5 Utica Place

Dept. of Neighborhood & Business Development
Rochester, New York

Pre-Demolition
Asbestos Inspection

October 2012

5 Utica Place
Rochester, New York

Pre-Demolition Asbestos Inspection

October 2012

Prepared For:

City of Rochester
Department of Neighborhood and Business Development
City Hall, Room 005-A
30 Church Street
Rochester, New York 14614-1290

Prepared By:

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Executive Summary

Barton & Loguidice, P.C. (B&L) was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct a pre-demolition asbestos inspection of 5 Utica Place in Rochester, New York. The purpose of the survey was to identify and quantify suspect asbestos-containing materials (ACMs) prior to the anticipated demolition of the structure. The inspection was conducted on September 27 and 28, 2012. This report represents the conditions of the property at the time of the survey.

Materials suspected of potentially containing asbestos were sampled by B&L's New York State Certified Asbestos Inspectors. These materials included plaster, stucco, sheetrock, blown-in insulation, window glaze, floor tiles, linoleum sheeting, ceiling tile, duct mastic, vapor barrier, and roofing materials.

The following materials were determined to be ACM:

Material Code	Description	Quantity
TM02	Typical Stucco (Space 203)	100 SF
WG01	Window Glaze	25 SF
FT06	Yellow Geometric Floor Tile	26 SF
VS03	Tan Octagonal Design Sheeting	205 SF
RM10	Black Roof Cement	14 SF

The following materials were presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	28 SF
TS01	Transite Siding	2,340 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of ACM in the building.

Since the building is slated for demolition, all materials identified as ACM and PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

1.0 Introduction

B&L was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct an asbestos inspection of 5 Utica Place in Rochester, New York. The inspection was designed to determine the presence and quantity of ACM/PACM prior to demolition of the structure. B&L's inspection team consisted of New York State Department of Labor (NYSDOL) accredited inspectors Timothy Strzepek (Certificate No. 90-03209) and Michael Goff (Certificate No. 01-07588). B&L's license and each inspector's asbestos certificates are presented in Appendix E. The inspection was performed on September 27 and 28, 2012.

2.0 Building Description

The building located at 5 Utica Place is a two-story wood frame structure with a basement. The entire building encompassed approximately 1,960 square feet of area including the basement. Interior finishing materials consisted of plaster, stucco, sheetrock, floor tiles, linoleum sheeting, and ceiling tile. The exterior consisted of transite siding over vapor barrier, wood siding and wood. There was one gas-operated furnace and one gas-operated water heater located in the basement. This description represents the condition of the building at the time of the survey.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located in the building were not insulated. Some ducts located in the building were insulated. These observations suggest that hidden pipes are not insulated while hidden ducts may be insulated. However, we were unable to access all pipes. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

3.0 Scope of Work

The above referenced building was surveyed for the presence of thermal system insulation, surfacing materials, and miscellaneous materials suspected of containing asbestos. Both friable and non-friable materials were sampled.

The inspection was performed in accordance with the requirements of Part 56 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56, as amended and adopted March 21, 2007), Section 56-5.1, *Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling, and Repair*. Inspection procedures followed the requirements of the Environmental Protection Agency (EPA) found at 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools; Final Rule and Notice, *Asbestos Hazard Emergency Response Act* (AHERA).

When suspect ACM was encountered, the material was assessed, quantified, and either assumed to be ACM or sampled. The condition of the material was also noted on the survey form. The condition of the ACM and PACM materials is reported in Table 1. The sample location was noted in the field sketches. Sample locations are summarized in Table 2, Bulk Sampling Summary Form. Each sample was sent to a laboratory accredited by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) and the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) for analysis.

4.0 Field Survey Procedures

Survey procedures call for an accredited inspector to visually inspect, identify, and assess all homogeneous areas for friable and non-friable suspected asbestos-containing building materials (ACBM). Once all materials were assessed and information recorded, sampling was initiated. The sampling protocol for each homogeneous material was as follows:

4.1 Surfacing Materials

These materials include spray-applied or trowelled-on materials such as plaster, stucco, and fireproofing.

- Three (3) bulk samples were collected from each homogeneous material.

4.2 Thermal System Insulation (TSI)

TSI includes materials such as pipe, boiler, tank, and exhaust breaching insulation, and duct insulation.

- Materials identified as ACM from previous pre-demolition surveys such as aircell pipe and fittings, transite piping, and duct insulation were presumed to be ACM (PACM) and not sampled.
- One (1) sample from materials including patched TSI, which was not assumed to be ACM, if the patched section was less than 6 linear or square feet. Otherwise, three (3) samples were collected.

4.3 Miscellaneous Material

This category includes materials such as roofing and siding materials, ceiling tile, floor tile, vinyl sheeting, baseboard molding, and other miscellaneous materials.

- Two (2) samples were collected from each homogeneous ceiling tile or panel and each (NOB) non-friable material and three (3) samples collected for each friable miscellaneous material.

Bulk samples were not collected from any homogeneous material where the accredited inspector determined that the material was fiberglass, foam, glass, rubber, or other non-ACM.

5.0 Description of Sampling Method

Whenever samples were collected, non-assessment personnel were restricted from the area. The material to be sampled was misted with water to minimize fiber release. The material was penetrated with the appropriate sampling tool down to the structural member and a sample of approximately two (2) square centimeters extracted. The sample was placed in a clear plastic container, the container wiped with a damp cloth, sealed, and labeled with a unique sample identification number. The sample site was then sealed and labeled (where appropriate).

Sampling tools were cleaned with a damp cloth and the area wet wiped of any debris. Potentially contaminated rags, debris, suits, plastic, etc. were collected in plastic bags and returned to B&L's office for subsequent disposal. Respirators equipped with P-100 High Efficiency Particulate Air (HEPA) filters were worn by the inspectors during the sample collection and cleaning procedure for friable material at the inspector's discretion.

6.0 Analytical Methods

Bulk samples collected at the building were analyzed by AmeriSci New York (AmeriSci), 117 East 30th Street, New York, New York. AmeriSci is accredited by NIST under the National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis of bulk samples (Accreditation Number 200546-0). AmeriSci is also accredited by the New York State Department of Health under the Environmental Laboratory Approval Program (ELAP, Accreditation No. 11480).

Samples were analyzed by polarized light microscopy (PLM) in accordance with the NYSDOH *Polarized Light Microscopy Method for Identifying and Quantifying Asbestos in Bulk Samples* (ELAP Method 198.1). Samples were analyzed sequentially until positive for asbestos or until each sample in the set was analyzed. A material was classified as non-asbestos containing only if each sample in the set was determined to be less than one percent by weight (<1%).

Non-friable organically bound (NOB) materials, such as floor tiles, mastic and roofing materials, and ceiling tiles/panels containing cellulose that were found to be <1% by PLM, were also analyzed using the NYSDOH *Transmission Electron Microscopy (TEM) Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples* (ELAP Method 198.4). If TEM confirmed that the asbestos content was <1%, the material was considered non-asbestos containing.

7.0 Survey Results

The results of the on-site survey are summarized in Table 1 - "Homogeneous ACM/PACM Summary Form" found in section 8.0. Table 1 is a material-by-material listing of the location, condition, and quantity of ACM/PACM in the building.

Appendix A - "Survey Form and Floor Plans" is a room-by-room listing of the location of suspect materials in each functional area inspected. The survey form was completed in the field and incorporates the inspector's field observations. A description of each of the columns on the form and how they were completed can also be found in Appendix A.

Appendix B and Appendix C present photographs of ACM, PACM, and non-ACM, respectively.

Laboratory results and completed copies of the chain of custody records are presented in Appendix D - Asbestos Bulk Sample Analytical Results.

The following materials were determined to be ACM:

Material Code	Description	Quantity
TM02	Typical Stucco (Space 203)	100 SF
WG01	Window Glaze	25 SF
FT06	Yellow Geometric Floor Tile	26 SF
VS03	Tan Octagonal Design Sheeting	205 SF
RM10	Black Roof Cement	14 SF

The following materials were presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	28 SF
TS01	Transite Siding	2,340 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of the ACM in the building.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located in the building were not insulated. Some ducts located in the building were insulated. These observations suggest that hidden pipes are not insulated while hidden ducts may be insulated. However, we were unable to access all pipes. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

Since the building is slated for demolition, all materials identified as ACM/PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

8.0 Homogeneous ACM/PACM Summary Form

The quantities of the homogeneous ACM/PACM identified within the building are summarized on Table 1. The information is listed by homogeneous material code and presents the location, class, description, condition, and quantity of the ACM/PACM as it occurs. The total quantity of each ACM/PACM found in the building has been calculated and is presented at the end of the list. The information presented on the form is derived from information on the Survey Form (Appendix A), the sample results, and the floor plans.

Table 1
Homogeneous ACM/PACM Summary Form
City of Rochester
5 Utica Place
Rochester, NY

September 27 and 28, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
TM02	203	S	Typical Stucco	TM02B	Poor	100	**Y**
					TOTAL	**100 SF**	
WG01A	001	M	Window Glaze		Poor	1	**Y**
	002	M			Poor	3	**Y**
	100	M			Poor	4	**Y**
	101	M			Poor	2	**Y**
	102	M			Poor	2	**Y**
	103	M		WG01A	Poor	1	**Y**
	104	M			Poor	4	**Y**
	200	M			Poor	1	**Y**
	202	M			Poor	1	**Y**
	203	M		WG01B	Poor	1	**Y**
	204	M			Poor	2	**Y**
	205	M			Poor	1	**Y**
WG01	206	M	Window Glaze		Poor	2	**Y**
					TOTAL	**25 SF**	

Table 1 - Continued
Homogeneous ACM/PACM Summary Form
City of Rochester
5 Utica Place
Rochester, NY

September 27 and 28, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
FT06	202	M	Yellow Geometric Floor Tile	FT06A,B	Poor	26	**Y**
					TOTAL	**26 SF**	
VS03	204	M	Tan Octagonal Design Sheeting	VS03A	Poor	85	**Y**
	206	M		VS03B	Poor	120	**Y**
					TOTAL	**205 SF**	
DI01	002	T	Duct Insulation	**Not Sampled**	Poor	6	**PACM**
	103A	T		**Not Sampled**	Poor	20	**PACM**
	104	T		**Not Sampled**	Poor	1	**PACM**
	202	T		**Not Sampled**	Poor	1	**PACM**
					TOTAL	**28 SF**	
TS01	001	M	Transite Siding	**Not Sampled**	Poor	40	**PACM**
	100	M		**Not Sampled**	Poor	100	**PACM**
	Exterior	M		**Not Sampled**	Poor	2,200	**PACM**
					TOTAL	**2,340 SF**	
RM10	R100	M	Black Roof Cement	RM10A,B	Poor	3	**Y**
	R101	M			Poor	8	**Y**
	R102	M			Poor	3	**Y**
					TOTAL	**14 SF**	

9.0 Bulk Sampling Summary Form

This form presents a summary of the bulk sampling performed at the building. It lists the material code, material description, sample location, sample ID, and the analytical results. Results for PLM and TEM analyses are presented as appropriate.

Table 2
Bulk Sampling Summary Form
City of Rochester
5 Utica Place
Rochester, NY

September 27 and 28, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
TM02	Typical Stucco	101	TM02A	NAD	-
	Typical Stucco	203	TM02B	**3.5% CH**	-
	Typical Stucco	204	TM02C	NAD	-
WG01	Window Glaze	103	WG01A	**2.0% CH**	NA
	Window Glaze	203	WG01B	NA	NA
FT06	Yellow Geometric Floor Tile	202	FT06A	**5.9% CH**	NA
	Yellow Geometric Floor Tile	202	FT06B	NA	NA
VS03	Tan Octagonal Design Sheeting	204	VS03A	**6.7% CH**	NA
	Tan Octagonal Design Sheeting	206	VS03B	NA	NA
DI01	Duct Insulation	**Not Sampled**	**Not Sampled**	**PACM**	**PACM**
TS01	Transite Panel and Siding	**Not Sampled**	**Not Sampled**	**PACM**	**PACM**
RM10	Black Roof Cement	R100	RM10A	**2.4% CH**	NA
	Black Roof Cement	R100	RM10B	NA	NA
TM01	Typical Plaster	102	TM01A	NAD	-
	Typical Plaster (White Coat)	103	TM01B	NAD	-
	Typical Plaster (Grey Coat)	103	TM01B	NAD	-
	Typical Plaster (White Coat)	203	TM01C	NAD	-
	Typical Plaster (Grey Coat)	203	TM01C	NAD	-
SM01	Blown-in Insulation	101	SM01A	NAD	-
	Blown-in Insulation	104	SM01B	NAD	-
	Blown-in Insulation	104	SM01C	NAD	-
WB01	Typical Sheetrock	101	WB01A	NAD	-
	Typical Sheetrock	102	WB01B	NAD	-
	Typical Sheetrock	104	WB01C	NAD	-
FT01	12”x12” Light Brown Wood Pattern Floor Tile	101	FT01A	NAD	NAD
	12”x12” Light Brown Wood Pattern Floor Tile	101	FT01B	NAD	NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
5 Utica Place
Rochester, NY

September 27 and 28, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
FT02	12”x12” Tan Mottled Floor Tile 12”x12” Tan Mottled Floor Tile	101 101	FT02A FT02B	NAD NAD	NAD NAD
FT03	12”x12” Gray Squares Floor Tile 12”x12” Gray Squares Floor Tile	104 104	FT03A FT03B	NAD NAD	NAD NAD
FT04	Gray Mottled Floor Tile Gray Mottled Floor Tile	104 104	FT04A FT04A	NAD NAD	NAD NAD
FT05	12”x12” White with Green Diamond Floor Tile 12”x12” White with Green Diamond Floor Tile	202 202	FT05A FT05B	NAD NAD	NAD NAD
FT07	9”x9” Gray Floor Tile 9”x9” Gray Floor Tile	103A 103A	FT07A FT07B	NAD NAD	NAD NAD
VS01	Gray and Blue Squares Sheeting Gray and Blue Squares Sheeting	103A 103A	VS01A VS01B	NAD NAD	NAD NAD
VS02	Gray Pebble Pattern Sheeting Gray Pebble Pattern Sheeting	203 203	VS02A VS02B	NAD NAD	NAD NAD
CT01	1’x1’ Smooth Ceiling Tile 1’x1’ Smooth Ceiling Tile	102 201	CT01A CT01B	NAD NAD	NAD NAD
DC01	Duct Mastic Duct Mastic	002 002	DC01A DC01B	NAD NAD	NAD NAD
VB01	Black Vapor Barrier Black Vapor Barrier	100 Exterior	VB01A VB01B	NAD NAD	NAD NAD
RM01	Black Tar Paper Black Tar Paper	101 101	RM01A RM01B	NAD NAD	NAD NAD
RM02	Green and White Roof Shingle Green and White Roof Shingle	R100 R100	RM02A RM02B	NAD NAD	NAD NAD
RM03	Black Tar Paper Black Tar Paper	R100 R100	RM03A RM03B	NAD NAD	NAD NAD
RM04	Green and White Roof Shingle Green and White Roof Shingle	R100 R100	RM04A RM04B	NAD NAD	NAD NAD
RM05	Brown Roof Shingle Brown Roof Shingle	R100 R100	RM05A RM05B	NAD NAD	NAD NAD
RM06	Dark Green Roof Shingle Dark Green Roof Shingle	R100 R100	RM06A RM06B	NAD NAD	NAD NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
5 Utica Place
Rochester, NY

September 27 and 28, 2012

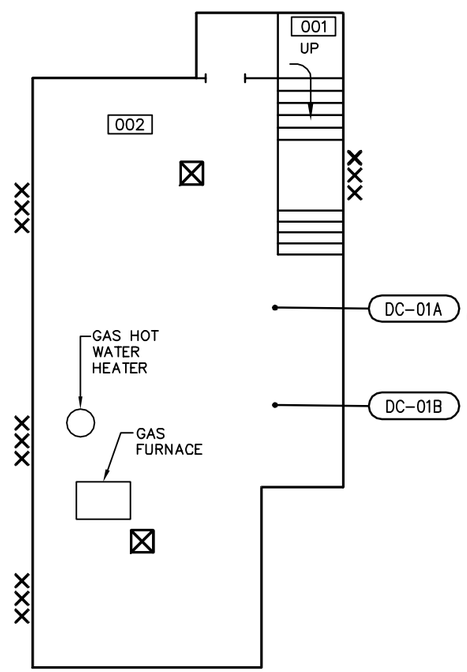
Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
RM07	Tar Paper Tar Paper	R100 R100	RM07A RM07B	NAD NAD	NAD NAD
RM08	Green and White Roof Shingle Green and White Roof Shingle	R100 R100	RM08A RM08B	NAD NAD	NAD NAD
RM09	Gray Roof Shingle Gray Roof Shingle	R100 R100	RM09A RM09B	NAD NAD	NAD NAD
RM11	Gray Tab Roof Shingle Gray Tab Roof Shingle	R102 R103	RM11A RM11B	NAD NAD	NAD NAD
RM12	Black Tar Paper Black Tar Paper	R103 R103	RM12A RM12B	NAD NAD	NAD NAD

< = Less Than % = Percent
PLM = Polarized Light Microscopy
TEM = Transmission Electron Microscopy
NAD = No Asbestos Detected
NA = Not Analyzed
Trace = Indicates <1% asbestos by weight

CH = Chrysotile Asbestos
AM = Amosite Asbestos
CR = Crocidolite Asbestos
AN = Anthophyllite Asbestos
TR = Tremolite Asbestos
AC = Actinolite Asbestos

N

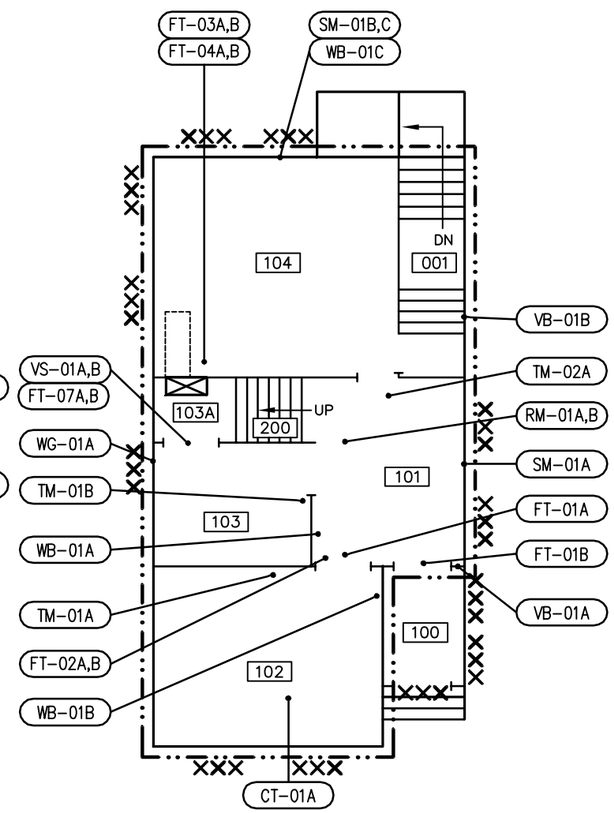
LEGEND	
⊠	PRESUMED ASBESTOS CONTAINING DUCT INSULATION
-·-·-·-	ASBESTOS CONTAINING BLACK ROOF CEMENT
XXX	ASBESTOS CONTAINING WINDOW GLAZE
—··—	PRESUMED ASBESTOS CONTAINING TRANSITE SIDING AND ASSOCIATED SIDING CAULK
▨	ASBESTOS CONTAINING FLOOR TILE AND/OR SHEETING
▤	ASBESTOS CONTAINING CEILING STUCCO



UTICA PLACE

BASEMENT PLAN

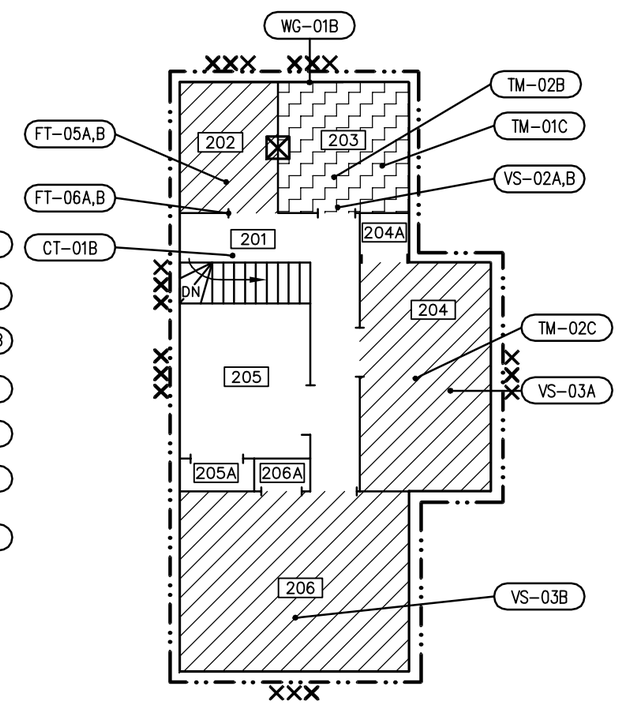
NOT TO SCALE



UTICA PLACE

FIRST FLOOR PLAN

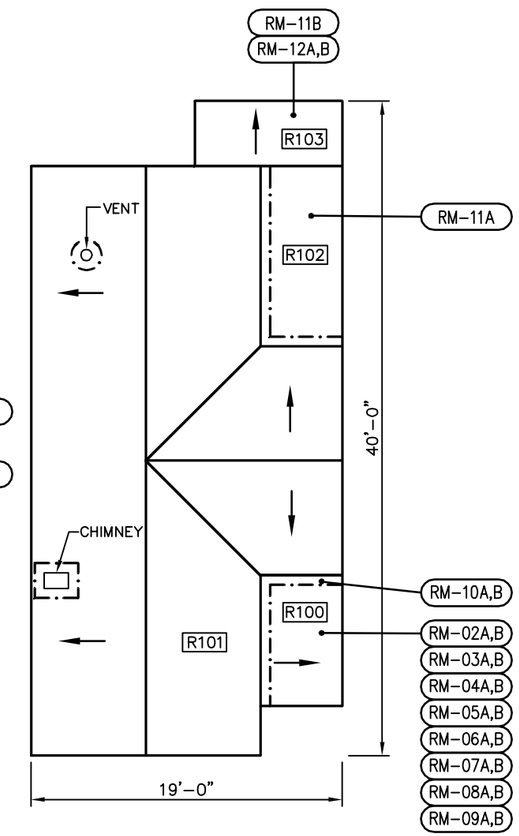
NOT TO SCALE



UTICA PLACE

SECOND FLOOR PLAN

NOT TO SCALE



UTICA PLACE

ROOF PLAN

NOT TO SCALE

CITY OF ROCHESTER
ASBESTOS SURVEY

5 UTICA PLACE

Barton Loguidice, P.C.

Date
OCTOBER, 2012

Scale
NOT TO SCALE

Figure Number
1

Project Number
981.004

Plotted: Oct 12, 2012 – 1:35PM SYR By: jgs
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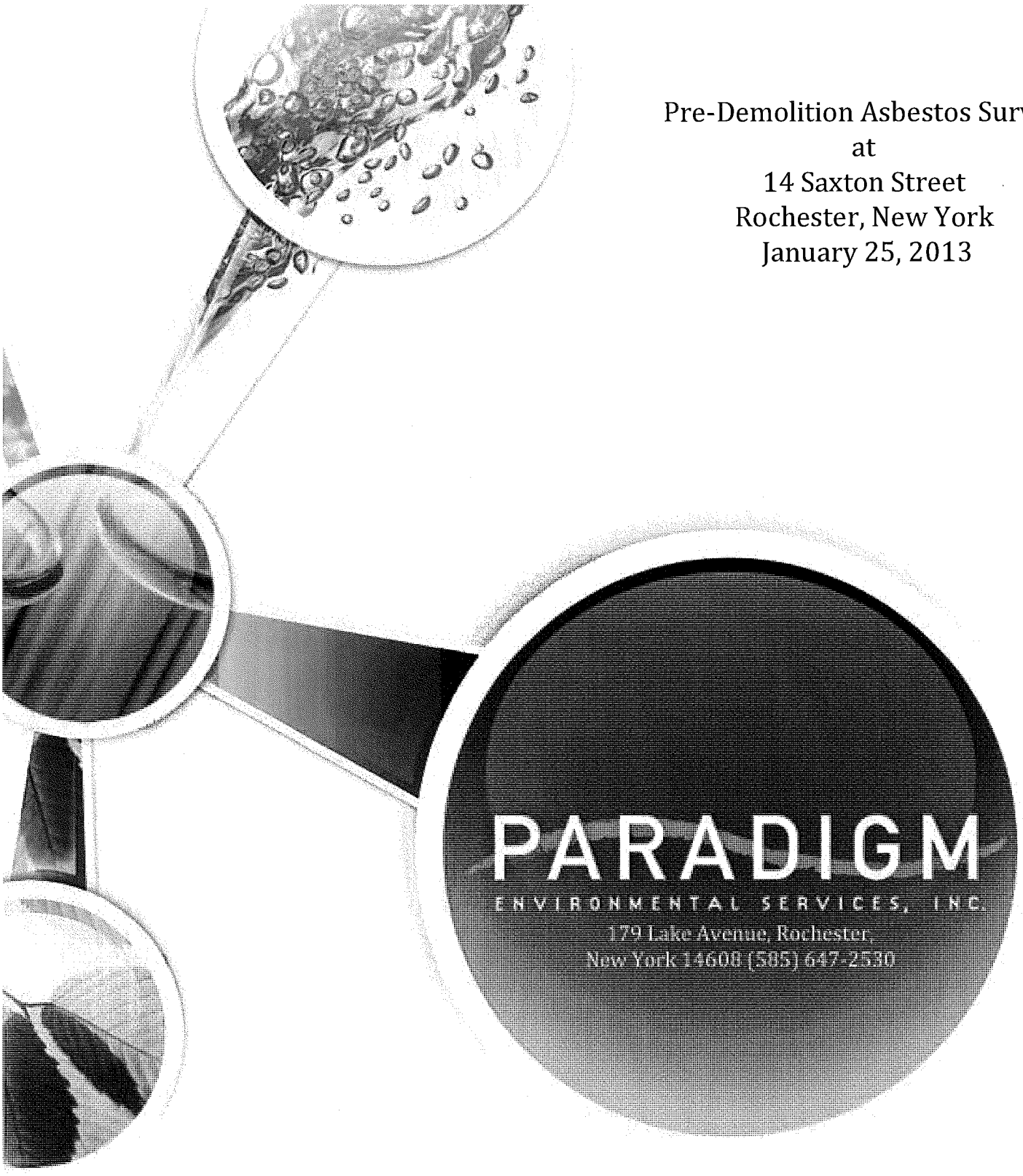

Pre-Demolition Asbestos Survey
at
14 Saxton Street
Rochester, New York
January 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-0390

14 SAXTON STREET
ROCHESTER, NEW YORK

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CONCLUSIONS

MATERIALS LIST

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY

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CERTIFICATIONS

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-0390

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **January 25, 2013** to conduct an inspection for the detection of asbestos containing materials located at **14 Saxton Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Chris Enright (AH#06-08603) and Ted Tronnes (AH#07-00223) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **14 Saxton Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **14 Saxton Street, Rochester, New York** on **January 25, 2013**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.

- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.

- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	*Sample #'s taken in Room*	*Positive Sample ID #*	*Positive Material Description*	*Location of Material*	*Condition*	*Friable Non-Friable NOB*	*Type of Material*	*SQ FT*	*Lin FT*	*Units*

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
14 Saxton Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
		Ceiling and Wall Materials		
SPK-005	White Spackle	None Detected	Not Required	Non-Friable
CMM-008	Tan Cove Molding Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
DWL-009	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-010	White Spackle	None Detected	Not Required	Non-Friable
CPL-011	White Ceiling Plaster	Chrysotile 5.3%	Not Required	Non-Friable
CPL-012	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
MAS-017	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-018	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
CMM-021	Tan Cove Molding Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SPK-022	White Spackle	None Detected	None Detected	Non-Friable
CPL-023	Tan Spackle	Chrysotile 3.6%	Not Required	Non-Friable
CPL-023	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-024	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
ACT-025	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
DWL-028	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-029	White Spackle	None Detected	Not Required	Non-Friable
SPK-030	White Spackle	None Detected	Not Required	Non-Friable
		Flooring Materials		
FT1-003	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-004	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-006	White / Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-007	White / Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-013	White 12"x12" Floor Tile	Chrysotile 13%	Not Required	NOB
TRP-014	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-015	White 12"x12" Floor Tile	Chrysotile 12%	None Detected	NOB
TRP-016	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-019	Green / Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-020	Green / Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-026	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-027	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-031	Gray 12"x12" Floor Tile	Chrysotile 3.1%	Not Required	NOB
FTM-032	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-033	Gray 12"x12" Floor Tile	Chrysotile 3.8%	Not Required	NOB
FTM-034	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-0390

MATERIALS TESTED
14 Saxton Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Thermal System Insulation Materials				
DIT-001	Gray Duct Insulation Tape	Chrysotile 50%	Not Required	Friable
DIT-002	Gray Duct Insulation Tape	Chrysotile 57%	Not Required	Friable
Roofing Materials				
ROS-035	White / Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-036	Green / Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-037	Gray / Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-038	White / Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-039	Green / Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-040	Gray / Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
RTR-041	Black Roofing Cement / Tar	Chrysotile 30%	Not Required	NOB
RTR-042	Black Roofing Cement / Tar	Chrysotile 25%	Not Required	NOB
TRP-043	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-044	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
14 Saxton Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	001-005	DIT-001, 002	Gray Duct Insulation Tape	On Duct	Poor	Friable	TSI		6	
First Floor										
1 168 square feet	006-012	CPL-011 DIT-001	White Ceiling Plaster Gray Duct Insulation Tape	Ceiling In Vent	Poor Fair	Friable Friable	Surfacing TSI	168	8	
2 Stairwell 80 square feet	023-025	CPL-011 CPL-023	White Ceiling Plaster Tan Spackle	Ceiling Ceiling	Good Fair	Non-Friable Non-Friable	Surfacing Misc	42 42		
3 Dining Room 168 square feet	None	None	No Asbestos Detected					0	0	0
4 Bathroom 112 square feet	013-016	FT1-013, 015 DIT-001	White 12"x12" Floor Tile Gray Duct Insulation Tape	Floor - 2nd Layer Around Duct Behind Shower Wall	Good Fair	NOB Friable	Misc TSI	112	25	
5 Kitchen 184 square feet	019-022	FT1-013	White 12"x12" Floor Tile	Floor - 3rd Layer	Good	NOB	Misc	184		
6 60 square feet	017, 018	None	No Asbestos Detected					0	0	0
Second Floor										
7 Bedroom 162 square feet	026-029	None	No Asbestos Detected					0	0	0
8 130 square feet	031-034	FT1-031, 033	Gray 12"x12" Floor Tile	1/2 of the Floor - 2nd Layer	Fair	NOB	Misc	50		
9 Bedroom 48 square feet	030	None	No Asbestos Detected					0	0	0
10 Bedroom 80 square feet	None	None	No Asbestos Detected					0	0	0
Exterior										
Exterior	035-044	RTR-041, 042	Black Roofing Cement/ Tar	Along House and Around Chimney	Fair	NOB	Misc		65	
								598	104	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

***** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.***

All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

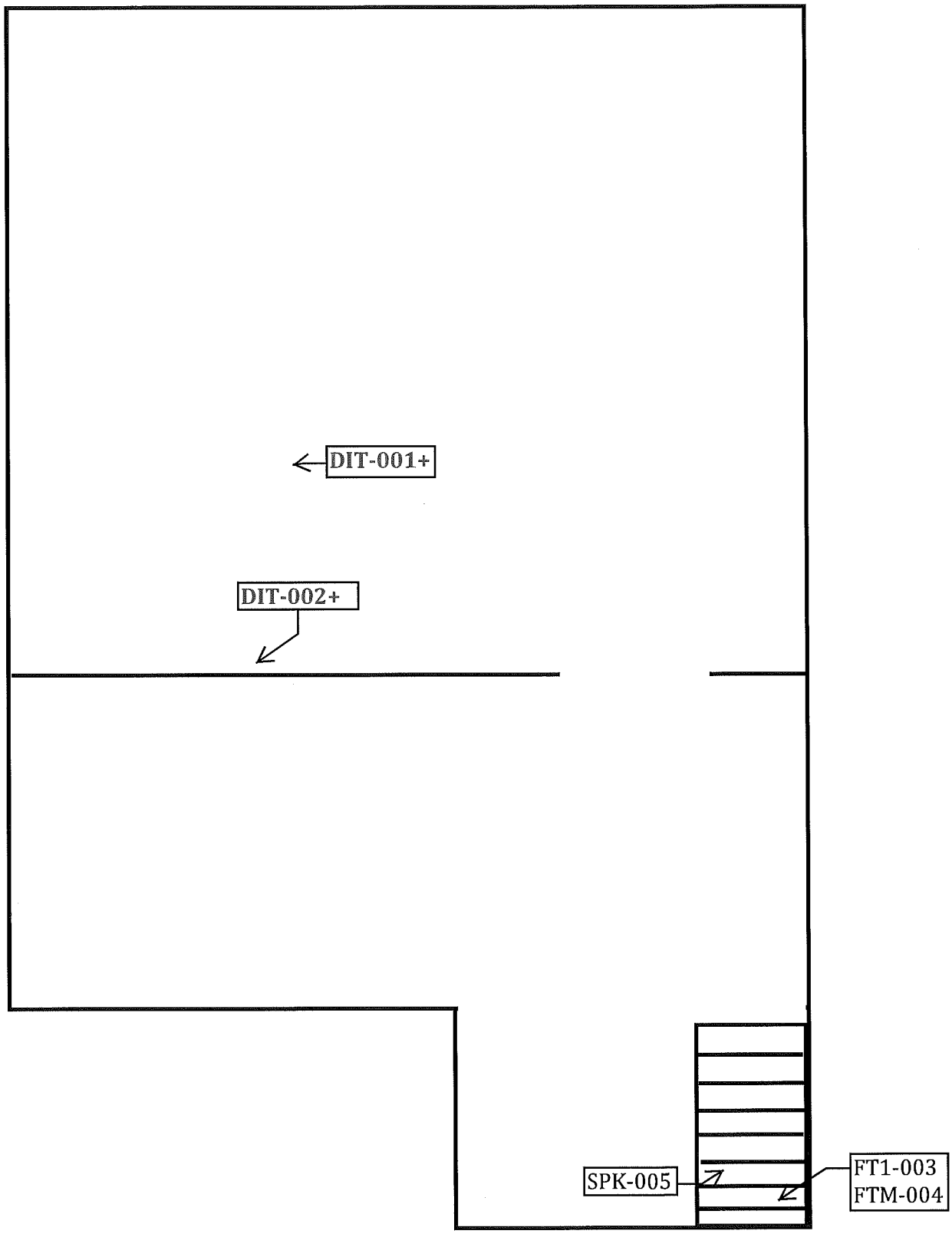
ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
14 Saxton Street
Rochester, New York

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

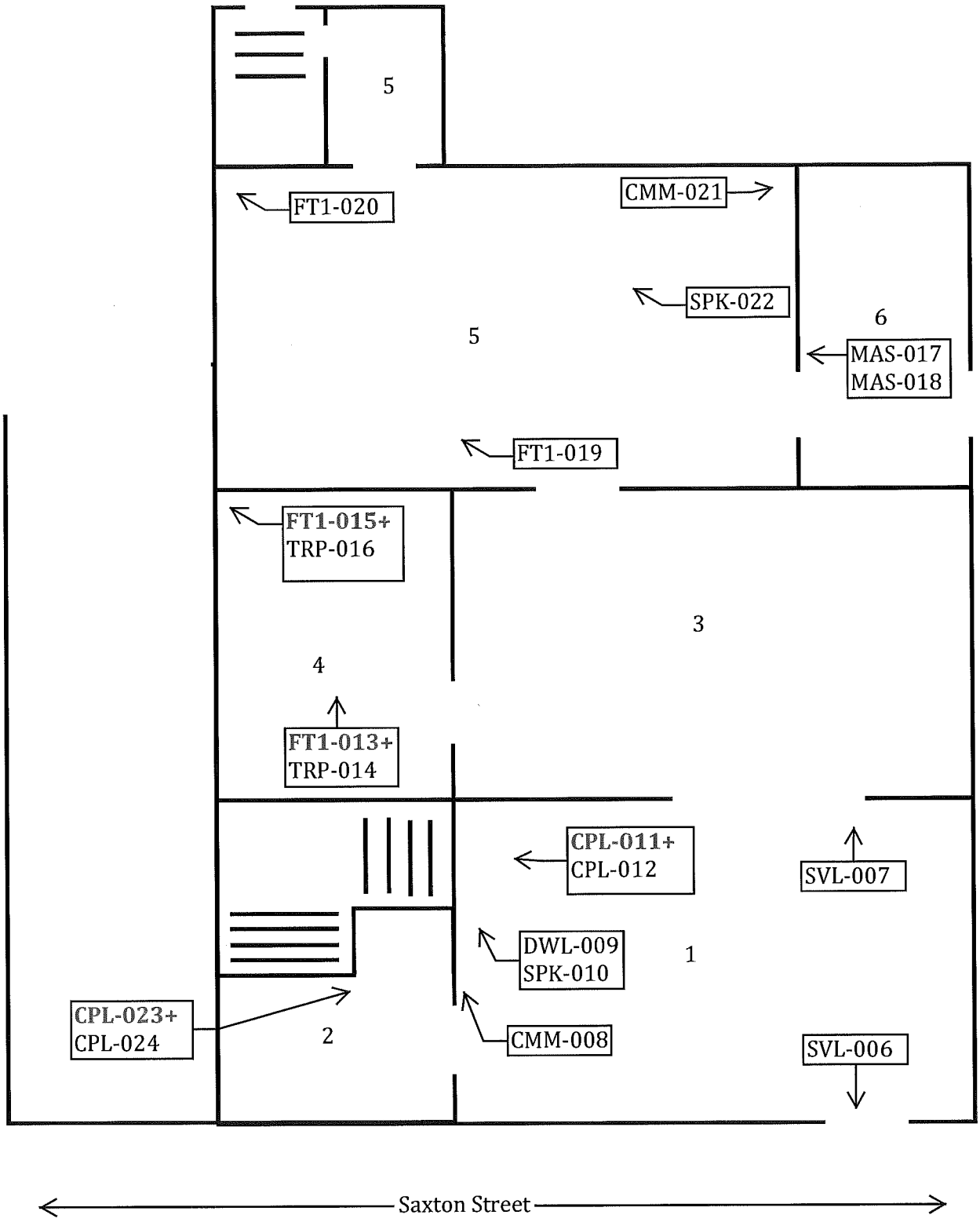
Paradigm certifies that this report regarding 14 Saxton Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on January 25, 2013.

