

ASBESTOS INSPECTION

Fred's Transmission & Clutch
507 W. Western Avenue
South Bend, Indiana 46601



Prepared For:

The City of South Bend
227 W. Jefferson Blvd.
South Bend, IN 46601

Prepared By:



Wightman Petrie, Inc.
412 S. Lafayette Blvd.
South Bend, IN 46601

Phone: (574) 232-4388
Fax: (574) 232-4333

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Asbestos Inspection Report

for

The City of South Bend

1.0 Executive Summary

Wightman Petrie (WP) performed an asbestos building inspection on the former Fred's Transmission & Clutch building located at 507 W. Western Avenue, South Bend, Indiana 46601. The City of South Bend indicated to WP that the building was planned for demolition.

The eastern half of the building was approximately 4,360 square feet in size; the exterior walls were composed of concrete blocks, and the floor was also concrete. The majority of the ground floor was comprised of one (1) large room; in addition, there was a reception/office area at the southern end of the building, and a bathroom and another small room at the northern end. There was also a basement beneath the entire eastern portion of the building. There was one (1) overhead door on the eastern side of the building, as well as two (2) overhead doors in the large room which led to the western half of the building. The western half of the building was a garage approximately 2,250 square feet in size with overhead doors on the northern and southern sides. The eastern portion of the building had a lower "drop" ceiling. The WP inspector accessed the area above the lower ceiling and saw only wood trusses, unwrapped ventilation ducts and some black foam pipe wrap. WP did not observe any suspected ACM above the lower ceiling.

The building was unoccupied at the time of the inspection and was mostly empty. There was miscellaneous, scattered debris including light fixtures, a full trash can in the bathroom, stacks of ceiling tile and shingles in the basement, and wooden shelving and boards in the basement.

WP performed the asbestos inspection on 507 W. Western Avenue with the intent that the structure was planned for demolition. WP investigated and submitted samples of materials that WP's licensed inspector suspected of containing asbestos. The laboratory analysis revealed that asbestos containing materials (ACMs) were present in the building in the form of brown floor tile mastic found in the entryway and south stairwell and black floor tile mastic found in the bathroom and northeast room. Because the brown floor tile found in the entryway and the south stairwell appeared to be the same material, WPI assumed that it was also present under the floors in the southwest and southeast rooms. WPI calculated there to be approximately 115 ft² of black floor tile mastic and 800 ft² of brown floor tile mastic. In addition, the roofing materials were assumed to contain asbestos. Both the floor tile mastic and the roofing materials qualify as Category I – non-friable ACM and may be left in place during demolition as long as the demolition activities do not make the material friable, and no sanding, grinding, abrading or waste compaction occurs. However, if the contractor wishes to recycle the concrete under the floor tile, the floor tile mastic will need to be removed prior to demolition activities by a licensed asbestos contractor in the State of Indiana. The disposal of all construction materials must be done in a certified landfill.

The demolition of the building at 507 W. Western Avenue will meet the requirements of notification/demolition in accordance with the Indiana Department of Environmental Management (IDEM) and National Emissions Standards for Hazardous Air Pollutants (NESHAP). The demolition notice must be submitted ten (10) working days prior to the demolition activities. Waste shipment records shall be maintained by the generator, transporter and disposal facility and be made available for inspection by IDEM.

During demolition there is the possibility of finding suspected ACMs hidden within the structure that were not seen during the inspection. As a result, WP recommends that a licensed asbestos inspector revisit the site during the demolition to look for possible ACMs. Also, if during the demolition any heating, ventilation and air conditioning (HVAC) duct work is discovered to be wrapped, the demolition contractor shall immediately notify WP. Work will need to stop, and a licensed asbestos inspector will need to collect samples from any suspected ACMs not previously tested.

2.0 Introduction

WP received authorization from the City of South Bend to proceed with the asbestos inspection for the former Fred's Transmission & Clutch building located at 507 W. Western Avenue, South Bend, Indiana. WP first conducted a visual inspection to determine the homogenous areas, and then took bulk samples of the materials and sent them to ACM Engineering & Environmental Services, Inc. for analysis by Polarized Light Microscopy (PLM) methods to determine the asbestos content.

There were sixty (60) building material samples collected from the subject property by WP's State of Indiana licensed asbestos building inspectors; of these samples, thirty-seven (37) were submitted to an independent laboratory for analysis. The samples submitted for analysis represented all homogenous areas identified in the building. The samples not submitted were from homogenous areas for which other samples had been submitted for analysis; these extra samples were retained by WP should additional testing be necessary at a later date.

3.0 Methodology

The physical inspection of the property took place on June 7, 2010 by WP representatives Mr. Eric Zell and Ms. Maria Parmer, both of whom are licensed Asbestos Building Inspectors in the State of Indiana. A copy of the tested materials is attached as part of this report in Section 9.0.

In an effort to determine what ACMs existed, an extensive inspection procedure was followed. A visual inspection of the entire facility was followed with the collection of an appropriate number and distribution of bulk samples.

Determination of suspect ACMs was based on WP's visual inspection, bulk sample analysis, age of the material and professional experience. All bulk samples of friable materials were collected using wet methods and coring tools. All roofing materials were assumed positive for containing asbestos.

Based on the initial inspection, thirty-seven (37) suspect asbestos containing samples were collected and submitted for analysis to ACM Engineering & Environmental Services, Inc.

Samples were collected from the following materials:

- white fibrous ceiling material from the entryway
- drywall from the entryway, southwest room, southeast room, south stairwell, bathroom, main room, northeast room, north stairwell and basement
- red floor tile and mastic from the entryway
- brown floor tile and mastic from the entryway and south stairwell
- bright white ceiling tile from the entryway
- off-white ceiling tile from the entryway, southwest room, southeast room and main room
- black floor tile and mastic from the bathroom and northeast room
- troweled-on plaster from the basement beam
- stacked ceiling tiles from the basement
- mud from the north stairwell

All suspected ACMs observed at the time of the inspection are listed in the visual inspection forms. Information from the lab analysis is incorporated into the bulk sample log for ease in interpreting the report.

