27
			B	Ext 748			
			C	Ext 749			
20	Material: Rolled Insulation Description: pink Fiberglass	F	A	10 - B wall 750	10	300SF	28
			B	10 - C wall 751			
			C	10 - D wall 752			
21	Material: Window Glaze Description: Brown	NF	A	Ext Garage windows 753	Ext Garage	1 unit	29
			B	754			
			C	755			
22	Material: Drywall Description: white - Pannelings	F	A	80 - B wall 756	10, 1	600SF	30
			B	1 - Ceilings 757			
			C	1 - Ceiling 758			
23	Material: Shingle Description: Gray	NF	A	Ext Garage Roof 759	Ext Garage	500SF	31
			B	760			
			C	761			

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2 for Land Bank, 3 for anything else unless otherwise requested

Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet
Miscellaneous materials

Job #: 22+364		1775 Ford, Lincoln Park, MI 48146			08 Aug 2019		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
24	Material: Vibration Dampener Description: Grey	NFM	A	1 - Center of Room 1078762	1	10sf	32
			B	1 - 763			
			C	1 - 764			
	Material: Description						
	Material: Description						
	Material: Description						
	Material: Description						
	Material: Description						
	Material: Description						

2 for Land Bank, 3 for anything else unless otherwise requested

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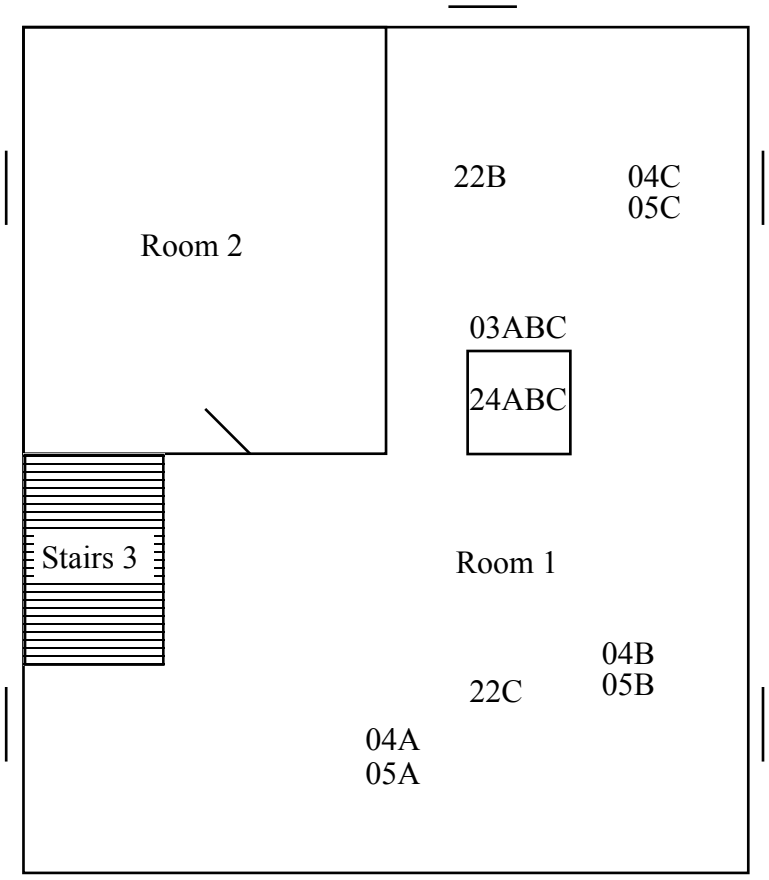
APPENDIX B

