

Notice of Advertisement

Seeking Demolition Bids. The Charter Township of Van Buren, Wayne County, MI will receive bids for the demolition, removal, and disposal of all structures and debris at **1050 Savage Road (Parcel Number V125-83-105-99-0022-000)**. Bid forms and demolition work specifications are available at the Office of the Township Clerk, 46425 Tyler Road, Van Buren Township, MI 48111, from 7:30 a.m. - 4:00 p.m., Monday – Friday or on the Township website at www.vanburen-mi.org. Bids shall be submitted to the Clerk's Office by **3:00 p.m. on Wednesday, November 23, 2016** and will be publicly opened immediately following the closing of the bid. Interested contractors may contact Ron Akers, Director of Planning & Economic Development at (734) 699-8913 to schedule a Pre-Bid Meeting. The Township reserves the right to reject any and all bids and reserves the right not to award a contract. Van Buren Township is an equal opportunity employer. This project will be funded with federal Community Development Block Grant (CDBG) funds.

Posted and Published: November 3, 2016



NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that **SEALED BIDS** will be received at the Office of the Clerk, located in the Van Buren Township Hall, 46425 Tyler Road, Van Buren Township, MI 48111, **on or before Wednesday, November 23, 2016 at 3:00 p.m.** for the following item:

Demolition, Removal, and Disposal of Structures and Debris – 1050 Savage Road (Parcel Number V125-83-105-99-0022-000)

The Charter Township of Van Buren is using federal Community Development Block Grant (CDBG) funds for this project. Bids & Requests for Proposals for Township supplies and services can be found on the City's website at www.vanburen-mi.org.

The Bidding Schedule is as follows:

<u>Date</u>	<u>Detail</u>
Thursday, November 3, 2016	Bid Issued
Wednesday, November 23, 2016	Bid Due Date & Opening at 3:00 p.m.
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By or Before Friday, Dec. 2, 2016	Selection of Contractor and Approval by Township
By or Before Monday, Dec. 19, 2016	Start of Service
Friday, January 6, 2017	End of Service (Including Inspection), Subject to Extension Upon Mutual Agreement
Friday, January 13, 2017	Deadline to Submit Final Invoice and other Required Paperwork to Township

** The Township reserves the right to not award a contract.*

For assistance or further information, contact Patrick Sloan at (248) 596-0920 or psloan@mcka.com

NOTICE OF REQUIREMENTS
CHARTER TOWNSHIP OF VAN BUREN
CHARTER TOWNSHIP OF VAN BUREN DEMOLITION, REMOVAL, AND DISPOSAL OF STRUCTURES AND
DEBRIS – 1050 SAVAGE ROAD, VAN BUREN TOWNSHIP, MI 48111
PARCEL NUMBER V125-83-105-99-0022-000

1. **GENERAL DESCRIPTION:** This contractor shall furnish all labor, material, supplies, power, machinery, tools and equipment needed to perform the demolition, removal, and disposal of structures and debris at **1050 Savage Road** and restoration of the site.
2. **PRE-BID MEETING:** A pre-bid meeting is not required. Interested contractors may contact Ron Akers, Director of Planning & Economic Development at (734) 699-8913 to schedule a Pre-Bid Meeting.
3. **PROFESSIONAL REFERENCES REQUIRED:** The contractor shall include with the bid a minimum of three (3) local references on the form provided for similar work performed. The Township may make such investigations as it deems necessary to determine the ability of the bidder to perform work, and the bidder shall furnish the Township all such information and date for this purpose as the Township may request. The Township reserves the right to reject any bid if the evidence submitted by or investigation of such bidder fails to satisfy the Township that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein.
4. **EXAMINATION OF CONTRACT DOCUMENTS AND SITE:** Before submitting a bid each bidder shall:
 - Examine the specifications and contract documents thoroughly;
 - Visit the site to become familiar with local conditions that may in any matter affect cost, progress or performance of the work;
 - Become familiar with all laws, rules, and regulations that may in any matter affect cost, progress or performance of work; and
 - Study and carefully correlate bidder's observations with the Contract Documents.
5. **BID FORM:** Each bid shall be made on the form provided and shall be submitted in a sealed envelope bearing the title of work and the name of the bidder. All blank spaces for bid prices must be filled in with ink or typewritten. All bids must be signed.
6. **MODIFICATIONS:** Alternate written bids submitted may be considered; however, final determination as to suitability and compliance with the Specifications and General Provisions will be with the Township.
7. **DELIVERY OF BIDS:** Bids will be delivered by the time and to the place stipulated in the Notice to Bidders. It is the sole responsibility of the bidder to see that their bid is received in the proper time. Any bid received after the bid opening date and time shall be discarded or returned to the bidder unopened.
8. **BID OPENING:** Bids will be opened publicly at the time and place set forth in the Notice to Bidders.
9. **WITHDRAWAL OF BIDS:** Any bidder may withdraw their bid, either personally or by written request, at any time prior to the scheduled closing time for receipt of bids. Each bid shall be considered

binding and in effect for a period of forty-five (45) days after the date of opening set forth in the Notice to Bidders.

10. **WORKMANSHIP:** All materials furnished under this proposed contract must be of high quality, and of the best workmanship and design unless otherwise expressly specified. The contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.
11. **QUESTIONS / ADDENDA / CLARIFICATION / CORRECTION:** Instructions will be given should any questions, addenda, clarification, or corrections in the proposal be called to the attention of the Township not less than one (1) working day before bids are due. Instructions will be in the form of written addenda to the specifications which, if issued will be emailed to all prospective bidders (at the respective email address furnished for such purposes), not later than one (1) day prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under his bid as submitted. All addenda so issued shall become part of the contract documents.
12. **RIGHT TO REJECT:** The Township reserves the right to reject any or all proposals in whole or part.
13. **CONTRACT AWARD:** The Township also reserves the right to accept the bid judged as most responsive and satisfactory for its requirements based on standards of the U.S. Department of Housing and Urban Development (HUD) and the Township's purchasing policy. The successful bidder will be notified of the contract award by either purchase order or by written notice from the Community Development Agent.
14. **CONTRACT DEFINED:** The contract shall consist of the proposal by the bidder, Notice of Requirements, Specifications and Scope, Bid Proposal, Charter Township of Van Buren purchase order (or Notice of Award), and all written supplemental agreements executed by the contracting parties. The contract may not be assigned or subject without written consent of the Township.
15. **AGREEMENT:** Concurrently with the execution and delivery of Agreement, Contractor shall deliver to the Township certificates of insurance as required herein.