The information gathered from the collection and analysis of bulk samples by ACM Engineering & Environmental Services, Inc. is shown in Sections 9.0 and 10.0. The bulk sampling log and the lab analysis report give a description of each material, the location where it was collected, and analysis results.

4.0 Background Information on Asbestos

Exposure to airborne asbestos fibers has been known to cause a number of serious and/or fatal illnesses in humans. Because of this, ACMs are highly regulated by Federal, State and local agencies. These agencies have determined various limits of exposure which are acceptable (e.g. Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit of 0.1 fibers per cubic centimeter (f/cc) of air, Environmental Protection Agency (EPA) recommended clearance level of 0.01 f/cc).

5.0 Summary of Asbestos Conditions

The brown floor tile mastic located in the entryway and south stairwell and the black floor tile mastic located in the bathroom and northeast room were the only ACMs identified during the inspection. Because the brown floor tile found in the entryway and the south stairwell appeared to be the same material, WPI assumed that it was also present under the floors in the southwest and southeast rooms. WPI calculated there to be approximately 115 ft² of black floor tile mastic and 800 ft² of brown floor tile mastic. In addition, all roofing materials were assumed to be ACM. Both the floor tile mastic and the roofing materials qualify as Category I – non-friable ACM and may be left in place during demolition as long as the demolition activities do not make the material friable, and no sanding, grinding, abrading or waste compaction occurs. However, if the contractor wishes to recycle the concrete under the floor tile, the floor tile mastic will need to be removed prior to demolition activities by a

licensed asbestos contractor in the State of Indiana. Disposal of these materials must be done in a certified landfill.

The floor plan attached in Section 7.0 serves as a map of the ACM. The list in Section 9.0 shows where each sample was taken from and whether the material was determined to contain more than 1% asbestos.

6.0 Conclusions & Recommendations

The results of this asbestos building inspection indicated that ACMs were present in brown floor tile mastic found in the entryway and south stairwell and black floor tile mastic found in the bathroom and northeast room. Because the brown floor tile found in the entryway and the south stairwell appeared to be the same material, WPI assumed that it was also present under the floors in the southwest and southeast rooms. WPI calculated there to be approximately 115 ft² of black floor tile mastic and 800 ft² of brown floor tile mastic. In addition, the roofing materials were assumed to contain asbestos. Both the floor tile mastic and the roofing materials qualify as Category I – non-friable ACM and may be left in place during demolition as long as the demolition activities do not make the material friable, and no sanding, grinding, abrading or waste compaction occurs. However, if the contractor wishes to recycle the concrete under the floor tile, the floor tile mastic will need to be removed prior to demolition activities by a licensed asbestos contractor in the State of Indiana. Disposal of these materials must be done in a certified landfill.

The demolition of the building at 507 W. Western Avenue will meet the requirements of notification/demolition in accordance with IDEM and NESHAP. The demolition notice must be submitted ten (10) working days prior to the demolition activities. Waste shipment records shall be maintained by the generator, transporter and disposal facility and be made available for inspection by IDEM.

During demolition there is the possibility of finding suspected ACMs hidden within the structure that were not seen during the inspection. If this occurs, work will need to stop, and a licensed asbestos inspector will need to collect samples from any suspected ACMs not previously tested. WP recommends that a licensed asbestos inspector revisit the site during the demolition process to look for possible ACMs.

Please don't hesitate to contact me with any questions or comments. I may be reached by phone at (574) 232-4388, or via email at ezell@wightmanpetrie.com.