Chris Enright
Envoy Environmental Consultants, Inc.
Inspector # AH 06-08603

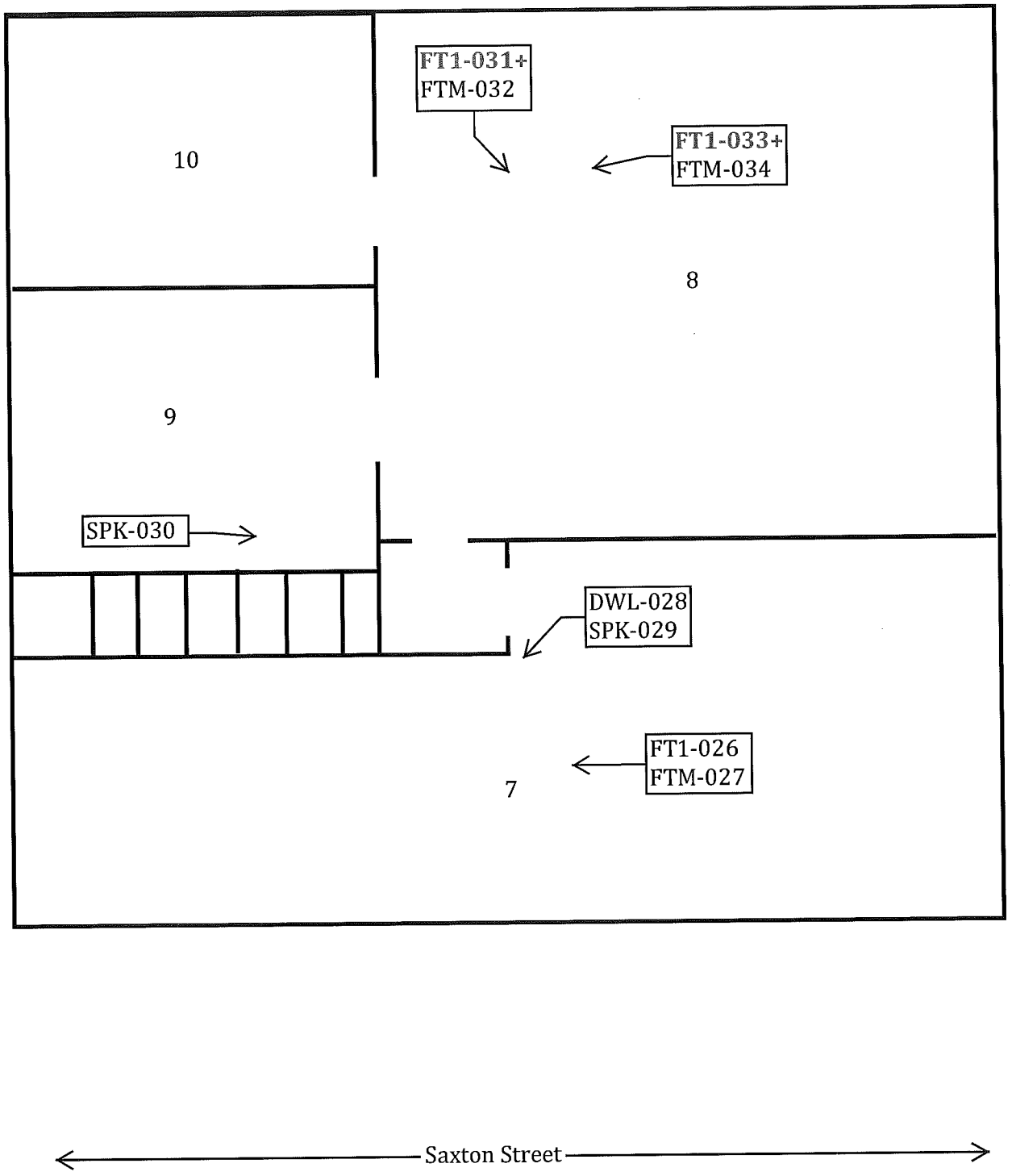
CLIENT: City of Rochester
LOCATION: 14 Saxton Street
AREA: Basement
JOB NUMBER: 12-0390



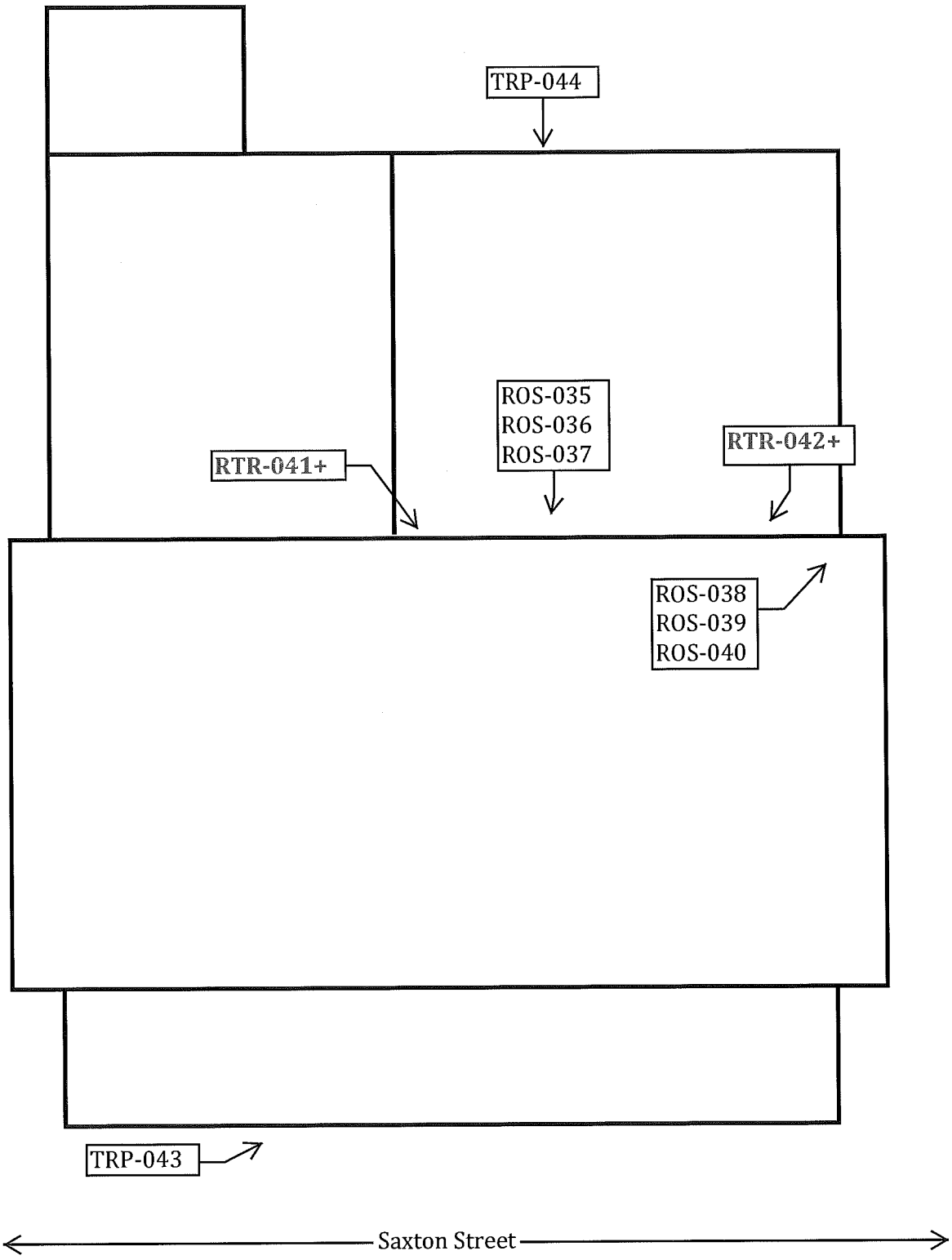
CLIENT: City of Rochester
LOCATION: 14 Saxton Street
AREA: First Floor
JOB NUMBER: 12-0390



CLIENT: City of Rochester
LOCATION: 14 Saxton Street
AREA: Second Floor
JOB NUMBER: 12-0390



CLIENT: City of Rochester
LOCATION: 14 Saxton Street
AREA: Exterior
JOB NUMBER: 12-0390



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 14 Saxton Street
Basement
Sample Date: 1/25/2013

Job No: 0820-13

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DIT-001	5530	On Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 50%	50%		Not Required	N/A	Cellulose 20%	30%
DIT-002	5531	On Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 57%	57%		Not Required	N/A	Cellulose 20%	23%
FT1-003	5532	Stairwell Landing	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-004	5533	Stairwell Landing	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SPK-005	5534	Stairwell Walls	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/28/2013
Microscope: Olympus BH-2 #235757
Analyst: *B. Weinman*

TEM Date Analyzed: 1/29/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo / Chuck Fox	**OFFICE USE ONLY**
Phone Number: 428-6922	**Fax Number:**	**Job #:** 0820-13
Job Ticket #: 65380	**Results To:** C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
Client Mailing Address:	**Date Sampled:** 1/25/13	**Material Type/Quantity:** Friable NOB TEM
	Project Location: 14 Saxton st	**Project Number:** 12/0390

Page ____ **of** ____

Date Logged In: 1/28/13

Logged In By: KS

1 of 6 COC

General Location: Basement

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT-001	5530	on ductwork		GRY		DIT	F
2	DIT-002	531	"		"		"	"
3	FTI-003	532	Stairwell landing		TAN	12x12	FTI	NF
4	FTM-004	533	"		"		FTM	"
5	SPK-005	534	Stairwell walls	Paint	WHT		SPK	"
6								
7								
8								
9								
10								

Sampled By: CE / TT **Date:** 1/25/13

Transported to Paradigm By: CE **Date:** 1/25/13

Received By: KS **Date:** 1/28/13

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 44

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 14 Saxton Street
1st Floor
Sample Date: 1/25/2013

Job No: 0821-13A

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-006	5535	Room 1, Floor, 1st Layer	White/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 10%	90%
SVL-007	5536	Room 1, Floor, 1st Layer	White/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 10%	90%
CMM-008	5537	Room 1, Wall Base	Tan Cove Molding Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
DWL-009	5538	Room 1, Walls	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
SPK-010	5539	Room 1, Walls	White Spackle	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
CPL-011	5540	Room 1, Ceiling Above Drywall	White Fibrous Ceiling Plaster	Chrysotile 5.3%	5.3%		Not Required	N/A	Talc 10%	84.7%
CPL-012	5541	Room 1, Ceiling Above Drywall	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/28/2013
Microscope: Olympus BH-2 #235757
Analyst: *B. Weinman*

TEM Date Analyzed: 1/29/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo / Chuck Fox	**OFFICE USE ONLY**
Phone Number: 428-6922	**Fax Number:**	**Job #:** 0821-13A
Job Ticket #: 65380	**Results To:** C. Enright	**Page** 2 **of** 2
Client Mailing Address:	**Date Sampled:** 1/25/13	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
	Project Location: 14 Saxton st	**Date Logged In:** 1/25/13
		Material Type/Quantity: Friable NOB TEM
		Project Number: 12/0390
		Logged In By: KS
		2 of 6 COC

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL - 006	5535	Rm 1, Floor, 1st layer		WHT/GRY		SVL	NF
2	SVL - 007	36	"		"		"	"
3	CMM - 008	37	Rm 1, Wall base	Drywall	TAN		CMM	"
4	DWL - 009	38	Rm 1, Walls		GRY		DWL	"
5	SPK - 010	39	"	Paint	WHT		SPK	"
6	CPL - 011	40	Rm 1, Ceiling above drywall	"	WHT		CPL	"
7	CPL - 012	41	"		GRY		CPL	"
8								
9								
10								

Sampled By: CE/TT	**Date:** 1/25/13	**CHECK ONE:** SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	**Date:** 1/25/13	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS**	[X]
Received By: KS	**Date:** 1/25/13	**or provide TEM contact name:**	
		TOTAL NUMBER OF SAMPLES IN SURVEY:	44

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 14 Saxton Street
First Floor
Sample Date: 1/25/2013

Job No: 0821-13B

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-013	5542	Room 4, Floor, Second Layer	White Fibrous 12"x12" Floor Tile	Chrysotile 13%	13%	√	Not Required	N/A	None Detected	87%
TRP-014	5543	Room 4, Floor, Second Layer	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 1%	99%
FT1-015	5544	Room 4, Floor, Second Layer	White Fibrous 12"x12" Floor Tile	Chrysotile 12%	12%	√	Not Required	N/A	None Detected	88%
TRP-016	5545	Room 4, Floor, Second Layer	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 1%	99%
MAS-017	5546	Room 6, Walls Behind Paneling	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-018	5547	Room 6, Walls Behind Paneling	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-019	5548	Room 5, Floor, First Layer	Green/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-020	5549	Room 5, Floor, First Layer	Green/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
CMM-021	5550	Room 5, Wall Base	Tan Cove Molding Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SPK-022	5551	Room 5, Ceiling	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/28/2013
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 1/29/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo / Chuck Fox	
Phone Number: 428-6922	**Fax Number:**	
Job Ticket #: 65380	**Results To:** C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
Client Mailing Address:	**Date Sampled:** 1/25/13	**Material Type/Quantity:** Friable NOB TEM
	Project Location: 14 Saxton st	**Project Number:** 12/0390

OFFICE USE ONLY

Job #: 0821-13B
Page 2 **of** 2
Date Logged In: 1/25/13
Logged In By: KS
3 of 6 COC

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FTI- 013	5542	Rm 4, Floor, 2nd layer		WHT	12x12	FTI	NF
2	TRP- 014	543	"	Fiberboard	Blk		TRP	"
3	FTI- 015	544	"		WHT	12x12	FTI	"
4	TRP- 016	545	"	Fiberboard	Blk		TRP	"
5	MAS- 017	546	Rm 6, walls behind paneling		TAN		MAS	"
6	MAS- 018	547	"		"		"	"
7	FTI- 019	548	Rm 5, Floor, 1st layer	TAN tile	GRN/Blk	12x12	FTI	"
8	FTI- 020	549	"		"	"	"	"
9	CMM- 021	550	Rm 5, wall base		TAN		CMM	"
10	SPK- 022	551	Rm 5, Ceiling	Paint	WHT		SPK	"

Sampled By: CE/TT **Date:** 1/25/13

Transported to Paradigm By: CE **Date:** 1/25/13

Received By: KS **Date:** 1/25/13

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]
or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 44

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 14 Saxton Street
First Floor - Room 2
Sample Date: 1/25/2013

Job No: 0822-13

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CPL-023	5552a	Ceiling Above Adhered Tile	Tan Spackle	Chrysotile 3.6%	3.6%		Not Required	N/A	None Detected	96.4%
CPL-023	5552b	Ceiling Above Adhered Tile	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-024	5553	Ceiling Above Adhered Tile	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
ACT-025	5554	Ceiling	Tan Fibrous 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 95% Fiberglass 2%	3%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/28/2013
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 1/29/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo / Chuck Fox	**OFFICE USE ONLY**
Phone Number: 428-6922	**Fax Number:**	**Job #:** 0822-13
Job Ticket #: 65380	**Results To:** C. Enright	**Page** 2 **of** 2
Client Mailing Address:	**Date Sampled:** 1/25/13	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
	Project Location: 14 Saxton st	**Date Logged In:** 1/25/13
		Material Type/Quantity: Friable NOB TEM
		Project Number: 12/0390
		Logged In By: KS
		4 of 6 COC

General Location: 1st Floor - Room 2

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CPL - 023	5552 A,B	Ceiling above adhered tile	Paint	WHT		CPL	NF
2	CPL - 024	553	"		GRY		"	"
3	ACT - 025	554	Ceiling		TAN	1x1	ACT	F
4								
5								
6								
7								
8								
9								
10								

Sampled By: CE / TT	**Date:** 1/25/13	**CHECK ONE:** SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	**Date:** 1/25/13	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	[X]
Received By: KS	**Date:** 1/25/13	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	44

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 14 Saxton Street
Second Floor
Sample Date: 1/25/2013

Job No: 0823-13

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-026	5555	Room 7, Floor	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-027	5556	Room 7, Floor	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
DWL-028	5557	Room 7, Walls	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
SPK-029	5558	Room 7, Walls	White Spackle	None Detected	0%		None Detected	N/A	None Detected	100%
SPK-030	5559	Room 9, Walls	White Spackle	None Detected	0%		None Detected	N/A	None Detected	100%
FT1-031	5560	Room 8, Floor, Second Layer	Gray 12"x12" Floor Tile	Chrysotile 3.1%	3.1%	√	Not Required	N/A	None Detected	96.9%
FTM-032	5561	Room 8, Floor, Second Layer	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-033	5562	Room 8, Floor, Second Layer	Gray 12"x12" Floor Tile	Chrysotile 3.8%	3.8%	√	Not Required	N/A	None Detected	96.2%
FTM-034	5563	Room 8, Floor, Second Layer	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

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PLM Date Analyzed: 1/28/2013
Microscope: Olympus BH-2 #235757
Analyst: *B. Weinman*

TEM Date Analyzed: 1/29/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo / Chuck Fox	**OFFICE USE ONLY**
Phone Number: 428-6922	**Fax Number:**	**Job #:** 0823-13
Job Ticket #: 65380	**Results To:** C. Enright	**Turn Around Time:** 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Client Mailing Address:	**Date Sampled:** 1/25/13	**Material Type/Quantity:** Friable NOB TEM
	Project Location: 14 Saxton st	**Project Number:** 12/0390

Page 5 **of** 6

Date Logged In: 1/25/13

Logged In By: KS

5 of 6 COC

General Location: 2nd Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FTI - 026	5555	Rm 7, Floor		TAN	12x12	FTI	NF
2	FTM - 027	56	"		"		FTM	"
3	DWL - 028	57	Rm 7, walls		GRY		DWL	"
4	SPK - 029	58	"	Paint	WHT		SPK	"
5	SPK - 030	59	Rm 9, walls	"	"		"	"
6	FTI - 031	60	Rm 8, Floor, 2nd layer		GRY	12x12	FTI	"
7	FTM - 032	61	"		Blk		FTM	"
8	FTI - 033	62	"		GRY	12x12	FTI	"
9	FTM - 034	63	"		Blk		FTM	"
10								

Sampled By: CE / TT **Date:** 1/25/13

Transported to Paradigm By: CE **Date:** 1/25/13

Received By: KS **Date:** 1/25/13

CHECK ONE: **SURVEY** ☒ **BULKS ONLY** ☐

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ☒

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 44

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PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 14 Saxton Street
Exterior
Sample Date: 1/25/2013

Job No: 0824-13

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
ROS-035	5564	Roof, First Layer	White/Black Roof Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-036	5565	Roof, Second Layer	Green/Black Roof Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-037	5566	Roof, Third Layer	Gray/Black Fibrous Roof Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Synthetic 10%	90%
ROS-038	5567	Roof, First Layer	White/Black Roof Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-039	5568	Roof, Second Layer	Green/Black Roof Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-040	5569	Roof, Third Layer	Gray/Black Fibrous Roof Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Synthetic 10%	90%
RTR-041	5570	Along House	Black Fibrous Roofing Cement/Tar	Chrysotile 30%	30%	√	Not Required	N/A	None Detected	70%
RTR-042	5571	Along House	Black Fibrous Roofing Cement/Tar	Chrysotile 25%	25%	√	Not Required	N/A	None Detected	75%
TRP-043	5572	Behind Wood Siding	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Synthetic 2%	98%
TRP-044	5573	Behind Wood Siding	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Synthetic 2%	98%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

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PLM Date Analyzed: 1/28/2013
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 1/29/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo / Chuck Fox	
Phone Number: 428-6922	**Fax Number:**	
Job Ticket #: 65380	**Results To:** C. Enright	**Turn Around Time:** 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Client Mailing Address:	**Date Sampled:** 1/25/13	**Material Type/Quantity:** Friable NOB TEM
	Project Location: 14 Saxton st	**Project Number:** 12/0390

OFFICE USE ONLY

Job #: 0824-13
Page 2 **of** 2
Date Logged In: 1/25/13
Logged In By: KS
6 of 6 COC

General Location: Exterior

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	ROS- 035	5564	Roof, 1st layer		WHT/BLK		ROS	NF
2	ROS- 036	65	" , 2nd "		GRN/BLK		"	"
3	ROS- 037	66	" , 3rd "		GRY/BLK		"	"
4	ROS- 038	67	" , 1st "		WHT/BLK		"	"
5	ROS- 039	68	" , 2nd "		GRN/BLK		"	"
6	ROS- 040	69	" , 3rd "		GRY/BLK		"	"
7	RTR- 041	70	along house		BLK		RTR	"
8	RTR- 042	71	"		"		"	"
9	TRP- 043	72	behind wood siding		BLK		TRP	"
10	TRP- 044	73	"		"		"	"

Sampled By: CE/TT **Date:** 1/25/13

Transported to Paradigm By: CE **Date:** 1/25/13

Received By: KS **Date:** 1/25/13

CHECK ONE: **SURVEY** ☒ **BULKS ONLY** ☐

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ☒

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 44

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Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative -- Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 46232

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National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates

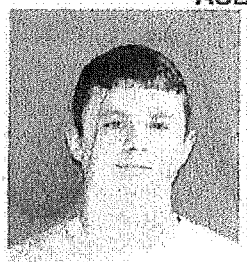
DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



CHRISTOPHER R ENRIGHT
CLASS(EXPIRES)
C ATEC(01/13) D INSP(01/13)
H PM (01/13)

DEPARTMENT OF LABOR

CERT# 06-08603
DMV# 584150912

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

THEODORE A TRONNES
CLASS(EXPIRES)
C ATEC(06/13) D INSP(06/13)
H PM (06/13)

DEPARTMENT OF LABOR

CERT# 07-00223
DMV# 775062693

MUST BE CARRIED ON ASBESTOS PROJECTS

PRE-DEMOLITION
ASBESTOS SURVEY

at

33 Tilden Street
Rochester, New York

Prepared for:

City of Rochester
City Hall Room 028B
30 Church Street
Rochester, New York 14614

December 27-31, 2011

Report Prepared By:
Paradigm Environmental Services, Inc.
179 Lake Avenue, Rochester, New York 14608 (585) 647-2530
Job Number 11-1133

33 TILDEN STREET
ROCHESTER, NEW YORK

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MATERIALS LIST

ASBESTOS CONTAINING MATERIALS
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CERTIFICATIONS

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 11-1133

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **December 27-31, 2011** to conduct an inspection for the detection of asbestos containing materials located at **33 Tilden Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Chris Enright (AH#06-08603) and Laurie Sisson (AH#07-09581) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **33 Tilden Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **33 Tilden Street, Rochester, New York** on **December 27-31, 2011**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.

- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.

- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	***Sample #'s taken in Room***	***Positive Sample ID #***	***Positive Material Description***	***Location of Material***	***Condition***	***Friable Non-Friable NOB***	***Type of Material***	***SQ FT***	***Lin FT***	***Units***

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
33 Tilden Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
WPL-005	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-006	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-007	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-008	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
STC-009	White Stucco	None Detected	Not Required	Non-Friable
WPL-016	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-017	Gray Wall Plaster	None Detected	Not Required	Non-Friable
MAS-018	Black Mastic	Chrysotile 9.3%	Not Required	NOB
CPL-019	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-020	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
STC-021	White Stucco	None Detected	Not Required	Non-Friable
GRT-030	White Grout	None Detected	Not Required	Non-Friable
GRT-031	White Grout	None Detected	Not Required	Non-Friable
CRM-032	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
CRM-033	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-042	Black Mastic	Chrysotile 15%	Not Required	NOB
WPL-043	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-044	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-045	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-046	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
STC-047	White Stucco	None Detected	Not Required	Non-Friable
DWL-059	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-060	White Spackle	None Detected	Not Required	Non-Friable
SPK-061	White Spackle	None Detected	Not Required	Non-Friable
Flooring Materials				
FT1-010	Gray/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-011	Gray/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-012	White 12"x12" Floor Tile	Chrysotile 3.8%	Not Required	NOB
FT1-013	White 12"x12" Floor Tile	Chrysotile 3.5%	Not Required	NOB
SVL-014	Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-015	Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-022	Tan/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-023	Tan/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-024	Blue 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-025	Yellow Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-026	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-027	Blue 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB

MATERIALS TESTED
33 Tilden Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
FTM-028	Yellow Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-029	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-034	White/Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-035	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-036	White/Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-037	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-038	Green/Gray Sheet Vinyl and Backing	Chrysotile 28%	Not Required	Friable
SVM-039	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-040	Green/Gray Sheet Vinyl and Backing	Chrysotile 31%	Not Required	Friable
SVM-041	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-048	Beige 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-049	Beige 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-050	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	Chrysotile 17.6%	NOB
FTM-051	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
FT1-052	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-053	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-054	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-055	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-056	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-057	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-058	Red/Black Linoleum and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-062	Tan/Black Linoleum and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-063	Tan/Black Linoleum and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
Thermal Systems Insulation				
DIT-001	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
DIT-002	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
DIT-003	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
Miscellaneous Materials				
TRN-004	Gray Transite	Chrysotile 33%	Not Required	Non-Friable

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 11-1133

MATERIALS TESTED
33 Tilden Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Window Caulk and Glaze				
WIG-064	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
WIG-065	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
Exterior Materials				
TRP-066	Brown Tar Paper	None Detected	Not Required	Non-Friable
TRP-067	Brown Tar Paper	None Detected	Not Required	Non-Friable
Roofing Materials				
ROF-068	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-069	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-070	Black Roofing Shingles	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-071	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-072	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-073	Black Roofing Shingles	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-074	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-075	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
33 Tilden Street
Rochester, New York

Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	001-004	DIT-001, 002, 003 TRN-004	Gray Duct Insulation Tape Gray Transite	On Ductwork Pipe Going Into Chimney	Fair Good	Friable Non-Friable	TSI Misc	 2	45	
First Floor										
1 234 square feet	None	DIT-001	Gray Duct Insulation Tape	Around Vent	Fair	Friable	TSI		4	
2	005-009	None	No Asbestos Detected					0	0	0
3 154 square feet	010-021	FT1-012, 013 MAS-018	White 12"x12" Floor Tile Black Mastic	Floor - 2nd Layer Four Feet Up Walls Behind Wallboard	Good Good	NOB NOB	Misc Misc	154 200		
4 140 square feet	None	DIT-001	Gray Duct Insulation Tape	Around Vent	Fair	Friable	TSI		4	
5 56 square feet	022-037	None	No Asbestos Detected					0	0	0
6 140 square feet	None	DIT-001	Gray Duct Insulation Tape	Around Vent	Fair	Friable	TSI		4	
7 24 square feet	038-042	SVL-038, 040 MAS-042	Green/Gray Sheet Vinyl and Backing Black Mastic	Floor Wall Behind Paneling	Good Good	Friable NOB	Misc Misc	24 100		
Second Floor										
8 204 square feet	045, 046	None	No Asbestos Detected					0	0	0
9 154 square feet	047	None	No Asbestos Detected					0	0	0
10 154 square feet	048-055	FT1-050	Tan 12"x12" Floor Tile	Floor - 2nd Layer	Good	NOB	Misc	154		
11 140 square feet	None	None	No Asbestos Detected					0	0	0
12 56 square feet	None	SVL-040	Green/Gray Sheet Vinyl and Backing	Floor - 2nd Layer	Fair	Friable	Misc	56		
13 130 square feet	None	None	No Asbestos Detected					0	0	0
14 24 square feet	056, 057	DIT-001 SVL-040	Gray Duct Insulation Tape Green/Gray Sheet Vinyl and Backing	Around Vent Floor - 2nd Layer	Fair Fair	Friable Friable	TSI Misc	 24	6	
15 Stairwell 54 square feet	058	FT1-050	Tan 12"x12" Floor Tile	Floor - 1st Layer of Bottom Landing	Good	NOB	Misc	9		
16 Stairwell	059-061	None	No Asbestos Detected					0	0	0
Attic										
Attic	062, 063	None	No Asbestos Detected					0	0	0

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 11-1133

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
33 Tilden Street
Rochester, New York

Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Exterior										
Exterior 1296 square feet	064-075	Assume	Black Roofing Cement/Tar	Around Chimney and Vent Pipe	Good	Non-Friable	Misc	10		
								733	63	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

***** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.***

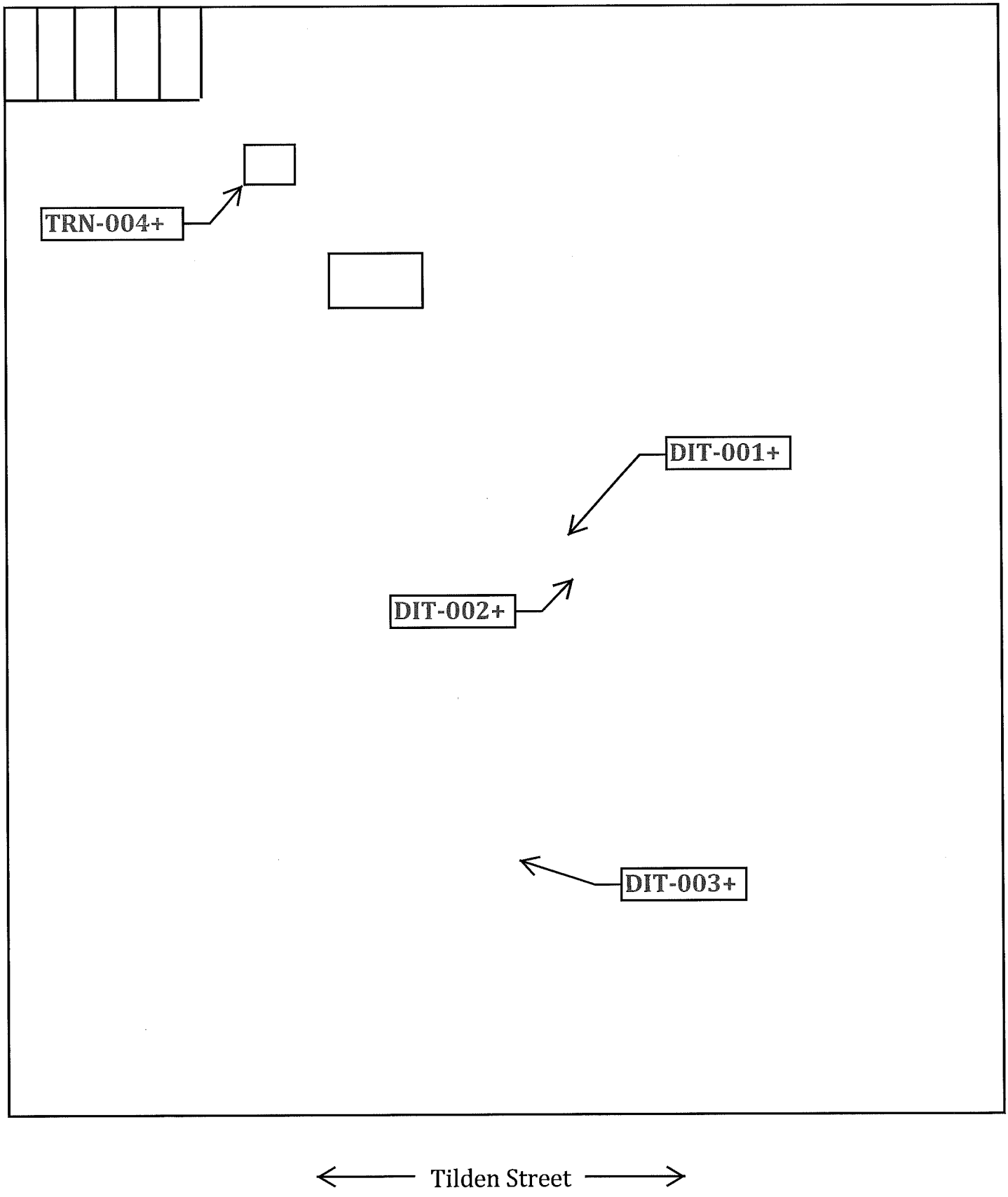
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

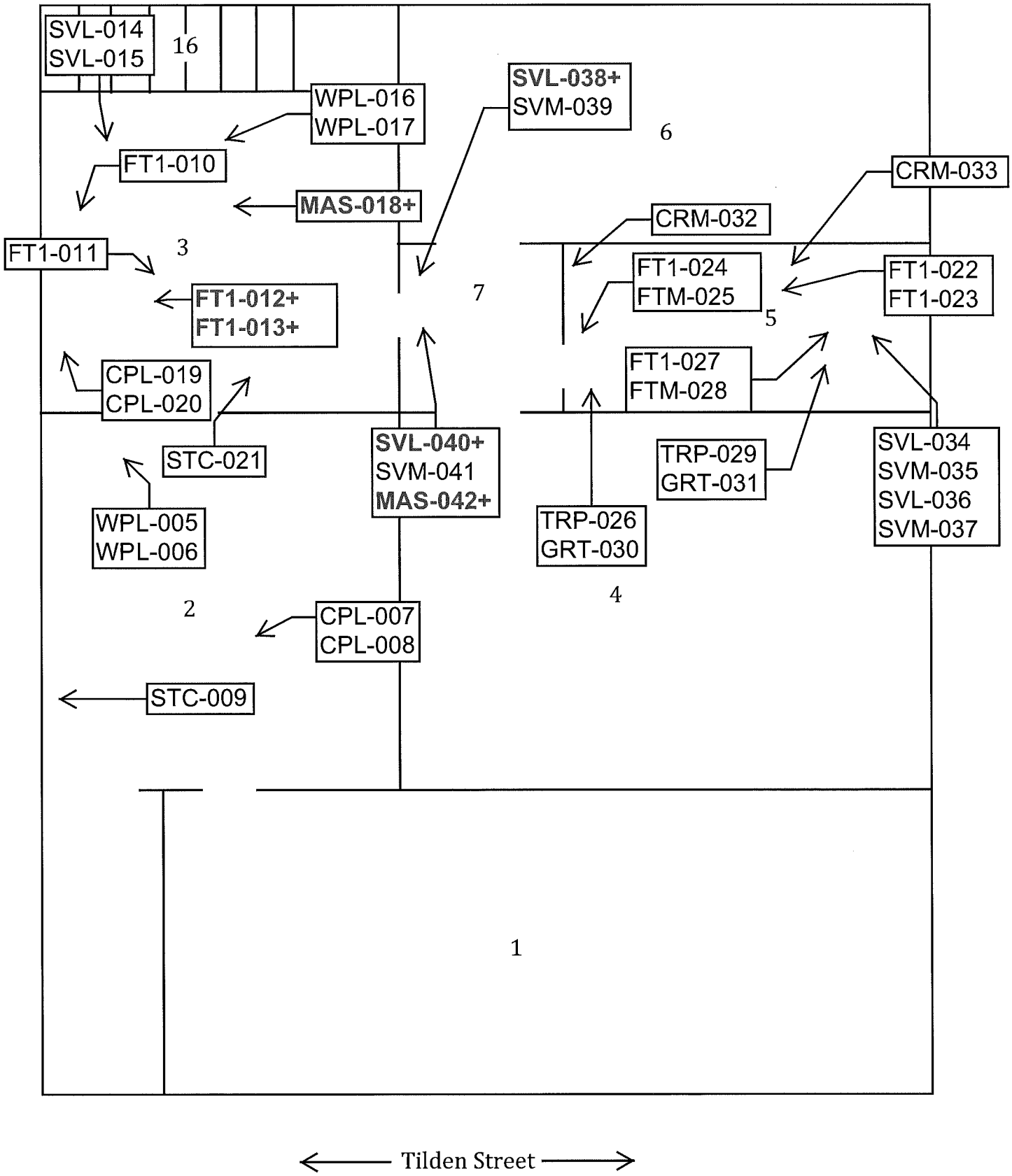
Paradigm certifies that this report regarding 33 Tilden Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on December 27, 2011.