At least two (2) copies of the Agreement and such other documents, as required, will be signed by the Township and Contractor within seven (7) days of the Notice of Award. The Township will sign the Agreement upon receipt of certificates of insurance and contractor executed Agreement.
16. **ANTIDISCRIMINATION:** Van Buren Township does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services.
17. **INSPECTION:** Services will be inspected by the Township's authorized agent as to their general and specific compliance with specifications.
18. **PAYMENTS:** After Contractor has furnished all material and/or completed all work as specified herein, payment will be processed. The Township may require full unconditional waiver of liens from all material suppliers and subcontractors prior to processing final payment.
19. **REJECTION:** The cost of unloading and storing of rejected goods will be charged to the contractor's account. Rejected material must be removed from the subject property immediately after

notification. The Township reserves the right to sell such goods, if not removed, to the highest bidder and credit the contractor's account with money so received.

20. **PERFORMANCE BOND:** A performance bond as security for faithful performance of this contract may be required by the Township, equal to 100% of the total amount of the contract award, on the form provided. The surety on such bond shall be a duly authorized surety company satisfactory to the owner.

21. **INSURANCE:** Contractor shall at all times during the Agreement maintain in full force and effect Employer's Liability, Worker's Compensation, Compensation General Liability, Property Damage, and Motor Vehicle Liability including contractual liability coverage for the hold harmless provisions. All insurance shall be by insurers and for policy limits acceptable to the Township and before commencement of work hereunder. The Comprehensive General Liability policy shall name the **Charter Township of Van Buren as additional insured** to protect its interests. Contractor agrees to furnish the Township evidence that such insurance has been procured and is in force.

Certificates of insurance must be provided for evidence and executed by an authorized agent or broker.

For the purposes of the Agreement, Contractor shall carry the following types of insurance in at least the limits specified on next page:

<u>COVERAGES:</u>	<u>LIMITS OF LIABILITY:</u>
Workmen's Compensation	Statutory*
Employer's Liability	\$1,000,000
Bodily Injury Liability (except automobile)	\$1,000,000 per occurrence
Property Damage Liability (except automobile)	\$1,000,000 per occurrence
	\$2,000,000 aggregate
Motor Vehicle (all owned, non-owned, and hired vehicles)	\$1,000,000 per occurrence

All policies affording the various coverage's required by this section shall be endorsed to provide for a ten (10) day prior written notice to be delivered to the Township before any of the coverage's afforded by these policies are either reduced or cancelled.

- Contractors who are "sole proprietor" shall submit a waiver of worker's compensation benefits on an approved form.

22. **TERMINATION BY THE CONTRACTOR:** If the work is stopped for a period of ninety (90) days under an order of any court or other public authority having jurisdiction or as a result of an act of government making materials unavailable through no act or fault of the contractor or a subcontractor or their agents or employees or any other persons performing any of the work under a contract with the contractor, or for the Township's failure to make payment, the contractor may upon seven (7) days written notice to the Township terminate the contract and recover from the Township payment for all work executed and for any proven loss sustained upon any materials, equipment, tools, construction equipment and machinery, including reasonable profit and damages.

23. **TERMINATION BY THE TOWNSHIP:** If the contractor is adjudged a bankrupt or if he makes a general assignment for the benefit of his creditors; or if a receiver is appointed on account of his insolvency;

or if he persistently or repeatedly refuses or fails except in cases for which extension of time is provided to supply enough properly skilled workmen or proper materials; or if he fails to make prompt payment to subcontractors or for materials or labor or persistently disregards laws, ordinances, rules, regulations or orders of any public authority having jurisdiction; or otherwise is guilty of substantial violation of a provision of the contract documents; then the Township may, without prejudice to any right or remedy and after giving the contractor and his surety seven (7) days written notice terminate the employment of the contractor and take possession of the site and all materials, equipment, tools, construction equipment and machinery thereon owned by the contractor and may finish the work by whatever method he may deem expedient. In such case the contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the contract sum exceeds the costs of the finishing of the work, such excess shall be paid to the contractor. If such costs exceed such unpaid balance, the contractor shall pay the difference to the Township.

24. ASBESTOS MATERIAL AND ABATEMENT: An asbestos survey has been conducted at the home and shed at **1050 Savage Road**, and the materials tested do not contain asbestos. Therefore, no asbestos abatement is required. Please refer to the attached asbestos survey (**Appendix B**) for results and instructions.

25. LEAD BASED PAINT: Based upon the age of the structures, all paint-covered surfaces are assumed to contain lead-based paint (LBP). All demolition, removal, and disposal work, with respect to LBP, will be performed in accordance with all applicable Federal and State regulations including the following:

1. OSHA Final Rule 29 CFR 1926.62 Lead Exposure in Construction
2. MDCIS R325.5190117 February 1998 Lead Standard

Contractor shall take all safety measures and precautions necessary to protect its employees and building occupants.

26. BURNING AND EXPLOSIVES: Burning waste materials and the use of explosives at the site are prohibited.

27. DUST CONTROL: Dust control shall be performed by the Contractor in accordance with all laws, ordinances, and permits. The demolition work and removal operations all employ adequate controls so as to prevent visible emissions of dust and to avoid migration of airborne materials off-site, including misting operations. Use of water will not be permitted when it will result in or create hazardous or objectionable conditions such as ice, flooding, pollution and electrical shock.