Sincerely,

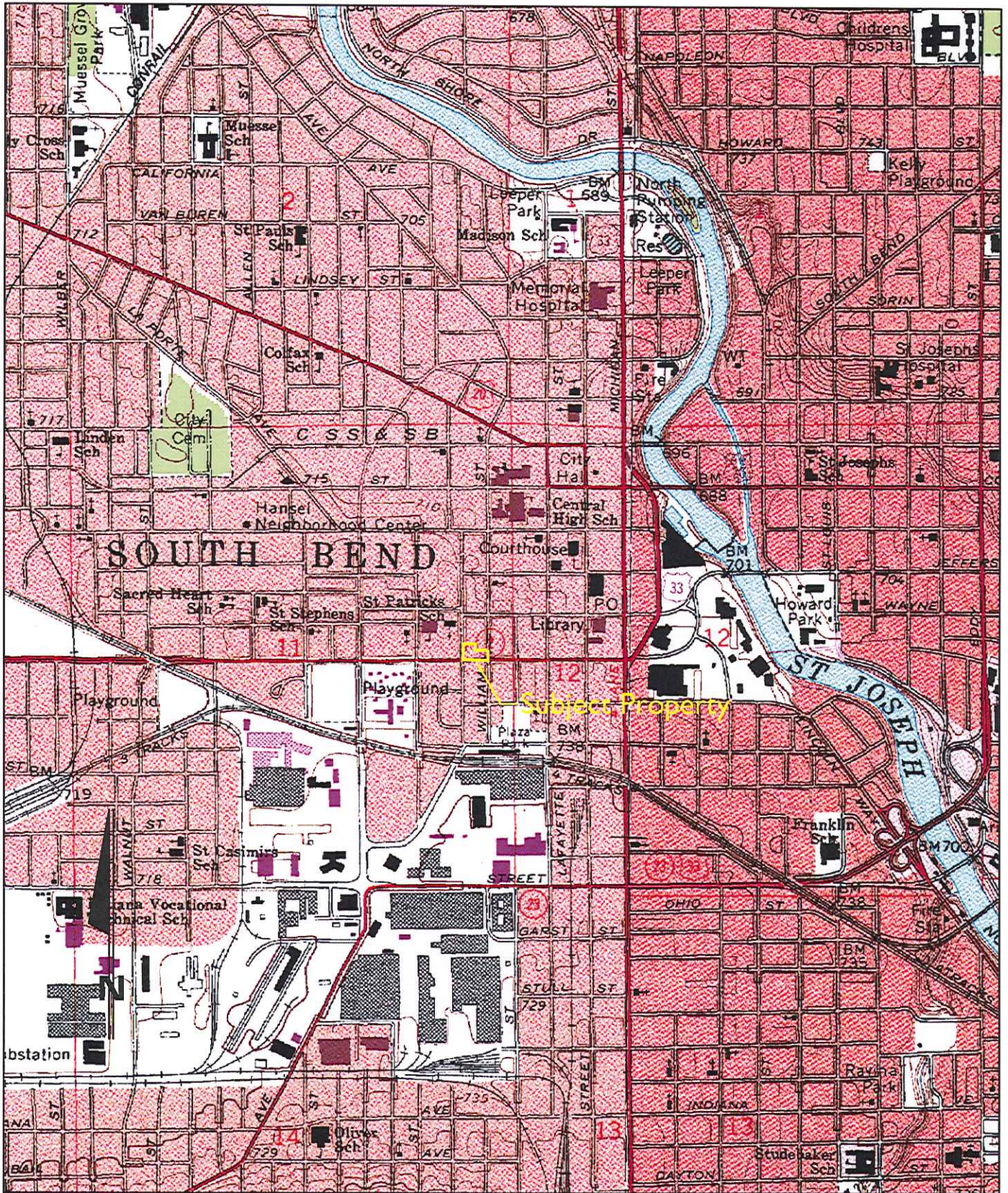


Eric Zell
Indiana Accredited Asbestos Inspector
License #193018087

Enclosures

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7.0 FIGURES




WIGHTMAN PETRIE
 SURVEYING ENGINEERING
 ENVIRONMENTAL
 LANDSCAPE ARCHITECTURE
 4703 Chester Drive
 Elkhart, IN 46516
 p: 574.293.7762
 f: 574.294.3717

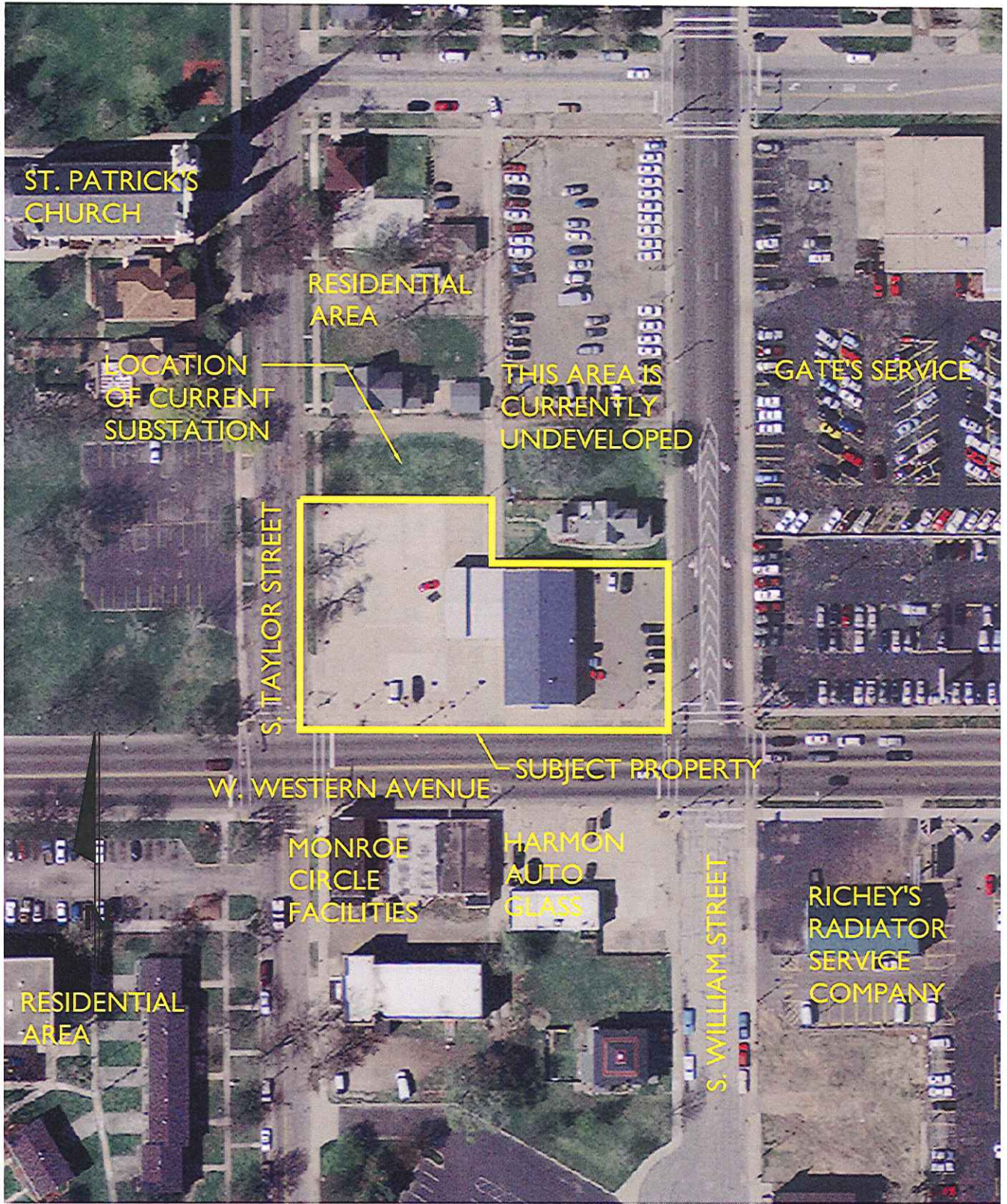
Fred's Transmission & Clutch
 507 W. Western Avenue
 South Bend, IN 46601

JOB NUMBER: 2010-5028

DATE: MAY 2010

SCALE: 1" = 1500'