Chris Enright
Envoy Environmental Consultants, Inc.
Inspector # AH 06-08603

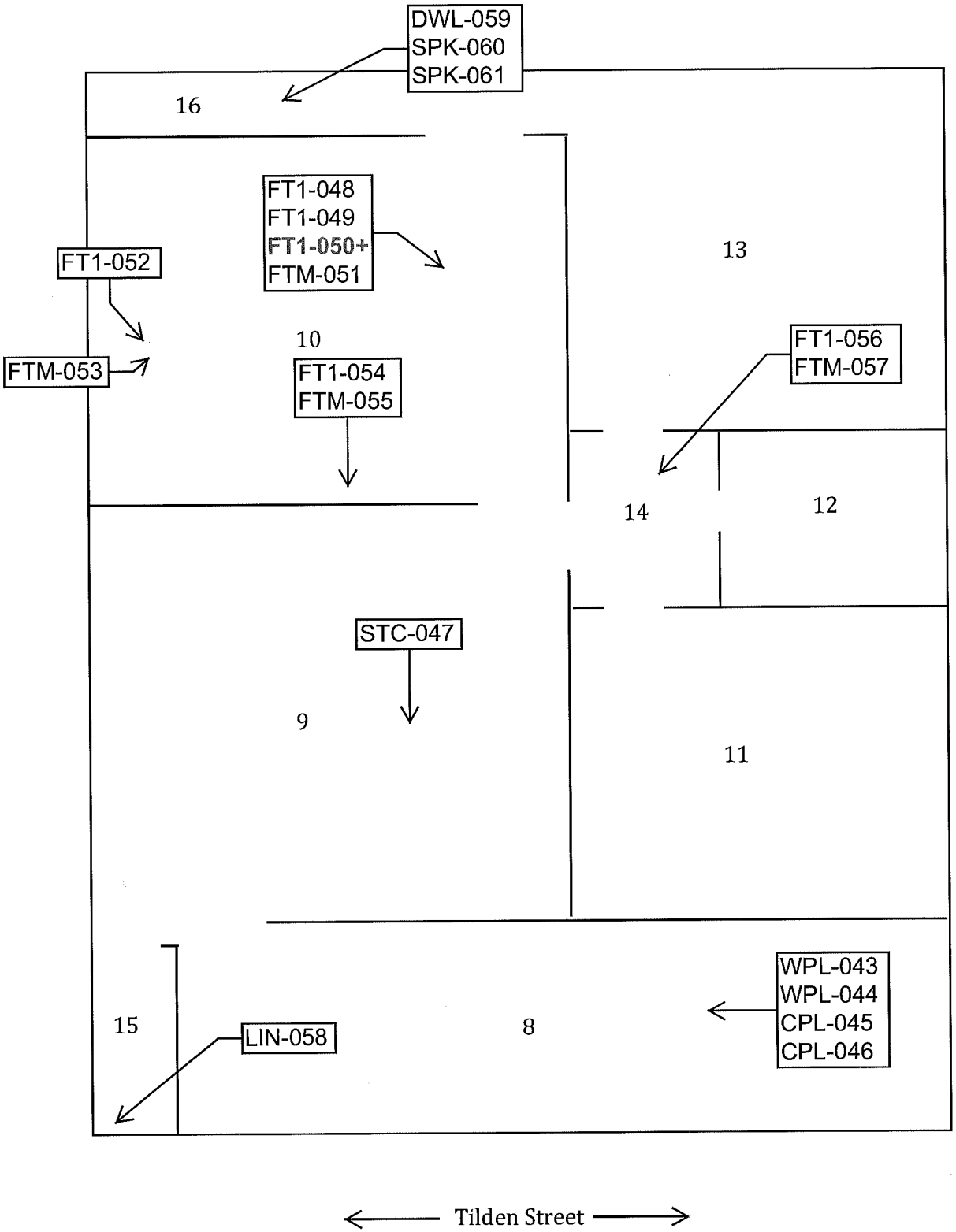
CLIENT: City of Rochester
LOCATION: 33 Tilden Street
AREA: Basement
DATE: December 27 - 31, 2011
JOB NUMBER: 11-1133



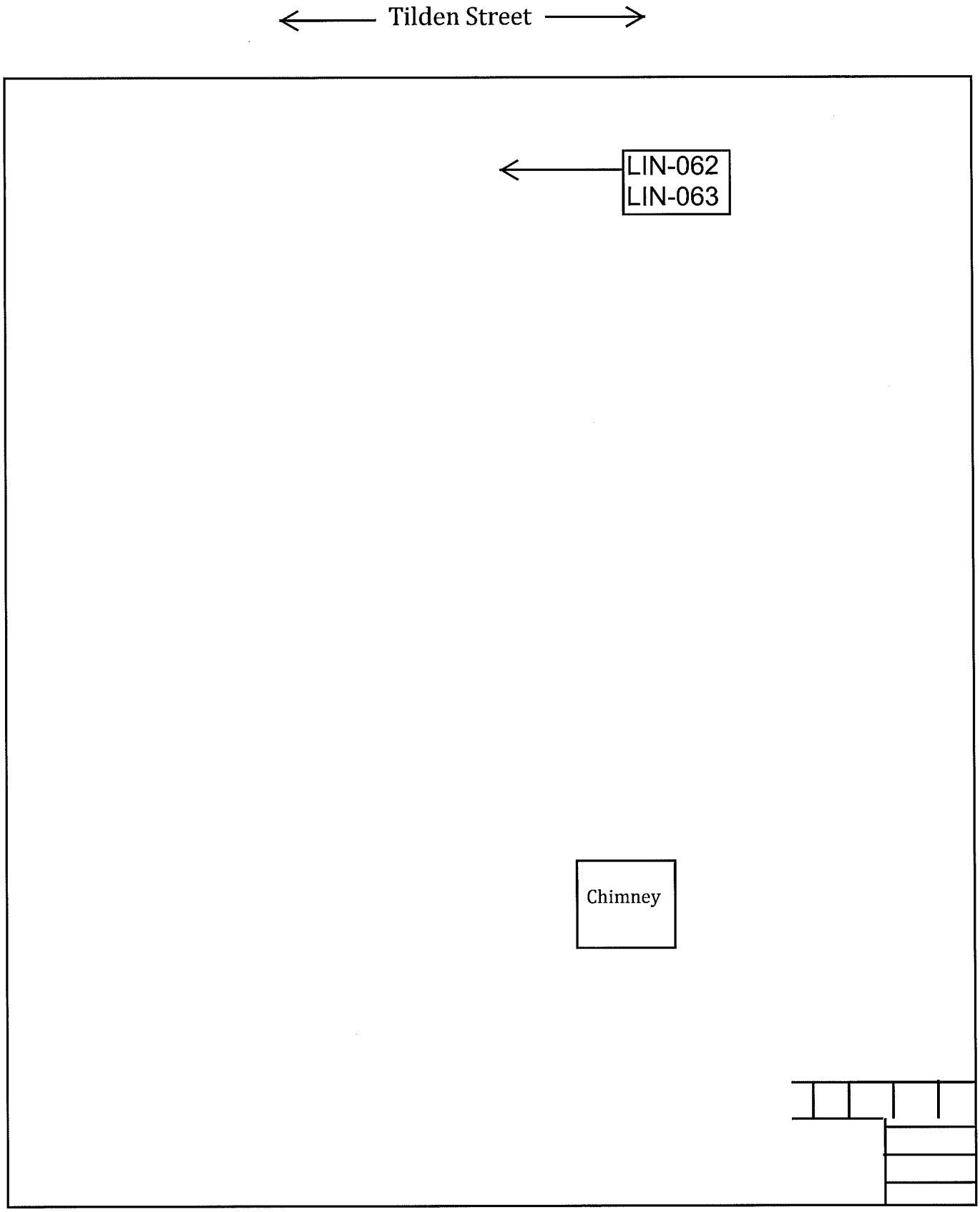
CLIENT: City of Rochester
LOCATION: 33 Tilden Street
AREA: First Floor
DATE: December 27 - 31, 2011
JOB NUMBER: 11-1133



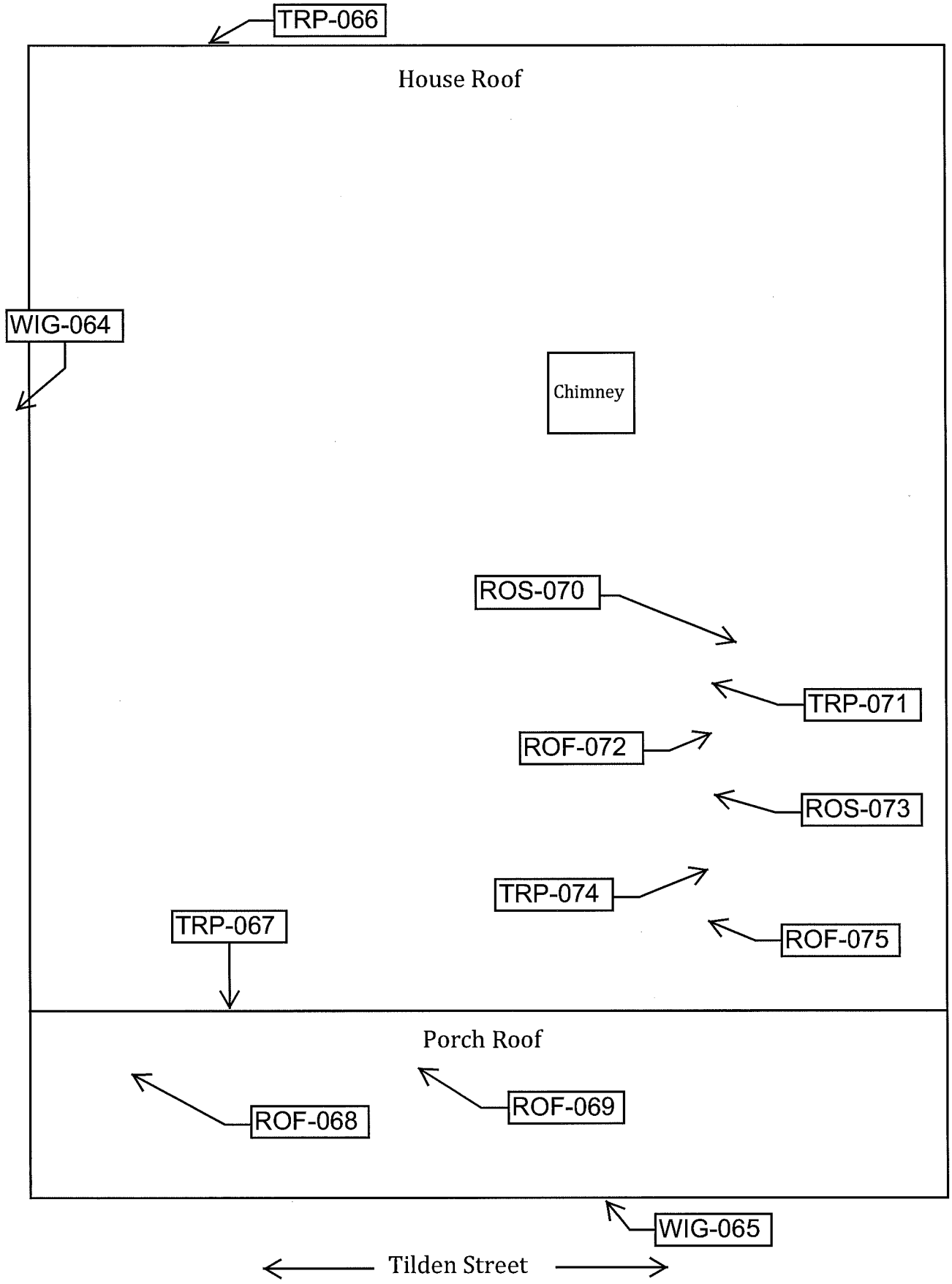
CLIENT: City of Rochester
LOCATION: 33 Tilden Street
AREA: Second Floor
DATE:
JOB NUMBER: 11-1133



CLIENT: City of Rochester
LOCATION: 33 Tilden Street
AREA: Attic
DATE: December 27 - 31, 2011
JOB NUMBER: 11-1133



CLIENT: City of Rochester
LOCATION: 33 Tilden Street
AREA: Exterior
DATE: December 27 - 31, 2011
JOB NUMBER: 11-1133



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
Basement
Sample Date: 12/27/2011

Job No: 0035-12
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DIT-001	222	On Duct Work	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DIT-002	223	On Duct Work	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DIT-003	224	On Duct Work	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
TRN-004	225	Pipe Going into Chimney	Gray Fibrous Transite	Chrysotile 33%	33%		Not Required	N/A	None Detected	67%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/19/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

ENVOY
environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Job Ticket #: 53736	**Client:** City of Rochester	**Contact:** Curt Columbo | Chuck Fox
Client Mailing Address: 30 Church St, Rm 0283	**Phone Number:** 428-6922	**Fax Number:**
Rochester NY 14614	**Results To:** C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
	Date Sampled: 12/27/11	**Material Type/Quantity:** Friable NOB TEM
	Project Location: 33 Tilden St	**Project Number:** 11/1133

Job #: 0035-12
Page 2 of 2
Date Logged In: 1/4/12
Logged In By: KS
1 of 10 COC

General Location: Basement

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT-001	222	on ductwork	Paint	GRY		DIT	F
2	DIT-002	223	"	"	"		"	"
3	DIT-003	224	"		"		"	"
4	TRN-004	225	pipe going into Chimney		GRY		TRN	NF
5								
6								
7								
8								
9								
10								

Sampled By: CE | JS	**Date:** 12/27/11		
Transported to Paradigm By: CE	**Date:** 12/27/11		
Received By: KS	**Date:** 1/4/12		

CHECK ONE: SURVEY [X] BULKS ONLY [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: 75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
First Floor
Sample Date: 12/27/2011

Job No: 0036-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WPL-005	226	Room 2 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-006	227	Room 2 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
CPL-007	228	Room 2 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	229	Room 2 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
STC-009	230	Room 2 Ceiling	White Stucco	None Detected	0%		Not Required	N/A	None Detected	100%
FT1-010	231	Room 3 Floor 1st Layer	Gray/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-011	232	Room 3 Floor 1st Layer	Gray/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-012	233	Room 3 Floor 2nd Layer	White 12"x12" Floor Tile	Chrysotile 3.8%	3.8%	√	Not Required	N/A	None Detected	96.2%
FT1-013	234	Room 3 Floor 2nd Layer	White 12"x12" Floor Tile	Chrysotile 3.5%	3.5%	√	Not Required	N/A	None Detected	96.5%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012 **TEM Date Analyzed:** 2/9/2012
Microscope: Olympus BH-2 #233173 **TEM Analyst:** M. Lochner
Analyst: *F. Weinman*

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

ENVOY
environmental consultants, inc.
145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Job Ticket #: 53736	**Client:** City of Rochester	**Contact:** Curt Columbo | Chuck Fox
	Phone Number: 428-6922	**Fax Number:**
	Results To: C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
Client Mailing Address: 30 Church St, Rm 028B	**Date Sampled:** 12/27/11	**Material Type/Quantity:** Friable NOB TEM
Rochester NY 14614	**Project Location:** 33 Tilden St	**Project Number:** 11/1133

Job #: 0036-12
Page 2 **of** 2
Date Logged In: 1/4/12
Logged In By: KS
2 of 10 COC

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WPL - 005	226	Rm 2, walls	Paint	WHT		WPL	NF
2	WPL - 006	227	"	"	GRY		"	"
3	CPL - 007	228	Rm 2, Ceiling	Wallpaper	WHT		CPL	"
4	CPL - 008	229	"		GRY		"	"
5	STC - 009	230	"	Wallpaper, Paint	WHT		STC	"
6	FTI - 010	231	Rm 3, Floor, 1st layer		GRY/BLK	12x12	FTI	"
7	FTI - 011	232	"		"	"	"	"
8	FTI - 012	233	Rm 3, Floor, 2nd layer		WHT	"	"	"
9	FTI - 013	234	"		"	"	"	"
10								

Sampled By: CE | JS	**Date:** 12/27/11	**CHECK ONE:** SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	**Date:** 12/27/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	[X]
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
First Floor
Sample Date: 12/27/2011

Job No: 0037-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-014	235	Room 3 Floor 3rd Layer	Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-015	236	Room 3 Floor 3rd Layer	Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WPL-016	237	Room 3 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-017	238	Room 3 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair <1.0%	100%
MAS-018	239	Room 3 Behind Wallboard - 4 Feet Up Walls	Black Mastic	Chrysotile 9.3%	9.3%	√	Not Required	N/A	None Detected	90.7%
CPL-019	240	Room 3 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-020	241	Room 3 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair <1.0%	100%
STC-021	242	Room 3 Ceiling	White Stucco	None Detected	0%		Not Required	N/A	None Detected	100%
FT1-022	243	Room 5 Floor 1st Layer	Tan/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-023	244	Room 5 Floor 1st Layer	Tan/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 2/9/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Job Ticket #: 53736	**Client:** City of Rochester	**Contact:** Curt Columbo | Chuck Fox
Client Mailing Address: 30 Church St, Rm 028B, Rochester NY 14614	**Phone Number:** 428-6922	**Fax Number:**
	Results To: C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
	Date Sampled: 12/27/11	**Material Type/Quantity:** Friable NOB TEM
	Project Location: 33 Tilden St	**Project Number:** 11/1133

Job #: 0037-12
Page 2 of 2
Date Logged In: 1/4/12
Logged In By: KS
3 of 10 COC

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL - 014	235	Rm 3, Floor, 3rd layer		GRY		SVL	NF
2	SVL - 015	236	"		"		"	"
3	WPL - 016	237	Rm 3, Walls	Paint	WHT		WPL	"
4	WPL - 017	238	"		GRY		"	"
5	MAS - 018	239	Rm 3, behind wallboard 4ft up walls		BLK		MAS	"
6	CPL - 019	240	Rm 3, Ceiling		WHT		CPL	"
7	CPL - 020	241	"		GRY		"	"
8	STC - 021	242	Rm 3, Ceiling	Paint	WHT		STC	"
9	FTI - 022	243	Rm 5, Floor, 1st layer		TAN/BLK	12x12	FTI	"
10	FTI - 023	244	"		"	"	"	"

Sampled By: CE | JS	**Date:** 12/27/11	**CHECK ONE:** SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	**Date:** 12/27/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	[X]
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
First Floor, Room 5
Sample Date: 12/27/2011

Job No: 0038-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-024	245	Floor 2nd Layer	Blue 12"x12" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-025	246	Floor 2nd Layer	Yellow Floor Tile Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-026	247	Floor 3rd Layer	Black Fibrous Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 40%	60%
FT1-027	248	Floor 2nd Layer	Blue 12"x12" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-028	249	Floor 2nd Layer	Yellow Floor Tile Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-029	250	Floor 3rd Layer	Black Fibrous Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 40%	60%
GRT-030	251	Shower Backsplash	White Grout	None Detected	0%		Not Required	N/A	None Detected	100%
GRT-031	252	Shower Backsplash	White Grout	None Detected	0%		Not Required	N/A	None Detected	100%
CRM-032	253	Shower Backsplash	Tan Ceramic Tile Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
CRM-033	254	Shower Backsplash	Tan Ceramic Tile Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 2/1/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Job Ticket #: 53736	**Client:** City of Rochester	**Contact:** Curt Columbo | Chuck Fox
	Phone Number: 428-6922	**Fax Number:**
	Results To: C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
Client Mailing Address: 30 Church St, Rm 0281B	**Date Sampled:** 12/27/11	**Material Type/Quantity:** Friable NOB TEM
Rochester NY 14614	**Project Location:** 33 Tilden St	**Project Number:** 11/1133

Job #: 0038-12
Page ____ **of** ____
Date Logged In: 1/4/12
Logged In By: KS
4 of 10 COC

General Location: 1st Floor - Room 5

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FTI - 024	245	Floor, 2nd layer		Blue	12x12	FTI	NF
2	FTM - 025	246	" "		YLW		FTM	"
3	TRP - 026	247	" 3rd layer		Blk		TRP	"
4	FTI - 027	248	" 2nd "		Blue	12x12	FTI	"
5	FTM - 028	249	" " "		YLW		FTM	"
6	TRP - 029	250	" 3rd "		Blk		TRP	"
7	GRT - 030	251	Shower backsplash		WHT		GRT	"
8	GRT - 031	252	"		"		"	"
9	CRM - 032	253	"	Paint	TAN		CRM	"
10	CRM - 033	254	"	"	"		"	"

Sampled By: CE | JS **Date:** 12/27/11

Transported to Paradigm By: CE **Date:** 12/27/11

Received By: KS **Date:** 1/4/12

CHECK ONE: SURVEY [X] BULKS ONLY [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]
or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
First Floor
Sample Date: 12/27/2011

Job No: 0039-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-034	255	Room 5 - 4 Feet Up Walls	White/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 20% Wollastonite 10% Fiberglass 15%	55%
SVM-035	256	Room 5 - 4 Feet Up Walls	Tan Fibrous Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 15% Wollastonite 10%	75%
SVL-036	257	Room 5 - 4 Feet Up Walls	White/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 20% Wollastonite 10% Fiberglass 15%	55%
SVM-037	258	Room 5 - 4 Feet Up Walls	Tan Fibrous Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 15% Wollastonite 10%	75%
SVL-038	259	Room 7 Floor	Green/Gray Fibrous Sheet Vinyl and Backing	Chrysotile 28%	28%		Not Required	N/A	None Detected	72%
SVM-039	260	Room 7 Floor	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-040	261	Room 7 Floor	Green/Gray Fibrous Sheet Vinyl and Backing	Chrysotile 31%	31%		Not Required	N/A	None Detected	69%
SVM-041	262	Room 7 Floor	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-042	263	Room 7 Wall Behind Paneling	Black Fibrous Mastic	Chrysotile 15%	15%	√	Not Required	N/A	None Detected	85%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 2/9/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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Client: City of Rochester	**Contact:** Curt Columbo | Chuck Fox	**Job #:** 0039-12
Phone Number: 428-6922	**Fax Number:**	**Page** ____ **of** ____
Job Ticket #: 53736	**Results To:** C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
Client Mailing Address: 30 Church St, Rm 028B	**Date Sampled:** 12/27/11	**Date Logged In:** 1/4/12
Rochester NY 14614	**Project Location:** 33 Tilden St	**Logged In By:** KS
		Project Number: 11/1133
		5 of 10 COC

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL - 034	255	Rm 5, 4ft up walls		WHT/GRY		SVL	NF
2	SVM - 035	56	"		TAN		SVM	"
3	SVL - 036	57	"		WHT/GRY		SVL	"
4	SVM - 037	58	"		TAN		SVM	"
5	SVL - 038	59	Rm 7, Floor		GRN/GRY		SVL	"
6	SVM - 039	60	"		TAN		SVM	"
7	SVL - 040	61	"		GRN/GRY		SVL	"
8	SVM - 041	62	"		TAN		SVM	"
9	MAS - 042	63	Rm 7, Walls behind paneling		BLK		MAS	"
10			"					

Sampled By: CE | JS	**Date:** 12/27/11	**CHECK ONE:** SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	**Date:** 12/27/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	[X]
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
Second Floor
Sample Date: 12/31/2011

Job No: 0040-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WPL-043	264	Room 8 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-044	265	Room 8 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2% Cellulose <1.0%	98%
CPL-045	266	Room 8 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-046	267	Room 8 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2% Cellulose <1.0%	98%
STC-047	268	Room 9 Ceiling	White Stucco	None Detected	0%		Not Required	N/A	None Detected	100%
FT1-048	269	Room 10 Floor 1st Layer	Beige 12"x12" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-049	270	Room 10 Floor 1st Layer	Beige 12"x12" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 2/1/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo | Chuck Fox	**Job #:** 0040-12
Phone Number: 428-6922	**Fax Number:**	**Page** 2 **of** 2
Job Ticket #: 53758	**Results To:** C. Enright	**Turn Around Time:** 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Client Mailing Address: 30 Church St, Rm 0281B	**Date Sampled:** 12/31/11	**Material Type/Quantity:** Friable NOB TEM
Rochester NY 14614	**Project Location:** 33 Tilden St	**Project Number:** 11/1133

Date Logged In: 1/4/12
Logged In By: KS
6 of 10 COC

General Location: 2nd Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WPL-043	264	Rm 8, Walls	Paint	WHT		WPL	NF
2	WPL-044	265	"		GRY		"	"
3	CPL-045	266	Rm 8, Ceiling	Paint	WHT		CPL	"
4	CPL-046	267	"		GRY		"	"
5	STC-047	268	Rm 9, Ceiling	Paint, wallpaper	WHT		STC	"
6	FTI-048	269	Rm 10, Floor, 1st layer		Beige	12x12	FTI	"
7	FTI-049	270	"		"	"	"	"
8								
9								
10								

Sampled By: CE | JS	**Date:** 12/31/11	**CHECK ONE:** SURVEY ☒	BULKS ONLY ☐
Transported to Paradigm By: CE	**Date:** 12/31/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	☒
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
Second Floor
Sample Date: 12/31/2012

Job No: 0041-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-050	271	Room 10 Floor 2nd Layer	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	Chrysotile 17.6%	17.6%	None Detected	100%
FTM-051	272	Room 10 Floor 2nd Layer	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FT1-052	273	Room 10 Floor 2nd Layer	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-053	274	Room 10 Floor 2nd Layer	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-054	275	Room 10 Countertop	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-055	276	Room 10 Countertop	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-056	277	Room 14 Floor 1st Layer	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-057	278	Room 14 Floor 1st Layer	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
LIN-058	279	Room 15 Bottom Landing 2nd Layer	Red/Black Fibrous Linoleum and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 40%	60%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 2/9/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

ENVOY
environmental consultants, inc.
145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo | Chuck Fox	**Job #:** 0041-12
Phone Number: 428-6922	**Fax Number:**	**Page** 2 of 2
Job Ticket #: 53758	**Results To:** C. Enright	**Turn Around Time:** 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Client Mailing Address: 30 Church St, Rm 028B	**Date Sampled:** 12/31/11	**Material Type/Quantity:** Friable NOB TEM
Rochester NY 14614	**Project Location:** 33 Tilden St	**Project Number:** 11/1133

Date Logged In: 1/4/12

Logged In By: KS

7 of 10 COC

General Location: 2nd Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FTI - 050	271	Rm 10, Floor, 2nd layer		TAN	12x12	FTI	NF
2	FTM - 051	272	"		"		FTM	"
3	FTI - 052	273	"		TAN	12x12	FTI	"
4	FTM - 053	274	"		"		FTM	"
5	FTI - 054	275	Rm 10, Countertop		GRY	12x12	FTI	"
6	FTM - 055	276	"		TAN		FTM	"
7	FTI - 056	277	Rm 14, Floor, 1st layer		GRY	12x12	FTI	"
8	FTM - 057	278	"		TAN		FTM	"
9	LIN - 058	279	Rm 15, bottom landing, 2nd layer		RED/BLK		LIN	"
10								

Sampled By: CE/JS	**Date:** 12/31/11	**CHECK ONE:** SURVEY ☒	BULKS ONLY ☐
Transported to Paradigm By: CE	**Date:** 12/31/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	☒
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
Second Floor
Sample Date: 12/31/2011

Job No: 0042-11
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DWL-059	280	Room 16 Second Floor Landing, Walls and Ceiling	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
SPK-060	281	Room 16 Second Floor Landing, Walls and Ceiling	White Spackle	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
SPK-061	282	Room 16 Second Floor Landing, Walls and Ceiling	White Spackle	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
LIN-062	283	Attic Floor	Tan/Black Fibrous Linoleum and Backing	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 10%	90%
LIN-063	284	Attic Floor	Tan/Black Fibrous Linoleum and Backing	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 10%	90%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 2/1/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

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environmental consultants, inc.

145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Job Ticket #: 53758	**Client:** City of Rochester	**Contact:** Curt Columbo | Chuck Fox
	Phone Number: 428-6922	**Fax Number:**
	Results To: C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
Client Mailing Address: 30 Church St, Rm 028B	**Date Sampled:** 12/31/11	**Material Type/Quantity:** Friable NOB TEM
Rochester NY 14614	**Project Location:** 33 Tilden St	**Project Number:** 11/1133

Job #: 0042-12
Page ____ **of** ____
Date Logged In: 1/4/12
Logged In By: KS
8 of 10 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DWL - 059	280	Rm 16, 2nd Fl landing, walls & ceiling		GRY		DWL	NF
2	SPK - 060	281	"		WHT		SPK	"
3	SPK - 061	282	"		"		"	"
4	LIN - 062	283	Attic Floor		TAN | BLK		LIN	"
5	LIN - 063	284	"		"		"	"
6								
7								
8								
9								
10								

Sampled By: CE | JS	**Date:** 12/31/11	**CHECK ONE:** SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	**Date:** 12/31/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	[X]
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
Exterior
Sample Date: 12/31/2011

Job No: 0043-12
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WIG-064	285	In Windows	White Window Glaze	Inconclusive. No Asbestos Detected	0%	#	None Detected	<1.0%	Talc 2%	98%
WIG-065	286	In Windows	White Window Glaze	Inconclusive. No Asbestos Detected	0%	#	None Detected	<1.0%	Talc 2%	98%
TRP-066	287	Behind Wood Siding	Brown Fibrous Tar Paper	None Detected	0%		Not Required	N/A	Cellulose 99%	1%
TRP-067	288	Behind Wood Siding	Brown Fibrous Tar Paper	None Detected	0%		Not Required	N/A	Cellulose 99%	1%
ROF-068	289	Porch Roof	Black Roofing	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 2%	93%
ROF-069	290	Porch Roof	Black Roofing	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 2%	93%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 2/1/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

ENVOY
environmental consultants, inc.
145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	**Contact:** Curt Columbo | Chuck Fox	**Job #:** 0043-12
Phone Number: 428-6922	**Fax Number:**	**Page** 2 **of** 2
Job Ticket #: 53758	**Results To:** C. Enright	**Turn Around Time:** 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Client Mailing Address: 30 Church St, Rm 028B	**Date Sampled:** 12/31/11	**Material Type/Quantity:** Friable NOB TEM
Rochester NY 14614	**Project Location:** 33 Tilden St	**Project Number:** 11/1133

Date Logged In: 1/4/12
Logged In By: KS
9 of 10 COC

General Location: Exterior

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WIG-064	285	in windows	Paint	WHT		WIG	NF
2	WIG-065	286	"	"	"		"	"
3	TRP-066	287	behind wood siding		BRN		TRP	"
4	TRP-067	288	"		"		"	"
5	ROF-068	289	Porch roof		Blk		ROF	"
6	ROF-069	290	"		"		"	"
7								
8								
9								
10								

Sampled By: CE | JS	**Date:** 12/31/11	**CHECK ONE:** SURVEY ☒	BULKS ONLY ☐
Transported to Paradigm By: CE	**Date:** 12/31/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	☒
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 33 Tilden Street
Exterior, House Roof
Sample Date: 12/31/2011

Job No: 0044-12
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
ROS-070	291	Layer 1	Black Fibrous Roofing Shingles	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 30%	70%
TRP-071	292	Layer 2	Black Fibrous Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 60%	40%
ROF-072	293	Layer 3	Black Roofing	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROF-073	294	Layer 1	Black Fibrous Roofing Shingles	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 30%	70%
TRP-074	295	Layer 2	Black Fibrous Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 60%	40%
ROF-075	296	Layer 3	Black Roofing	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/24/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 2/1/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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environmental consultants, inc.
145 Lake Avenue, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Job Ticket #: 53758	**Client:** City of Rochester	**Contact:** Curt Columbo | Chuck Fox
Client Mailing Address: 30 Church St, Rm 0283 Rochester NY 14614	**Phone Number:** 428-6922	**Fax Number:**
	Results To: C. Enright	**Turn Around Time:** 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
	Date Sampled: 12/31/11	**Material Type/Quantity:** Friable NOB TEM
	Project Location: 33 Tilden St	**Project Number:** 11/1133

Job #: 0044-12
Page 2 **of** 2
Date Logged In: 1/4/12
Logged In By: KS
10 of 10 COC

General Location: Exterior - House Roof

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	ROS - 070	291	layer 1		Blk		ROS	NF
2	TRP - 071	292	" 2		"		TRP	"
3	ROF - 072	293	" 3		"		ROF	"
4	ROS - 073	294	" 1		Blk		ROS	"
5	TRP - 074	295	" 2		"		TRP	"
6	ROF - 075	296	" 3		"		ROF	"
7								
8								
9								
10								

Sampled By: CE | JS	**Date:** 12/31/11	**CHECK ONE:** SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	**Date:** 12/31/11	**CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS** or provide TEM contact name:	[X]
Received By: KS	**Date:** 1/4/12	**TOTAL NUMBER OF SAMPLES IN SURVEY:**	75

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/15/2011
EXPIRATION DATE: 06/30/2012

Duly Authorized Representative – Geoffrey M Reed.

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2012
Issued April 01, 2011

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 44099

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2011-07-01 through 2012-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2011-07-01 through 2012-06-30

Effective dates

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

STATE OF NEW YORK - DEPARTMENT OF LABOR

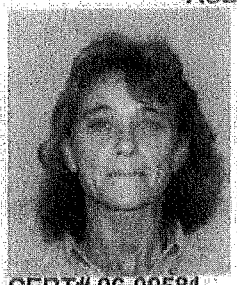
ASBESTOS CERTIFICATE

CHRISTOPHER R ENRIGHT
CLASS(EXPIRES)
C ATEC(01/12) D INSP(01/12)
H PM (01/12)

CERT# 06-08603
DMV# 584150912
MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



LAURENE E SISSON
CLASS(EXPIRES)
C ATEC(03/12) D INSP(03/12)
H PM (03/12)

CERT# 06-09581
DMV# 163042513
MUST BE CARRIED ON ASBESTOS PROJECTS

40 Sullivan Street

Dept. of Neighborhood & Business Development
Rochester, New York

Pre-Demolition
Asbestos Inspection

October 2012

40 Sullivan Street
Rochester, New York

Pre-Demolition Asbestos Inspection

October 2012

Prepared For:

City of Rochester
Department of Neighborhood and Business Development
City Hall, Room 005-A
30 Church Street
Rochester, New York 14614-1290

Prepared By:

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Executive Summary

Barton & Loguidice, P.C. (B&L) was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct a pre-demolition asbestos inspection of 40 Sullivan Street in Rochester, New York. The purpose of the survey was to identify and quantify suspect asbestos-containing materials (ACMs) prior to the anticipated demolition of the structure. The inspection was conducted on October 3 and 11, 2012. This report represents the conditions of the property at the time of the survey.

Materials suspected of potentially containing asbestos were sampled by B&L's New York State Certified Asbestos Inspectors. These materials included plaster, blown-in insulation, sheetrock, window glaze, floor tiles, linoleum sheeting, ceiling tiles, vapor barriers, exterior caulks, foundation paint, asphalt siding, and roofing materials.

The following materials were determined to be ACM:

Material Code	Description	Quantity
WG01	Window Glaze	15 SF
EC02	Black Siding Caulk	30 SF
EC03	Electrical Caulk	1 SF
RM08	Black Roof Cement	15 SF

The following material was presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	17 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of ACM in the building.

Since the building is slated for demolition, all materials identified as ACM and PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

1.0 Introduction

B&L was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct an asbestos inspection of 40 Sullivan Street in Rochester, New York. The inspection was designed to determine the presence and quantity of ACM/PACM prior to demolition of the structure. B&L's inspection team consisted of New York State Department of Labor (NYSDOL) accredited inspectors Timothy Strzepek (Certificate No. 90-03209) and Michael Goff (Certificate No. 01-07588). B&L's license and each inspector's asbestos certificates are presented in Appendix E. The inspection was performed on October 3 and 11, 2012.

2.0 Building Description

The building located at 40 Sullivan Street is a one-story wood frame structure with a basement and an attic. The entire building encompassed approximately 2,400 square feet of area including the basement and attic. Interior finishing materials consisted of plaster, sheetrock, floor tile, linoleum sheeting, and ceiling tiles. The exterior consisted of vinyl siding over foam, asphalt siding, wood siding, vapor barrier and wood. There was one gas operated furnace and one gas operated hot water heater in the basement. This description represents the condition of the building at the time of the survey.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located in the building were not insulated. Some ducts located in the basement and on the first floor were insulated. These observations suggest that hidden pipes and hidden ducts above the first floor are not insulated. However, we were unable to access all pipes and ducts. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

3.0 Scope of Work

The above referenced building was surveyed for the presence of thermal system insulation, surfacing materials, and miscellaneous materials suspected of containing asbestos. Both friable and non-friable materials were sampled.

The inspection was performed in accordance with the requirements of Part 56 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56, as amended and adopted March 21, 2007), Section 56-5.1, *Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling, and Repair*. Inspection procedures followed the requirements of the Environmental Protection Agency (EPA) found at 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools; Final Rule and Notice, *Asbestos Hazard Emergency Response Act* (AHERA).