28. DEMOLITION, REMOVAL, DISPOSAL, AND SITE RESTORATION: All demolition, removal, disposal, and site restoration shall be in accordance with the enclosed Scope and Specifications (**Appendix A**).

29. RECYCLING:

- A. The Contractor has the option, and is strongly encouraged to recycle any materials found or demolished on-site in order reduce the amount of materials disposed of. The Contractor shall have all salvage and recycling rights for the building materials and equipment currently in the building unless noted otherwise.

- B.** Regulated materials shall be recycled at a licensed recycling facility. Contractor shall use only recyclers that are authorized by the appropriate regulatory agency and approved by the Engineer for recycling of these materials.

Contractor Information

Company Name: _____ Federal EIN: _____

Address: _____

City: _____ State: _____ ZIP: _____

Telephone: _____ Fax: _____

E-mail: _____

Lead Abatement Contractor Certificate Expiration Date: _____

Authorized Signature: _____ Print Name: _____

Is this company a Minority or Woman owned Business (MWBE)? **YES No**

If **YES**, MWBE code: ____ (*see below*)

Authorized Signature: _____

Print Name: _____

MWBE Ownership Codes for Federal contract activity reporting:

- 1 = White Americans
- 2 = Black Americans
- 3 = Native Americans
- 4 = Hispanic Americans

- 5 = Asian/Pacific Americans
- 6 = Hasidic Jews
- 7 = Female Owned

References

Attach the names of three references to your proposal.

1. Name of Company:

Contact Person:

Phone No:

2. Name of Company:

Contact Person:

Phone No:

3. Name of Company:

Contact Person:

Phone No:

BID PROPOSAL

PROPOSAL TO CHARTER TOWNSHIP OF VAN BUREN, WAYNE COUNTY, MICHIGAN –

BID PROPOSAL FOR: Demolition, Removal, and Disposal of All Structures and Debris at 1050 Savage Road, Van Buren Township, MI 48111 (Parcel Number V125-83-105-99-0022-000)

BID OPENING: Wednesday, November 23, 2016 at 3:00 p.m.

TO: Clerk, Charter Township of Van Buren
46425 Tyler Road
Van Buren Township, MI 48111

Ladies and Gentlemen:

The undersigned has examined the various bid documents attached hereto and is fully informed as to the requirement provided therein, the nature of the service and conditions relating to performance thereof. The undersigned hereby proposes to furnish all labor, material and equipment to complete the demolition, removal, disposal, and site restoration project for which a lump sum bid proposal is indicated below, all in accordance with the bid documents.

TOTAL BID AMOUNT \$ _____

THE UNDERSIGNED, by execution of this bid, certifies that he is the (title) of the firm named as bidder in the bid, that he signs the bid on behalf of the firm, and that he is authorized to execute the same on behalf of said firm.

NAME AND ADDRESS OF BIDDER:

Company Name: _____

Address: _____

_____ Zip _____

Bid Submitted by: _____
(Signature) (Title)

Print Name: _____

Telephone No.: _____

Date: _____

APPENDIX A: SCOPE AND SPECIFICATIONS

BID FORMS AND SPECIFICATIONS FOR THE DEMOLITION, REMOVAL AND DISPOSAL OF HOME, OUT BUILDING, AND OTHER STRUCTURES. REMOVE ALL CONSTRUCTION DEBRIS AND OTHER DEBRIS FROM AROUND ALL BUILDINGS AND FOUNDATIONS SITES. BACKFILL ALL OPEN HOLES WITH CLEAN FILL DIRT AND ROUGH GRADE, PLACE SEED AND STRAW ON GRADED AREAS.

DISCONNECT WATER AND SEWER PURSUANT TO TOWNSHIP REQUIREMENTS. ALSO, IF NEEDED, DISCONNECT ALL OTHER UTILITIES INCLUDING, BUT NOT LIMITED TO, PHONE, AND CABLE. TOWNSHIP WILL ORDER DISCONNECTIONS OF ELECTRIC AND GAS SERVICE.

The Charter Township of Van Buren, Wayne County, MI, hereafter referred to as LOCAL MUNICIPALITY, is seeking bids for the demolition and site restoration work described herein on a parcel of land known as **1050 Savage Road, Belleville, MI 48111, Parcel Number V125-83-105-99-0022-000.**

DEFINITIONS

- A. DEMOLITION CONTRACTOR - The successful bidder accepted by the Charter Township of Van Buren, Wayne County, Michigan.
- B. LOCAL MUNICIPALITY - The Charter Township of Van Buren, Wayne County, MI.
- C. PROOF – The appropriate forms, releases and other documentation as required by the regulating agency.
- D. PUBLIC UTILITIES – The agency whether public or private that supplies the utility to the parcel of land.
- E. REGULATING AGENCY - The unit of government or other entity which has statutory and/or jurisdiction and is recognized by the Charter Township of Van Buren, Wayne County, MI as the authority.
- F. RECOGNIZED AND ACCEPTABLE PROFESSIONAL DEMOLITION CONTRACTOR – The Company determined by the Charter Township of Van Buren, Wayne County, MI which has submitted a complete bid form and whether by professional credentials or past experience demonstrates it can perform the work as described.
- G. SCHEDULE OF WORK – A narrative, chart or other written documentation of the commencement and completion of work as measured in days, weeks and/or months.

- H. **SUCCESSFUL BIDDER** – The company or individual who has submitted a complete bid form and is recognized and acceptable to the Charter Township of Van Buren, Wayne County, MI.
- I. **WORK** – The scope of work as described in this bid form.
- J. **BUILDING INSPECTOR / CODE OFFICIAL** – The Van Buren Township employee overseeing and coordinating the work.