SITE MAP

1775 Ford, Lincoln Park, MI 48146



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

City of Lincoln Park
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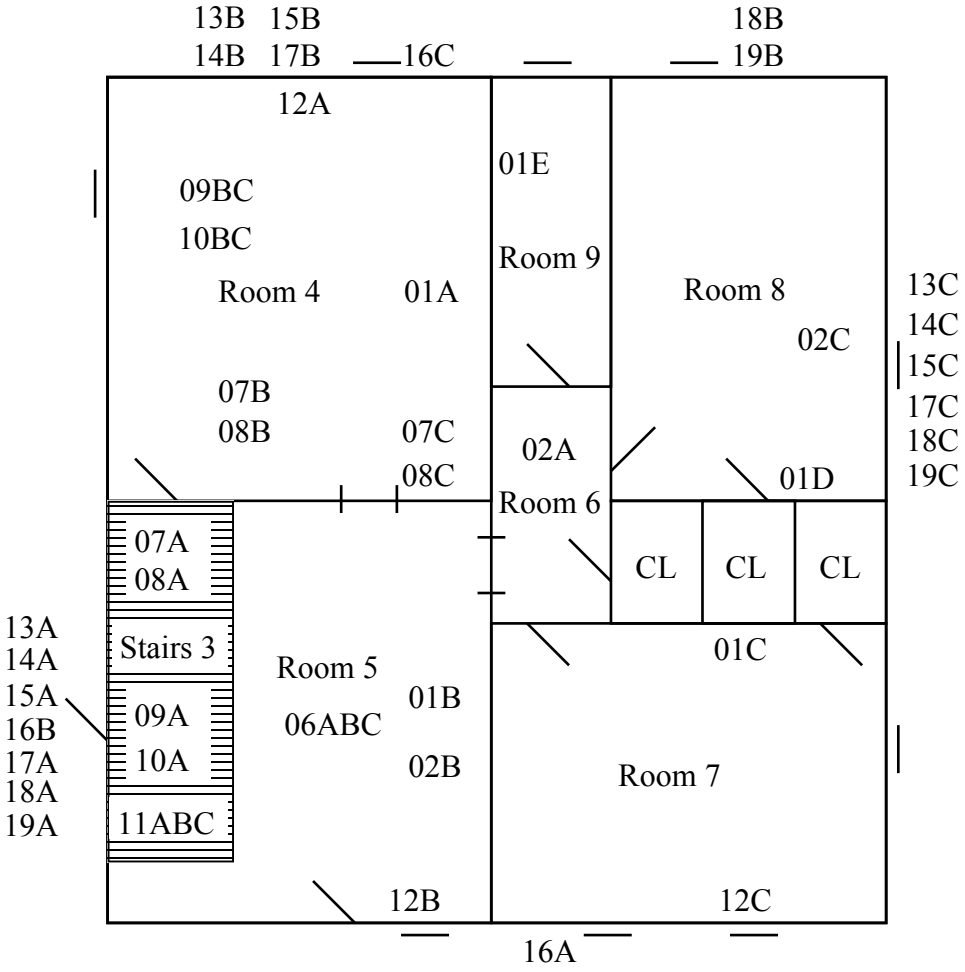
1775 Ford, Lincoln Park, MI 48146