When suspect ACM was encountered, the material was assessed, quantified, and either assumed to be ACM or sampled. The condition of the material was also noted on the survey form. The condition of the ACM and PACM materials is reported in Table 1. The sample location was noted in the field sketches. Sample locations are summarized in Table 2, Bulk Sampling Summary Form. Each sample was sent to a laboratory accredited by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) and the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) for analysis.

4.0 Field Survey Procedures

Survey procedures call for an accredited inspector to visually inspect, identify, and assess all homogeneous areas for friable and non-friable suspected asbestos-containing building materials (ACBM). Once all materials were assessed and information recorded, sampling was initiated. The sampling protocol for each homogeneous material was as follows:

4.1 Surfacing Materials

These materials include spray-applied or trowelled-on materials such as plaster, stucco, and fireproofing.

- Three (3) bulk samples were collected from each homogeneous material.

4.2 Thermal System Insulation (TSI)

TSI includes materials such as pipe, boiler, tank, and exhaust breaching insulation, and duct insulation.

- Materials identified as ACM from previous pre-demolition surveys such as aircell pipe and fittings, transite piping, and duct insulation were presumed to be ACM (PACM) and not sampled.
- One (1) sample from materials including patched TSI, which was not assumed to be ACM, if the patched section was less than 6 linear or square feet. Otherwise, three (3) samples were collected.

4.3 Miscellaneous Material

This category includes materials such as roofing and siding materials, ceiling tile, floor tile, vinyl sheeting, baseboard molding, and other miscellaneous materials.

- Two (2) samples were collected from each homogeneous ceiling tile or panel and each (NOB) non-friable material and three (3) samples collected for each friable miscellaneous material.

Bulk samples were not collected from any homogeneous material where the accredited inspector determined that the material was fiberglass, foam, glass, rubber, or other non-ACM.

5.0 Description of Sampling Method

Whenever samples were collected, non-assessment personnel were restricted from the area. The material to be sampled was misted with water to minimize fiber release. The material was penetrated with the appropriate sampling tool down to the structural member and a sample of approximately two (2) square centimeters extracted. The sample was placed in a clear plastic container, the container wiped with a damp cloth, sealed, and labeled with a unique sample identification number. The sample site was then sealed and labeled (where appropriate).

Sampling tools were cleaned with a damp cloth and the area wet wiped of any debris. Potentially contaminated rags, debris, suits, plastic, etc. were collected in plastic bags and returned to B&L's office for subsequent disposal. Respirators equipped with P-100 High Efficiency Particulate Air (HEPA) filters were worn by the inspectors during the sample collection and cleaning procedure for friable material at the inspector's discretion.

6.0 Analytical Methods

Bulk samples collected at the building were analyzed by AmeriSci New York (AmeriSci), 117 East 30th Street, New York, New York. AmeriSci is accredited by NIST under the National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis of bulk samples (Accreditation Number 200546-0). AmeriSci is also accredited by the New York State Department of Health under the Environmental Laboratory Approval Program (ELAP, Accreditation No. 11480).

Samples were analyzed by polarized light microscopy (PLM) in accordance with the NYSDOH *Polarized Light Microscopy Method for Identifying and Quantifying Asbestos in Bulk Samples* (ELAP Method 198.1). Samples were analyzed sequentially until positive for asbestos or until each sample in the set was analyzed. A material was classified as non-asbestos containing only if each sample in the set was determined to be less than one percent by weight (<1%).

Non-friable organically bound (NOB) materials, such as floor tiles, mastic and roofing materials, and ceiling tiles/panels containing cellulose that were found to be <1% by PLM, were also analyzed using the NYSDOH *Transmission Electron Microscopy (TEM) Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples* (ELAP Method 198.4). If TEM confirmed that the asbestos content was <1%, the material was considered non-asbestos containing.

7.0 Survey Results

The results of the on-site survey are summarized in Table 1 - "Homogeneous ACM/PACM Summary Form" found in section 8.0. Table 1 is a material-by-material listing of the location, condition, and quantity of ACM/PACM in the building.

Appendix A - "Survey Form and Floor Plans" is a room-by-room listing of the location of suspect materials in each functional area inspected. The survey form was completed in the field and incorporates the inspector's field observations. A description of each of the columns on the form and how they were completed can also be found in Appendix A.

Appendix B and Appendix C present photographs of ACM, PACM, and non-ACM, respectively.

Laboratory results and completed copies of the chain of custody records are presented in Appendix D - Asbestos Bulk Sample Analytical Results.

The following materials were determined to be ACM:

Material Code	Description	Quantity
WG01	Window Glaze	15 SF
EC02	Black Siding Caulk	30 SF
EC03	Electrical Caulk	1 SF
RM08	Black Roof Cement	15 SF

The following material was presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	17 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of the ACM in the building.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located in the building were not insulated. Some ducts located in the basement and on the first floor were insulated. These observations suggest that hidden pipes and hidden ducts above the first floor are not insulated. However, we were unable to access all pipes and ducts. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

Since the building is slated for demolition, all materials identified as ACM/PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

8.0 Homogeneous ACM/PACM Summary Form

The quantities of the homogeneous ACM/PACM identified within the building are summarized on Table 1. The information is listed by homogeneous material code and presents the location, class, description, condition, and quantity of the ACM/PACM as it occurs. The total quantity of each ACM/PACM found in the building has been calculated and is presented at the end of the list. The information presented on the form is derived from information on the Survey Form (Appendix A), the sample results, and the floor plans.

Table 1
Homogeneous ACM/PACM Summary Form
City of Rochester
40 Sullivan Street
Rochester, NY

October 3 and 11, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
WG01	100	M	Window Glaze	WG01A	Poor	3	**Y**
	101	M			Poor	2	**Y**
	102	M			Poor	1	**Y**
	103	M			Poor	1	**Y**
	103A	M			Poor	1	**Y**
	105	M			Poor	2	**Y**
	106	M		WG01B	Poor	1	**Y**
	107	M			Poor	2	**Y**
	201	M			Poor	2	**Y**
					TOTAL	**15 SF**	
DI01	002	T	Duct Insulation	**Not Sampled**	Poor	15	**PACM**
	102	T		**Not Sampled**	Poor	2	**PACM**
					TOTAL	**17 SF**	
EC02	Exterior	M	Black Siding Caulk	EC02A,B	Poor	30	**Y**
					TOTAL	**30 SF**	
EC03	Exterior	M	Electrical Caulk	EC03A,B	Poor	1	**Y**
					TOTAL	**1 SF**	
RM08	R100	M	Black Roof Cement		Poor	10	**Y**
	R102	M		RM08A,B	Poor	5	**Y**

Table 1
Homogeneous ACM/PACM Summary Form
City of Rochester
40 Sullivan Street
Rochester, NY

October 3 and 11, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
					TOTAL	15 SF	

9.0 Bulk Sampling Summary Form

This form presents a summary of the bulk sampling performed at the building. It lists the material code, material description, sample location, sample ID, and the analytical results. Results for PLM and TEM analyses are presented as appropriate.

Table 2
Bulk Sampling Summary Form
City of Rochester
40 Sullivan Street
Rochester, NY

October 3 and 11, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
WG01	Window Glaze Window Glaze	100 106	WG01A WG01B	<0.25% CH NAD	**1.5% CH** NA
DI01	Duct Insulation	**Not Sampled**	**Not Sampled**	**PACM**	**PACM**
EC02	Black Siding Caulk Black Siding Caulk	Exterior Exterior	EC02A EC02B	**4.5% CH** NA	NA NA
EC03	Electrical Caulk Electrical Caulk	Exterior Exterior	EC03A EC03B	**4.9% CH** NA	NA NA
RM08	Black Roof Cement Black Roof Cement	R102 R102	RM08A RM08B	**7.9% CH** NA	NA NA
TM01	Typical Plaster (Skim Coat) Typical Plaster (Base Coat) Typical Plaster (Skim Coat) Typical Plaster (Base Coat) Typical Plaster (Skim Coat) Typical Plaster (Base Coat)	100 100 101 101 103 103	TM01A TM01A TM01B TM01B TM01C TM01C	NAD NAD NAD NAD NAD NAD	- - - - - -
SM01	Blown-In Insulation Blown-In Insulation Blown-In Insulation	100 101 201	SM01A SM01B SM01C	NAD NAD NAD	- - -
WB01	Typical Sheetrock Typical Sheetrock Typical Sheetrock	104 104 107	WB01A WB01B WB01C	NAD NAD NAD	- - -
FT01	12”x12” Light Brown Wood Pattern Floor Tile 12”x12” Light Brown Wood Pattern Floor Tile	104 104	FT01A FT01B	NAD NAD	NAD NAD
FT02	12”x12” White with Blue Diamond Floor Tile 12”x12” White with Blue Diamond Floor Tile	104 104	FT02A FT02B	NAD NAD	NAD NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
40 Sullivan Street
Rochester, NY

October 3 and 11, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
FT03	12”x12” Beige with Black Squares Floor Tile	105	FT03A	NAD	NAD
	12”x12” Beige with Black Squares Floor Tile	104	FT03B	NAD	NAD
FT04	12”x12” Tan Geometric Floor Tile	104	FT04A	NAD	NAD
	12”x12” Tan Geometric Floor Tile	104	FT04B	NAD	NAD
FT05	12”x12” Brown Geometric Floor Tile	105	FT05A	NAD	NAD
	12”x12” Brown Geometric Floor Tile	105	FT05B	NAD	NAD
VS01	Brown Wood Grain Sheeting	105	VS01A	NAD	NAD
	Brown Wood Grain Sheeting	105	VS01B	NAD	NAD
CT01	1.5’x1.5’ Smooth Ceiling Tile	101	CT01A	NAD	NAD
	1.5’x1.5’ Smooth Ceiling Tile	100	CT01B	NAD	NAD
CT02	1’x1’ Pinhole Ceiling Tile	001	CT02A	NAD	NAD
	1’x1’ Pinhole Ceiling Tile	001	CT02B	NAD	NAD
CT03	1’x1’ Smooth Ceiling Tile	102	CT03A	NAD	NAD
	1’x1’ Smooth Ceiling Tile	103	CT03B	NAD	NAD
VB01	Brown Vapor Barrier	100	VB01A	NAD	-
	Brown Vapor Barrier	101	VB01B	NAD	-
	Brown Vapor Barrier	102	VB01C	NAD	-
VB02	Brown Paper Vapor Barrier	Exterior	VB02A	NAD	-
	Brown Paper Vapor Barrier	Exterior	VB02B	NAD	-
	Brown Paper Vapor Barrier	Exterior	VB02C	NAD	-
VB03	Black Vapor Barrier	Exterior	VB03A	NAD	NAD
	Black Vapor Barrier	Exterior	VB03B	NAD	NAD
EC01	White Window Caulk	Exterior	EC01A	NAD	NAD
	White Window Caulk	Exterior	EC01B	NAD	NAD
FP01	Foundation Paint	Exterior	FP01A	NAD	NAD
	Foundation Paint	Exterior	FP01B	NAD	NAD
AS01	Green Asphalt Siding	Exterior	AS01A	NAD	NAD
	Green Asphalt Siding	Exterior	AS01B	NAD	NAD
RM01	Brown Roof Shingle	R100	RM01A	NAD	Trace CH
	Brown Roof Shingle	R102	RM01B	NAD	Trace CH
RM02	Dark Green Roof Shingle	R100	RM02A	NAD	NAD
	Dark Green Roof Shingle	R102	RM02B	NAD	NAD
RM03	Light Green and Gray Roof Shingle	R100	RM03A	NAD	NAD
	Light Green and Gray Roof Shingle	R100	RM03B	NAD	NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
40 Sullivan Street
Rochester, NY

October 3 and 11, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
RM04	Black Roof Shingle	R100	RM04A	NAD	NAD
	Black Roof Shingle	R100	RM04B	NAD	NAD
RM05	Black Tar Paper	R100	RM05A	NAD	NAD
	Black Tar Paper	R100	RM05B	NAD	NAD
RM06	Brown Rolled Roofing	R101	RM06A	NAD	Trace AN
	Brown Rolled Roofing	R101	RM06B	NAD	Trace AN
RM07	Black Tar Paper	R101	RM07A	NAD	NAD
	Black Tar Paper	R101	RM07B	NAD	NAD

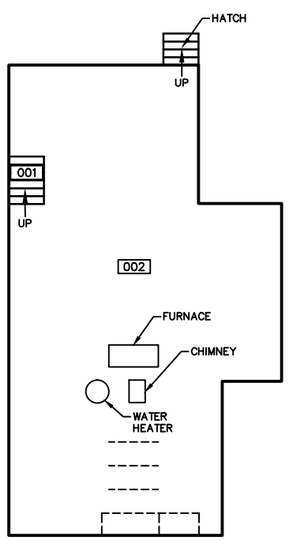
< = Less Than % = Percent
PLM = Polarized Light Microscopy
TEM = Transmission Electron Microscopy
NAD = No Asbestos Detected
NA = Not Analyzed
Trace = Indicates <1% asbestos by weight

CH = Chrysotile Asbestos
AM = Amosite Asbestos
CR = Crocidolite Asbestos
AN = Anthophyllite Asbestos
TR = Tremolite Asbestos
AC = Actinolite Asbestos

N

LEGEND

- PRESUMED ASBESTOS CONTAINING DUCT INSULATION
- ASBESTOS CONTAINING WINDOW GLAZE
- ASBESTOS CONTAINING ELECTRICAL CAULK
- ASBESTOS CONTAINING BLACK ROOF CEMENT
- ASBESTOS CONTAINING SIDING CAULK



BASEMENT FLOOR PLAN
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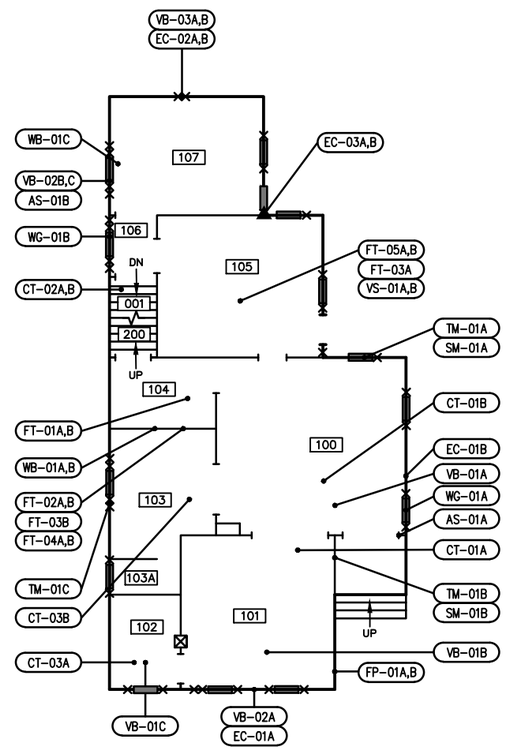

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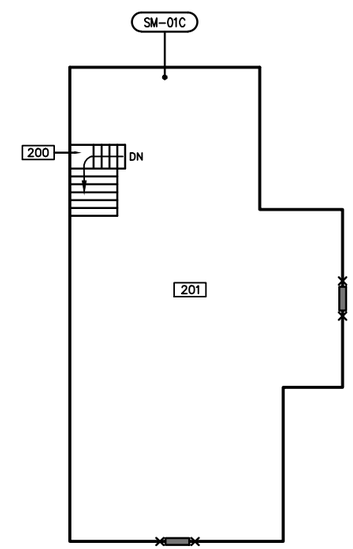
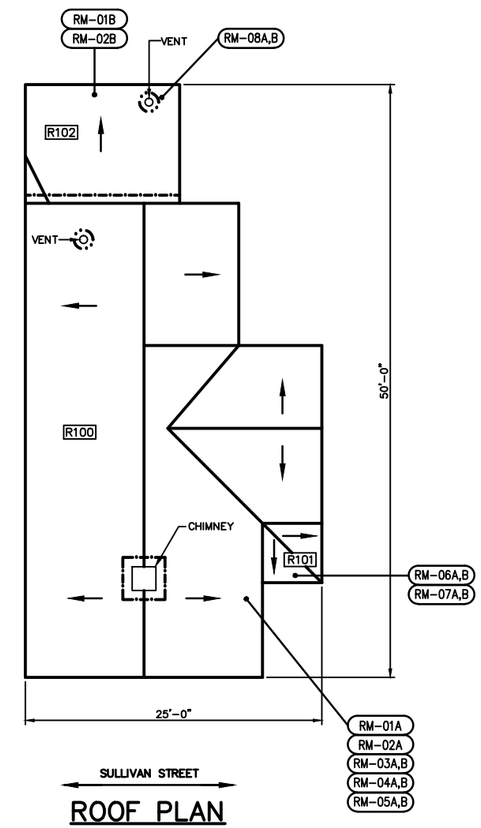


ATTIC FLOOR PLAN
NOT TO SCALE



ROOF PLAN
NOT TO SCALE

CITY OF ROCHESTER
ASBESTOS SURVEY

40 SULLIVAN STREET

Barton & Loguidice, P.C.

Date
OCTOBER, 2012

Scale
NOT TO SCALE

Figure Number
1

Project Number
981.004

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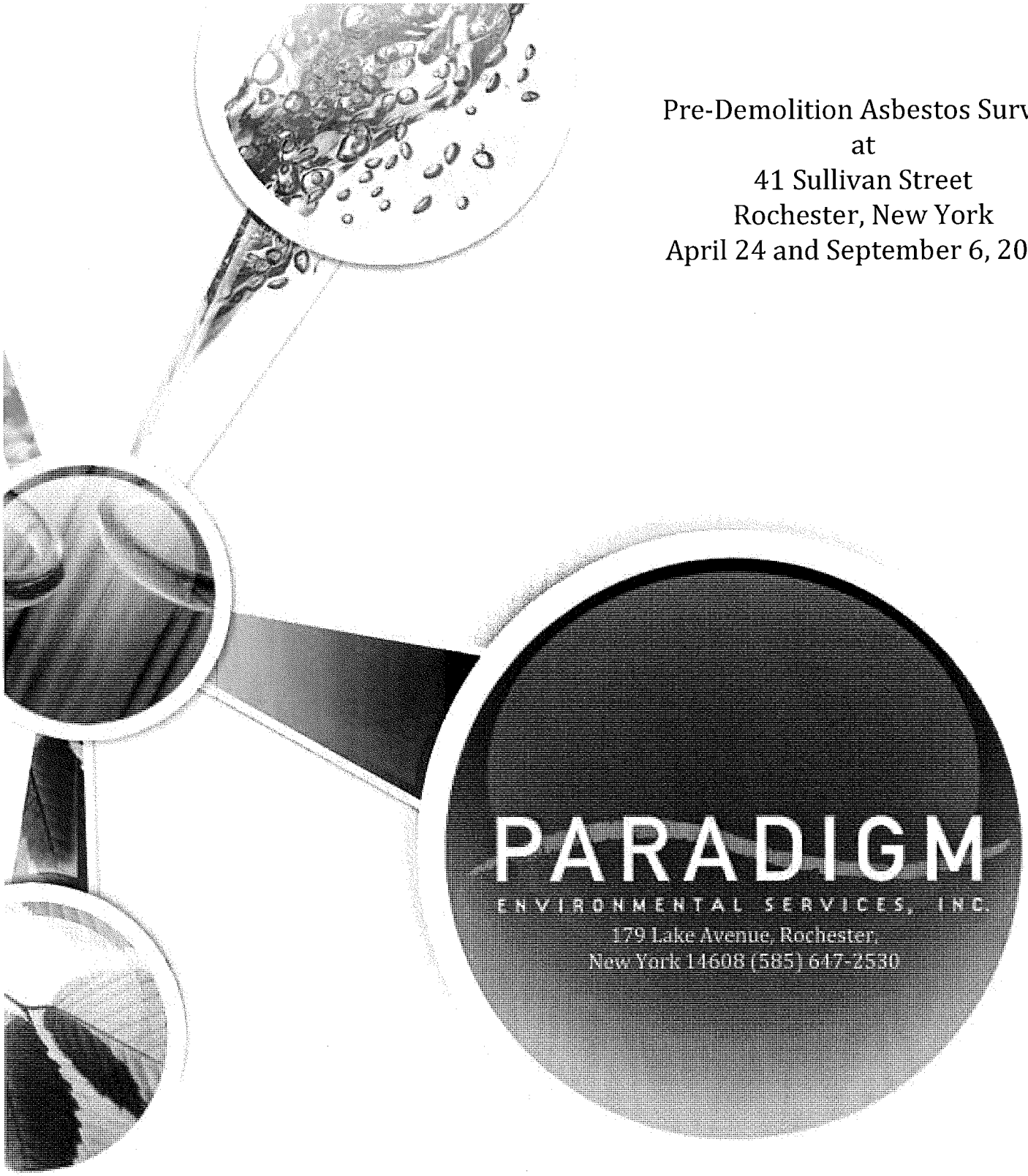

Pre-Demolition Asbestos Survey
at
41 Sullivan Street
Rochester, New York
April 24 and September 6, 2012

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-0372

41 SULLIVAN STREET
ROCHESTER, NEW YORK

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LIMITATIONS

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MATERIALS LIST

ASBESTOS CONTAINING MATERIALS
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CERTIFICATIONS

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-0372

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **April 24 and September 9, 2012** to conduct an inspection for the detection of asbestos containing materials located at **41 Sullivan Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Randy Smallridge (AH#92-04633), Greg Lindsay (AH# 06-08692), Jarrod Miner (AH#10-00223) and Byron Peterson (AH#05-07324) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **41 Sullivan Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **41 Sullivan Street, Rochester, New York** on **April 24 and September 6, 2012**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.

- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.

- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col 9	Col 10	Col. 11
Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable Non-Friable NOB	Type of Material	SQ FT	Lin FT	Units

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
41 Sullivan Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
SCT-001	Gray Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
WPL-002	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-003	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-004	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-005	Gray Ceiling Plaster	Chrysotile 6.6%	Not Required	Non-Friable
SCT-006	Gray Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
CTC-009	Gray Ceramic Tile Cement	None Detected	Not Required	Non-Friable
CTC-010	Gray Ceramic Tile Cement	None Detected	Not Required	Non-Friable
DWL-011	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-012	Gray Spackle	None Detected	Not Required	Non-Friable
DWL-023	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-024	White Spackle	None Detected	Not Required	Non-Friable
MAS-039	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-040	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
DWL-057	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-058	Gray Spackle	None Detected	Not Required	Non-Friable
CPL-059	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-060	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-069	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-070	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-001[9-6]	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-002[9-6]	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-003[9-6]	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-004[9-6]	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-005[9-6]	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-006[9-6]	Gray Ceiling Plaster	Chrysotile 2.5%	Not Required	Non-Friable
CPL-007[9-6]	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-008[9-6]	Gray Ceiling Plaster	Chrysotile 5.9%	Not Required	Non-Friable
Flooring Materials				
CTC-007	Gray Ceramic Tile Cement	None Detected	Not Required	Non-Friable
CTC-008	Gray Ceramic Tile Cement	None Detected	Not Required	Non-Friable
SVL-013	White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-014	White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-015	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-016	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-017	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-018	White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

MATERIALS TESTED
41 Sullivan Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
SVL-019	White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-020	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-021	Gray 12"x12" Floor Tile	Chrysotile 7.7%	Not Required	NOB
FTM-022	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT-025	Tan Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-026	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-027	Tan/Brown Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVB-028	Unable to Separate From SVL-027	N/A	N/A	N/A
SVM-029	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-030	Gold Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-031	Tan Sheet Vinyl Mastic	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
FT1-032	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-033	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
SVL-034	Tan/Brown Sheet Vinyl and Backing	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
SVB-035	Unable to Separate From SVL-034	N/A	N/A	N/A
SVM-036	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-037	Gold Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-038	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT-041	Brown Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-042	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT-043	Brown Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-044	Brown Floor Tile Mastic	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
SVL-045	Brown/Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVB-046	Unable to Separate From SVL-045	N/A	N/A	N/A
FT1-047	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-048	Tan Floor Tile Mastic	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
SVL-049	Brown/Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB

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MATERIALS TESTED
41 Sullivan Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
SVB-050	Unable to Separate From SVL-049	N/A	N/A	N/A
FT1-051	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-052	Tan Floor Tile Mastic	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
SVL-053	Brown/Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-054	Tan Sheet Vinyl Mastic	Not Enough Sample to Analyze	N/A	N/A
SVL-055	Brown/Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-056	Tan Sheet Vinyl Mastic	Not Enough Sample to Analyze	N/A	N/A
SVL-061	Green/Beige Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-062	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-063	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
FTM-064	Tan Floor Tile Mastic	Not Enough Sample to Analyze	N/A	N/A
SVL-065	Green/Beige Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-066	Tan Sheet Vinyl Mastic	Not Enough Sample to Analyze	N/A	N/A
FT1-067	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
FTM-068	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
Thermal Systems Insulation				
PI-071	Gray Pipe Insulation	Chrysotile 80%	Not Required	Friable
PI-072	Gray Pipe Insulation	Chrysotile 80%	Not Required	Friable
PI-073	Gray Pipe Insulation	Chrysotile 80%	Not Required	Friable
PIC-074	Gray Pipe Insulation Cover	Chrysotile 80%	Not Required	Friable
PIC-075	Gray Pipe Insulation Cover	Chryostile 67%	Not Required	Friable
PIC-076	Gray Pipe Insulation Cover	Chrysotile 80%	Not Required	Friable
Exterior Materials				
ROF-077	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
WLB-078	Tan Wallboard	None Detected	Not Required	Non-Friable
ROF-079	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
WLB-080	Tan Wallboard	None Detected	Not Required	Non-Friable
TRN-081	Gray Transite	Chrysotile 31%	Not Required	Non-Friable
TRN-082	Gray Transite	Chrysotile 36%	Not Required	Non-Friable
Roofing Materials				
ROS-083	White Roofing Shingles	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-084	Green Roofing Shingles	Inconclusive No Asbestos Detected	None Detected	NOB

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Job Number 12-0372

MATERIALS TESTED
41 Sullivan Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
TRP-085	Black Tar Paper	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
ROS-086	White Roofing Shingles	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-087	Green Roofing Shingles	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-088	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-089	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-090	Green Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-091	White Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-092	Green Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
TAR-093	Black Tar	Chrysotile 15%	Not Required	NOB
TAR-094	Black Tar	Chrysotile 24%	Not Required	NOB
Window Caulk and Glaze				
WIG-095	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
WIG-096	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
41 Sullivan Street
Rochester, New York

Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement and Crawlspace										
Basement 1 375 square feet	071, 072	PI-071, 072 PIC-074	Gray Pipe Insulation Gray Pipe Insulation Cover	On Pipes Debris on Floor	Fair Fair	Friable Friable	TSI Misc	32	60	
Basement 2 1400 square feet	073, 074	PI-073 PI-073	Gray Pipe Insulation Gray Pipe Insulation	On Pipes Debris on Floor	Fair Fair	Friable Friable	TSI Misc	30	10	
Crawlspace	075, 076	PI-073 PIC-075, 076	Gray Pipe Insulation Gray Pipe Insulation Cover	On Pipes Debris on Floor	Fair Fair	Friable Friable	TSI Misc	40	40	
First Floor										
1 Living Room 240 square feet	001-005 001-002 [9-5]	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	240		
2 Bedroom 180 square feet	006	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	180		
3 Bedroom 180 square feet	None	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	180		
4 Bathroom 60 square feet	007-010	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	60		
5 Hallway 42 square feet	011, 012	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	42		
6 Kitchen 196 square feet	013-022 003-004 [9-5]	CPL-005 FT1-021	Gray Ceiling Plaster Gray 12"x12" Floor Tile	Ceiling Floor - 3rd Layer	Good Good	Non-Friable NOB	Surf Misc	196 196		
7 Dining Room 130 square feet	023-040	None	No Asbestos Detected					0	0	0
8 Bedroom 140 square feet	041-044	None	No Asbestos Detected					0	0	0
Second Floor										
9 Living Room 132 square feet	007-008 [9-5]	CPL-008 [9-5]	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	182		
10 Kitchen 150 square feet	045-052	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	150		
11 Closet 38 square feet	None	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	38		
12 Bedroom 144 square feet	None	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	144		

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-0372

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
41 Sullivan Street
Rochester, New York

Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
13 Hallway 72 square feet	None	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	72		
14 Closet 48 square feet	None	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	72		
15 Bedroom 126 square feet	057-060 005-006 9-5	CPL-006 9-5	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	126		
16 Bathroom 80 square feet	061-070	CPL-005	Gray Ceiling Plaster	Ceiling	Good	Non-Friable	Surf	60		
17	055, 056	None	No Asbestos Detected					0	0	0
Exterior										
Exterior	077-096	TRN-081, 082	Gray Transite	Siding - 1st Layer	Good	Non-Friable	Misc	3059		
		TAR-093, 094	Black Tar	Flashing of Flat	Good	NOB	Misc	200		
								5299	110	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

***** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.***

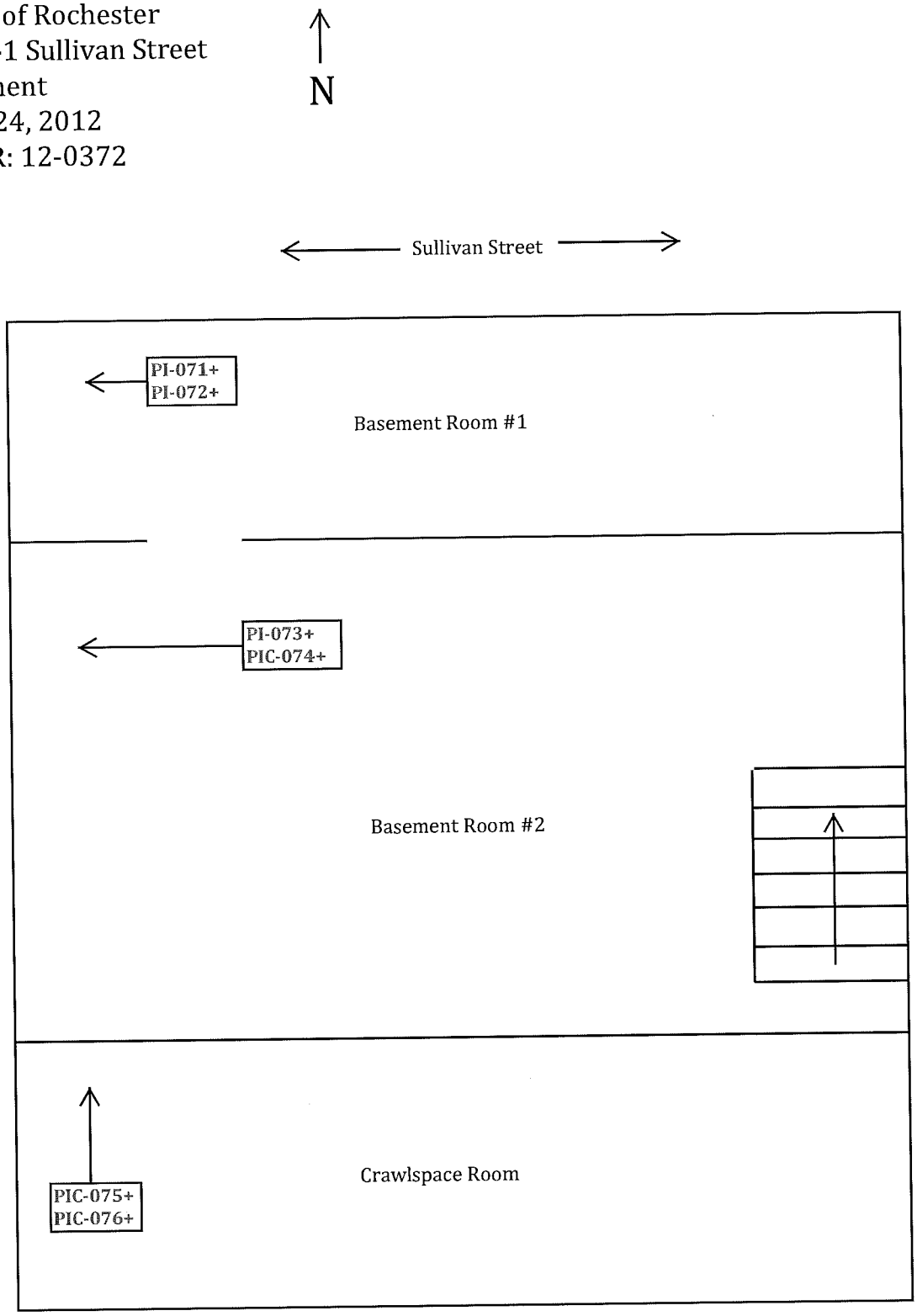
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

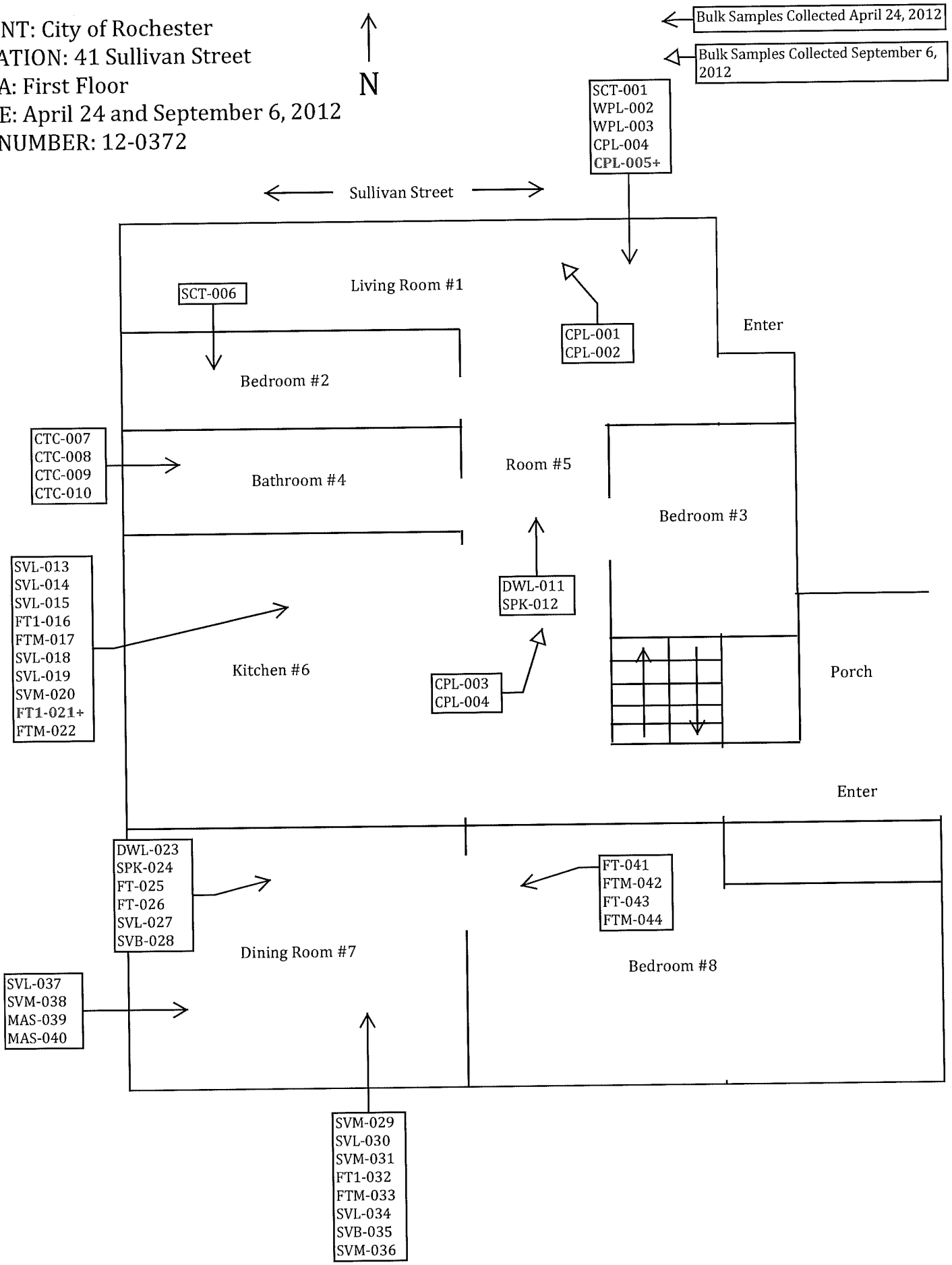
Paradigm certifies that this report regarding 41 Sullivan Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on April 24 and September 6, 2012.