SCOPE OF WORK SHALL INCLUDE:

1. Disconnect all public utilities including: water and sewer (Township), gas, electric, phone, and cable.
2. Demolish, remove, and dispose of the home, outbuilding, and other structures including the foundations, walls, footings, and other debris in accordance with all applicable laws and ordinances.
3. Remove and dispose of all construction debris and other debris on the property in accordance with all applicable laws and ordinances.
4. Backfill all open holes with clean fill dirt and grade all holes and excavations that were part of the demolition areas.
5. Seed and mulch all backfilled and graded areas with a grass seed mix appropriate for the area.

SPECIFICATIONS FOR DEMOLITION BIDS

All WORK will be performed per the specifications described herein. The successful bidder shall be a recognized and acceptable professional demolition contractor by the LOCAL MUNICIPALITY and determined to be the DEMOLITION CONTRACTOR. The successful bidder shall show proof of liability insurance, equipment/vehicle insurance, and a current worker's compensation insurance policy in amounts as described below and where applicable shall name the LOCAL MUNICIPALITY as an additional insured.

- A. The DEMOLITION CONTRACTOR shall perform the WORK in a professional, efficient, orderly and workman like manner.
- B. The DEMOLITION CONTRACTOR must make application for all required permits, pay all required fees and provide for all sureties, insurances and bonds as required by all regulating agencies.

- C. The DEMOLITION CONTRACTOR shall name the Charter Township of Van Buren, Wayne County, MI its elected officials, employees, agent's members of boards and commissioners as an additional insured. This insurance is to be maintained during the term of the work and shall not be canceled without 30 days prior written notice to the LOCAL MUNICIPALITY. Further if the insurance is canceled the Demolition Contractor must obtain replacement insurance prior to the termination of the prior insurance.
- D. The DEMOLITION CONTRACTOR shall maintain liability insurance, equipment/vehicle insurance, and a current worker's compensation insurance policy in amounts as described below. This insurance is to be maintained during the term of the work. Further if the insurance is canceled the Demolition Contractor must obtain replacement insurance prior to the termination of the prior insurance.
- E. PROOF of proper and safe disposal of materials shall be provided.
- F. All excavations to be filled are to be done so with clean soil acceptable to the Township. Placed fill shall be compacted to such an extent to minimize settling. The DEMOLITION CONTRACTOR shall be responsible for any earth settling in the areas of backfill and grading for a period not to exceed 1 year from the time of acceptance by the Township.
- G. Any and all trees and vegetation not to be removed shall be protected from damage. Any and all trees and vegetation that must be removed to perform the WORK shall be identified and approved for removal by the Township Building Inspector / Code Official.
- H. The DEMOLITION CONTRACTOR shall obtain all utility releases and disconnects from the appropriate agencies / public utilities. PROOF of utility releases must be submitted to the Building Inspector / Code Official prior to the start of demolition.
- I. All final earth grading shall be performed and finished to match surrounding grades so as to not cause stormwater drainage / flooding issues.
- J. No borrow pits, on-site burial of debris and material or burning shall be permitted.
- K. The DEMOLITION CONTRACTOR shall prior to beginning the WORK post a performance bond in favor of the Township in an amount equal to 100% of the value of the WORK.
- L. The DEMOLITION CONTRACTOR shall provide an accepted schedule of WORK. The Building Inspector / Code Official shall review and approve the schedule. Unless previously authorized by an approved change order, liquidated damages in an amount of \$50.00/day shall be levied against the DEMOLITION

CONTRACTOR for failure to start within 10 days of the agreed start date and / or for failure to complete within 5 days of the agreed upon completion date.

- M. Any and all questions, conflicts and other contractual matters shall first be brought to the attention of the Building Inspector / Code Official. The Building Inspector / Code Official shall then take appropriate action, which may include reviewing the matter(s) with their supervisor for resolution.

APPENDIX B: ASBESTOS SURVEY

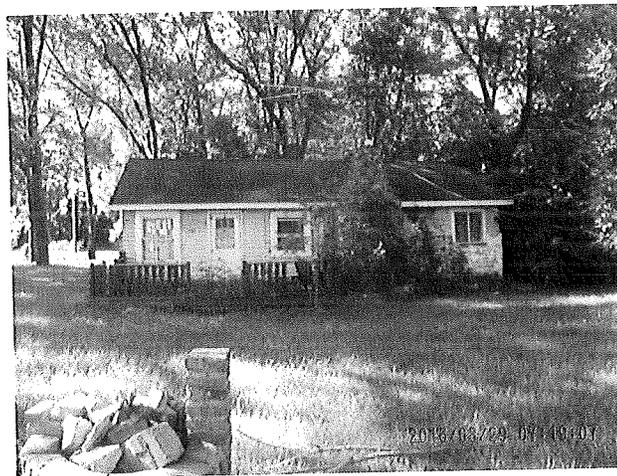
PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Charter Township of Van Buren
46425 Tyler Road
Van Buren Township, MI 48111

Parcel:	83105990022000
House No:	1050 Savage Road, Belleville, MI 48111
Date Inspected:	8/29/2016
Inspected By:	Andre Richardson
Inspectors State Card #	A-45125

Building Information			
No. Stories	1 + Attic	Shed	Detached
Square Footage	800 SF	Shed Square Footage	100 SF
Basement Square Footage	No Basement	Shed Siding	Wood
Siding	Wood	Shed Color	Blue
Color	Yellow	Shed Shingles	Asphalt Shingles
Roof Shingles	Asphalt Shingles	Electric (Gone)	Connected
Asbestos present	No	Gas (Gone)	Connected
Inaccessible areas			



38900 West Huron River Drive, Romulus, MI 48174
PHONE: (734) 955-6600 FAX: (734) 955-6604
WEBSITE: www.2etc.com

ETC Job #: 182077

Pre-Demolition Environmental Inspection Summary Report

Parcel: 83105990022000
House No. 1050 Savage Road, Belleville, MI 48111
Date Inspected: 8/29/2016

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
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None observed above household quantities		
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TIRE(S) REPORT

Material	Quantity & Units	Location
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None observed above household quantities		
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Any materials and other items banned from landfill disposal, identified during demolition, should be properly removed and disposed of in accordance with applicable regulations.