FIGURE A1




WIGHTMAN PETRIE
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 LANDSCAPE ARCHITECTURE
 4703 Chester Drive
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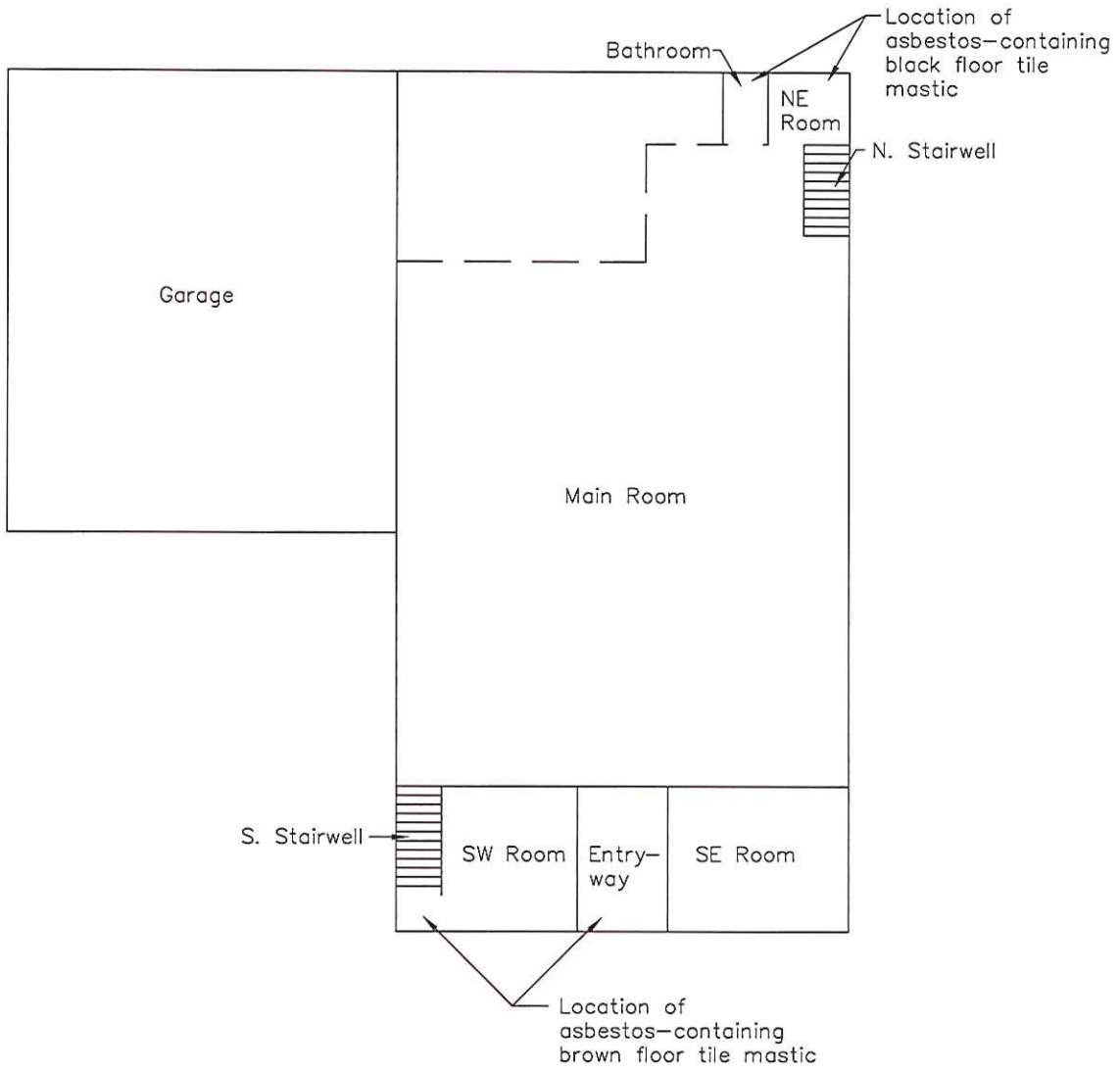
JOB NUMBER: 2010-5028

DATE: May 2010

SCALE: 1" = 100'

FIGURE A2

G:\2010 Projects\2010-5028\Asbestos\FLOOR PLAN.dwg, 6/16/2010 3:59:35 PM



SCALE = 10'

DRAWN BY:	DATE:
DK	6/10

FLOOR PLAN

Fred's Transmission & Clutch
 507 W. Western Avenue
 South Bend, IN 46601

WIGHTMAN PETRIE
 SURVEYING ENGINEERING
 ENVIRONMENTAL
 LANDSCAPE ARCHITECTURE
 412 South Lafayette Blvd.
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8.0 SITE PHOTOGRAPHS



East side of building



West side of building

G:\2010 Projects\2010-5028\Asbestos\Figure 1.DWG, 6/16/2010 3:53:59 PM


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DATE: June 2010

PICTURES TAKEN 5/12/10

FIGURE I



North side of building



Main room

G:\2010 Projects\2010-5028\Asbestos\Figure 2.DWG, 6/16/2010 3:33:30 PM



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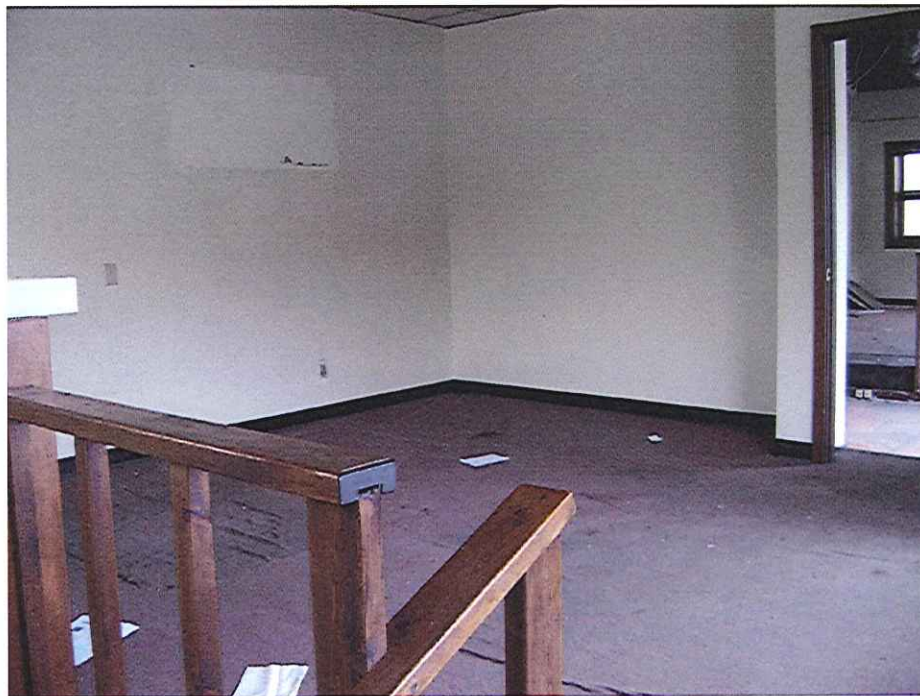
DATE: June 2010