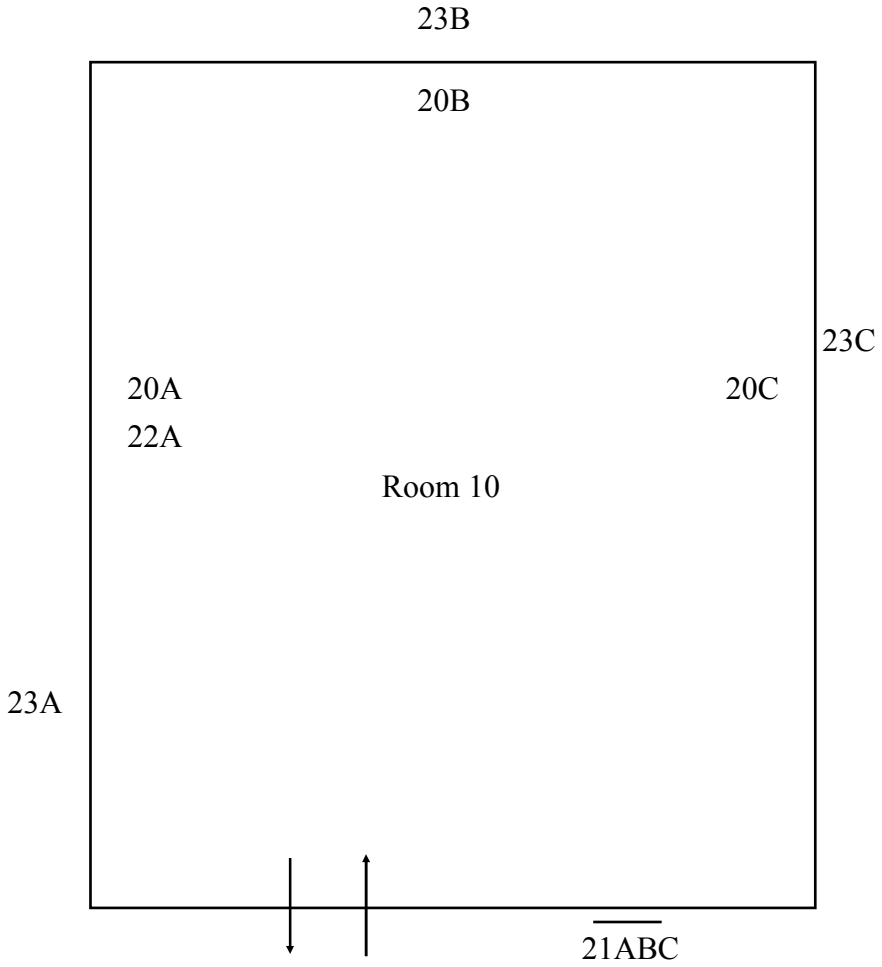


N

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

City of Lincoln Park
224364

1775 Ford, Lincoln Park, MI 48146



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

City of Lincoln Park
224364

APPENDIX C

PHOTOGRAPHS

Pos. 9X9 Floor Tile

Pos. 12X12 Floor Tile

Pos. Transite

Pos. Window Glaze

APPENDIX D

STATE OF MICHIGAN NOTIFICATION OF INTENT TO RENOVATE OR DEMOLISH

NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH

DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) AIR QUALITY DIVISION
NESHAP, 40 CFR Part 61, Subpart M

LARA MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS (LARA), ASBESTOS PROGRAM, P.A. 135 OF 1986, AS AMENDED, Section 220 (1-4) or (8)

DEQ/LARA USE ONLY

Postmark Date ____/____/____ Rec'd Date ____/____/____
Emergency Date ____/____/____ Valid No. _____
☐ OK ☐ Send Def Ltr. Date of Def Ltr. ____/____/____
FOLLOW UP ____/____/____ Spoke w/ _____
Comments: _____
Notification No. _____ Trans No. _____

Calculate LARA Asbestos Project Fee: (1% Project Fee)
Total Project Cost: _____ x 0.01 = _____
Type of Contractor: _____ License No.: _____
Licensing Authority: _____

1. NOTIFICATION:

Date of Notification: _____
Date of Revision(s): _____
Notification Type: ☐ Original ☐ Revised ☐ Canceled ☐ Annual

Mark appropriate boxes: (both DEQ and LARA may apply):

DEQ (NESHAP) ***[260 ln. ft./160 sq. ft. or more is threshold]***
☐ Planned Renovation – 10 **working** days notice
☐ Emergency Renovation
☐ Scheduled Demolition – 10 **working** days notice
☐ Intentional Burn – 10 **working** days notice
☐ Ordered Demolition

LARA (MIOSHA) ***[Will not accept annual notifications]***
☐ Demo, Reno, Encap. (>10 ln. ft./15 sq. ft.) 10 **calendar** days notice
☐ Emergency Renovation/Encapsulation

2. PROJECT SCHEDULE:

	START DATE	END DATE
* Renovation		
+Asb. Removal		
+Demolition:		
Encapsulation:		

Work Schedule: Please indicate the anticipated days of the week and work hours for the purpose of scheduling a compliance inspection.