Randy Smallridge
Envoy Environmental Consultants, Inc.
Inspector # AH 92-04633

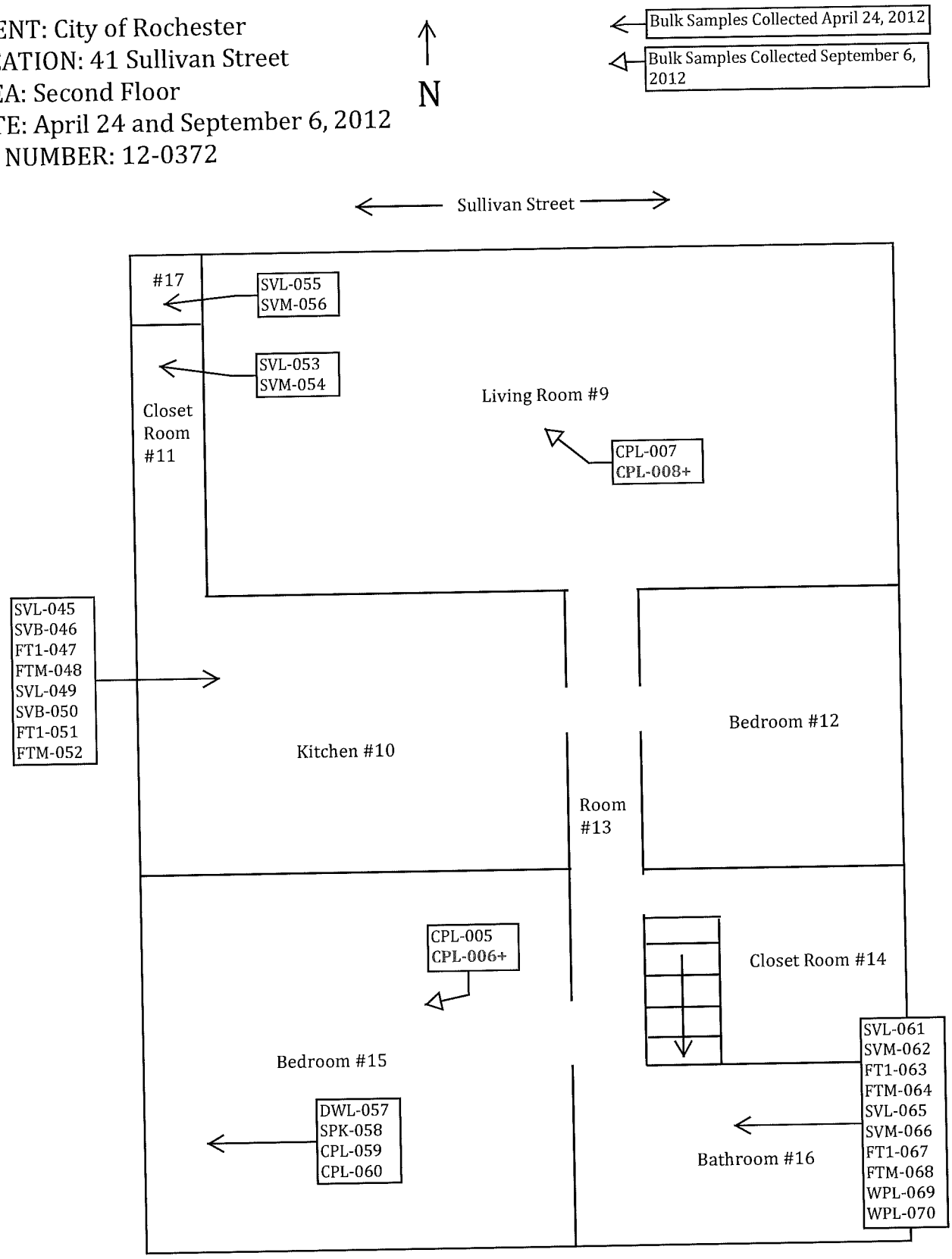
CLIENT: City of Rochester
LOCATION: 41 Sullivan Street
AREA: Basement
DATE: April 24, 2012
JOB NUMBER: 12-0372



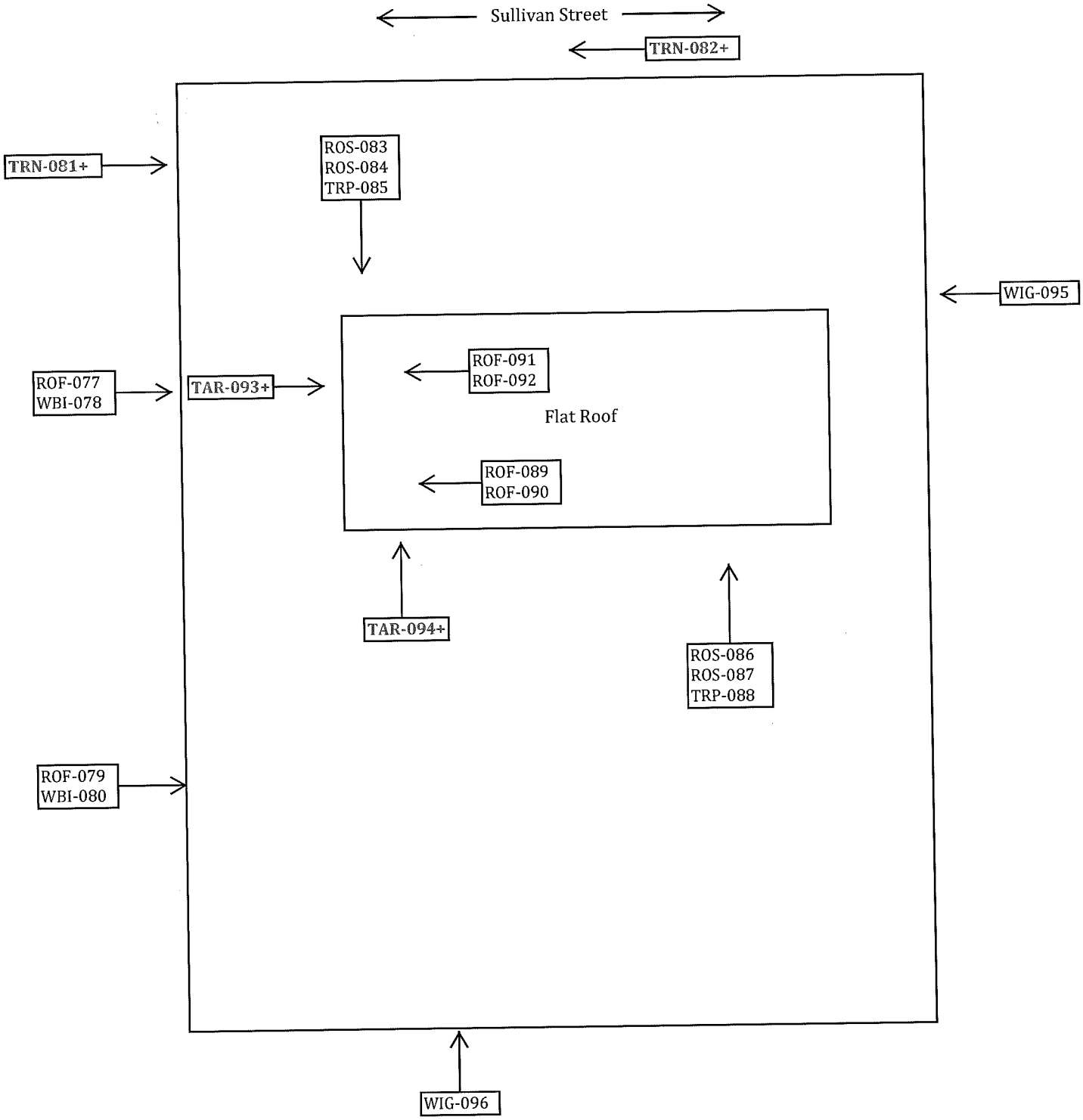
CLIENT: City of Rochester
LOCATION: 41 Sullivan Street
AREA: First Floor
DATE: April 24 and September 6, 2012
JOB NUMBER: 12-0372



CLIENT: City of Rochester
LOCATION: 41 Sullivan Street
AREA: Second Floor
DATE: April 24 and September 6, 2012
JOB NUMBER: 12-0372



CLIENT: City of Rochester
LOCATION: 41 Sullivan Street
AREA: Exterior
DATE: April 24, 2012
JOB NUMBER: 12-0372



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3978-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SCT-001	26903	Room #1	Gray Fibrous Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 60% Cellulose 20%	20%
WPL-002	26904	Room #1	White Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
WPL-003	26905	Room #1	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
CPL-004	26906	Room #1	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-005	26907	Room #1	Gray Ceiling Plaster	Chrysotile 6.6%	6.6%		Not Required	N/A	Animal Hair 2%	91.4%
SCT-006	26908	Room #2	Gray Fibrous Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 60% Cellulose 20%	20%
CTC-007	26909	Room #4 Floor	Gray Ceramic Tile Cement	None Detected	0%		Not Required	N/A	None Detected	100%
CTC-008	26910	Room #4 Floor	Gray Ceramic Tile Cement	None Detected	0%		Not Required	N/A	None Detected	100%
CTC-009	26911	Room #4 Wall	Gray Ceramic Tile Cement	None Detected	0%		Not Required	N/A	None Detected	100%
CTC-010	26912	Room #4 Wall	Gray Ceramic Tile Cement	None Detected	0%		Not Required	N/A	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 6/3/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

OFFICE USE ONLY

Job #: 3978-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
1 of 10 CoC

Client: City of Rochester
Contact: C. Fox
Phone Number: 428-6922
SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Fax Number or email address: FoxC@CityofRochester.Gov
Client Mailing Address: 30 Church ST
Rochester
Results To: CALL Tech [X] Client [X]
Date Sampled: 4/24/12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 41 Sullivan ST
Project Address: 41 Sullivan ST
Project Number: 120372

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SCT 001	26903	Room #1	~~Gray~~	Gray		Set	
2	WPL 002	904	Room #1		White		WPL	
3	WPL 003	905	Room #1		Gray		WPL	
4	CPL 004	906	Room #1		White		CPL	
5	CPL 005	907	Room #1		Gray		CPL	
6	Set 006	908	Room #2		Gray		SCT	
7	CTC 007	909	Room #4 floor		Gray		CTC	
8	CTC 008	910	Room #4 floor		Gray		CTC	
9	CTC 009	911	Rm #4 wall		Gray		CTC	
10	CTC 010	912	Rm #4 wall		Gray		CTC	

Sampled By: Smallridge Date: 4/24/12
Transported to Paradigm By: Smallridge Date: 4/24/12
Received By: CAS Date: 4-26-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [ ]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3979-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DWL-011	26913	Room #5 Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
SPK-012	26914	Room #5 Wall	Gray Spackle	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
SVL-013	26915	Room #6 1st Layer	White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 2% Fiberglass 5%	93%
SVL-014	26916	Room #6 2nd Layer	White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 2% Fiberglass 5%	93%
SVM-015	26917	Room #6 2nd Layer	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-016	26918	Room #6 3rd Layer	Gray 12"x"12 Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Talc <1.0%	100%
FTM-017	26919	Room #6 3rd Layer	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-018	26920	Room #6 1st Layer	White Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 5%	90%
SVL-019	26921	Room #6 2nd Layer	White Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 5%	90%
SVM-020	26922	Room #6 2nd Layer	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 6/2/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

OFFICE USE ONLY

Job #: 3979-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
2 OF 10 CoC

Client: City of Rochester
Contact: C. Fox
Phone Number: 428-6922
SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Fax Number or email address: FoxC@CityofRochester.Gov
Client Mailing Address: 30 Church ST Rochester
Results To: CALL Tech [X] Client [X]
Date Sampled: 4/24/12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 41 Sullivan ST
Project Address: 41 Sullivan ST
Project Number: 120372

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DW L-011	26913	Rm# 5 WALL		GRAY		DWL	
2	SPL -012	914	Rm# 5 WALL		GRAY		SPL	
3	SVL-013	915	Rm# 6 1st Layer		WHIT		SVL	
4	SVL-014	916	Rm# 6 2nd Layer		WHIT		SVL	
5	SVB-015	917	Rm# 6 2nd Layer		GRAY		SVBacking	
6	FTI-016	918	Rm# 6 3rd Layer		GRAY		FTI	
7	FTM-017	919	Rm# 6 3rd Layer		Bram		FTM	
8	SVI-018	920	Rm# 6 1st Layer		WHITE		SVI	
9	SVL-019	921	Rm# 6 2nd Layer		WHITE		SVL	
10	SVM 020	922	Rm# 6 2nd Layer		GRAY		SVM	

Sampled By: SmallRidge Date: 4/24/12
Transported to Paradigm By: SmallRidge Date: 4/24/12
Received By: CAS Date: 4-26-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [ ]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3980-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-021	26933	Room 6, 3rd Layer	Gray 12"x12" Floor Tile	Chrysotile 7.7%	7.7%	√	Not Required	N/A	None Detected	92.3%
FTM-022	26934	Room 6, 3rd Layer	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
DWL-023	26935	Room 7, Walls	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
SPK-024	26936	Room 7, Walls	White Spackle	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
FT-025	26937	Room 7, 1st Layer	Tan Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-026	26938	Room 7, 1st Layer	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-027	26939	Room 7, 2nd Layer	Tan/Brown Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 5%	90%
SVB-028	26940	Room 7, 2nd Layer	Unable to Separate from Sample SVL-027	N/A	N/A		N/A	N/A	N/A	N/A
SVM-029	26941	Room 7, 2nd Layer	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 6/5/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: C. Fox	
Client Mailing Address: 30 Church ST	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Rochester	Results To: CALL Tech [X] Client [X]	Fax Number or email address: FoxC@CityofRochester.Gov
Project Location: 41 Sullivan ST	Date Sampled: 4/24/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
	Project Address: 41 Sullivan ST	Project Number: 120372

OFFICE USE ONLY

Job #: 3980-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
3 of 10 CoC

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FTI-021	26933	Rm #6 3rd Layer		Gray		FTI	
2	FTM-022	934	Rm #6 3rd Layer		Brown		FTM	
3	DWL-023	935	Rm #7 Walls		Gray		DWL	
4	SPK-024	936	Rm #7 Walls		White		SPK	
5	FT-025	937	Rm #7 1st Layer		Tan		FT	
6	FTM-026	938	Rm #7 1st Layer		Tan		FTM	
7	SVL-027	939	Rm #7 2nd Layer		Tan		SVL	
8	SVB-028	940	Rm #7 2nd Layer		Brown		SVB	
9	SVM-029	941	Rm #7 2nd Layer		Tan		SVM	
10								

Sampled By: SmallRidge	Date: 4/24/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: SmallRidge	Date: 4/24/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[ ]
Received By: CAS	Date: 4-26-12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3981-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-030	26932	Room 7, 3rd Layer	Gold Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVM-031	26933	Room 7, 3rd Layer	Tan Sheet Vinyl Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FT1-032	26934	Room 7, 1st Layer	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-033	26935	Room 7, 1st Layer	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
SVL-034	26936	Room 7, 2nd Layer	Tan/Brown Fibrous Sheet Vinyl and Backing	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	Cellulose 5% Fiberglass 5%	90%
SVB-035	26937	Room 7, 2nd Layer	Unable to Separate from Sample SVL-034	N/A	N/A		N/A	N/A	N/A	N/A
SVM-036	26938	Room 7, 2nd Layer	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-037	26939	Room 7, 3rd Layer	Gold Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 5%	90%
SVM-038	26940	Room 7, 3rd Layer	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-039	26941	Room 7, Wall	Brown Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 6/5/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester
Contact: C. Fox
Phone Number: 428-6922
SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Fax Number or email address: FoxC@CityofRochester.Gov
Client Mailing Address: 30 Church ST Rochester
Results To: CALL Tech [X] Client [X]
Date Sampled: 4/24/12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 41 Sullivan ST
Project Address: 41 Sullivan ST
Project Number: 120372

OFFICE USE ONLY
Job #: 3981-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
4 of 10 CoC

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL-030	26932	Rm #7 3rd Layer		Gold		SVL	
2	SVM-031	933	Rm #7 3rd Layer		TAN		SVM	
3	FTI-032	934	Rm #7 1st Layer		TAN		FTI	
4	FTM-033	935	Rm #7 1st Layer		TAN		FTM	
5	SVC-034	936	Rm #7 2nd Layer		TAN		SVC	
6	SVB-035	937	Rm #7 2nd Layer		Brown		SVB	
7	SVM-036	938	Rm #7 2nd Layer		TAN		SVM	
8	SVC-037	939	Rm #7 3rd Layer		Gold		SVC	
9	SVM-038	940	Rm #7 3rd Layer		TAN		SVM	
10	MAS-039	941	Rm #7 WALL		Brown		MAS	

Sampled By: Smallridge Date: 4/24/12
Transported to Paradigm By: Smallridge Date: 4/24/12
Received By: CAS Date: 4-26-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [ ]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3982-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
MAS-040	26942	Room #7 Walls	Brown Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT-041	26943	Room #8	Brown Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-042	26944	Room #8	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT-043	26945	Room #8	Brown Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-044	26946	Room #8	Brown Floor Tile Mastic	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
SVL-045	26947	Room #10 1st Layer	Brown/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 15%	85%
SVB-046	26948	Room #10 1st Layer	Unable to Separate From SVL-045	N/A	N/A	√	N/A	N/A	N/A	N/A
FT1-047	26949	Room #10 2nd Layer	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-048	26950	Room #10 2nd Layer	Tan Floor Tile Mastic	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
SVL-049	26951	Room #10 2nd Layer	Brown/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 15%	85%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 6/3/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester
Contact: C. Fox
Phone Number: 428-6922
SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Fax Number or email address: FoxC@CityofRochester.Gov
Client Mailing Address: 30 Church ST
Results To: CALL Tech [X] Client [X]
Rochester
Date Sampled: 4/24/12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 41 Sullivan ST
Project Address: 41 Sullivan ST
Project Number: 120372

OFFICE USE ONLY
Job #: 3982-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
5 of 10 CoC

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	MAS-040	26942	Rm #7 WALLS		Brown		MAS	
2	FT-041	943	Rm #8		Brown		FT	
3	FTm-042	944	Rm #8		Brown		FTm	
4	FT-043	945	Rm #8		Brown		FT	
5	FTm-044	946 X	Rm #8		Brown		FTm	
6	SVC-045	947	Rm #10 1st Layer		Brown		SVC	
7	SVB-046	948	Rm #10 1st Layer		Gray		SVB	
8	FTI-047	949	Rm #10 2nd Layer		Gray		FTI	
9	FTm-048	950 X	Rm #10 2nd Layer		TAN		FTm	
10	SVC-049	951	Rm #10 2nd Layer		Brown		SVC	

Sampled By: Smallridge Date: 4/24/12
Transported to Paradigm By: Smallridge Date: 4/24/12
Received By: CAS Date: 4-26-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [ ]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All

Job No: 3983-12

Sample Date: 4/24/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVB-050	26952	Room #10 2nd Layer	Unable to Separate from Sample SVL-049	N/A	N/A	√	N/A	N/A	N/A	N/A
FT1-051	26953	Room #10 2nd Layer	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-052	26954	Room #10 2nd Layer	Tan Floor Tile Mastic	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
SVL-053	26955	Room #11	Brown/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 15%	85%
SVM-054	26956	Room #11	Tan Sheet Vinyl Mastic	Not Enough Sample to Analyze	N/A		N/A	N/A	N/A	N/A
SVL-055	26957	Room #17	Brown/Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 15%	85%
SVM-056	26958	Room #17	Tan Sheet Vinyl Mastic	Not Enough Sample to Analyze	N/A		N/A	N/A	N/A	N/A
DWL-057	26959	Room #15 Ceiling	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
SPK-058	26960	Room #15 Ceiling	Gray Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-059	26961	Room #15	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 6/2/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester
Contact: C. Fox
Phone Number: 428-6922
SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Fax Number or email address: FoxC@CityofRochester.Gov
Client Mailing Address: 30 Church ST Rochester
Results To: CALL Tech [X] Client [X]
Date Sampled: 4/24/12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 41 Sullivan ST
Project Address: 41 Sullivan ST
Project Number: 120372

OFFICE USE ONLY
Job #: 3983-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
6 of 10 CoC

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVB-050	26952	Rm #10 2ND Layer		Gray		SVB	
2	FTI-051	953	Rm #10 2ND Layer		Gray		FTI	
3	FTm-052	954 X	Rm #10 2ND Layer		Tan		FTM	
4	SVC-053	955	Rm #11		Brown		SVC	
5	SVM-054	956	Rm #11		Tan		SVM	
6	SVC-055	957	Rm #17		Brown		SVC	
7	SVM-056	958	Rm #17		Tan		SVM	
8	DWL-057	959	Rm #15 Ceiling		Gray		DWL	
9	SPK-058	960	Rm #15 Ceiling		Gray		SPK	
10	CPL-059	961	Rm #15		White		CPL	

Sampled By: Smallridge Date: 4/24/12
Transported to Paradigm By: Smallridge Date: 4/24/12
Received By: CAS Date: 4-26-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [ ]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3984-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CPL-060	26962	Room #15	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
SVL-061	26963	Room #16, 1st Layer	Green/Beige Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 5%	90%
SVM-062	26964	Room #16, 1st Layer	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-063	26965	Room #16, 2nd Layer	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FTM-064	26966	Room #16, 2nd Layer	Tan Floor Tile Mastic	Not Enough Mastic to Analyze	N/A	√	N/A	N/A	N/A	N/A
SVL-065	26967	Room #16, 1st Layer	Green/Beige Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 5%	90%
SVM-066	26968	Room #16, 1st Layer	Tan Sheet Vinyl Mastic	Not Enough Mastic to Analyze	N/A		N/A	N/A	N/A	N/A
FT1-067	26969	Room #16, 2nd Layer	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FTM-068	26970	Room #16, 2nd Layer	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%		Trace Chrysotile <1.0%	<1.0%	None Detected	100%
WPL-069	26971	Room #16	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

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PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 6/5/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: C. Fox	
Client Mailing Address: 30 Church ST	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Rochester	Results To: CALL Tech [X] Client [X]	Fax Number or email address: FoxC@CityofRochester.Gov
Project Location: 41 Sullivan ST	Date Sampled: 4/24/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
	Project Address: 41 Sullivan ST	Project Number: 120372

OFFICE USE ONLY

Job #: 3984-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
7 of 10 CoC

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CPL-060	26962	Rm #15		~~White~~ Gray	~ 5x012	CPL	
2	SVL-061	963	Rm #16 1st Layer		Green		SVL	
3	SVM-062	964	Rm #16 1st Layer		TAN		SVM	
4	FTI-063	965	Rm # 16 2nd Layer		Yellow		FTI	
5	FTM-064	966	Rm # 16 2nd Layer		TAN		FTM	
6	SVL-065	967	Rm # 16 1st Layer		Green		SVL	
7	SVM-066	968	Rm # 16 1st Layer		TAN		SVM	
8	FTI-067	969	Rm # 16 2nd Layer		Yellow		FTI	
9	FTM-068	970	Rm # 16 2nd Layer		TAN		FTM	
10	WPL-069	971	Rm # 16		White		WPL	

Sampled By: SmAllridge	Date: 4/24/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: SmAllridge	Date: 4/24/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[ ]
Received By: CAS	Date: 4-26-12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3985-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WPL-070	26972	Room #16	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 3% Cellulose 2%	95%
PI-071	26973	Basement	Gray Fibrous Pipe Insulation	Chrysotile 80%	80%		Not Required	N/A	Cellulose 5%	15%
PI-072	26974	Basement	Gray Fibrous Pipe Insulation	Chrysotile 80%	80%		Not Required	N/A	Cellulose 5%	15%
PI-073	26975	Basement	Gray Fibrous Pipe Insulation	Chrysotile 80%	80%		Not Required	N/A	Cellulose 5%	15%
PIC-074	26976	Basement	White Fibrous Pipe Insulation Cover	Chrysotile 80%	80%		Not Required	N/A	Cellulose 5%	15%
PIC-075	26977	Basement	White Fibrous Pipe Insulation Cover	Chrysotile 67%	67%		Not Required	N/A	Cellulose 10%	23%
PIC-076	26978	Basement	White Fibrous Pipe Insulation Cover	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
ROF-077	26979	Siding 2nd	Black Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5%	95%
WLB-078	26980	Siding 2nd	Tan Fibrous Wallboard	None Detected	0%		Not Required	N/A	Cellulose 99%	1%
ROF-079	26981	Siding 2nd	Black Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5%	95%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

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PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 6/2/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City OF Rochester	Contact: C. Fox	
Client Mailing Address: 30 Church ST	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Rochester	Results To: CALL Tech [X] Client [X]	Fax Number or email address: FoxC@CityOFRochester.Gov
Project Location: 41 Sullivan ST	Date Sampled: 4/24/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
	Project Address: 41 Sullivan ST	Project Number: 120372

OFFICE USE ONLY

Job #: 3985-12

Page 2 of 2

Date Logged In: 4/26

Logged In By: CAS

8 OF 10 CoC

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	MPL-070	26972	Rm #16		GRAY		MPL	
2	PI-071	973	Basement		GRAY		PI	
3	PI-072	974	Basement		GRAY		PI	
4	PI-073	975	Basement		GRAY		PI	
5	PIC-074	976	Basement		~~TAN~~ WHITE		PIC	
6	PIC-075	977	Basement		WHITE		PIC	
7	PIC-076	978	Basement		WHITE		PIC	
8	Rof-077	979	Siding 2ND		BLK		Rof	
9	WIB-078	980	Siding 2ND		TAN		WIB	
10	Rof-079	981	Siding 2ND		BLK		Rof	

Sampled By: Smallridge	Date: 4/24/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: Smallridge	Date: 4/24/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[ ]
Received By: CAS	Date: 4-26-12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3986-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WLB-080	26982	Siding 2nd	Tan Fibrous Wallboard	None Detected	0%		Not Required	N/A	Cellulose 95%	5%
TRN-081	26983	1st Layer, Siding	Gray Fibrous Transite	Chrysotile 31%	31%		Not Required	N/A	None Detected	69%
TRN-082	26984	1st Layer, Siding	Gray Fibrous Transite	Chrysotile 36%	36%		Not Required	N/A	None Detected	64%
ROS-083	26985	1st Layer, Roof-House	White Fibrous Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 30%	70%
ROS-084	26986	2nd Layer, Roof-House	Green Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-085	26987	3rd Layer, Roof-House	Black Tar Paper	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
ROS-086	26988	1st Layer, Roof-House	White Fibrous Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 30%	70%
ROS-087	26989	2nd Layer, Roof-House	Green Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-088	26990	3rd Layer, Roof-House	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROF-089	26991	Flat Roof, 1st Layer	Black Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 6/2/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester
Contact: C. Fox
Phone Number: 428-6922
SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Fax Number or email address: FoxC@CityofRochester.Gov
Client Mailing Address: 30 Church ST Rochester
Results To: CALL Tech [X] Client [X]
Date Sampled: 4/24/12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 41 Sullivan ST
Project Address: 41 Sullivan ST
Project Number: 120372

OFFICE USE ONLY
Job #: 3986-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: CAS
9 of 10 CoC

General Location: ALL

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WLB-080	26982	Siding 2ND		TAN		WLB	
2	TRN-081	983	1st		GRAY		TRN	
3	TRN-082	984	1st		GRAY		TRN	
4	ROS-083	985	1st Layer		White		ROS	
5	ROS-084	986	2ND Layer		Green		ROS	
6	TRP-085	987X	3RD Layer		BLK		TRD	
7	ROS-086	988	1st Layer		White		ROS	
8	ROS-087	989	2ND Layer		Green		ROS	
9	TRP-088	990	3RD Layer		BLK		TRP	
10	ROF-089	991	FLAT Roof 1st Layer		White		ROF	

Sampled By: SmallRidge Date: 4/24/12
Transported to Paradigm By: SmallRidge Date: 4/24/12
Received By: CAS Date: 4-26-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [ ]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
All
Sample Date: 4/24/2012

Job No: 3987-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
ROF-090	26992	Flat Roof, 2nd Layer	Green Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 3%	92%
ROF-091	26993	Flat Roof, 1st Layer	White Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5%	95%
ROF-092	26994	Flat Roof, 2nd Layer	Green Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5%	95%
TAR-093	26995	Flashing of Flat Roof	Black Fibrous Tar	Chrysotile 15%	15%	√	Not Required	N/A	None Detected	85%
TAR-094	26996	Flashing of Flat Roof	Black Fibrous Tar	Chrysotile 24%	24%	√	Not Required	N/A	None Detected	76%
WIG-095	26997	Windows Exterior	White Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
WIG-096	26998	Windows Exterior	White Window Glaze	Inconclusive No Asbestos Detected	0%	#	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 5/30/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 6/5/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City OF Rochester	Contact: C. Fox	
Client Mailing Address: 30 Church ST	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [X]
Rochester	Results To: CALL Tech [X] Client [X]	Fax Number or email address: FoxC@CityOFRochester.Gov
Project Location: 41 Sullivan ST	Date Sampled: 4/24/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
General Location: ALL	Project Address: 41 Sullivan ST	Project Number: 120372

OFFICE USE ONLY

Job #: 3987-12
Page 2 of 2
Date Logged In: 4/26
Logged In By: GAS
10 of 10 CoC

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	Rof-090	26992	FLAT roof 2ND Layer		Green		Rof	
2	Rof-091	993	FLAT Roof 1st Layer		White		Rof	
3	Rof-092	994	FLAT Roof 2ND Layer		Green		Rof	
4	TAR-093	995	FLASH & FLAT		BLK		TAR	
5	TAR-094	996	FLASH & FLAT		BLK		TAR	
6	WIG-095	997	Windows - Ext		White		WIG	
7	WIG-096	998	Windows - Ext		White		WIG	
8								
9								
10								

Sampled By: Smallridge	Date: 4/24/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: Smallridge	Date: 4/24/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[ ]
Received By: GAS	Date: 4-26-12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

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ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 41 Sullivan Street
Rochester, New York
Sample Date: 9/6/2012

Job No: 9837-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CPL-001	67115	Room 1, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-002	67116	Room 1, Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
CPL-003	67117	Room 6, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-004	67118	Room 6, Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
CPL-005	67119	Room 15, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-006	67120	Room 15, Ceiling	Gray Ceiling Plaster	Chrysotile 2.5%	5.5%		Not Required	N/A	Animal Hair 2%	92.5%
CPL-007	67121	Room 9, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	67122	Room 9, Ceiling	Gray Ceiling Plaster	Chrysotile 5.9%	5.9%		Not Required	N/A	Animal Hair 2%	92.1%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/6/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St. Rochester, NY 14608
585-454-1060 Fax 585-454-1062

Client: C.O.R.	Contact: Curt Columbo	
Phone Number:	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [X]	
	Fax Number or email address: Columbo C@cityofrochester.gov	
Client Mailing Address: 30 Church St, Room 028B	Results To: CALL Tech [ ] Client [ ]	
Rochester NY	Date Sampled: 9/6/12	Turn Around Time: 1 [ ] 2 [X] 3 [ ] 5 [ ] Immed [ ]
Project Location: 41 Sullivan St	Project Address: ~SAME~	Project Number: 12-0372A

OFFICE USE ONLY

Job #: 9837-12

Page 2 of 2

Date Logged In: 9.6.12

Logged In By: fW

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CPL - 001	67115	Room 1 - Ceiling		WHT		CPL	N
2	CPL - 002	116	" "		GRY		CPL	N
3	CPL - 003	117	Room 6 - Ceiling		WHT		CPL	N
4	CPL - 004	118	" "		GRY		CPL	N
5	CPL - 005	119	Room 15 - Ceiling		WHT		CPL	N
6	CPL - 006	120	" "		GRY		CPL	N
7	CPL - 007	121	Room 9 - Ceiling		WHT		CPL	N
8	CPL - 008	122	" "		GRY		CPL	N
9								
10								

Sampled By: G. Lindsay	Date: 9/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: G. Lindsay	Date: 9/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: fW	Date: 9.6.12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 8

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative – Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 46232

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

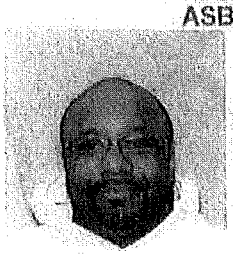
RANDALL F SMALLRIDGE
CLASS(EXPIRES)
C ATEC(02/13) D INSP(02/13)
H PM (02/13)

CERT# 92-04633
DMV# 721134821

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



BYRON K PETERSON
CLASS(EXPIRES)
C ATEC(08/12) D INSP(08/12)
H PM (08/12)

CERT# 05-07324
DMV# 816217387

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BLK
HGT 5' 06"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

FILE COPY

42 Tilden Street

Dept. of Neighborhood & Business Development
Rochester, New York

Pre-Demolition
Asbestos Inspection

June 2012

Barton & Loguidice

42 Tilden Street
Rochester, New York

Pre-Demolition Asbestos Inspection

June 2012

Prepared For:

City of Rochester
Department of Neighborhood and Business Development
City Hall, Room 005-A
30 Church Street
Rochester, New York 14614-1290

Prepared By:

Barton & Loguidice, P.C.
11 Centre Park
Suite 203
Rochester, New York 14614

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Appendix E - Barton & Loguidice, P.C. Asbestos License and Certificates
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Executive Summary

Barton & Loguidice, P.C. (B&L) was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct a pre-demolition asbestos inspection of 42 Tilden Street in Rochester, New York. The purpose of the survey was to identify and quantify suspect asbestos-containing materials (ACMs) prior to the anticipated demolition of the structure. The inspection was conducted on May 21, 2012. This report represents the conditions of the property at the time of the survey.

Materials suspected of potentially containing asbestos were sampled by B&L's New York State Certified Asbestos Inspectors. These materials included plaster, stuccos, sheetrock, window glaze, floor tiles, linoleum sheeting, baseboard molding, ceiling tile, mastic materials, asphalt siding, floor leveler, exterior caulks, and roofing materials.

The following material was determined to be ACM:

Material Code	Description	Quantity
RM03	Black Roof Cement	22 SF

The following materials were presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	24 SF
TP01	Transite Pipe	2 LF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of ACM in the building.

Since the building is slated for demolition, all materials identified as ACM and PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

1.0 Introduction

B&L was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct an asbestos inspection of 42 Tilden Street in Rochester, New York. The inspection was designed to determine the presence and quantity of ACM/PACM prior to demolition of the structure. B&L's inspection team consisted of New York State Department of Labor (NYSDOL) accredited inspectors Timothy Strzepek (Certificate No. 90-03209) and Michael Goff (Certificate No. 01-07588). B&L's license and each inspector's asbestos certificate are presented in Appendix E. The inspection was performed on May 21, 2012.

2.0 Building Description

The building located at 42 Tilden Street is a two-story wood frame structure with a basement. The entire building encompassed approximately 2,400 square feet of area including the basement. Interior finishing materials consisted of plaster, stuccos, sheetrock, floor tiles, linoleum sheeting, baseboard molding and ceiling tile. The exterior consisted of wood siding over wood on the exterior of the first floor. The second floor exterior consisted of asphalt siding, sheetrock, wood siding and wood. There was one gas-operated water heater located in the basement. This description represents the condition of the building at the time of the survey.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located throughout the building were not insulated. Some of the ducts throughout the building were insulated. These observations suggest that hidden pipes are not insulated while hidden ducts may be insulated. However, we were unable to access all pipes and ducts. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

3.0 Scope of Work

The above referenced building was surveyed for the presence of thermal system insulation, surfacing materials, and miscellaneous materials suspected of containing asbestos. Both friable and non-friable materials were sampled.

The inspection was performed in accordance with the requirements of Part 56 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56, as amended and adopted March 21, 2007), Section 56-5.1, *Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling, and Repair*. Inspection procedures followed the requirements of the Environmental Protection Agency (EPA) found at 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools; Final Rule and Notice, *Asbestos Hazard Emergency Response Act* (AHERA).

When suspect ACM was encountered, the material was assessed, quantified, and either assumed to be ACM or sampled. The condition of the material was also noted on the survey form. The condition of the ACM and PACM materials is reported in Table 1. The sample location was noted in the field sketches. Sample locations are summarized in Table 2, Bulk Sampling Summary Form. Each sample was sent to a laboratory accredited by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) and the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) for analysis.

4.0 Field Survey Procedures

Survey procedures call for an accredited inspector to visually inspect, identify, and assess all homogeneous areas for friable and non-friable suspected asbestos-containing building materials (ACBM). Once all materials were assessed and information recorded, sampling was initiated. The sampling protocol for each homogeneous material was as follows:

4.1 Surfacing Materials

These materials include spray-applied or trowelled-on materials such as plaster, stucco, and fireproofing.

- Three (3) bulk samples were collected from each homogeneous material.

4.2 Thermal System Insulation (TSI)

TSI includes materials such as pipe, boiler, tank, and exhaust breaching insulation, and duct insulation.

- Materials identified as ACM from previous pre-demolition surveys such as aircell pipe and fittings, transite piping, and duct insulation were presumed to be ACM (PACM) and not sampled.
- One (1) sample from materials including patched TSI, which was not assumed to be ACM, if the patched section was less than 6 linear or square feet. Otherwise, three (3) samples were collected.

4.3 Miscellaneous Material

This category includes materials such as roofing and siding materials, ceiling tile, floor tile, vinyl sheeting, baseboard molding, and other miscellaneous materials.

- Two (2) samples were collected from each homogeneous ceiling tile or panel and each (NOB) non-friable material and three (3) samples collected for each friable miscellaneous material.

Bulk samples were not collected from any homogeneous material where the accredited inspector determined that the material was fiberglass, foam, glass, rubber, or other non-ACM.

5.0 Description of Sampling Method

Whenever samples were collected, non-assessment personnel were restricted from the area. The material to be sampled was misted with water to minimize fiber release. The material was penetrated with the appropriate sampling tool down to the structural member and a sample of approximately two (2) square centimeters extracted. The sample was placed in a clear plastic container, the container wiped with a damp cloth, sealed, and labeled with a unique sample identification number. The sample site was then sealed and labeled (where appropriate).