PICTURES TAKEN 5/12/10

FIGURE 2



Southeast room



Southwest room

G:\2010 Projects\2010-5028\Asbestos\Figure 3.DWG, 6/16/2010 3:35:45 PM


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JOB NUMBER: 2010-5028

DATE: June 2010

PICTURES TAKEN 5/12/10

FIGURE 3



Brown floor tile and mastic (ACM) in south stairwell



Brown floor tile (under red floor tile) and mastic (ACM) in entryway

G:\2010 Projects\2010-5028\Asbestos\Figures\Figure 4.DWG, 6/29/2010 2:34:49 PM


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DATE: June 2010

PICTURES TAKEN 6/16/10

FIGURE 4



Black floor tile and mastic (ACM) in bathroom


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JOB NUMBER: 2010-5028

DATE: June 2010

PICTURES TAKEN 6/16/10

FIGURE 5



Black floor tile and mastic (ACM) in northeast room


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507 W. Western Avenue
South Bend, IN 46601

JOB NUMBER: 2010-5028

DATE: June 2010

PICTURES TAKEN 6/16/10

FIGURE 6

9.0 ANALYTICAL RESULTS

Sample ID	Sample Material	Sample Location	ACM (Y/N)
1	White Fibrous Ceiling Material	Entryway	ND
2	White Fibrous Ceiling Material	Entryway	ND
3	White Fibrous Ceiling Material	Entryway	ND
4	Drywall	Entryway	ND
7	Red Floor Tile	Entryway	ND
8	Red Floor Tile Mastic	Entryway	ND
9	Brown Floor Tile	Entryway	ND
10	Brown Floor Tile Mastic	Entryway	ND
11	Red Floor Tile	Entryway	ND
12	Red Floor Tile Mastic	Entryway	ND
13	Brown Floor Tile	Entryway	ND
14	Brown Floor Tile Mastic	Entryway	ND
19	Bright White Ceiling Tile	Entryway	ND
20	Off-White Ceiling Tile	Entryway	ND
21	Drywall	Southwest Room	ND
24	Off-White Ceiling Tile	Southwest Room	ND
25	Off-White Ceiling Tile	Southeast Room	ND
26	Drywall	Southeast Room	ND
28	Brown Floor Tile	South Stairwell	ND
29	Brown Floor Tile Mastic	South Stairwell	3% Chrysotile
32	Drywall	South Stairwell	ND
34	Drywall	Bathroom	ND
38	Black Floor Tile	Bathroom	ND
39	Black Floor Tile Mastic	Bathroom	2% Chrysotile
42	Black Floor Tile	Northeast Room	ND
43	Black Floor Tile Mastic	Northeast Room	2% Chrysotile
46	Drywall	Main Room	ND
40	Drywall	Northeast Room	ND
48	Drywall	North Stairwell	ND
49	Drywall	Basement	ND
50	Troweled-on Plaster	Basement Beam	ND
51	Troweled-on Plaster	Basement Beam	ND
53	Stacked Ceiling Tiles	Basement	ND
55	Mud	North Stairwell	ND
57	Mud	North Stairwell	ND
58	Off-White Ceiling Tile	Main Room	ND
60	Off-White Ceiling Tile	Main Room	ND

Notes:

There were approximately 115 ft² of black floor tile mastic in the bathroom and northeast room.

Because the brown floor tile found in the entryway and south stairwell appeared to be the same material, WPI assumed that it was present under the floors in the southwest and southeast rooms as well. Using that assumption, WPI calculated there to be approximately 800 ft² of brown floor tile mastic.

**ANALYSIS OF SUSPECT ASBESTOS CONTAINING
BUILDING MATERIALS**

FOR:

**WIGHTMAN PETRIE, INC.
412 S. LAFAYETTE BLVD.
SOUTH BEND, IN 46601**

LOCATION:

**FRED'S TRANSMISSION & CLUTCH
507 W. WESTERN AVE.**

**ACM ENGINEERING & ENVIRONMENTAL SERVICES
PROJECT#: 16749**

DATE OF REPORT:

JUNE 8, 2010

PREPARED BY:

**ACM ENGINEERING & ENVIRONMENTAL SERVICES
26598 U.S. 20 WEST
SOUTH BEND, IN 46628**

NVLAP LAB CODE: 101977

INTRODUCTION:

In June 2010, ACM Engineering & Environmental Services received bulk samples of suspect asbestos containing building material from Wightman Petrie, Inc. These are to be analyzed by ACM Engineering & Environmental Services for possible asbestos content.

THE REPORT:

The attached report quantifies the fibrous materials found in each sample submitted for analysis. A complete fibrous analysis of samples is given for each sample followed by a breakdown analysis of any sub-samples for heterogeneous material.

The first column is the client sample identification.

The second column is the laboratory sample number. The laboratory number for the overall sample analysis is a digit number. The laboratory number followed by a letter designation (A,B,C. etc.) indicates a sub-sample analysis.

The third column is the sample identification, which indicates whether the sample is homogeneous or heterogeneous, the color of the sample, and the physical description (cementitious, fibrous, cloth, etc.)

The fourth column indicates the types and percentages of asbestos identified in the sample or sub-sample.

The fifth column indicates the types and percentages of non-asbestos identified in the sample or sub-sample.