Pre-Demolition Environmental Inspection Summary Report

Parcel: 83105990022000
 House No. 1050 Savage Road, Belleville, MI 48111
 Date Inspected: 8/29/2016

TABLE 2
SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Drywall, White	Rooms 1-7	3,500 SF	No
2	F	Mud, White	Rooms 1-7	3,500 SF	No
3	F	Tape, White	Rooms 1-7	3,500 SF	No
4	F	Ceiling Tile, 12x24, White Drop Ceiling	Rooms 3,4,6	600 SF	No
5	NF	Window & Door Caulk, Gray	9 Home Windows & Doors	13 Windows & Doors	No
6	F	Window Glazing, White	Rooms 1-7	3 Windows	No
7	F	Floor Tile, 9x9, White	Rooms 1-7	400 SF	No
8	NF	Floor Tile, 12x12, Red	Room 6	250 SF	No
9	NF	Mastic, Glue Brown Under Material 8	Room 6	250 SF	No
10	NF	Floor Tile, 12x12, Tan	Room 2	200 SF	No
11	NF	Roof Shingles, Black	9 Home Roof	800 SF	No
12	NF	Roof Shingles, Black Under Material 11	9 Home Roof	800 SF	No
13	F	Roof Felt Paper, Black Under Material 12	9 Home Roof	800 SF	No
14	NF	Roof Shingles, Black	11 Shed Roof	100 SF	No
15	NF	Roof Shingles, Black Under Material 14	11 Shed Roof	100 SF	No
16	F	Roof Felt Paper, Black Under Material 15	11 Shed Roof	100 SF	No
17	NF	Concrete Foundation, Gray	Rooms 1-10	800 SF	No

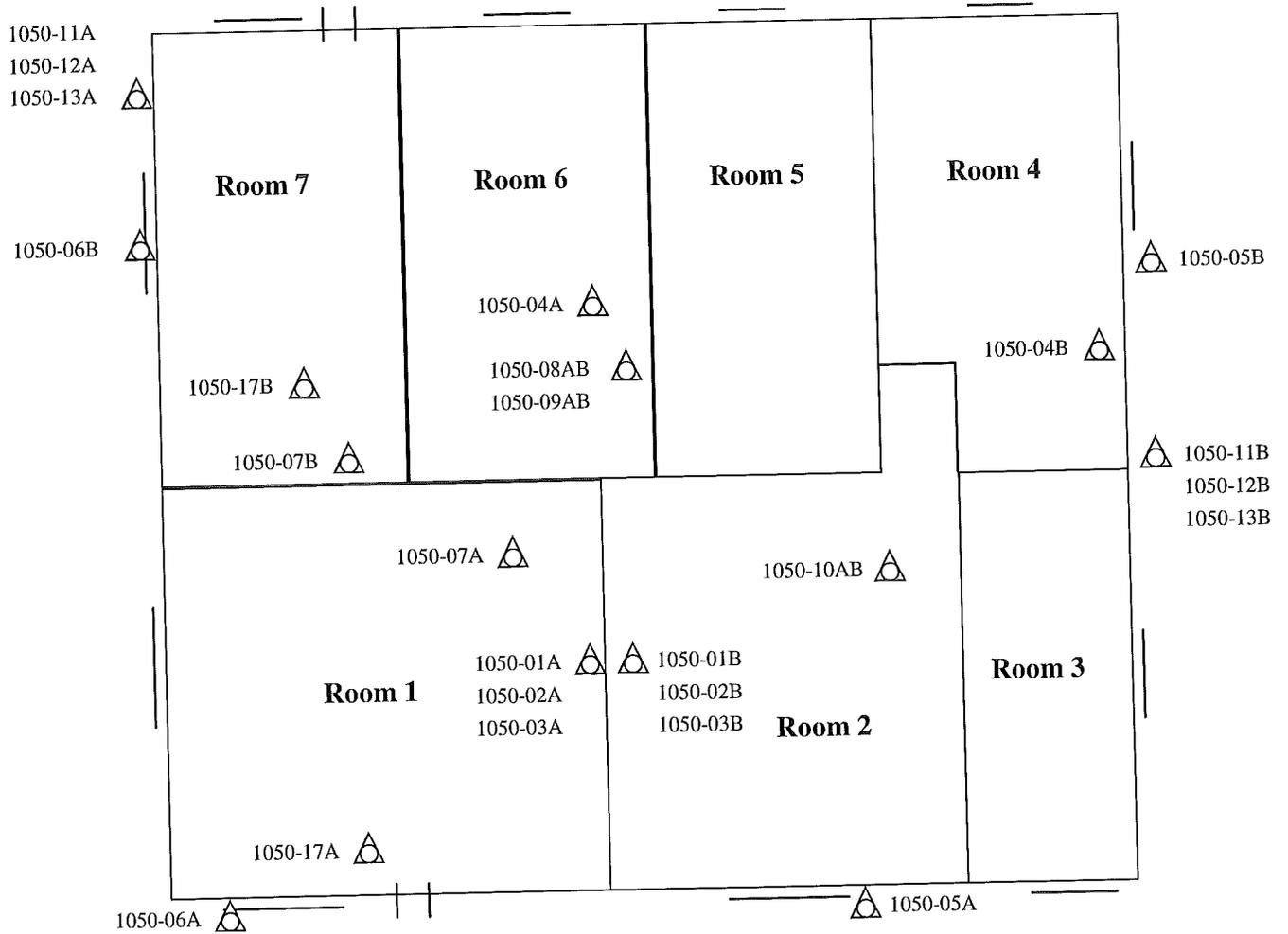
Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing

1st floor

83105990022000
1050 Savage Road, Belleville, MI 48111
8/29/2016



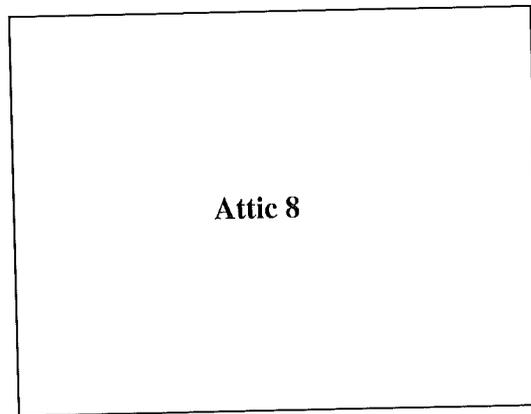
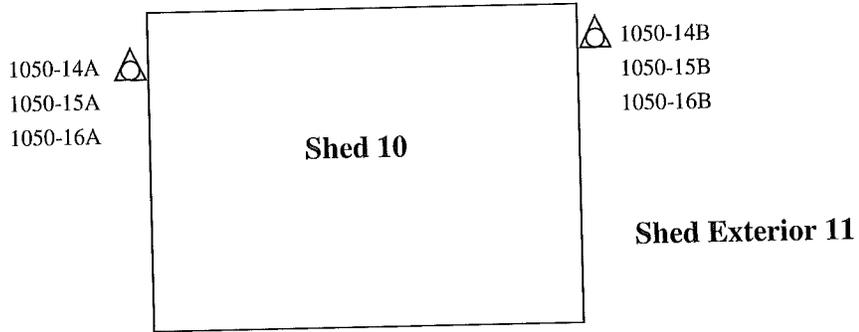
- HAZ Hazardous materials
-  Sample Location
-  Tires
-  Tree to be removed

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.

Charter Township of Van Buren
182077

Shed & Attic

83105990022000
1050 Savage Road, Belleville, MI 48111
8/29/2016



- HAZ Hazardous materials
-  Sample Location
-  Tires
-  Tree to be removed

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.

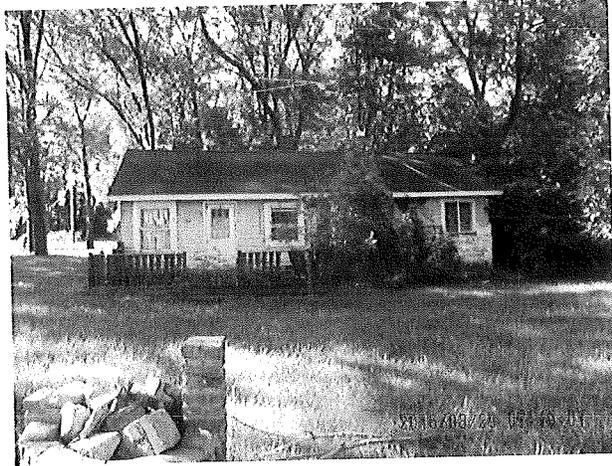
Charter Township of Van Buren
182077

Attachment:

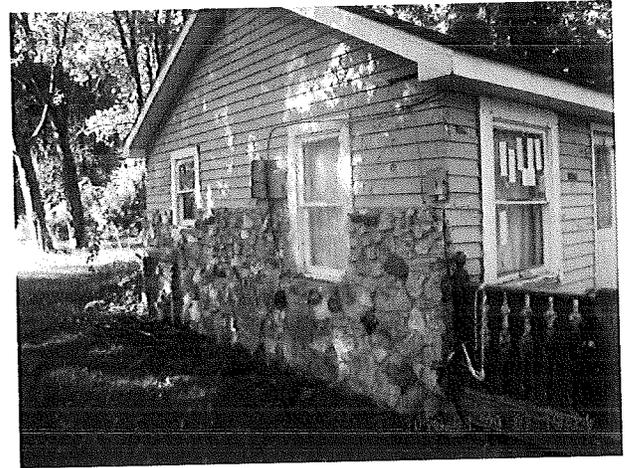
Site Photographs

Representative Pictures of House/Property

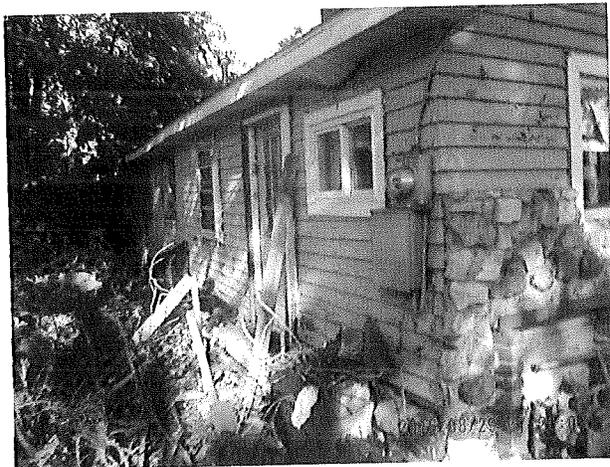
Parcel:	83105990022000
House No.	1050 Savage Road, Belleville, MI 48111
Date Inspected:	8/29/2016



Front of house/property



Side #1 of house/property



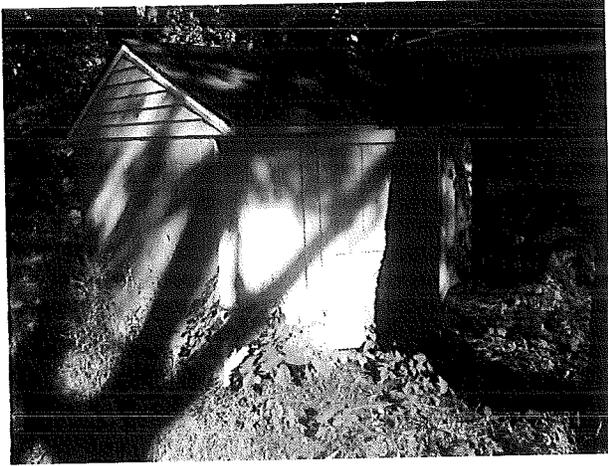
Back of house/property



Side #2 of house/property

Representative Pictures of House/Property

Parcel:	83105990022000
House No.	1050 Savage Road, Belleville, MI 48111
Date Inspected:	8/29/2016