	Days of the Week	Work Hours
Asb. Removal:		
Demolition:		
Encapsulation:		

* Includes setup, build enclosure, asbestos removal, demobilizing, etc.
+Include **only** those dates you are conducting asbestos removal/demo.

☐ Check here if this is a multi-phased project, attach a schedule showing the start/end date of each phase.

3. ABATEMENT CONTRACTOR: Internal Project #: _____
Name: _____
Mailing Address: _____
City/State/Zip: _____
E-mail: _____
Contact: _____ Phone: _____

4. DEMOLITION CONTRACTOR: Internal Project #: _____
Name: _____
Mailing Address: _____
City/State/Zip: _____
E-mail: _____
Contact: _____ Phone: _____

5. FACILITY OWNER: ("Facility" includes Bridges)
Name: _____
Mailing Address: _____
City/State/Zip: _____
E-mail: _____
Contact: _____ Phone: _____

6. FACILITY DESCRIPTION:
Facility Name: _____
Location Address/Description: _____
_____ If Apt. # of units: _____
City/Twp. _____ State: _____ Zip Code: _____
County: _____ Nearest Crossroad: _____
Size: (sq. ft.) _____ No. of Floors: _____ Floor No.: _____
Age: _____ Present Use: _____ Prior Use: _____
Specific Location(s) in Facility: _____

7. DISPOSAL SITE:
Name: _____
Location Address: _____
City/State/Zip: _____

8. WASTE TRANSPORTER 1:
Name: _____
Address: _____
City/State/Zip: _____
Phone: _____

WASTE TRANSPORTER 2:
_____
_____
_____
_____

9. ORDERED DEMOLITIONS: (See NESHAP regulations for definition of "Ordered Demolition.") A copy of the official Order must accompany this notification.
Gov't Agency Ordering Demo: _____
Name/Title of Person Signing Order: _____
_____
Date of Order: _____ Date Ordered to Begin: _____

10. IS ASBESTOS PRESENT? ☐ Yes ☐ No ☐ To be removed prior to demolition

Estimate the amount of asbestos: Include RACM (Regulated Asbestos Containing Material) to be removed, encapsulated, etc. Also include the amount and type (floor tile, roofing, etc.) of non-friable Category I and/or Category II ACM that **will not** be removed prior to demolition. (**NOTE:** In a demolition, cementatious ACM cannot remain in a structure, as it is likely to become regulated in the demolition/handling process. It must be removed prior to demolition.)

RACM to be Removed	RACM to be Encapsulated	Non-friable ACM **not** removed prior to demo. Category I	Non-friable ACM **not** removed prior to demo. Category II	Units of Measure	
				☐ Ln. Ft.	☐ Ln. M.
				☐ Sq. Ft.	☐ Sq. M.
				☐ Cu. Ft.*	☐ Cu.M.*

*Volume (cubic ft./meters) should be used only if unable to measure by linear/square measure (example: asbestos has fallen off of surface).

(continued on reverse side)

11. PROJECT DESCRIPTION: Complete **A) for Renovation** (asbestos removal/encapsulation) and/or **B) for Demolition:**

A) RENOVATION: Mark all surfaces/types of RACM to be removed:
☐ Piping ☐ Fittings ☐ Boiler(s) ☐ Tanks(s)
☐ Beam(s) ☐ Duct(s) ☐ Tunnel(s) ☐ Ceiling Tile(s)
☐ Mag Block ☐ Other (describe)_____