The sixth column indicates the types and percentages of non-asbestos, non-fibrous material in the sample or sub-sample.

The seventh column indicates the types and percentages of non-asbestos fibrous material in the sample or sub-sample. Fibrous material will not necessarily total 100% of the sample.

There will be dashes (----) in each column when nothing is detected.

METHOD:

All analyses and quantifications are performed in accordance with the U.S. Environmental Protection Agency's "Method for the Determination of Asbestos in Bulk Building Materials", EPA/600/R-93/116.

The method utilizes stereoscopical examination of the bulk samples, as well as utilizing the polarized light microscope and the central stop dispersion staining method.

If applicable, please be advised that the Stereo Scope/PLM methods have limitations regarding floor tile analysis for asbestos content. Historically, the production of floor tile has included the grinding of asbestos into submicroscopic portions. Therefore, this method of analysis may produce incorrect results for tests of floor tile which produce negative finding for asbestos.

PAGE 2

Gross samples are examined under a 10X or 20X stereoscope where homogeneity (need for sub-samples), texture and /or any other distinguishing characteristics are determined.

Sub-samples are prepared if needed. Any fibrous material is mounted in high dispersion oil for further microscope examination utilizing polarized light microscopy. Any possible asbestos fibers are analyzed for morphology, color and pleochroism, index of refraction parallel and perpendicular to elongation, birefringence, extinction characteristic and sign of elongation, and any other distinguishing characteristics observed.

To determine the refractive index, the central stop dispersion staining method is used, as well as matching with refractive index oil and using light matching the sodium D line wavelength. Identification of non-asbestos species is less rigorous, as they are of secondary interest.

The percentage of asbestos and other fibrous materials are then determined according to sample area coverage and thickness. The limit of qualification is one percent (1%). The above is recorded on the laboratory analysis sheet and maintained for three years.

The error involved for reported percentages of fibrous is 100% error for 1% to 5%, 50% error for 5% to 20%, and 25% error for 20% to 100%. All percentages will be reported in a range indicating error or a single value, in which case the above error should be applied. When the value 1% or greater is reported this indicates asbestos is present in the sample.

ASBESTOS CHARACTERIZATION:

The features of the various forms of asbestos are as follows:

CHRYBOTILE: Thin fibers and fiber bundles with both straight and wavy sections. The ends of bundles tend to be frayed. Sign of elongation is positive, refractive indices are 1.493-1.560 (alpha) and 1.668-1.717 (gamma), and birefringence of 0.009-0.016. It is commonly referred to as white asbestos.

AMOSITE: Straight thin single fibers and bundles of such fibers usually with cleanly broken ends on individual fibers, positive sign of elongation, refractive indices of 1.653-1.696 (alpha) and 1.655-1.729 (gamma), and birefringence of 0.020-0.033. Fibers exhibit parallel extinction.

CROCIDOLITE: Similar in morphology to amosite, but is distinguished by negative sign of elongation, blue to blue-green pleochroic coloration, refractive indices of 1.654-1.701 (alpha) and 1.668-1.717 (gamma), and birefringence of 0.009-0.016. It is commonly referred to as blue asbestos.

ANTHOPHYLITE: Similar in morphology to amosite, but has refractive indices of 1.596-1.652 (alpha) and 1.615-1.676 (gamma), anthophylite fibers show parallel extinction and positive sign of elongation.

PAGE 3

TREMOLITE/ACTINOLITE SERIES:

Transparent, elongated furrowed prisms, usually with uneven, jagged ends and smooth sides, with oblique (0-20 degree) to parallel extinction and positive elongation; refractive indices are 1.599-1.668 (alpha) and 1.622-1.688 (gamma) and birefringence is 0.020-0.028.

SAMPLE RETENTION:

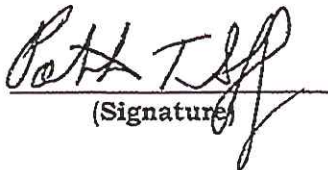
Samples will be retained for 6 months unless otherwise instructed. After this period, the sample(s) will be disposed of appropriately. Upon written request, the samples will be returned by mail or delivery for a nominal fee to cover postage and handling. There would be no charge for samples picked-up at ACM Engineering & Environmental Services.

DISCUSSION AND RECOMMENDATIONS:

In order to reduce the risk of introducing asbestos fibers into the air, care should be taken not to disturb the asbestos containing building materials. If renovation, demolition or other activities might disturb known asbestos containing building materials, a reputable asbestos consultant should be contacted to help effectively design and implement an asbestos management program.

Report prepared by:

Patrick T. Griffin


(Signature)