Shed

Attachment:

Laboratory Analytical Results

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

Project Location : Vacant Residence
1050 Savage Road, Belleville, MI 48111

Attention : Pat Ashley EXT 9217

Client Project : N/A

ETC Job : 182077
Report Date : 9/6/2016

Login #	Sample ID	Work Requested	Completed
438179	01A	Asbestos Analysis	09/06/2016
438180	01B	Asbestos Analysis	09/06/2016
438181	02A	Asbestos Analysis	09/06/2016
438182	02B	Asbestos Analysis	09/06/2016
438183	03A	Asbestos Analysis	09/06/2016
438184	03B	Asbestos Analysis	09/06/2016
438185	04A	Asbestos Analysis	09/06/2016
438186	04B	Asbestos Analysis	09/06/2016
438187	05A	Asbestos Analysis	09/06/2016
438188	05B	Asbestos Analysis	09/06/2016
438189	06A	Asbestos Analysis	09/06/2016
438190	06B	Asbestos Analysis	09/06/2016
438191	07A	Asbestos Analysis	09/06/2016
438192	07B	Asbestos Analysis	09/06/2016
438193	08A	Asbestos Analysis	09/06/2016
438194	08B	Asbestos Analysis	09/06/2016
438195	09A	Asbestos Analysis	09/06/2016
438196	09B	Asbestos Analysis	09/06/2016
438197	10A	Asbestos Analysis	09/06/2016
438198	10B	Asbestos Analysis	09/06/2016

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Login #	Sample ID	Work Requested	Completed
438199	11A	Asbestos Analysis	09/06/2016
438200	11B	Asbestos Analysis	09/06/2016
438201	12A	Asbestos Analysis	09/06/2016
438202	12B	Asbestos Analysis	09/06/2016
438203	13A	Asbestos Analysis	09/06/2016
438204	13B	Asbestos Analysis	09/06/2016
438205	14A	Asbestos Analysis	09/06/2016
438206	14B	Asbestos Analysis	09/06/2016
438207	15A	Asbestos Analysis	09/06/2016
438208	15B	Asbestos Analysis	09/06/2016
438209	16A	Asbestos Analysis	09/06/2016
438210	16B	Asbestos Analysis	09/06/2016
438211	17A	Asbestos Analysis	09/06/2016
438212	17B	Asbestos Analysis	09/06/2016

Reviewed by:



Quality Assurance Coordinator



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
1050 Savage Road, Belleville, MI 48111

ETC Job : 182077
Client Project : N/A
Date Collected : 08/29/2016
Date Received : 08/30/2016
Date Analyzed : 09/06/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
438179 01A Rm 1 Analyst: Dave Cousino	Drywall	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438180 01B Rm 2 Analyst: Dave Cousino	Drywall	White Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
438181 02A Rm 1 Analyst: Dave Cousino	Mud	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438182 02B Rm 2 Analyst: Dave Cousino	Mud	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438183 03A Rm 1 Analyst: Dave Cousino	Tape	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
438184 03B Rm 2 Analyst: Dave Cousino	Tape	White Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
438185 04A Rm 6 Analyst: Dave Cousino	12x24 Drop Ceiling Tile	White Fibrous Homogenous	40% Fiberglass 50% Cellulose	10% Other	None Detected

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NVLAP LAB CODE 201025-0

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
1050 Savage Road, Belleville, MI 48111

ETC Job : 182077
Client Project : N/A
Date Collected : 08/29/2016
Date Received : 08/30/2016
Date Analyzed : 09/06/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
438186 04B Rm 4 Analyst: Dave Cousino	12x24 Drop Ceiling Tile	White Fibrous Homogenous	50% Cellulose 30% Fiberglass	20% Other	None Detected
438187 05A Rm 9 Analyst: Dave Cousino	Window & Door Caulk	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438188 05B Rm 9 Analyst: Dave Cousino	Window & Door Caulk	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
438189 06A Rm 1 Analyst: Dave Cousino	Window Glazing	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438190 06B Rm 7 Analyst: Dave Cousino	Window Glazing	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438191 07A Rm 1 Analyst: Dave Cousino	9x9 Floor Tile	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438192 07B Rm 7 Analyst: Dave Cousino	9x9 Floor Tile	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected

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NVLAP LAB CODE 211024-0

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
1050 Savage Road, Belleville, MI 48111

ETC Job : 182077
Client Project : N/A
Date Collected : 08/29/2016
Date Received : 08/30/2016
Date Analyzed : 09/06/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
438193 08A Rm 6 Analyst: Dave Cousino	12x12 Floor Tile	Red Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438194 08B Rm 6 Analyst: Dave Cousino	12x12 Floor Tile	Red Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438195 09A Rm 6 Analyst: Dave Cousino	Mastic (under mat 08)	Brown Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected
438196 09B Rm 6 Analyst: Dave Cousino	Mastic (under mat 08)	Brown Non-Fibrous Homogenous	6% Cellulose	94% Other	None Detected
438197 10A Rm 2 Analyst: Dave Cousino	12x12 Floor Tile	Tan Fibrous Homogenous	2% Cellulose	98% Other	None Detected
438198 10B Rm 2 Analyst: Dave Cousino	12x12 Floor Tile	Tan Fibrous Homogenous	1% Cellulose	99% Other	None Detected
438199 11A Rm 9 Analyst: Dave Cousino	Roof Shingle	Black Non-Fibrous Homogenous	1% Cellulose 15% Fiberglass	84% Other	None Detected