Sampling tools were cleaned with a damp cloth and the area wet wiped of any debris. Potentially contaminated rags, debris, suits, plastic, etc. were collected in plastic bags and returned to B&L's office for subsequent disposal. Respirators equipped with P-100 High Efficiency Particulate Air (HEPA) filters were worn by the inspectors during the sample collection and cleaning procedure for friable material at the inspector's discretion.

6.0 Analytical Methods

Bulk samples collected at the building were analyzed by AmeriSci New York (AmeriSci), 117 East 30th Street, New York, New York. AmeriSci is accredited by NIST under the National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis of bulk samples (Accreditation Number 200546-0). AmeriSci is also accredited by the New York State Department of Health under the Environmental Laboratory Approval Program (ELAP, Accreditation No. 11480).

Samples were analyzed by polarized light microscopy (PLM) in accordance with the NYSDOH *Polarized Light Microscopy Method for Identifying and Quantifying Asbestos in Bulk Samples* (ELAP Method 198.1). Samples were analyzed sequentially until positive for asbestos or until each sample in the set was analyzed. A material was classified as non-asbestos containing only if each sample in the set was determined to be less than one percent by weight (<1%).

Non-friable organically bound (NOB) materials, such as floor tiles, mastic and roofing materials, and ceiling tiles/panels containing cellulose that were found to be <1% by PLM, were also analyzed using the NYSDOH *Transmission Electron Microscopy (TEM) Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples* (ELAP Method 198.4). If TEM confirmed that the asbestos content was <1%, the material was considered non-asbestos containing.

7.0 Survey Results

The results of the on-site survey are summarized in Table 1 - "Homogeneous ACM/PACM Summary Form" found in section 8.0. Table 1 is a material-by-material listing of the location, condition, and quantity of ACM/PACM in the building.

Appendix A - "Survey Form and Floor Plans" is a room-by-room listing of the location of suspect materials in each functional area inspected. The survey form was completed in the field and incorporates the inspector's field observations. A description of each of the columns on the form and how they were completed can also be found in Appendix A.

Appendix B and Appendix C present photographs of ACM, PACM, and non-ACM, respectively.

Laboratory results and completed copies of the chain of custody records are presented in Appendix D - Asbestos Bulk Sample Analytical Results.

The following material was determined to be ACM:

Material Code	Description	Quantity
RM03	Black Roof Cement	22 SF

The following materials were presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	24 SF
TP01	Transite Pipe	2 LF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of the ACM in the building.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located throughout the building were not insulated. Some of the ducts throughout the building were insulated. These observations suggest that hidden pipes are not insulated while hidden ducts may be insulated. However, we were unable to access all pipes and ducts. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

Since the building is slated for demolition, all materials identified as ACM/PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

8.0 Homogeneous ACM/PACM Summary Form

The quantities of the homogeneous ACM/PACM identified within the building are summarized on Table 1. The information is listed by homogeneous material code and presents the location, class, description, condition, and quantity of the ACM/PACM as it occurs. The total quantity of each ACM/PACM found in the building has been calculated and is presented at the end of the list. The information presented on the form is derived from information on the Survey Form (Appendix A), the sample results, and the floor plans.

Table 1
Homogeneous ACM/PACM Summary Form
City of Rochester
42 Tilden Street
Rochester, NY

May 21, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
RM03	207	M	Black Roof Cement	RM03A,B	Poor	10	**Y**
	R100	M			Poor	12	**Y**
					TOTAL	**22 SF**	
DI01	002	T	Duct Insulation	**Not Sampled**	Poor	2	**PACM**
	103A	T		**Not Sampled**	Poor	20	**PACM**
	205	T		**Not Sampled**	Poor	2	**PACM**
					TOTAL	**20 SF**	
TP01	002	T	Transite Pipe	**Not Sampled**	Poor	2	**PACM**
					TOTAL	**2 LF**	

9.0 Bulk Sampling Summary Form

This form presents a summary of the bulk sampling performed at the building. It lists the material code, material description, sample location, sample ID, and the analytical results. Results for PLM and TEM analyses are presented as appropriate.

Table 2
Bulk Sampling Summary Form
City of Rochester
42 Tilden Street
Rochester, NY

May 21, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
RM03	Black Roof Cement	207	RM03A	<0.25% CH	NA
	Black Roof Cement	207	RM03B	**2.7% CH**	NA
DI01	Duct Insulation	**Not Sampled**	**Not Sampled**	**PACM**	**PACM**
TP01	Transite Pipe	**Not Sampled**	**Not Sampled**	**PACM**	**PACM**
TM01	Typical Plaster (White Coat)	103	TM01A	NAD	-
	Typical Plaster (Grey Coat)	103	TM01A	NAD	-
	Typical Plaster (White Coat)	001	TM01B	NAD	-
	Typical Plaster (Grey Coat)	001	TM01B	NAD	-
	Typical Plaster (White Coat)	206	TM01C	NAD	-
	Typical Plaster (Grey Coat)	206	TM01C	NAD	-
TM02	Typical Stucco	208	TM02A	NAD	NAD
	Typical Stucco	208	TM02B	NAD	NAD
	Typical Stucco	208	TM02C	NAD	NAD
TM03	Ceiling Stucco	205	TM03A	NAD	-
	Ceiling Stucco	208	TM03B	NAD	-
	Ceiling Stucco	201	TM03C	NAD	-
WB01	Typical Sheetrock	101	WB01A	NAD	-
	Typical Sheetrock	103	WB01B	NAD	-
	Typical Sheetrock	204	WB01C	NAD	-
WB02	Exterior Wall Sheetrock	207	WB02A	NAD	-
	Exterior Wall Sheetrock	207	WB02B	NAD	-
	Exterior Wall Sheetrock	Exterior	WB02C	NAD	-
WG01	Window Glaze	101	WG01A	NAD	Trace AN
	Window Glaze	102	WG01B	NAD	NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
42 Tilden Street
Rochester, NY

May 21, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
FT01	12"x12" Black Floor Tile	104	FT01A	NAD	NAD
	12"x12" Black Floor Tile	104	FT01B	NAD	NAD
FT02	12"x12" White Square w/ Black Diamond Floor Tile	105	FT02A	NAD	NAD
	12"x12" White Square w/ Black Diamond Floor Tile	105	FT02B	NAD	NAD
FT03	12"x12" Parquet Pattern Sheeting	205	FT03A	NAD	NAD
	12"x12" Parquet Pattern Sheeting	205	FT03B	NAD	NAD
VS01	Green Design Sheeting	102	VS01A	NAD	NAD
	Green Design Sheeting	102	VS01B	NAD	NAD
VS02	Wood Grain Sheeting	102	VS02A	NAD	NAD
	Wood Grain Sheeting	102	VS02B	NAD	NAD
VS03	White Large Square Sheeting	200	VS03A	NAD	NAD
	White Large Square Sheeting	200	VS03B	NAD	NAD
VS04	White Square Sheeting	204	VS04A	NAD	NAD
	White Square Sheeting	204	VS04B	NAD	NAD
VS05	Brown Geometric Sheeting	205	VS05A	NAD	NAD
	Brown Geometric Sheeting	205	VS05B	NAD	NAD
MM01	Brown Ceiling Tile Mastic	102	MM01A	NAD	NAD
	Brown Ceiling Tile Mastic	102	MM01B	NAD	NAD
MM02	Tan Floor Tile Mastic	104	MM02A	NAD	NAD
	Tan Floor Tile Mastic	104	MM02B	NAD	NAD
MM03	Tan Wall Mastic	105	MM03A	NAD	NAD
	Tan Wall Mastic	105	MM03B	NAD	NAD
MM04	Tan Floor Mastic	200	MM04A	NAD	NAD
	Tan Floor Mastic	200	MM04B	NAD	NAD
MM05	Black Floor Mastic	205	MM05A	NAD	NAD
	Black Floor Mastic	205	MM05B	NAD	NAD
AS01	Green Asphalt Siding	Exterior	AS01A	NAD	NAD
	Green Asphalt Siding	Exterior	AS01B	NAD	NAD
FL01	Tan Floor Leveler	101	FL01A	NAD	-
	Tan Floor Leveler	101	FL01B	NAD	-
	Tan Floor Leveler	101	FL01C	NAD	-

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
42 Tilden Street
Rochester, NY

May 21, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
CT01	1'x2' Large Hole Ceiling Tile	102	CT01A	NAD	NAD
	1'x2' Large Hole Ceiling Tile	102	CT01B	NAD	NAD
WC01	White Window Caulk	Exterior	WC01A	NAD	NAD
	White Window Caulk	Exterior	WC01B	NAD	NAD
EC01	Black Electrical Caulk	Exterior	EC01A	NAD	NAD
	Black Electrical Caulk	Exterior	EC01B	NAD	NAD
RM01	Brown Roof Shingle	R100	RM01A	NAD	NAD
	Brown Roof Shingle	R100	RM01B	NAD	NAD
RM02	Black Tar Paper	R100	RM02A	NAD	NAD
	Black Tar Paper	R100	RM02B	NAD	NAD
RM04	Gray Rolled Roofing	207	RM04A	NAD	NAD
	Gray Rolled Roofing	207	RM04B	NAD	NAD
RM05	Black Rolled Roofing	207	RM05A	NAD	NAD
	Black Rolled Roofing	207	RM05B	NAD	NAD
RM06	Black Tar Paper	207	RM06A	NAD	NAD
	Black Tar Paper	207	RM06B	NAD	NAD
RM07	Brown Rolled Roofing	207	RM07A	NAD	NAD
	Brown Rolled Roofing	207	RM07B	NAD	NAD
BM01	Brown Baseboard Molding	104	BM01A	NAD	NAD
	Tan Mastic	104	BM01A	NAD	NAD
	Brown Baseboard Molding	104	BM01B	NAD	NAD
	Tan Mastic	104	BM01B	NAD	NAD

< = Less Than % = Percent
PLM = Polarized Light Microscopy
TEM = Transmission Electron Microscopy
NAD = No Asbestos Detected
NA = Not Analyzed
Trace = Indicates <1% asbestos by weight

CH = Chrysotile Asbestos
AM = Amosite Asbestos
CR = Crocidolite Asbestos
AN = Anthophyllite Asbestos
TR = Tremolite Asbestos
AC = Actinolite Asbestos

Appendix A

Survey Forms and Floor Plans

Space ID

The floor and space numbers together make up the space identification. The first room on the first level of a building would be designated as **100.**

Space Description

This describes, in common terms, the use of the functional space, such as closet, office, or boiler room.

Material Code

The Material Code is a system by which materials are identified using a simple shorthand code. Codes for common building materials are listed in the following table:

Thermal System Insulation (TSI)	**Miscellaneous Material (M)**	
(PJ) Pipe Joint	(AS) Asphalt Siding	(MA or MM) Mastic Materials
(PI) Pipe Insulation	(BM) Baseboard Molding	(RM) Roofing Material
(BI) Boiler Insulation	(CP) Ceiling Panel (2'x2'/2'x4')	(ST) Stair Tread
(DI) Duct Insulation	(CT) Ceiling Tile (1'x1'/1.5'x1.5')	(TB) Transite Board
(TI) Tank Insulation	(DC) Door Caulk	(TP) Transite Pipe or Panel
(RB) Radiator Backing Material	(DI) Door Insulation	(TS) Transite Siding
(BR) Breaching Insulation	(EC) Exterior/Electrical Caulk	(TZ) Terrazzo
	(FT) Floor Tile	(VS) Vinyl Sheeting (linoleum)
Surfacing Material (S)	(GA) Gaskets	(WB) Wallboard
	(HV) HVAC Fabric	(WC) Window Caulk
(SM) Sprayed-on Material	(JC) Joint Compound	(WG) Window Glaze
(TM) Trowelled-on Material	(LI) Light Fixture Insulation	(WI) Wire Insulation
	(LT) Laboratory Table	
* Other designations may be created as needed in the field as long as they are defined in the report.		

The material code further divides similar materials into different homogeneous materials. Each time a new material is encountered where the material codes have already occurred, it is assigned the next consecutive item number (i.e., FT01, FT02, FT03...for different types of floor tiles).

Material Description

Spaces may have several different homogeneous materials and, therefore, Material Codes. The description column provides, in common terms, a description of the material considering such factors as size, application, and color. This will aid in distinguishing between different homogeneous materials in the same functional area. If no suspect material was noted in a functional area, "NSM" or "No suspect material" will appear under this column.

ACM Determination (ACM?)

This column is completed by inserting Presumed Asbestos Containing Material (PACM), No (N), or Yes (Y). Based upon sampling results from previous pre-demolition surveys, a material may be presumed to be ACM and, therefore, requires no sampling and analysis. The yes and no designations are filled in after receipt of laboratory analysis.

Friability (Friable)

Friability refers to the ability to crush or pulverize the material. A Y or N is inserted in this column.

Material Class

This refers to one of three designations:

- Thermal system insulation (T) is any insulation applied to heating or mechanical system components (such as boiler cement, pipe lagging duct insulation).
- Surfacing material (S) refers to a wide range of products applied to building surfaces, including but not limited to trowelled-on or sprayed-on fireproofing, decorative, and acoustical plaster.
- Miscellaneous material (M) is any material not included in the first two categories. Examples include ceiling tiles, transite, roofing and siding materials, vinyl asbestos floor tiles, and floor sheeting.

Quantity

The inspector entered the approximate quantity of each material into the column labeled Quantity. Quantities are indicated as square feet (SF), linear feet (LF), or each (EA).

Condition

Indicates the current condition of the suspect material as good (G), fair (F) ("damaged" as defined in AHERA), or poor (P) ("significantly damaged").

Comments

A Comments Section includes notes on the space assessed.

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 42 Tilden Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 1 **of** 8
Floor: 1 ST
Date: 5/21/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
100	Porch	—	No Suspect Materials						Wood Siding > Wood
101	Dining Rm	TM02	Ceiling Stucco		Y	S		P	
		WB01	Ceiling + Wall Sheetrock			M			
		WG01	Window Glaze				2SF		North
		FL01	Tan Floor Leveler		N				Edges under Carpet
102	Living Rm	TM01	Ceiling Plaster		Y	S			Carpet > wood floor
		CT01	1'x2' Large Hole Ceiling Tile			M	168SF		CT01 > MM01
		MM01	Brown Ceiling Tile Mastic		N				~~Tile~~ Carpet > Hardwood
		VS01	Green Design Shooting				168SF		~~V~~ > VS01 (2 Layers) >
		VS02	Wood Grain Shooting						VS02 > wood
		WB01	Wall Sheetrock		N	M			
		WG01	Window Glaze				2SF		WB5T

1. ACM?	2. MATERIAL CLASS	3. QUANTITY	4. CONDTION
Y = Yes (>1%) P = PACM (Presumed Asbestos Containing material)	T = Thermal System Insulation S = Surfacing Material M = Miscellaneous Material	SF = Square Feet LF = Linear Feet FTG = Fittings EA = Each	G = Good F = Fair P = Poor

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 42 Tilden Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 2 **of** 8
Floor: 1st
Date: 5/21/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
103	Bathroom	WB01	Ceiling + Wall Sheetrock		Y	M		P	
		WG01	Window Glaze		↓	↓	2SF	↓	South
		FL01	Tan Floor Leveler		N	↓			North Edge & Carpet
		TW01	Ceiling Plaster		Y	S			Carpet > wood
103A	Closet	WB01	Ceiling + Wall Sheetrock		Y	M			
		DI01	Duct Insulation	PACM	Y	T	20SF		West wall
104	Kitchen	WB01	Ceiling + Wall Sheetrock		Y	M			
		FT01	12"x12" Black Floor Tile		N	↓	143 SF		FT01 > MM02 > wood
		MM02	Tan Floor Tile Mastic		↓		↓		
		WG01	Window Glaze				1SF		North
		BM01	Brown Asbestos Mouldings + Tan Mastic		↓	↓	4SF		Around Cabinet - West
105	Bathroom	WB01	Ceiling + Wall Sheetrock		Y	M		↓	

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Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 42 Tilden Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07388
Signature:

Inspector/Cert. No.:
Signature:

Page 3 **of** 8
Floor: 1 ST
Date: 5/21/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
105	BATHROOM	TM01	CEILING PLASTER		Y	S		P	
		MM03	TAN WALL MASTIC		N	M			UNDER TILE KEY -3
	FT02	~~FTG~~	12"x12" WHITE SQUARE FLOOR TILE / BLACK DIAMOND		↓	↓	14SF		FT02 > PLYWOOD > WOOD
106	PANTRY	WB01	CEILING + WALL SHEETROCK		Y	M	~~LF~~		
		WG01	WINDOW GLAZE		↓		1SF		
		FT01	12"x12" BLACK FLOOR TILE		N		30SF		FT01 > MM02 > PLYWOOD
		MM02	TAN FLOOR TILE MASTIC		↓	↓	↓		
200	STAIRS	WB01	WALL SHEETROCK		Y	S			
		VS03	WHITE LARGE SQUARE SUEDE TILE		N	M	105F		VS03 > MM03 > PLYWOOD
		MM03	TILE FLOOR MASTIC		↓	↓			
201	LANDING	WB01	CEILING SHEETROCK		Y	M			
		TM03	CEILING STUCCO		↓	S		↓	CARPET > WOOD

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Rochester, New York 14614

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Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 4 **of** 8
Floor: 2nd
Date: 5/21/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
202	Hallway	TM01	Ceiling + Wall Plaster	Y	Y	S		P	Carpet > wood Floor
		TM03	Ceiling Stucco		↓	↓		↓	
203	Bedroom	TM01	Ceiling + Wall Plaster		Y	S			
		TM03	Ceiling Stucco		↓	↓			
		WG01	Window Glaze		↓	M	1SF		Non Tox
204	Bathroom	WB01	Ceiling + Wall Sheetrock		Y				
		MM03	Tan Wall Mastic		N				Around Tub Kit
		VS04	White Square Sheeting				30SF		VS04 + FT02 > Plywood
		FT02	12"x12" White Square w/ Black Diamond Floor Tile		↓	↓	30SF		
		TM02	Ceiling Stucco		Y	S			
205	Kitchen	TM01	Ceiling + Wall Plaster		↓	↓			
		TM03	Ceiling Stucco		↓	↓		↓	

1. ACM?
Y = Yes (>1%)
P = PACM (Presumed Asbestos Containing material)

2. MATERIAL CLASS
T = Thermal System Insulation
S = Surfacing Material
M = Miscellaneous Material

3. QUANTITY
SF = Square Feet
LF = Linear Feet
FTG = Fittings
EA = Each

4. CONDTION
G = Good
F = Fair
P = Poor

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Inspector/Cert. No.:
Signature:

Page 5 **of** 8
Floor: 2nd
Date: 5/21/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
205	Kitchen	DI01	Duct Insulation	PACM	Y	T	25F	P	See Common
		TM02	Wall Stucco		↓	S			N/A wall above Common
		FT03	12"x12" Parquet Pattern Floor Tile		N	M	14SF		Common - EWS
		VS05	Brown Geometric Sheeting		↓	↓	122SF		VS05 + FT03 > MM05 >
		MM05	Black Floor Mastic		↓	↓			
206	Bedroom	TM01	Ceiling + Wall Plaster		Y	S			Cabinet > Wood
		TM03	Ceiling Stucco		↓	↓			
		WG01	Window Glazing		↓	M	25F		
206A	Closet	TM01	Ceiling + Wall Plaster		Y	S			Wood Floor
207	2nd Flr. Porch	AS01	Green Asphalt Siding		N	M			Vinyl Siding > Wood >
		WB02	Exterior Wall Sheetrock		Y	M			Wood Siding > Wood
		RM03	Black Roof Cement	Y	N	↓	10SF	↓	Edge of Porch and Roof
									E, W, S

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Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 6 **of** 8
Floor: 2ND
Date: 5/30/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
207	2ND FL.	RM04	GRAY ROLLED ROOFING		N	M		P	RM04 > RM05 > RM06 >
	PORCH	RM05	BLACK ROLLED ROOFING						PLYWOOD > RM07 > WOOD
		RM06	BLACK TAR PAPER						RM03 (EDGES) (3)
		RM07	BROWN ROLLED ROOFING						
208	BEDROOM	TM01	CEILING WALL PLASTER		Y	S		P	HARDWOOD > WOOD
		TM02	WALL STUCCO						
		TM03	CEILING STUCCO						
208A	CLOSET	TM01	CEILING + WALL PLASTER						HARDWOOD

1. ACM?
Y = Yes (>1%)
P = PACM (Presumed Asbestos Containing material)

2. MATERIAL CLASS
T = Thermal System Insulation
S = Surfacing Material
M = Miscellaneous Material

3. QUANTITY
SF = Square Feet
LF = Linear Feet
FTG = Fittings
EA = Each

4. CONDTION
G = Good
F = Fair
P = Poor

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 42 Tilden Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Floor: Bsmt/Ext

Date: 5/21/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
001	Basement stairs	TM01	Typical Plaster		Y	S		P	
		WB01	Typical Sheetrock		Y	M		P	
002	Main Basement	DI01	Duct Insulation	PACM	Y	T	25F	P	one duct boot
		TP01	Transite Pipe	PACM	Y	T	2LF	P	chimney flues
		WG01	Window Glaze		N	M	25F	F	piled next to stairs
003	Storage	–	no suspect materials						
EXT	Exterior	WC01	White Window Caulk		N	M		F	on aluminum window trim 1st floor wood siding > wood
		EC01	Black Electrical Caulk		N	M	15F	P	meters South Side
		AS01	GREEN ASPHALT SIDING		N	M		P	2nd floor AS01 > WB02 > wood siding > wood
		WB02	EXTERIOR WALL SHEETROCK		Y	M		P	
R100	Main Roof	RM01	Brown Roof Shingle		N	M		F	RM01 > RM02 > plywood
		RM02	Black Tar Paper		N	M		F	

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SURVEY FORM

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City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 42 Tilden Street

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Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 8 **of** 8

Floor: Roof

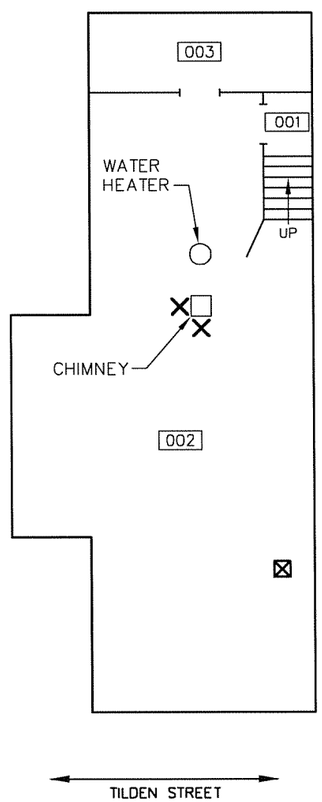
Date: 5/21/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
R100	Main Roof	RM03	Black Roof Cement	Y	N	M	12SF	P	one chimney, one vent
R101	Stairway Roof	RM01	Brown Roof Shingle		N	M		F	RM01 > RM02
		RM02	Black Tar Paper		N	M		F	

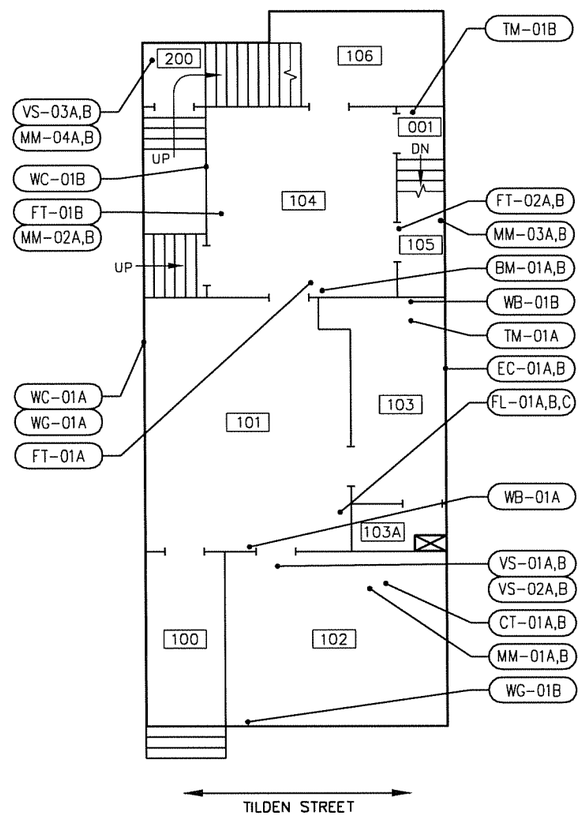
1. ACM?	2. MATERIAL CLASS	3. QUANTITY	4. CONDTION
Y = Yes (>1%) P = PACM (Presumed Asbestos Containing material)	T = Thermal System Insulation S = Surfacing Material M = Miscellaneous Material	SF = Square Feet LF = Linear Feet FTG = Fittings EA = Each	G = Good F = Fair P = Poor

N

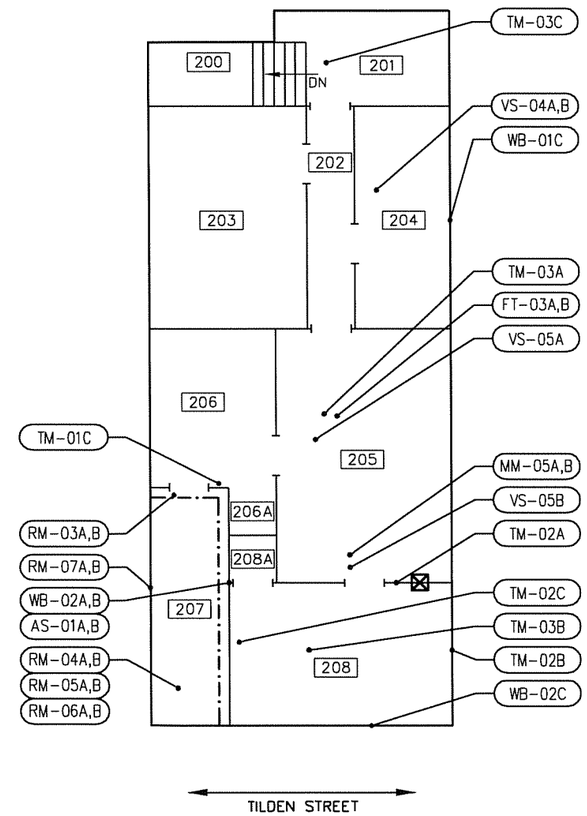
LEGEND	
⊠	PRESUMED ASBESTOS CONTAINING DUCT INSULATION
X	PRESUMED ASBESTOS CONTAINING TRANSITE PIPE
—·—·—	ASBESTOS CONTAINING ROOF CEMENT



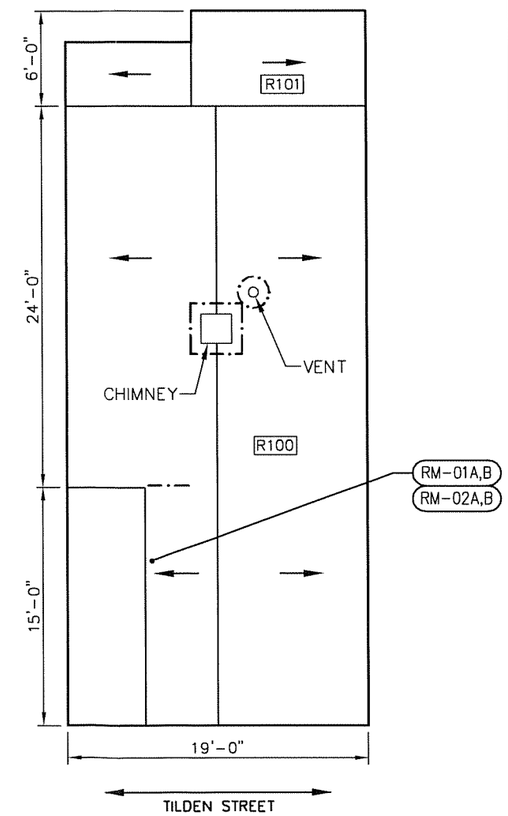
BASEMENT FLOOR PLAN
NOT TO SCALE



FIRST FLOOR PLAN
NOT TO SCALE



SECOND FLOOR PLAN
NOT TO SCALE



ROOF PLAN
NOT TO SCALE

CITY OF ROCHESTER
ASBESTOS SURVEY

42 TILDEN STREET

Barton & Loguidice, P.C.

Date	JUNE, 2012
Scale	NOT TO SCALE
Figure Number	1
Project Number	981.004

Plotted: Jun 06, 2012 – 9:50AM SYR By: jgs
I:\Shared\900\981004\981004_ASB95.dwg

Appendix B

Photos of Asbestos Containing Materials

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

11 Centre Park
Suite 203
Rochester, New York 14614
Phone: (585) 325-7190
Fax: (585) 325-4856

CITY OF ROCHESTER
42 TILDEN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
Inspection Date: 5/21/12
Inspected By: **TJS /MDG**

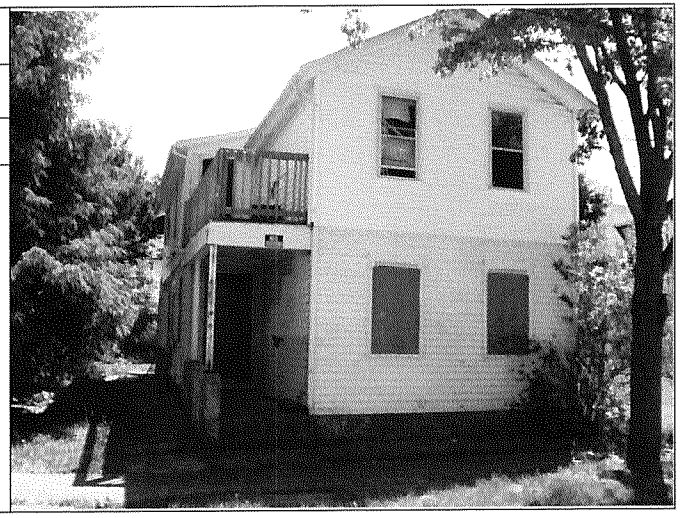
Photo No. 1	
Location: 42 TILDEN STREET ROCHESTER, NY	
Sample No.	
Description: VIEW OF SUBJECT PROPERTY RESIDENCE	

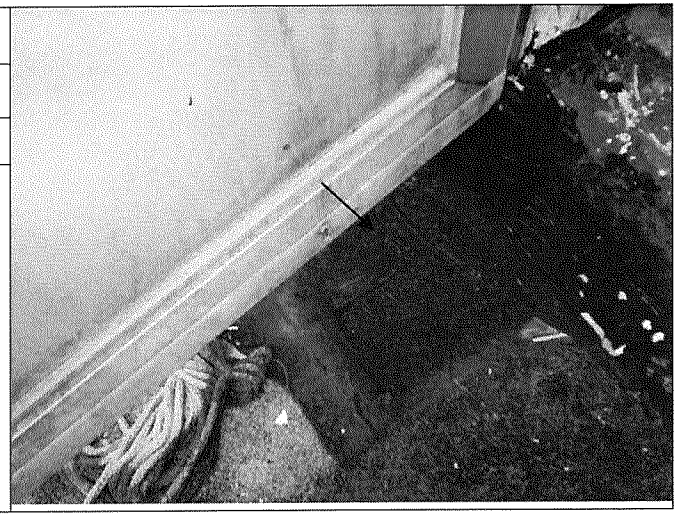
Photo No. 2	
Location: 207	
Sample No. RM03A	
Description: BLACK ROOF CEMENT 2.7% CH	

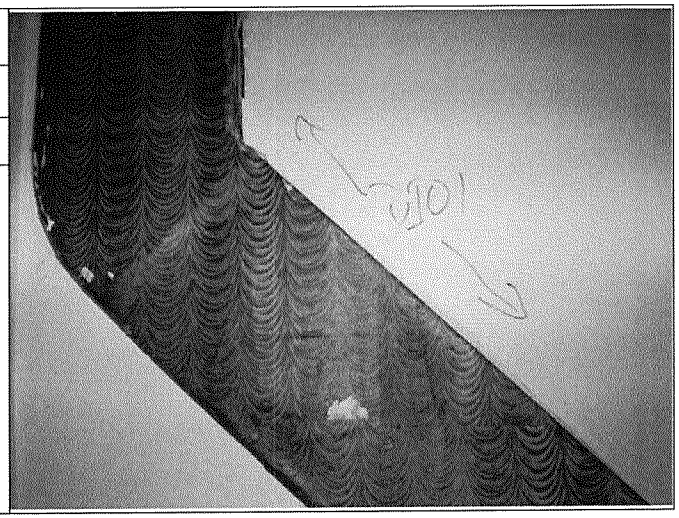
Photo No. 3	
Location: 103A	
Sample No. NOT SAMPLED	
Description: DUCT INSULATION PRESUMED ACM	

Photo No. 4	
Location: 002	
Sample No. NOT SAMPLED	
Description: TRANSITE PIPE PRESUMED ACM	

Appendix C

Photos of Non-Asbestos Containing Materials

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

11 Centre Park
Suite 203
Rochester, New York 14614
Phone: (585) 325-7190
Fax: (585) 325-4856

CITY OF ROCHESTER
42 TILDEN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
Inspection Date: 5/21/12
Inspected By: **TJS /MDG**

Photo No.	
5	
Location: 103	
Sample No.: TM01A	
Description: TYPICAL PLASTER NON-ACM	

Photo No.	
6	
Location: 208	
Sample No.: TM02A	
Description: TYPICAL STUCCO NON-ACM	

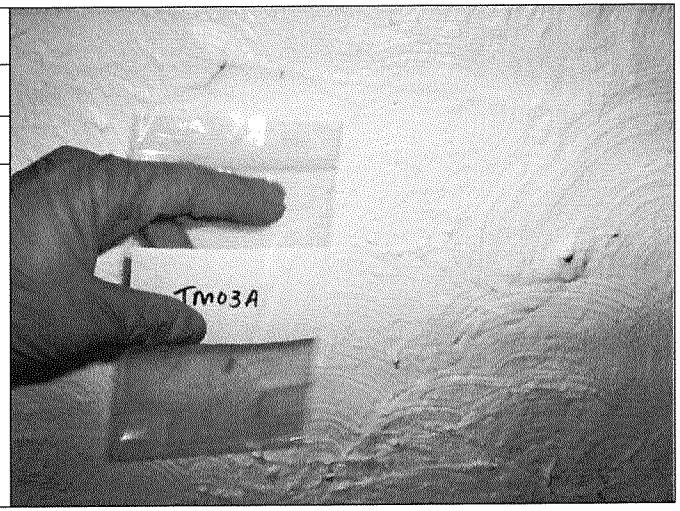
Photo No.	
7	
Location: 205	
Sample No.: TM03A	
Description: CEILING STUCCO NON-ACM	

Photo No.	
8	
Location: 101	
Sample No.: WB01A	
Description: TYPICAL SHEETROCK NON-ACM	

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

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Suite 203
Rochester, New York 14614
Phone: (585) 325-7190
Fax: (585) 325-4856

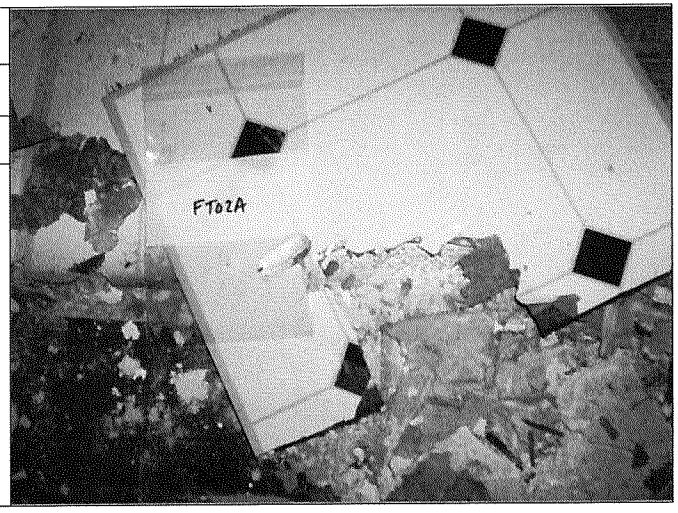
CITY OF ROCHESTER
42 TILDEN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
Inspection Date: 5/21/12
Inspected By: **TJS /MDG**

Photo No.	
9	
Location **207**	
Sample No. **WB02A**	
Description **EXTERIOR WALL SHEETROCK NON-ACM**	

Photo No.	
10	
Location **101**	
Sample No. **WG01A**	
Description **WINDOW GLAZE NON-ACM**	

Photo No.	
11	
Location **104**	
Sample No. **FT01A**	
Description **12"X12" BLACK FLOOR TILE NON-ACM**	

Photo No.	
12	
Location **105**	
Sample No. **FT02A**	
Description **12"X12" WHITE SQUARE W/ BLACK DIAMOND FLOOR TILE NON-ACM**	