ACM Engineering & Environmental Services
President/CEO

Analysis of Suspect Asbestos Containing Building Materials

CLIENT: WIGHTMAN PETRIE, INC
412 S LAFAYETTE BLVD
SOUTH BEND, IN 46601

ANALYTICAL METHOD: EPA/600/R-93/116

NVLAP LAB CODE #: 101977

CLIENT PROJECT: FRED'S TRANSMISSION & CLUTCH MATRIX: BULK

DATE OF SAMPLE: 06/07/10

DATE OF ANALYSIS: 06/08/10

SAMPLE SITE: 507 W WESTERN AVE

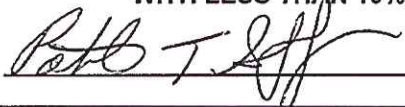
ACM PROJECT #: 16749

CLIENT SAMPLE NUMBER	LAB SAMPLE NUMBER	SAMPLE IDENTIFICATION	ASBEST	CELL	NON FIB NON ACBM	FIB NON ACBM
1	1005437	WHITE FIBROUS CEILING MATERIAL	-----	89%	11%	-----
2	1005438	WHITE FIBROUS CEILING MATERIAL	-----	94%	6%	-----
3	1005439	WHITE FIBROUS CEILING MATERIAL	-----	93%	7%	-----
4	1005440	DRYWALL	-----	23%	77%	-----
7	1005441	RED FLOOR TILE	-----	-----	100%	-----
8	1005442	RED FLOOR TILE MASTIC	-----	2%	98%	-----
9	1005443	BROWN FLOOR TILE	-----	-----	97%	3% O
10	1005444	BROWN FLOOR TILE MASTIC	-----	3%	97%	-----
11	1005445	RED FLOOR TILE	-----	-----	100%	-----
12	1005446	RED FLOOR TILE MASTIC	-----	3%	97%	-----
13	1005447	BROWN FLOOR TILE	-----	-----	95%	5% O
14	1005448	BROWN FLOOR TILE MASTIC	-----	6%	94%	-----
19	1005449	BRIGHT WHITE CEILING TILE	-----	89%	-----	11% G
20	1005450	OFF-WHITE CEILING TILE	-----	93%	-----	7% G
21	1005451	DRYWALL	-----	38%	50%	12% G
24	1005452	OFF-WHITE CEILING TILE	-----	91%	-----	9% G
25	1005453	OFF-WHITE CEILING TILE	-----	91%	-----	9% G
26	1005454	DRYWALL	-----	18%	74%	8% G
28	1005455	BROWN FLOOR TILE	-----	-----	96%	4% O
29	1005456	BROWN FLOOR TILE MASTIC	3% C	6%	91%	-----
32	1005457	DRYWALL	-----	27%	73%	-----

ACM RECOMMENDS POINT COUNTING ANALYSIS ON ALL BULK SAMPLES

WITH LESS THAN 10% (< 10%) ASBESTOS CONTENT

MICROSCOPIST:



DATE:

6/8/10

Analysis of Suspect Asbestos Containing Building Materials

CLIENT: WIGHTMAN PETRIE, INC
412 S LAFAYETTE BLVD
SOUTH BEND, IN 46601

ANALYTICAL METHOD: EPA/600/R-93/116

NVLAP LAB CODE #: 101977

CLIENT PROJECT: FRED'S TRANSMISSION & CLUTCH MATRIX: BULK

DATE OF SAMPLE: 06/07/10

DATE OF ANALYSIS: 06/08/10

SAMPLE SITE: 507 W WESTERN AVE

ACM PROJECT #: 16749

CLIENT SAMPLE NUMBER	LAB SAMPLE NUMBER	SAMPLE IDENTIFICATION	ASBEST	CELL	NON FIB NON ACBM	FIB NON ACBM
34	1005458	DRYWALL	-----	48%	52%	-----
38	1005459	BLACK FLOOR TILE	-----	-----	97%	3% O
39	1005460	BLACK FLOOR TILE MASTIC	2% C	3%	95%	-----
40	1005461	DRYWALL	-----	73%	27%	-----
42	1005462	BLACK FLOOR TILE	-----	-----	96%	4% O
43	1005463	BLACK FLOOR TILE MASTIC	2% C	4%	94%	-----
46	1005464	DRYWALL	-----	18%	82%	-----
48	1005465	DRYWALL	-----	44%	56%	-----
49	1005466	DRYWALL	-----	61%	39%	-----
50	1005467	TROWLED-ON PLASTER	-----	1%	99%	-----
51	1005468	TROWLED-ON PLASTER	-----	1%	99%	-----
53	1005469	STACKED CEILING TILES	-----	16%	-----	84% G
55	1005470	MUD	-----	7%	93%	-----
57	1005471	MUD	-----	3%	97%	-----
58	1005472	OFF-WHITE CEILING TILE	-----	11%	-----	89% G
60	1005473	OFF-WHITE CEILING TILE	-----	10%	-----	90% G

ACM RECOMMENDS POINT COUNTING ANALYSIS ON ALL BULK SAMPLES

WITH LESS THAN 10% (< 10%) ASBESTOS CONTENT

MICROSCOPIST: _____

Pat T. Hoff

DATE: _____

6/8/10

Analysis of Suspect Asbestos Containing Materials

ACM ENGINEERING & ENVIRONMENTAL SERVICES PROJECT NO.: 16749

DESCRIPTION OF ANY PROBLEMS ENCOUNTERED IN THE SAMPLE ANALYSIS: None

COMPONENTS DESCRIPTION:

ASBESTOS MATERIALS

ACBM = ASBESTOS CONTAINING BUILDING MATERIAL
C = CHRYSOTILE
A = AMOSITE
CR = CROCIDOLITE
AN = ANTHOPHYLITE
AC = ACTINOLITE
T = TREMOLITE
---- = NO ASBESTOS DETECTED

NON-ASBESTOS MATERIALS

CELL = CELLULOSE
G = FIBROUS GLASS
M = MINERAL WOOL
S = SYNTHETICS
H = HAIR
CO = COTTON
O = OTHER
CF = CERAMIC FIBERS
M = MICA

NON-FIB NON-ACM = NON FIBROUS NON ACM

FIB NON ACM = FIBROUS NON ACM

NOTES: FIBROUS QUANTITIES DO NOT NECESSARILY ADD UP TO 100%,
REMAINING QUANTITIES ARE COMPOSED OF NON-FIBROUS ROCKS,
BINDERS AND MISC. MATERIALS.

THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT
ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE U.S. GOVERNMENT.

THIS REPORT RELATES ONLY TO THE ITEMS ABOVE.

THIS TEST REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN CONSENT OF ACM ENGINEERING & ENVIRONMENTAL
SERVICES.

ACM ENGINEERING & ENVIRONMENTAL SERVICES DOES NOT DEVIATE FROM
THE TEST METHOD DESCRIBED IN THIS REPORT.

10.0 CHAIN OF CUSTODY

ACM Engineering & Environmental Services, Inc.

26598 US 20 West

South Bend, Indiana 46628

Phone (574) 234-8435

Fax (574) 234-6800

Client: Wightman Petrie, Inc.

Billing Address: 412 S. Lafayette Blvd.