Encapsulation (for LARA): Mark surfaces/types to be encapsulated:
☐ Piping ☐ Fittings ☐ Boiler(s) ☐ Tank(s)
☐ Beam(s) ☐ Duct(s) ☐ Tunnel(s) ☐ Ceiling Tile(s)
☐ Other (describe) _____

Method of removal: Describe how the asbestos will be removed from the surface (example: glove bag, scrape with hand tools, cut in sections and carefully lower, etc.): _____

B) DEMOLITION: Describe the method of demolition of facility, bridge, etc., and indicate if complete or partial. If partial, describe which part of facility bridge, etc., will be demolished: _____

12. ENGINEERING CONTROLS: Describe work practices and engineering controls used to prevent visible emissions before, during, and after removal, and until proper disposal: _____

13. UNEXPECTED ASBESTOS: Describe the steps you intend to follow in the event that unexpected RACM is found or previously non-friable asbestos becomes friable (crumbled, pulverized, reduced to powder, etc.) and therefore regulated: _____

14. PROCEDURE(S) USED TO DETECT THE PRESENCE OF ASBESTOS: A) Indicate how you determined whether or not asbestos is in the facility. If analytical sampling was used, describe method of analysis. (The determination of the presence or absence of asbestos must be made prior to submitting a renovation/demolition notification.): _____

B) Name, address, and phone number of company performing asbestos survey: _____

C) Name, accreditation number of inspector, and date of inspection: _____

15. EMERGENCY RENOVATIONS: Date/time of emergency: _____ Describe the sudden, unexpected event: _____

Explain how the event caused unsafe conditions, and/or would cause equipment damage and/or an unreasonable financial burden: _____

16. I certify that an individual trained in the provisions of 40 CFR Part 61, Subpart M, will be on-site during the renovation and during demolition involving RACM above the threshold and/or during an ordered demolition. Evidence that this person has completed the required training will be available for inspection at the renovation or demolition site.

Signature of Owner or Abatement Contractor *Date* *Signature of Owner or Demolition Contractor* *Date*

17. Signature Requirements for Projects with Negative Pressure Enclosures: (required by LARA)
Per Section 221(1)(2) of P.A. 135 of 1986, as amended, clearance air monitoring is required for any asbestos abatement project involving 10 linear feet/15 square feet or more of friable material which is performed within a negative pressure enclosure. ***I (the building owner or lessee) have been advised by the contractor of my responsibility under Act 135 to have clearance air monitoring performed on this project.***

Signature of Building Owner or Lessee *Date* *Signature of Asbestos Abatement Contractor Representative* *Date*

NOTE: **It is not mandatory that a signed copy be sent to LARA unless requested.** For affected projects, this section of the notification form must be completed, signed, and made part of **your** records before the project begins.

18. I certify that the above information is correct:

Printed Name of Owner/Operator *Date* *Signature of Owner/Operator* *Date*

MAILING ADDRESSES/PHONE NUMBERS: (See Item 1 to determine which agency requirements/regulations are applicable to your project.)

For **Public Act 135 of 1986, as amended, Section 220 (1-4) or (8),** mail to address below. For more info visit: http://www.michigan.gov/asbestos

MIOSHA Asbestos Program
LARA, CSHD
P.O. Box 30671
Lansing, MI 48909-8171

517.636.4551 (office), 517.322.1713 (fax)

For **NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M**, mail notifications to the appropriate address below (by county of subject facility): For more info visit http://www.michigan.gov/deq click on Air, then Asbestos NESHAP Program.

All Counties (except Wayne County)

NESHAP Asbestos Program
DEQ, AQD
P.O. Box 30260
Lansing, MI 48909-7760

517.241.7463 (Office)
517.373.7064 (Revision Line)

Wayne County Only

NESHAP Asbestos Program
Detroit Field Office, DEQ, AQD
Cadillac Place, Suite 2-300
3058 West Grand Boulevard
Detroit, MI 48202

313.456.4686 (Office)
313.456.2558 (Revision Line)