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CITY OF ROCHESTER
42 TILDEN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
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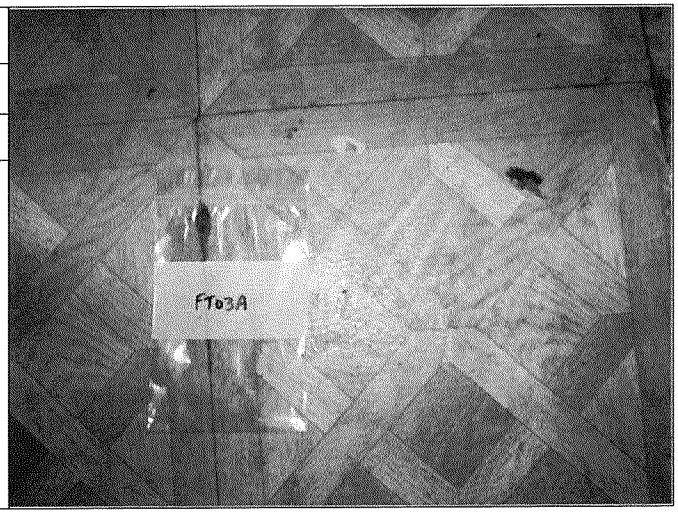
Photo No. 13	
Location 205	
Sample No. FT03A	
Description 12"X12" PARQUET PATTERN SHEETING NON-ACM	

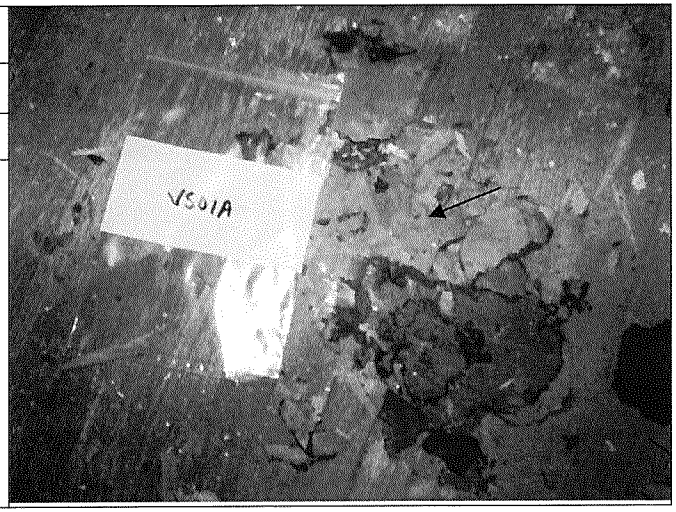
Photo No. 14	
Location 102	
Sample No. VS01A	
Description GREEN DESIGN SHEETING NON-ACM	

Photo No. 15	
Location 102	
Sample No. VS02A	
Description WOOD GRAIN SHEETING NON-ACM	

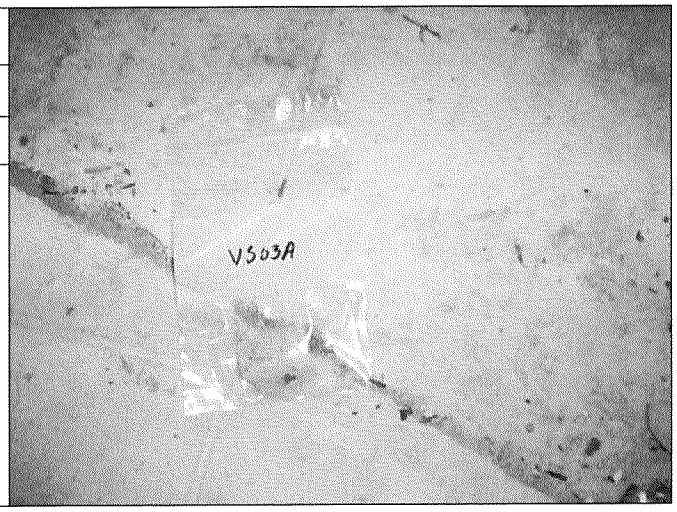
Photo No. 16	
Location 200	
Sample No. VS03A	
Description WHITE LARGE SQUARE SHEETING NON-ACM	

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Photo No. 17	
Location 204	
Sample No. VS04A	
Description WHITE SQUARE SHEETING NON-ACM	

Photo No. 18	
Location 205	
Sample No. VS05A	
Description BROWN GEOMETRIC SHEETING NON-ACM	

Photo No. 19	
Location 102	
Sample No. MM01A	
Description BROWN CEILING TILE MASTIC NON-ACM	

Photo No. 20	
Location 104	
Sample No. MM02A	
Description TAN FLOOR TILE MASTIC NON-ACM	

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Inspection Date: 5/21/12
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Photo No. 21	
Location: 105	
Sample No.: MM03A	
Description: TAN WALL MASTIC NON-ACM	

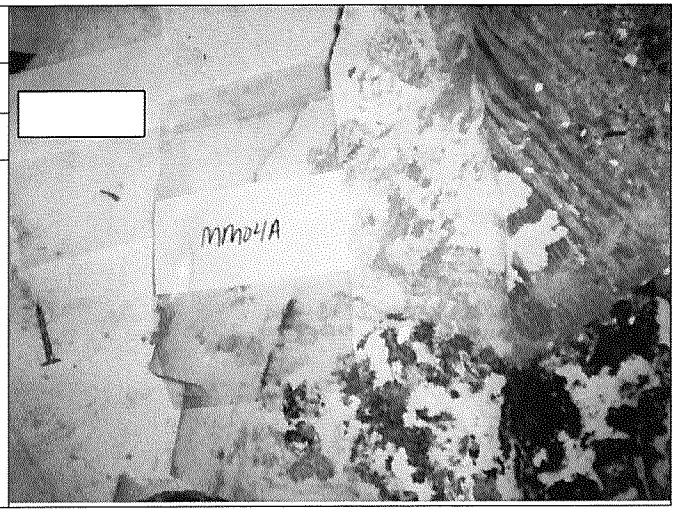
Photo No. 22	
Location: 200	
Sample No.: MM04A	
Description: TAN FLOOR MASTIC NON-ACM	

Photo No. 23	
Location: 205	
Sample No.: MM05A	
Description: BLACK FLOOR MASTIC NON-ACM	

Photo No. 24	
Location: EXTERIOR	
Sample No.: AS01A	
Description: GREEN ASPHALT SIDING NON-ACM	

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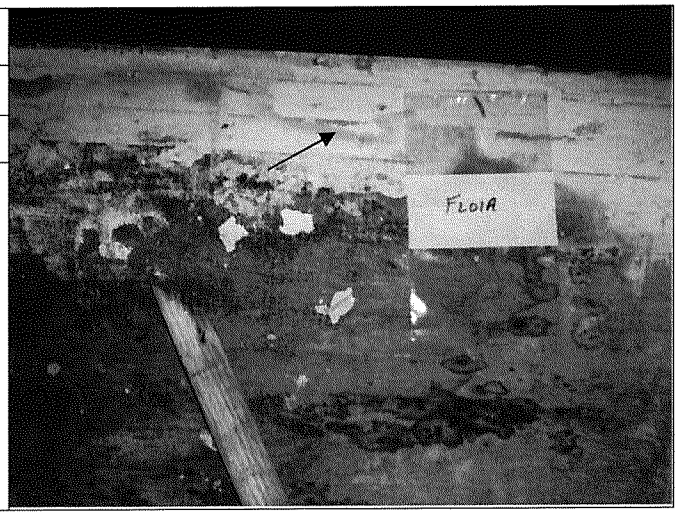
Photo No.	
25	
Location **101**	
Sample No. **FL01A**	
Description **TAN FLOOR LEVELER NON-ACM**	

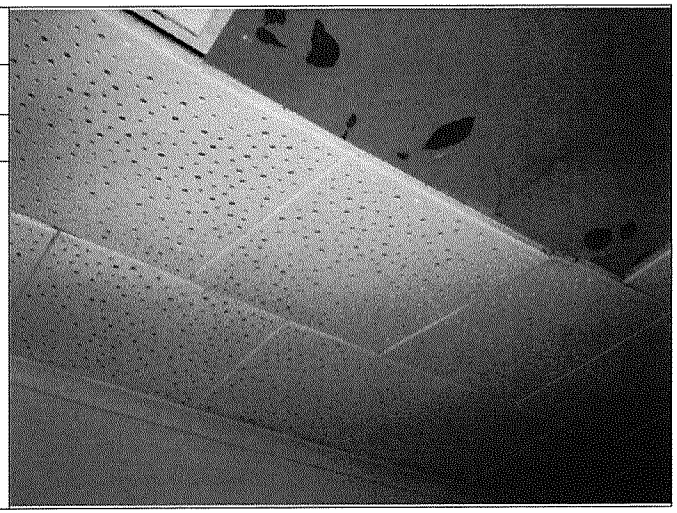
Photo No.	
26	
Location **102**	
Sample No. **CT01A**	
Description **1'X2' LARGE HOLE CEILING TILE NON-ACM**	

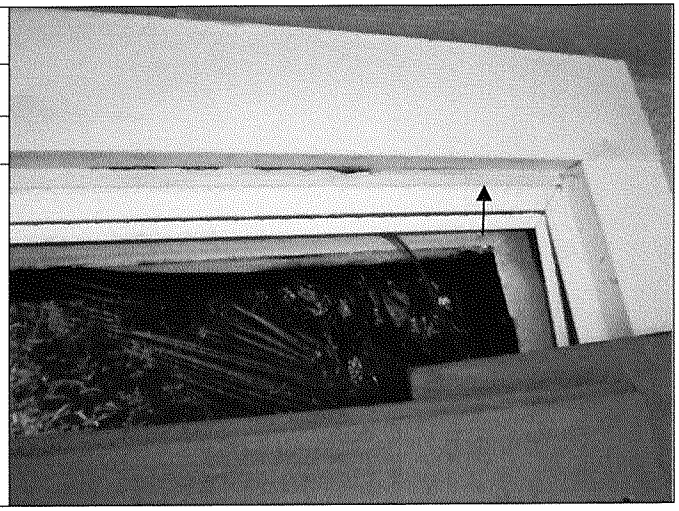
Photo No.	
27	
Location **EXTERIOR**	
Sample No. **WC01A**	
Description **WHITE WINDOW CAULK NON-ACM**	

Photo No.	
28	
Location **EXTERIOR**	
Sample No. **EC01A**	
Description **BLACK ELECTRICAL CAULK NON-ACM**	

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Photo No.	Location	Sample No.	Description
29	**R100**	**RM01A**	**BROWN ROOF SHINGLE NON-ACM**

Photo No.	Location	Sample No.	Description
30	**R100**	**RM02A**	**BLACK TAR PAPER NON-ACM**

Photo No.	Location	Sample No.	Description
31	**207**	**RM04A**	**GRAY ROLLED ROOFING NON-ACM**

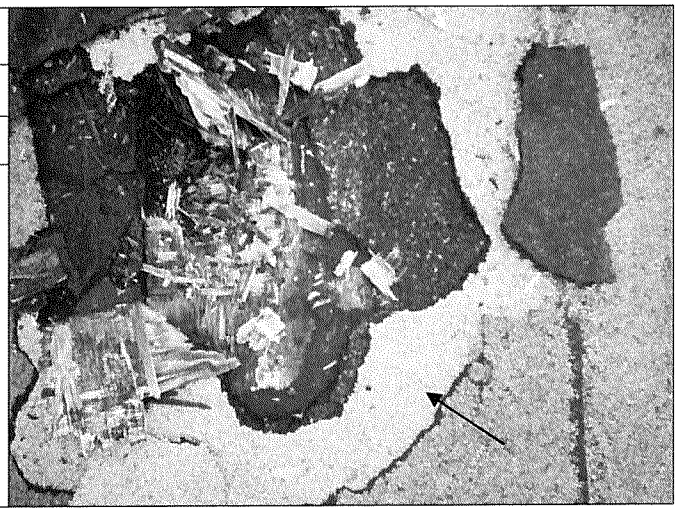

Photo No.	Location	Sample No.	Description
32	**207**	**RM05A**	**BLACK ROLLED ROOFING NON-ACM**

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PROJECT No. 981.004.001
Inspection Date: 5/21/12
Inspected By: **TJS /MDG**

Photo No.	
33	
Location **207**	
Sample No. **RM06A**	
Description **BLACK TAR PAPER NON-ACM**	

Photo No.	
34	
Location **207**	
Sample No. **RM07A**	
Description **BROWN ROLLED ROOFING NON-ACM**	

Photo No.	
35	
Location **104**	
Sample No. **BM01A**	
Description **BROWN BASEBOARD MOLDING NON-ACM TAN MASTIC NON-ACM**	

Photo No.	
Location	
Sample No.	
Description	

Appendix D

Asbestos Bulk Sample Analytical Results and Chain of Custody Records

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Barton & Loguidice, P.C.
Attn: John E. Rigge
PO Box 3107
290 Elwood Davis Road
Syracuse, NY 13220

Date Received 05/22/12 **AmeriSci Job #** 212053925
Date Examined 05/23/12 **P.O. #**
ELAP # 11480 **Page** 1 **of** 14
RE: 981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TM01A TM01	212053925-01.1 **Location:** Typical Plaster - White Coat	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
TM01A TM01	212053925-01.2 **Location:** Typical Plaster - Grey Coat	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: Grey, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Animal hair 1 %, Non-fibrous 99 %			
TM01B TM01	212053925-02.1 **Location:** Typical Plaster - White Coat	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
TM01B TM01	212053925-02.2 **Location:** Typical Plaster - Grey Coat	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Animal hair Trace, Non-fibrous 100 %			
TM01C TM01	212053925-03.1 **Location:** Typical Plaster - White Coat	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TM01C TM01	212053925-03.2 **Location:** Typical Plaster - Grey Coat	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
TM02A TM02	212053925-04 **Location:** Typical Stucco	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.9 % **Comment:** Appears to be Paint -NOB			
TM02B TM02	212053925-05 **Location:** Typical Stucco	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 34.5 % **Comment:** Appears to be Paint -NOB			
TM02C TM02	212053925-06 **Location:** Typical Stucco	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31.9 % **Comment:** Appears to be Paint -NOB			
TM03A TM03	212053925-07 **Location:** Ceiling Stucco	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TM03B TM03	212053925-08 **Location:** Ceiling Stucco	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
TM03C TM03	212053925-09 **Location:** Ceiling Stucco	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
WB01A WB01	212053925-10 **Location:** Typical Sheetrock	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Non-fibrous 80 %			
WB01B WB01	212053925-11 **Location:** Typical Sheetrock	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 25 %, Non-fibrous 75 %			
WB01C WB01	212053925-12 **Location:** Typical Sheetrock	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Non-fibrous 80 %			
WB02A WB02	212053925-13 **Location:** Exterior Wall Sheetrock	*No*	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Non-fibrous 80 %			

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WB02B WB02	212053925-14 **Location:** Exterior Wall Sheetrock **Analyst Description:** OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Non-fibrous 80 %	***No***	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
WB02C WB02	212053925-15 **Location:** Exterior Wall Sheetrock **Analyst Description:** OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %	***No***	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
WG01A WG01	212053925-16 **Location:** Window Glaze **Analyst Description:** OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.9 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
WG01B WG01	212053925-17 **Location:** Window Glaze **Analyst Description:** OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31.9 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
FT01A FT01	212053925-18 **Location:** 12" x 12" Black Floor Tile **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.7 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
FT01B FT01	212053925-19 **Location:** 12" x 12" Black Floor Tile **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.7 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FT02A FT02	212053925-20 **Location:** 12" x 12" White Square W/ Black Diamond Floor Tile **Analyst Description:** White/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.3 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
FT02B FT02	212053925-21 **Location:** 12" x 12" White Square W/ Black Diamond Floor Tile **Analyst Description:** White/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.3 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
FT03A FT03	212053925-22 **Location:** 12" x 12" Parquet Pattern Sheeting **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.1 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
FT03B FT03	212053925-23 **Location:** 12" x 12" Parquet Pattern Sheeting **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.4 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS01A VS01	212053925-24 **Location:** Green Design Sheeting **Analyst Description:** Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 14.5 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS01B VS01	212053925-25 **Location:** Green Design Sheeting **Analyst Description:** Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 19.6 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
VS02A VS02	212053925-26 **Location:** Wood Grain Sheeting **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.8 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS02B VS02	212053925-27 **Location:** Wood Grain Sheeting **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.7 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS03A VS03	212053925-28 **Location:** White Large Square Sheeting **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.1 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS03B VS03	212053925-29 **Location:** White Large Square Sheeting **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.8 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS04A VS04	212053925-30 **Location:** White Square Sheeting **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS04B VS04	212053925-31 **Location:** White Square Sheeting **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.8 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
VS05A VS05	212053925-32 **Location:** Brown Geometric Sheeting **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 3 %, Non-fibrous 30.3 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
VS05B VS05	212053925-33 **Location:** Brown Geometric Sheeting **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 1 %, Non-fibrous 15.2 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
MM01A MM01	212053925-34 **Location:** Brown Ceiling Tile Mastic **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 36.4 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
MM01B MM01	212053925-35 **Location:** Brown Ceiling Tile Mastic **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28.2 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
MM02A MM02	212053925-36 **Location:** Tan Floor Tile Mastic **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 32.8 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
MM02B MM02	212053925-37 **Location:** Tan Floor Tile Mastic **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28.4 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
MM03A MM03	212053925-38 **Location:** Tan Wall Mastic	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.9 %			
MM03B MM03	212053925-39 **Location:** Tan Wall Mastic	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.1 %			
MM04A MM04	212053925-40 **Location:** Tan Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 12.5 %			
MM04B MM04	212053925-41 **Location:** Tan Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.5 %			
MM05A MM05	212053925-42 **Location:** Black Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 48 %			
MM05B MM05	212053925-43 **Location:** Black Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 50.7 %			

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
AS01A AS01	212053925-44 **Location:** Green Asphalt Siding **Analyst Description:** Green/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31.1 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
AS01B AS01	212053925-45 **Location:** Green Asphalt Siding **Analyst Description:** Green/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 20.9 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
FL01A FL01	212053925-46 **Location:** Tan Floor Leveler **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %	***No***	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
FL01B FL01	212053925-47 **Location:** Tan Floor Leveler **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %	***No***	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
FL01C FL01	212053925-48 **Location:** Tan Floor Leveler **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %	***No***	NAD (by NYS ELAP 198.1) by Bella J. Chernis on 05/23/12
CT01A CT01	212053925-49 **Location:** 1' x 2' Large Hole Ceiling Tile **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CT01B CT01	212053925-50 **Location:** 1' x 2' Large Hole Ceiling Tile **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 13 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
WC01A WC01	212053925-51 **Location:** White Window Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11.3 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
WC01B WC01	212053925-52 **Location:** White Window Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11.7 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
EC01A EC01	212053925-53 **Location:** Black Electrical Caulk **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.3 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
EC01B EC01	212053925-54 **Location:** Black Electrical Caulk **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.8 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
RM01A RM01	212053925-55 **Location:** Brown Roof Shingle **Analyst Description:** Brown/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11.1 %	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RM01B RM01	212053925-56 **Location:** Brown Roof Shingle **Analyst Description:** Brown/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 22.2 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
RM02A RM02	212053925-57 **Location:** Black Tar Paper **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.3 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
RM02B RM02	212053925-58 **Location:** Black Tar Paper **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.7 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
RM03A RM03	212053925-59 **Location:** Black Roof Cement **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 20.8 %	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by Bella J. Chernis on 05/23/12
RM03B RM03	212053925-60 **Location:** Black Roof Cement **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 2.7 % **Other Material:** Non-fibrous 24.8 %	***Yes***	2.7 % (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
RM04A RM04	212053925-61 **Location:** Gray Rolled Roofing **Analyst Description:** Grey/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 26.4 %	***No***	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RM04B RM04	212053925-62 **Location:** Gray Rolled Roofing	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Grey/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 37.9 %			
RM05A RM05	212053925-63 **Location:** Black Rolled Roofing	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 24.4 %			
RM05B RM05	212053925-64 **Location:** Black Rolled Roofing	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28.2 %			
RM06A RM06	212053925-65 **Location:** Black Tar Paper	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.4 %			
RM06B RM06	212053925-66 **Location:** Black Tar Paper	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.5 %			
RM07A RM07	212053925-67 **Location:** Brown Rolled Roofing	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Brown/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28.5 %			

See Reporting notes on last page

AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RM07B RM07	212053925-68 **Location:** Brown Rolled Roofing	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Brown/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 32 %			
BM01A BM01	212053925-69L1 **Location:** Brown Baseboard Molding	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9 %			
BM01A BM01	212053925-69L2 **Location:** Brown Baseboard Molding Tan Mastic	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.4 %			
BM01B BM01	212053925-70L1 **Location:** Brown Baseboard Molding	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.1 %			
BM01B BM01	212053925-70L2 **Location:** Brown Baseboard Molding Tan Mastic	*No*	NAD (by NYS ELAP 198.6) by Bella J. Chernis on 05/23/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5 %			

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AmeriSci Job #: **212053925**
Client Name: Barton & Loguidice, P.C.

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

Reporting Notes:

Analyzed by: Bella J. Chernis

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples or 198.6 for NOB samples (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.; NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By:

END OF REPORT

AmeriSci Job #: 212053925

Client Name: Barton & Loguidice, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01.1	TM01A	TM01	---	---	---	---	NAD	NA
Location: Typical Plaster - White Coat								
01.2	TM01A	TM01	---	---	---	---	NAD	NA
Location: Typical Plaster - Grey Coat								
02.1	TM01B	TM01	---	---	---	---	NAD	NA
Location: Typical Plaster - White Coat								
02.2	TM01B	TM01	---	---	---	---	NAD	NA
Location: Typical Plaster - Grey Coat								
03.1	TM01C	TM01	---	---	---	---	NAD	NA
Location: Typical Plaster - White Coat								
03.2	TM01C	TM01	---	---	---	---	NAD	NA
Location: Typical Plaster - Grey Coat								
04	TM02A	TM02	0.105	27.6	29.5	42.9	NAD	NAD
Location: Typical Stucco								
05	TM02B	TM02	0.142	35.9	29.6	34.5	NAD	NAD
Location: Typical Stucco								
06	TM02C	TM02	0.204	39.7	28.4	31.9	NAD	NAD
Location: Typical Stucco								
07	TM03A	TM03	---	---	---	---	NAD	NA
Location: Ceiling Stucco								
08	TM03B	TM03	---	---	---	---	NAD	NA
Location: Ceiling Stucco								
09	TM03C	TM03	---	---	---	---	NAD	NA
Location: Ceiling Stucco								
10	WB01A	WB01	---	---	---	---	NAD	NA
Location: Typical Sheetrock								
11	WB01B	WB01	---	---	---	---	NAD	NA
Location: Typical Sheetrock								
12	WB01C	WB01	---	---	---	---	NAD	NA
Location: Typical Sheetrock								
13	WB02A	WB02	---	---	---	---	NAD	NA
Location: Exterior Wall Sheetrock								

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Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
14	WB02B	WB02	—	—	—	—	NAD	NA
Location: Exterior Wall Sheetrock								
15	WB02C	WB02	—	—	—	—	NAD	NA
Location: Exterior Wall Sheetrock								
16	WG01A	WG01	0.284	9.2	85.9	4.8	NAD	Anthophyllite Trace
Location: Window Glaze								
17	WG01B	WG01	0.301	12.0	56.1	31.9	NAD	NAD
Location: Window Glaze								
18	FT01A	FT01	0.235	31.5	63.8	4.7	NAD	NAD
Location: 12" x 12" Black Floor Tile								
19	FT01B	FT01	0.299	32.1	63.2	4.7	NAD	NAD
Location: 12" x 12" Black Floor Tile								
20	FT02A	FT02	0.381	26.8	66.9	6.3	NAD	NAD
Location: 12" x 12" White Square W/ Black Diamond Floor Tile								
21	FT02B	FT02	0.385	27.3	64.4	8.3	NAD	NAD
Location: 12" x 12" White Square W/ Black Diamond Floor Tile								
22	FT03A	FT03	0.366	25.9	71.0	3.1	NAD	NAD
Location: 12" x 12" Parquet Pattern Sheeting								
23	FT03B	FT03	0.567	25.2	73.4	1.4	NAD	NAD
Location: 12" x 12" Parquet Pattern Sheeting								
24	VS01A	VS01	0.220	66.8	18.6	14.5	NAD	NAD
Location: Green Design Sheeting								
25	VS01B	VS01	0.388	64.4	16.0	19.6	NAD	NAD
Location: Green Design Sheeting								
26	VS02A	VS02	0.255	65.1	25.1	9.8	NAD	NAD
Location: Wood Grain Sheeting								
27	VS02B	VS02	0.235	76.2	16.2	7.7	NAD	NAD
Location: Wood Grain Sheeting								
28	VS03A	VS03	0.277	53.8	45.1	1.1	NAD	NAD
Location: White Large Square Sheeting								
29	VS03B	VS03	0.276	51.4	46.7	1.8	NAD	NAD
Location: White Large Square Sheeting								

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Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
30	VS04A	VS04	0.399	52.9	45.1	2.0	NAD	NAD
Location: White Square Sheeting								
31	VS04B	VS04	0.353	50.4	46.7	2.8	NAD	NAD
Location: White Square Sheeting								
32	VS05A	VS05	0.378	48.1	18.5	33.3	NAD	NAD
Location: Brown Geometric Sheeting								
33	VS05B	VS05	0.185	65.9	17.8	16.2	NAD	NAD
Location: Brown Geometric Sheeting								
34	MM01A	MM01	0.302	57.6	6.0	36.4	NAD	NAD
Location: Brown Ceiling Tile Mastic								
35	MM01B	MM01	0.458	52.2	19.7	28.2	NAD	NAD
Location: Brown Ceiling Tile Mastic								
36	MM02A	MM02	0.241	52.3	14.9	32.8	NAD	NAD
Location: Tan Floor Tile Mastic								
37	MM02B	MM02	0.169	54.4	17.2	28.4	NAD	NAD
Location: Tan Floor Tile Mastic								
38	MM03A	MM03	0.438	32.6	61.4	5.9	NAD	NAD
Location: Tan Wall Mastic								
39	MM03B	MM03	0.253	34.4	60.5	5.1	NAD	NAD
Location: Tan Wall Mastic								
40	MM04A	MM04	0.192	35.9	51.6	12.5	NAD	NAD
Location: Tan Floor Mastic								
41	MM04B	MM04	0.182	33.5	61.0	5.5	NAD	NAD
Location: Tan Floor Mastic								
42	MM05A	MM05	0.512	31.8	20.1	48.0	NAD	NAD
Location: Black Floor Mastic								
43	MM05B	MM05	0.434	36.2	13.1	50.7	NAD	NAD
Location: Black Floor Mastic								
44	AS01A	AS01	0.483	49.5	19.5	31.1	NAD	NAD
Location: Green Asphalt Siding								
45	AS01B	AS01	0.306	48.7	30.4	20.9	NAD	NAD
Location: Green Asphalt Siding								

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Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
46	FL01A	FL01	---	---	---	---	NAD	NA
Location: Tan Floor Leveler								
47	FL01B	FL01	---	---	---	---	NAD	NA
Location: Tan Floor Leveler								
48	FL01C	FL01	---	---	---	---	NAD	NA
Location: Tan Floor Leveler								
49	CT01A	CT01	0.191	96.3	3.1	0.5	NAD	NAD
Location: 1' x 2' Large Hole Ceiling Tile								
50	CT01B	CT01	0.238	73.9	13.0	13.0	NAD	NAD
Location: 1' x 2' Large Hole Ceiling Tile								
51	WC01A	WC01	0.345	27.0	61.7	11.3	NAD	NAD
Location: White Window Caulk								
52	WC01B	WC01	0.248	27.4	60.9	11.7	NAD	NAD
Location: White Window Caulk								
53	EC01A	EC01	0.402	14.9	41.8	43.3	NAD	NAD
Location: Black Electrical Caulk								
54	EC01B	EC01	0.224	11.2	50.0	38.8	NAD	NAD
Location: Black Electrical Caulk								
55	RM01A	RM01	0.479	51.8	37.2	11.1	NAD	NAD
Location: Brown Roof Shingle								
56	RM01B	RM01	0.361	42.9	34.9	22.2	NAD	NAD
Location: Brown Roof Shingle								
57	RM02A	RM02	0.348	94.3	3.4	2.3	NAD	NAD
Location: Black Tar Paper								
58	RM02B	RM02	0.271	93.4	3.0	3.7	NAD	NAD
Location: Black Tar Paper								
59	RM03A	RM03	0.387	39.5	39.5	20.9	Chrysotile <0.25	NA
Location: Black Roof Cement								
60	RM03B	RM03	0.342	34.5	38.0	24.8	Chrysotile 2.7	NA
Location: Black Roof Cement								
61	RM04A	RM04	0.655	55.9	17.7	26.4	NAD	NAD
Location: Gray Rolled Roofing								

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AmeriSci Job #: 212053925

Client Name: Barton & Loguidice, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
62	RM04B	RM04	0.712	46.9	15.2	37.9	NAD	NAD
Location: Gray Rolled Roofing								
63	RM05A	RM05	0.759	49.3	26.4	24.4	NAD	NAD
Location: Black Rolled Roofing								
64	RM05B	RM05	0.666	44.3	27.5	28.2	NAD	NAD
Location: Black Rolled Roofing								
65	RM06A	RM06	0.383	95.0	1.6	3.4	NAD	NAD
Location: Black Tar Paper								
66	RM06B	RM06	0.513	95.7	1.8	2.5	NAD	NAD
Location: Black Tar Paper								
67	RM07A	RM07	0.562	45.7	25.8	28.5	NAD	NAD
Location: Brown Rolled Roofing								
68	RM07B	RM07	0.766	39.3	28.7	32.0	NAD	NAD
Location: Brown Rolled Roofing								
69L1	BM01A	BM01	0.439	40.5	55.6	3.9	NAD	NAD
Location: Brown Baseboard Molding								
69L2	BM01A	BM01	0.228	33.8	65.8	0.4	NAD	NAD
Location: Brown Baseboard Molding		Tan Mastic						
70L1	BM01B	BM01	0.587	40.5	55.4	4.1	NAD	NAD
Location: Brown Baseboard Molding								
70L2	BM01B	BM01	0.221	35.7	63.8	0.5	NAD	NAD
Location: Brown Baseboard Molding		Tan Mastic						

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AmeriSci Job #: 212053925

Client Name: Barton & Loguidice, P.C.

Table I
Summary of Bulk Asbestos Analysis Results

981.004.001; City Of Rochester; 42 Tilden Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM

Analyzed by: Madell E. Collins Madell E. Collins; Date Analyzed 5/25/2012

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

Barton & Loguidice, P.C.
Engineers · Environmental Scientists · Planners · Landscape Architects

Bulk Sample Chain-of-Custody

11 Centre Park
Suite 203
Rochester, NY 14614
585-325-7190 Fax: 585-325-4856

212053925

Client: City of Rochester
Location: 42 Tilden Street
Rochester, NY

Project No.: 981.004.001
Date Sampled: 5/21/2012
Sampled By: TJS/MDG

Sample Identification:	Description
TM01A,B,C	TYPICAL PLASTER
TM02A,B,C	TYPICAL STUCCO
TM03A,B,C	CEILING STUCCO
WB01A,B,C	TYPICAL SHEETROCK
WB02A,B,C	EXTERIOR WALL SHEETROCK
WG01A,B	WINDOW GLAZE
FT01A,B	12"x12" BLACK FLOOR TILE
FT02A,B	12"x12" WHITE SQUARE W/ BLACK DIAMOND FLOOR TILE
FT03A,B	12"x12" PARQUET PATTERN SHEETING
VS01A,B	GREEN DESIGN SHEETING
VS02A,B	WOOD GRAIN SHEETING
VS03A,B	WHITE LARGE SQUARE SHEETING
VS04A,B	WHITE SQUARE SHEETING
VS05A,B	BROWN GEOMETRIC SHEETING
MM01A,B	BROWN CEILING TILE MASTIC
MM02A,B	TAN FLOOR TILE MASTIC
MM03A,B	TAN WALL MASTIC
MM04A,B	TAN FLOOR MASTIC
MM05A,B	BLACK FLOOR MASTIC
AS01A,B	GREEN ASPHALT SIDING
FL01A,B,C	TAN FLOOR LEVELER
CT01A,B	1'x2' LARGE HOLE CEILING TILE

Total Number of Samples: 70

Analysis Required:

		Comments:
Polarized Light Microscopy	X	Stop at first positive (> than 1% asbestos) in each sample series.
PLM - NOB	X	Advance to TEM if PLM result is 1% asbestos or less.

Report Results to:

Email: Tim Strzepek — By: 72 TAT — Email/Fax: tstrzepek@bartonandloguidice.com
Email: — 72 TAT

	Signature:	Date:	Comments:
Relinquished by:		5/21/12	
Received by Lab.:		5-22-12	1225
Received by Analyst:		5/24/12	1510

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

Bulk Sample Chain-of-Custody

11 Centre Park
Suite 203
Rochester, NY 14614
585-325-7190 Fax: 585-325-4856

212053925

Client: City of Rochester
Location: 42 Tilden Street
Rochester, NY

Project No.: 981.004.001
Date Sampled: 5/21/2012
Sampled By: TJS/MDG

Sample Identification:	Description
WC01A,B	WHITE WINDOW CAULK
EC01A,B	BLACK ELECTRICAL CAULK
RM01A,B	BROWN ROOF SHINGLE
RM02A,B	BLACK TAR PAPER
RM03A,B	BLACK ROOF CEMENT
RM04A,B	GRAY ROLLED ROOFING
RM05A,B	BLACK ROLLED ROOFING
RM06A,B	BLACK TAR PAPER
RM07A,B	BROWN ROLLED ROOFING
BM01A,B	BROWN BASEBOARD MOLDING + TAN MASTIC

Sample Identification:	Description

Total Number of Samples:

Analysis Required:

		Comments:
Polarized Light Microscopy	X	Stop at first positive (> than 1% asbestos) in each sample series.
PLM - NOB	X	Advance to TEM if PLM result is 1% asbestos or less.

Report Results to:

Email: Tim Strzepek By: 72 TAT Email/Fax: tstrzepek@bartonandloguidice.com
Email: 72 TAT

	Signature:	Date:	Comments:
Relinquished by:		5/21/12	
Received by Lab.:		5/22/12	1225
Received by Analyst:		5/24/12	1510

Appendix E

Barton & Loguidice, P.C.
Asbestos License and Certificates

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Barton & Loguidice, P.C.