Billing City, State, Zip: South Bend, IN 46601

Report Results To: ezell@wightmanpetrie.com

Sampling Date: 6/7/10 Sampled By: Maria Parmer

**Suspect Asbestos Containing Building Material
Sampling - Chain-of-Custody - Analysis Request Form**

ACM Project # 16749



Site Location: Fred's Transmission & Clutch

Address: 507 W. Western Avenue

Type of Project: Demolition

Requested Turn Around Time: Normal

Reference Number: _____

Sample Identification	Sample Type (Bulk, Wipe, Other)	Sample Description	Sample Location	Requested Analysis; Instructions / Comments
1	Bulk	White fibrous ceiling material	entryway	PLM
2		White fibrous ceiling material	entryway	
3		White fibrous ceiling material	entryway	
4		Drywall	entryway	
7		Red floor tile	entryway	
8		Red floor tile mastic	entryway	
9		Brown floor tile	entryway	
10		Brown floor tile mastic	entryway	
11		Red floor tile	entryway	
12		Red floor tile mastic	entryway	
13		Brown floor tile	entryway	
14		Brown floor tile MASTIC	entryway	

Submitted by: (sign) [Signature] (print) Maria Parmer

Date Submitted: 6/7/10

Received by: (sign) [Signature] (print) Anna Tatt

Date and time received: 6/7/10

(For lab use only) Samples processed by: P.T. [Signature] Date: 6/8/10 Time: From _____ am/pm to _____ am/pm

ACM Engineering & Environmental Services, Inc.

26598 US 20 West
 South Bend, Indiana 46628
 Phone (574) 234-8435
 Fax (574) 234-6800

**Suspect Asbestos Containing Building Material
 Sampling - Chain-of-Custody - Analysis Request Form**

ACM Project# _____

Client: Wightman Petrie, Inc.
 Billing Address: 412 S. Lafayette Blvd.
 Billing City, State, Zip: South Bend, IN 46601
 Report Results To: mparmer@wightmanpetrie.com
ezell@wightmanpetrie.com
 Sampling Date: 6/7/10 Sampled By: Maria Parmer



Site Location: Fred's Transmission & Clutch
 Address: 507 W. Western Avenue
 Type of Project: Demolition
 Requested Turn Around Time: normal
 Reference Number: _____

Sample Identification	Sample Type (Bulk, Wipe, Other)	Sample Description	Sample Location	Requested Analysis; Instructions / Comments
19	Bulk	Bright white Ceiling Tile	Entryway	PLM
20		Off-white ceiling tile	entryway	↓
21		Drywall	SW Room	
24		Off-white ceiling tile	SW Room	
25		Off-white ceiling tile	SE Room	
26		Drywall	SE Room	
28		Brown Floor Tile	S. Stairwell	
29		Brown Floor Tile Mastic	S. Stairwell	
32		Drywall	S. Stairwell	
34		Drywall	Bathroom	
38		Black Floor Tile	Bathroom	
39		Black Floor Tile Mastic	Bathroom	

Submitted by: (sign) Mar Pan (print) Maria Parmer

Received by: (sign) A Platt (print) Anna Platt

Date Submitted: 6/7/10

Date and time received: 6/7/10

(For lab use only) Samples processed by: P. J. Jeff Date: 6/8/10 Time: From _____ am/pm to _____ am/pm

ACM Engineering & Environmental Services, Inc.

26598 US 20 West

South Bend, Indiana 46628

Phone (574) 234-8435

Fax (574) 234-6800

**Suspect Asbestos Containing Building Material
Sampling - Chain-of-Custody - Analysis Request Form**

ACM Project # _____

Client: Wightman Petrie, Inc.

Billing Address: 412 S. Lafayette Blvd.

Billing City, State, Zip: South Bend IN 46601

Report Results To: mparmer@wightmanpetrie.com
ezell@wightmanpetrie.com

Sampling Date: 6/7/10 Sampled By: Maria Parmer



Site Location: Fred's Transmission & Clutch

Address: 507 W. Western Avenue

Type of Project: Demolition

Requested Turn Around Time: Normal

Reference Number: _____

Sample Identification	Sample Type (Bulk, Wipe, Other)	Sample Description	Sample Location	Requested Analysis; Instructions / Comments
42	Bulk	Black floor tile	NE Room	PLM
43		Black floor tile mastic	NE Room	
46		Drywall	Main Room	
40		Drywall	NE Rooms	
48		Drywall	N. Stairwell	
49		Drywall	Basement I	
50		Troweled-on plaster	Basement Beam	
51		Troweled-on plaster	Basement Beam	
53		Stacked ceiling tiles	Basement	
55		Mud	N. Stairwell	
57		Mud	N. Stairwell	
58		Off-white ceiling tile	Main Room	

Submitted by: (sign) Ma Pa (print) Maria Parmer

Date Submitted: 6/7/10

Received by: (sign) [Signature] (print) Anna Platt

Date and time received: 6/7/10

(For lab use only) Samples processed by: P. T. [Signature] Date: 6/8/10

Time: From _____ am/pm to _____ am/pm

ACM Engineering & Environmental Services, Inc.

26598 US 20 West
 South Bend, Indiana 46628
 Phone (574) 234-8435
 Fax (574) 234-6800

**Suspect Asbestos Containing Building Material
 Sampling - Chain-of-Custody - Analysis Request Form**

ACM Project # _____



Client: Wightman Petrie, Inc.

Billing Address: 412 S. Lafayette Blvd.

Billing City, State, Zip: South Bend, IN 46601

Report Results To: ezell@wightmanpetrie.com

Sampling Date: 6/7/10 Sampled By: Maria Parmer

Site Location: Freds Transmission 3 Clutch

Address: 507 W. Western Ave.

Type of Project: Demolition

Requested Turn Around Time: Normal

Reference Number: _____

Sample Identification	Sample Type (Bulk, Wipe, Other)	Sample Description	Sample Location	Requested Analysis; Instructions / Comments
60 60	Bulk	Off-white ceiling tile	Main Room	PLM

Submitted by: (sign) Ma pa (print) Maria Parmer

Received by: (sign) A. Platt (print) Anna Platt

(For lab use only) Samples processed by: R. T. F. J. Date: 6/8/10 Time: From _____ am/pm to _____ am/pm

Date Submitted: 6/7/10

Date and time received: 6/2/10