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NVLAP LAB CODE 291626-01

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
1050 Savage Road, Belleville, MI 48111

ETC Job : 182077
Client Project : N/A
Date Collected : 08/29/2016
Date Received : 08/30/2016
Date Analyzed : 09/06/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
438200 11B Rm 9 Analyst: Dave Cousino	Roof Shingle	Black Non-Fibrous Homogenous	2% Cellulose 10% Fiberglass	88% Other	None Detected
438201 12A Rm 9 Analyst: Dave Cousino	Roof Shingle (under mat 11)	Black Non-Fibrous Homogenous	2% Cellulose 12% Fiberglass	86% Other	None Detected
438202 12B Rm 9 Analyst: Dave Cousino	Roof Shingle (under mat 11)	Black Non-Fibrous Homogenous	2% Cellulose 10% Fiberglass	88% Other	None Detected
438203 13A Rm 9 Analyst: Dave Cousino	Roof Felt Paper(under mat 12)	Black Non-Fibrous Homogenous	20% Cellulose	80% Other	None Detected
438204 13B Rm 9 Analyst: Dave Cousino	Roof Felt Paper(under mat 12)	Black Non-Fibrous Homogenous	30% Cellulose	70% Other	None Detected
438205 14A Rm 11 Analyst: Dave Cousino	Roof Shingle	Black Non-Fibrous Homogenous	1% Cellulose 5% Fiberglass	94% Other	None Detected
438206 14B Rm 11 Analyst: Dave Cousino	Roof Shingle	Black Non-Fibrous Homogenous	2% Cellulose 3% Fiberglass	95% Other	None Detected

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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
1050 Savage Road, Belleville, MI 48111

ETC Job : 182077
Client Project : N/A
Date Collected : 08/29/2016
Date Received : 08/30/2016
Date Analyzed : 09/06/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
438207 15A Rm 11 Analyst: Dave Cousino	Roof Shingle (under mat 14)	Black Non-Fibrous Homogenous	30% Cellulose	70% Other	None Detected
438208 15B Rm 11 Analyst: Dave Cousino	Roof Shingle (under mat 14)	Black Non-Fibrous Homogenous	40% Cellulose	60% Other	None Detected
438209 16A Rm 11 Analyst: Dave Cousino	Roof Felt Paper (under mat 15)	Black Fibrous Homogenous	20% Cellulose	80% Other	None Detected
438210 16B Rm 11 Analyst: Dave Cousino	Roof Felt Paper (under mat 15)	Black Fibrous Homogenous	25% Cellulose	75% Other	None Detected
438211 17A Rm 1 Analyst: Dave Cousino	Concrete Foundation	Grey Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
438212 17B Rm 7 Analyst: Dave Cousino	Concrete Foundation	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected

Natalie Barnes

Lab Supervisor/Other Signatory

Dave Cousino

Analyst: Dave Cousino

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Certificate of Analysis

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Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1050 Savage Road, Belleville, MI 48111

ETC Job : 182077
Client Project : N/A
Date Collected : 08/29/2016
Date Received : 08/30/2016
Date Analyzed : 09/06/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
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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

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Asbestos Material Sampling Summary Sheet
Miscellaneous materials

Revision date 5/7/2015

Job #:	182077	Building:	1050 Savage Rd Beverly MA	Date:	8-29-16		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
1	Material: Drywall Description: white	F	A B	1 2	438179 438180	3500 1546	33
2	Material: mud Description: white	F	A B	↓	438181 438182	↓	↓
3	Material: Tape Description: white	F	A B	↓	438183 438184	↓	↓
4	Material: Ceiling Tile Description: white Drop ceiling	F	A B	6 4	438185 438186	600 576	31
5	Material: Window Description: window & base coat	NF	A B	9 ↓	438187 438188	9 Home side windows 6 rooms	29
6	Material: Window Description: window & base coat	F	A B	1 7	438189 438190	187 3 windows	38
7	Material: Floor Description: floor tile	F	A B	1 7	438191 438192	17 400 196	30
8	Material: Floor Description: floor tile	NF	A B	6 ↓	438193 438194	250 356	32
9	Material: Masonry Description: masonry like brown under	NF	A B	↓	438195 438196	↓	↓
10	Material: Floor Description: floor tile	NF	A B	2 ↓	438197 438198	200 156	34

Asbestos Material Sampling Summary Sheet
Miscellaneous materials

Revision date 5/7/2015

Job #:	182077		Building:	1050 Savage Rd. Belleville, MI		Date:	8-29-16	
Material no.	Material Description	Friable (F)/ Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #	
11	Material: Roof shingle	NF	A	9	9 Hwy Roof	800 sqft	28	
	Description: Black		B	438199 438200				
12	Material: Roof shingle	NF	A		↓	↓	↓	
	Description: under 11		B	438201 438202 438203				
13	Material: Roof Paper	F	A		↓	↓	↓	
	Description: under 12		B	438204				
14	Material: Roof shingle	NF	A	11	11 Shed Roof	100 sqft	↓	
	Description: Black		B	438205 438206				
15	Material: Roof shingle	NF	A		↓	↓	↓	
	Description: under 14		B	438207 438208				
16	Material: Roof Paper	F	A		↓	↓	↓	
	Description: under 15		B	438209 438210				
17	Material: Concrete Foundation	NF	A	1	1-10	800 sqft	36	
	Description: Gray		B	9				438211 438212
	Material: Description							
	Material: Description							
	Material: Description							
	Material: Description							

Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs**.

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials 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.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2**. A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing**.

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in **Attachment: Laboratory Analytical Results**.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

Prepared by: _____



Andre Richardson, Michigan Certified Asbestos Inspector (s)
Michigan Accreditation Number (s) A-45125