P.O. Box 3107

Syracuse, NY 13220

FILE NUMBER: 99-0130
LICENSE NUMBER: 29267
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/02/2012
EXPIRATION DATE: 02/28/2013

Duly Authorized Representative – Scott D Nostrand:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

TIMOTHY J STRZEPEK
CLASS(EXPIRES)
C ATEC(07/12) D INSP(07/12)
H PM (07/12)

DEPARTMENT OF LABOR

CERT# 90-03201
DMV# 685146125

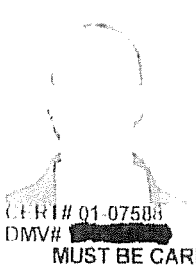
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



MICHAEL D GOFF
CLASS(EXPIRES)
C ATEC(12/12) D INSP(12/12)
H PM (12/12)

CERT# 01-07508
DMV# [redacted]
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 6' 03"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

Appendix F

Laboratory Certificates

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL MUCHA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

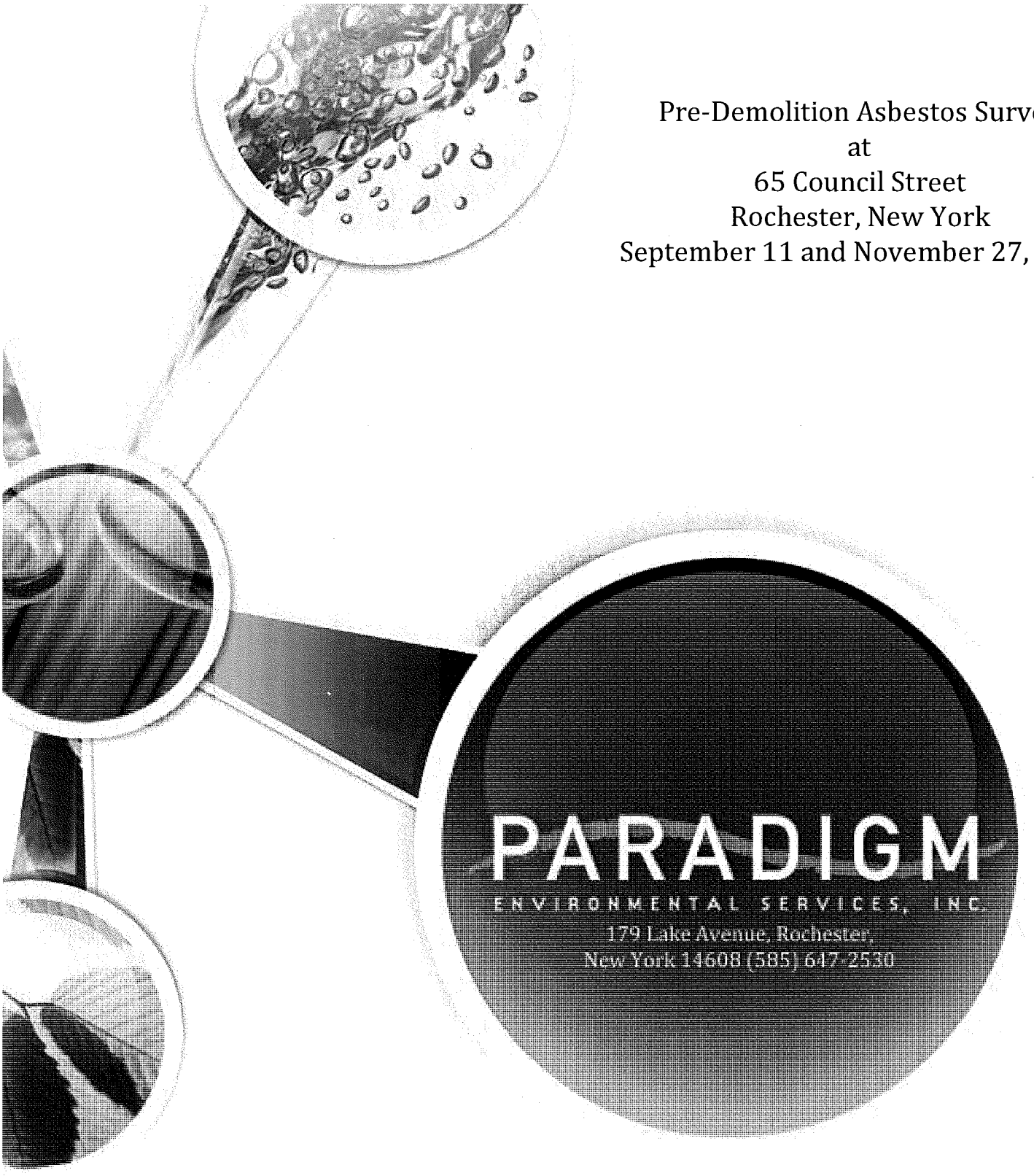
is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 46752

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



Pre-Demolition Asbestos Survey
at
65 Council Street
Rochester, New York
September 11 and November 27, 2012

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-0850

65 COUNCIL STREET
ROCHESTER, NEW YORK

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** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-0850

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **September 11 and November 27, 2012** to conduct an inspection for the detection of asbestos containing materials located at **65 Council Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspector Russell Landry (AH#12-08466) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **65 Council Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **65 Council Street, Rochester, New York** on **September 11 and November 27, 2012**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	*Sample #'s taken in Room*	*Positive Sample ID #*	*Positive Material Description*	*Location of Material*	*Condition*	*Friable Non-Friable NOB*	*Type of Material*	*SQ FT*	*Lin FT*	*Units*

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
65 Council Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
DWC-004	White Wall Plaster	None Detected	Not Required	Non-Friable
DWC-004	White Drywall Compound	None Detected	Not Required	Non-Friable
PNT-005	White Paint	Inconclusive No Asbestos Detected	None Detected	NOB
PNT-006	White Paint	Inconclusive No Asbestos Detected	None Detected	NOB
SCT-007	Tan Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SCT-008	Tan Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
WLB-023	Green Wallboard	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
WLB-028	Green Wallboard	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
WLB-031	Brown Wallboard	None Detected	Not Required	Non-Friable
WLB-032	Brown Wallboard	None Detected	Not Required	Non-Friable
WPL-033	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-033	Gray Wall Plaster	None Detected	Not Required	Non-Friable
MAS-035	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
WPL-036	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-036	Gray Wall Plaster	None Detected	Not Required	Non-Friable
MAS-037	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-038	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
WLB-039	Gray Wallboard	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
WLB-040	Gray Wallboard	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
WPL-041	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-041	Gray Wall Plaster	None Detected	Not Required	Non-Friable
WLB-057	Gray Wallboard	None Detected	Not Required	Non-Friable
WLB-060	Gray Wallboard	None Detected	Not Required	Non-Friable
WLB-061	White Wallboard	None Detected	Not Required	Non-Friable
WLB-062	Gray Wallboard	None Detected	Not Required	Non-Friable
Flooring Materials				
FMB-002	Tan Floor Membrane	None Detected	Not Required	Non-Friable
FMB-003	Tan Floor Membrane	None Detected	Not Required	Non-Friable
SVL-009	Green Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-010	Green Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-011	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-012	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT-013	Tan Floor Tile and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT-014	Tan Floor Tile and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT-015	Brown Floor Tile	Chrysotile 14%	Not Required	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-0850

MATERIALS TESTED
65 Council Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
FTM-016	Black Floor Tile Mastic	Chrysotile 5.9%	Not Required	NOB
FT-019	Brown Floor Tile	Chrysotile 13%	Not Required	NOB
FTM-020	Black Floor Tile Mastic	Chrysotile 2.9%	Not Required	NOB
SVL-021	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
FT-022	Gray Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT-024	Gray Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
VPB-025	Black Vapor Barrier	Chrysotile 18%	Not Required	NOB
MAS-029	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-030	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT-049	Brown Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT-050	Brown Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-051	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-051	Black Tar Paper	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
FTM-052	Black/Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-052	Black Tar Paper	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
SVL-053	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-054	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-055	Tan Floor Tile Mastic	Chrysotile 3.3%	Not Required	NOB
FTM-056	Tan Floor Tile Mastic	Chrysotile 5.4%	Not Required	NOB
SVL-058	Tan Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-058	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-059	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-059	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT-062	Black Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT-063	Black Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-064	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-065	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-066	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-067	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
Thermal Systems Insulation				

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-0850

MATERIALS TESTED
65 Council Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
TSI-017	Gray Thermal Systems Insulation	Chrysotile 80%	Not Required	Friable
TSI-018	Gray Thermal Systems Insulation	Chrysotile 80%	Not Required	Friable
TSI-026	Gray Thermal Systems Insulation	Chrysotile 80%	Not Required	Friable
TSI-027	Gray Thermal Systems Insulation	Chrysotile 80%	Not Required	Friable
INS-080	Gray Insulation	None Detected	Not Required	Friable
Window Caulk and Glaze				
WIG-001	Gray Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
WIC-044	Black Window Caulk	Chrysotile 11%	Not Required	NOB
WIG-081	Gray Window Glaze	Inconclusive No Asbestos Detected	None Detected	NOB
Exterior Materials				
TRP-042	Red Tar Paper	None Detected	Not Required	Friable
TRP-043	Red Tar Paper	None Detected	Not Required	Friable
TRP-048	Black Tar Paper	None Detected	Not Required	Friable
ROF-068	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-069	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
WLB-070	Gray Wallboard	None Detected	Not Required	Friable
TRP-071	Black Tar Paper	None Detected	Not Required	Friable
DWL-072	Gray Drywall	None Detected	Not Required	Non-Friable
TRP-073	Black Tar Paper	None Detected	Not Required	Non-Friable
WLB-079	Gray Wallboard	None Detected	Not Required	Friable
Roofing Materials				
ROS-045	Black Roofing Shingle	Inconclusive Trace Chrysotile Detected	None Detected	NOB
ROS-046	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-047	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
RTR-074	Black Roofing Cement/Tar	Chrysotile 15%	Not Required	NOB
RTR-075	Black Roofing Cement/Tar	Chrysotile 12%	Not Required	NOB
ROF-076	Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-077	Black/Green Roofing	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-078	White/Black Roofing	Inconclusive No Asbestos Detected	None Detected	NOB

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
65 Council Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement 600 square feet	015-020	FT-015, 019	Brown 9"x9" Floor Tile	Floor	Poor	NOB	Misc	600		
		FTM-016, 020	Black Floor Tile Mastic	Under Brown 9"x9" Floor Tile	Poor	NOB	Misc	600		
		TSI-017, 018	Gray Thermal Systems Insulation	Duct Insulation	Poor	Friable	TSI	18		
First Floor										
1 Bedroom 100 square feet	001, 002	None	No Asbestos Detected					0	0	0
2 Living Room 231 square feet	003-008 041	None	No Asbestos Detected					0	0	0
3 Kitchen 121 square feet	009-012 021, 022 023-027 033-040	VPB-025 TSI-026	Brown Vapor Barrier Gray Thermal Systems Insulation	Base Layer Floor Duct Insulation	Fair Fair	NOB Friable	Misc TSI	121 20		
4 Entrance 24 square feet	None	None	No Asbestos Detected					0	0	0
5 Bathroom 28 square feet	023 029-032	None	No Asbestos Detected					0	0	0
6 Closet 12 square feet	None	None	No Asbestos Detected					0	0	0
Second Floor										
7 Bedroom 100 square feet	053	None	No Asbestos Detected					0	0	0
8 Bedroom 120 square feet	054-056	FTM-055, 056	Tan Floor Tile Mastic	Floor	Fair	NOB	Misc	120		
9 Bedroom 120 square feet	None	None	No Asbestos Detected					0	0	0
10 Bathroom 40 square feet	057	None	No Asbestos Detected					0	0	0
11 Bedroom 120 square feet	058-060	None	No Asbestos Detected					0	0	0
12 Storage 16 square feet	None	None	No Asbestos Detected					0	0	0
13 Hallway 32 square feet	013, 014 049-052	None	No Asbestos Detected					0	0	0

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-0850

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
65 Council Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
				Attic						
Attic 80 square feet	061-067	None	No Asbestos Detected					0	0	0
				Exterior						
Exterior	042, 048	WIC-044	Black Window Caulk	Window	Fair	NOB	Misc		308	
	068-081	RTR-074, 075	Black Roofing Cement/ Tar	Upper Roof	Fair	NOB	Misc	50		
								1529	308	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

***** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.***

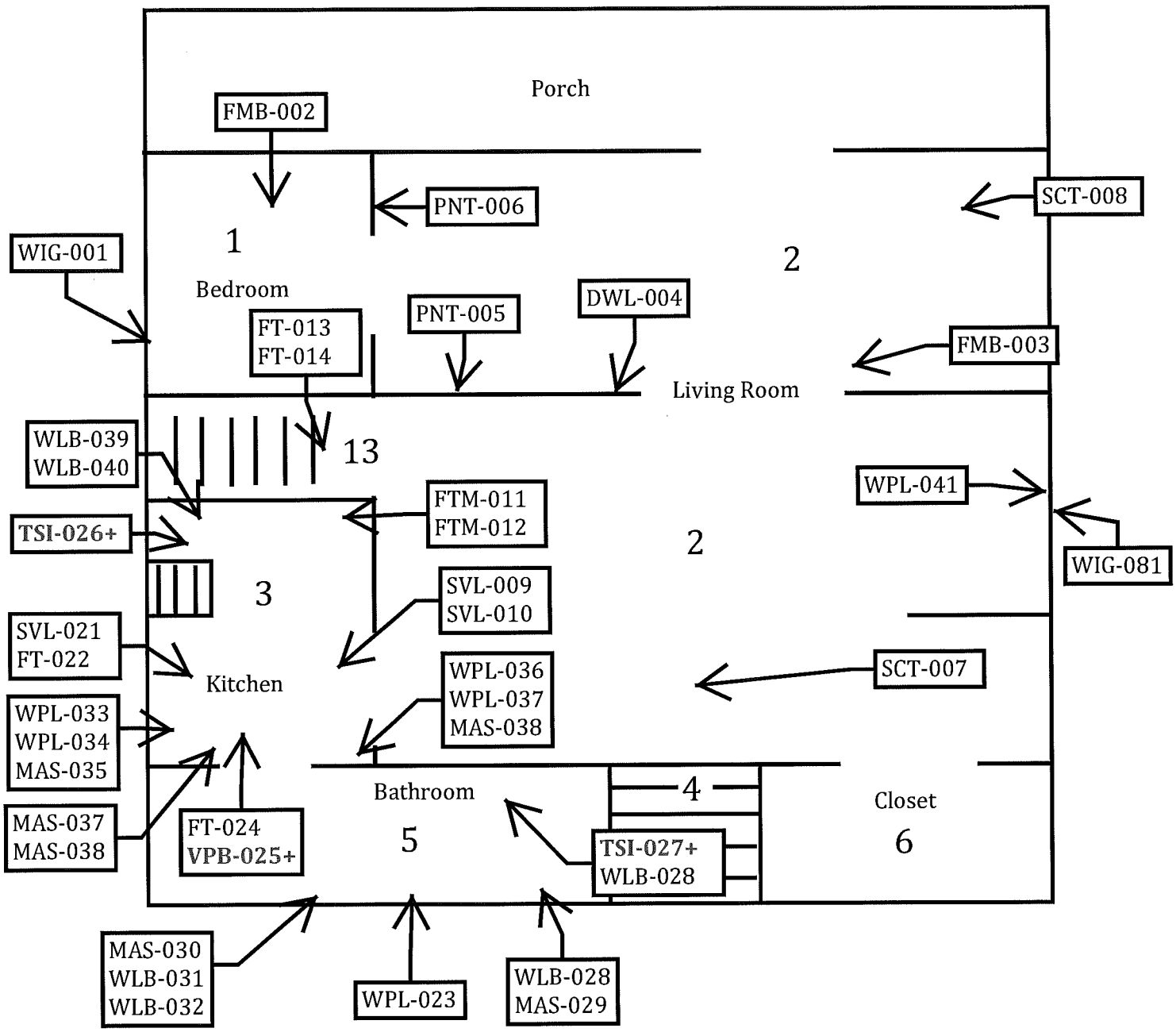
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

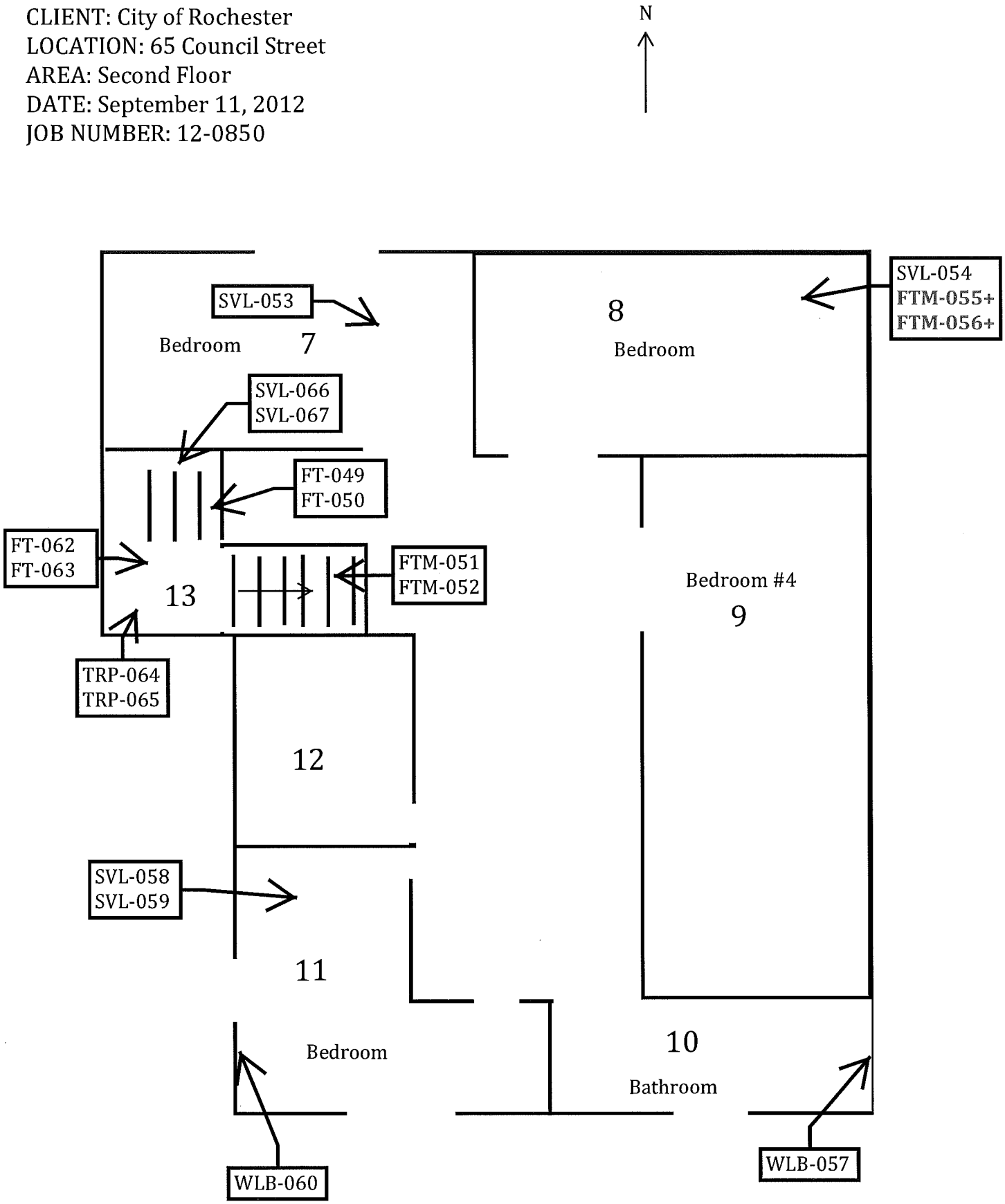
Paradigm certifies that this report regarding 65 Council Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on September 11 and November 27, 2012.

Russell Landry
Envoy Environmental Consultants, Inc.
Inspector # AH 12-08466

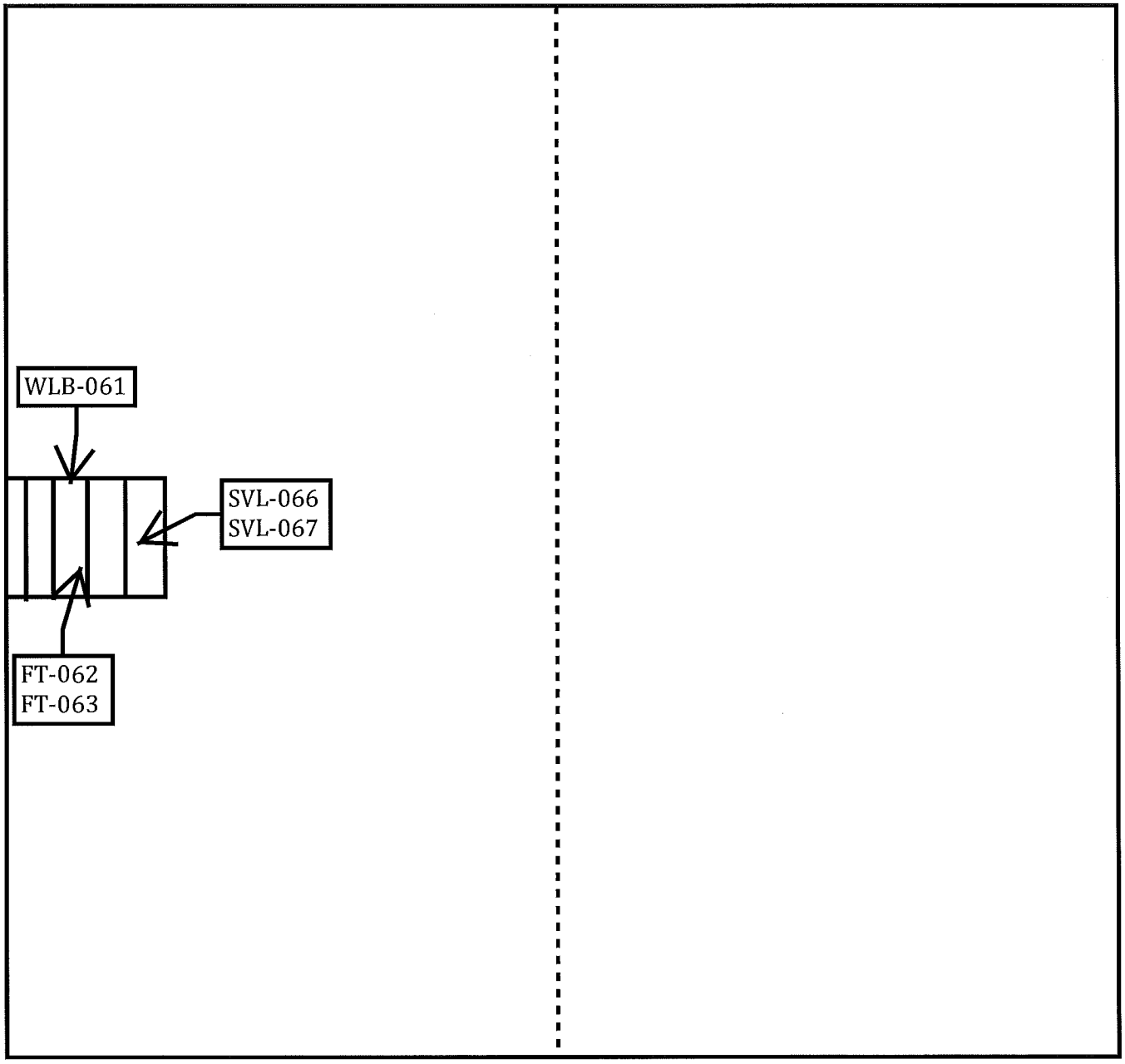
CLIENT: City of Rochester
LOCATION: 65 Council Street
AREA: First Floor
DATE: September 11 and November 27, 2012
JOB NUMBER: 12-0850



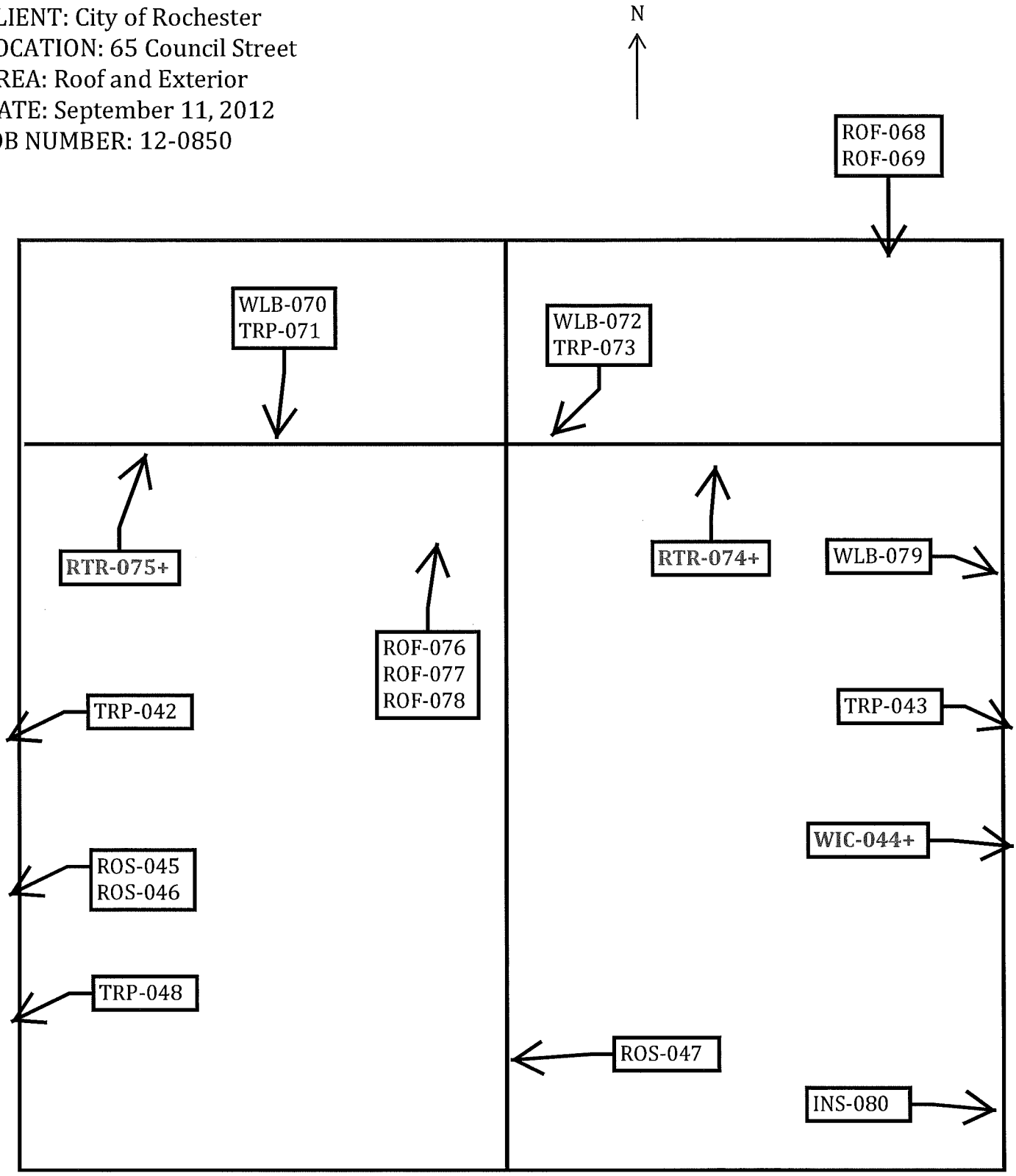
CLIENT: City of Rochester
LOCATION: 65 Council Street
AREA: Second Floor
DATE: September 11, 2012
JOB NUMBER: 12-0850



CLIENT: City of Rochester
LOCATION: 65 Council Street
AREA: Attic
DATE: September 11, 2012
JOB NUMBER: 12-0850



CLIENT: City of Rochester
LOCATION: 65 Council Street
AREA: Roof and Exterior
DATE: September 11, 2012
JOB NUMBER: 12-0850



PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10161-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WIG-001	69192	1st Floor, Bedroom 1 - Window	Gray Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
FMB-002	69193	1st Floor, Bedroom 1 - Floor	Tan Fibrous Floor Membrane	None Detected	0%		Not Required	N/A	Cellulose 80%	20%
FMB-003	69194	Living Room - Tan Floor	Tan Fibrous Floor Membrane	None Detected	0%		Not Required	N/A	Cellulose 80%	20%
DWC-004	69195a	Living Room Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
DWC-004	69195b	Living Room Wall	White Drywall Compound	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
PNT-005	69196	Living Room Wall	White Paint	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
PNT-006	69197	Living Room Wall	White Paint	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SCT-007	69198	Living Room Ceiling	Tan Fibrous Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 85%	15%
SCT-008	69199	Living Room Ceiling	Tan Fibrous Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 85%	15%
SVL-009	69200	Kitchen Floor	Green Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 10%	90%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/18/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 9/24/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10161-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-010	69201	Kitchen Floor	Green Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 10%	90%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 9/18/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 9/24/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Cent Colombo / Chuck Fox	OFFICE USE ONLY
Phone Number: 428 6922	Fax Number:	Job #: 10161-12
Client Mailing Address: City Hall 28B	Results To Colombo C@CityofRochester.gov. Foxc@	Page 3 of 3
30 Church St	Date Sampled: 9-11-12	Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Rochester N.Y. 14614	Project Location: 65 Council St. Rochester NY	Material Type/Quantity: Friable 5 NOB 5 TEM
		Date Logged In: 9/14/12
		Logged In By: KS
		1 of 8 COC

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	WIG 001	69192	1st Floor Bedroom ① - window	Grey		NOB
2	FMB 002	193	1st Fl. Bedroom ① - Floor	Tan		FR
3	FMB 003	194	Living Room - Tan Floor	Tan		FR
4	DWC-004	195 A B	L.R. wall	white		FR
5	PNT-005	196	L.R. wall	white		non
6	PNT-006	197	L.R. wall	white		non
7	SCT-007	198	L.R. ceiling	Tan		FRI
8	SCT-008	199	L.R. ceiling	Tan		FRI
9	SVL-009	200	Kitchen Floor	Green		NOB
#	SVL-010	201	Kitchen Floor	Green		NOB

Sampled By: Russ Landry	Date: 9-13-12
Transported to Paradigm By: R.L.	Date: 9-13-12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: ☐

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10162-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FTM-011	69202	Kitchen	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-012	69203	Kitchen	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT-013	69204	Hallway Stairs Up	Tan Floor Tile and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Wollastonite 2%	93%
FT-014	69205	Hallway Stairs Up	Tan Floor Tile and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Wollastonite 2%	93%
FT-015	69206	Basement Floor 9"x9"	Brown Fibrous Floor Tile	Chrysotile 14%	14%	√	Not Required	N/A	None Detected	86%
FTM-016	69207	Basement Floor	Black Floor Tile Mastic	Chrysotile 5.9%	5.9%	√	Not Required	N/A	None Detected	94.1%
TSI-017	69208	Duct Insulation	Gray Fibrous Thermal Systems Insulation	Chrysotile 80%	80%		Not Required	N/A	Cellulose 10%	10%
TSI-018	69209	Duct Seam Tape	Gray Fibrous Thermal Systems Insulation	Chrysotile 80%	80%		Not Required	N/A	Cellulose 10%	10%
FT-019	69210	Basement Floor	Brown Fibrous Floor Tile	Chrysotile 13%	13%	√	Not Required	N/A	None Detected	87%
FTM-020	69211	Basement Floor Mastic	Black Floor Tile Mastic	Chrysotile 2.9%	2.9%	√	Not Required	N/A	None Detected	97.1%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/18/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 9/24/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Curt Colombo / Chuck Fox
Phone Number: 428 6922	Fax Number:
Client Mailing Address: City Hall 28B 30 Church St Rochester N.Y. 14614	Results To: Colombo C@Cityofroch-ester.gov. Foxc@
Date Sampled: 9/11-12	Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Project Location: 65 Council St. Rochester NY	Material Type/Quantity: Friable 2 NOB 8 TEM

OFFICE USE ONLY

Job #: 10162-12

Page 2 of 2

Date Logged In: 9/14/12

Logged In By: KS

2 of 8 COC

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	FTM-011	69202	Kitchen	Bl.		NOB
2	FTM-012	203	Kitchen	Bl.		NOB
3	FT-013	204	Hallway stairs up	Tan		NOB
4	FT-014	205	Hallway stairs up	Tan		NOB
5	FT-015	206	Basement Floor 9x9	Brown		NOB
6	FTM-016	207	Basement Floor	Bl.		NOB
7	TSI-017	208	Duct Insulation	Grey		FRI
8	TSI-018	209	Duct Seam Tape	Grey		FRI
9	FT-019	210	Basement Floor	Brown		NOB
#	FTM-020	211	Base Fl. Mastic	Bl.		NOB

Sampled By: Russ Landry	Date: 9-13-12
Transported to Paradigm By: R. L.	Date: 9/13/12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10163-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-021	68212	Kitchen Floor	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FT-022	68213	Kitchen Floor	Gray Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WLB-023	68214	1st Floor, Bathroom	Green Wall Board	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
FT-024	68215	Kitchen & Bathroom	Gray Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
VPB-025	68216	Base Layer Kitchen Floor	Brown Fibrous Vapor Barrier	Chrysotile 18%	18%	√	Not Required	N/A	None Detected	82%
TSI-026	68217	Duct Insulation	Gray Fibrous Thermal Systems Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
TSI-027	68218	Duct Insulation	Gray Fibrous Thermal Systems Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
WLB-028	68219	1st Floor, Bathroom	Green Wall Board	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
MAS-029	68220	1st Floor, Bathroom	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-030	68221	1st Floor, Bathroom	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/18/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 9/24/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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PARADIGM ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Cient Colombo / Chuck Fox	OFFICE USE ONLY
Phone Number: 428 6922	Fax Number:	Job #: 10463-12
Client Mailing Address: City Hall 28B	Results To Colombo C@CityofRoch-ester.gov. Foxc@...	Page 2 of 2
30 Church St	Date Sampled: 9-11-12	Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Rochester NY 14614	Project Location: 65 Council St. Rochester NY	Material Type/Quantity: Friable 3 NOB 7 TEM
		Date Logged In: 9/14/12
		Logged In By: KS
		3 of 8 COC

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	SVK-021	69212	Kitch Floor	Tan		NOB
2	FT-022	213	Kitchen Floor	Grey		NOB
3	WLB-023	214	1st Fl. Bathroom	Green		NOB
4	FT-024	215	Kitchen & Bathroom	Grey		NOB
5	VFB-025	216	Base layer Kitchen Fl.	Brown		FRI
6	TSI-026	217	Duct Insulation	GR		FRI
7	TSI-027	218	Duct Insulation	GR.		FRI
8	WLB-028	219	1st Fl. Bathroom	Green		NOB
9	MAS-029	220	1st Fl. Bathroom	TAN		NOB
#	MAS-030	221	1st Fl. Bath	TAN		NOB

NO TEM

Sampled By: Russ Landry	Date: 9-13-12
Transported to Paradigm By: R. C.	Date: 9-13-12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓
or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10164-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WLB-031	69222	1st Floor, Bathroom	Brown Fibrous Wall Board	None Detected	0%		Not Required	N/A	Cellulose 90% Fiberglass 2% Synthetic 2%	6%
WLB-032	69223	1st Floor, Bathroom	Brown Fibrous Wall Board	None Detected	0%		Not Required	N/A	Cellulose 90% Fiberglass 2% Synthetic 2%	6%
WPL-033	69224a	Kitchen Wall Plaster	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-033	69224b	Kitchen Wall Plaster	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
WLB-034	69225	Kitchen Wall	Brown Fibrous Wall Board	None Detected	0%		Not Required	N/A	Cellulose 85%	15%
MAS-035	69226	Kitchen Wall	Brown Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WPL-036	69227a	Kitchen Wall Plaster	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-036	69227b	Kitchen Wall Plaster	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
MAS-037	69228	Kitchen Wall	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-038	69229	Kitchen Wall	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 9/18/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 9/24/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10164-12
Page: 2 of 3

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WLB-039	69230	Kitchen Backsplash	Gray Wall Board	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
WLB-040	69231	Kitchen Counter	Gray Wall Board	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

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PLM Date Analyzed: 9/18/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 9/24/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
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PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Cent Colombo / Chuck Fox
Phone Number: 428 6922	Fax Number:
Client Mailing Address: City Hall 28B	Results To Colombo C@CityofRochester.gov. Foxc@...
30 Church St	Date Sampled: 9-12-12
Rochester NY 14614	Project Location: 65 Council St. Rochester NY

Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐

Material Type/Quantity: Friable 4 NOB 6 TEM

OFFICE USE ONLY

Job #: 10164-12

Page 3 of 3

Date Logged In: 9/14/12

Logged In By: KS

4 of 8 COC

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	WLB-031	69222	1st Fl. Bath	Brown		FRI
2	WLB-032	223	1st Fl. Bath	Brown		FRI
3	WPL-033	224 A B	Kitchen wall Plaster	Grey		FRI
4	WLB-034	225	Kitchen wall	Brown		NON-FRI
* 5	~~MAS~~ WLB-035	226	Kitchen wall	Brown		NON-FRI
6	WPL-036	227 A B	Kitchen wall Plaster	Grey		FRI
7	MAS-037	228	Kitchen wall	Tan		NOB
8	MAS-038	229	Kitchen wall	Tan		NOB
~~9~~ NO TEM	WLB-039	230	Kitchen backsplash 4x9	Grey		NON-F
~~10~~ NO TEM	WLB-040	231	Kitchen Counter	Grey		NON-F

Sampled By: Russ Gandy	Date: 9-13-12
Transported to Paradigm By: R. C.	Date: 9-13-12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:

* WLB-035 Sample is MAS 9.19.12 fw

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10165-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WPL-041	69232a	Living Room Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-041	69232b	Living Room Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
TRP-042	69233	Exterior Siding - Base Tar Paper	Red Fibrous Tar Paper	None Detected	0%		Not Required	N/A	Cellulose 75%	25%
TRP-043	69234	Exterior Siding - Base Tar Paper	Red Fibrous Tar Paper	None Detected	0%		Not Required	N/A	Cellulose 75%	25%
WIC-044	69235	East Window 2nd Floor	Black Fibrous Window Caulk	Chrysotile 11%	11%	√	Not Required	N/A	None Detected	89%
ROS-045	69236	Roof Type Siding (Lower)	Black Roofing Shingle	Inconclusive Trace Chrysotile Detected	<1.0%	√	None Detected	<1.0%	None Detected	100%
ROS-046	69237	Roof Type Siding (Upper)	Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-047	69238	Roof Type Siding (Peak)	Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-048	69239	Base Layer Siding Paper	Black Fibrous Tar Paper	None Detected	0%		Not Required	N/A	Cellulose 95%	5%
FT-049	69240	Stairs Landing to Upstairs	Brown Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass <1.0%	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/19/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 9/27/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10165-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT-050	69242	Stairs Landing to Upstairs	Brown Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 9/19/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 9/27/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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179 Lake Avenue, Rochester, NY 14608 Office: 585-647-2530 Fax: 585-647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Curt Colombo / Chuck Fox
Phone Number: 428 6922	Fax Number:
Client Mailing Address: City Hall 28B 30 Church St Rochester N.Y. 14614	Results To: Colombo C@CityofRochester.gov - Fox C@
Date Sampled: 9-11-12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Other [ ]
Project Location: 65 Council St. Rochester N.Y.	Material Type/Quantity: Friable 1 NOB 9 TEM

OFFICE USE ONLY

Job #: 10164-12

Page 2 of 2

Date Logged In: 9/14/12

Logged In By: KS

5 of 8 COC

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	WPL-041	69232 A. B.	Living Room wall	Grey		FRI
2	TRP-042	233	Exterior Siding - base tar paper	Red		NON F
3	TRP-043	234	Ext. Siding base Tar paper	Red		NON F
4	WIC-044	235	East window 2nd Fl.	Black		NOB
5	ROS-045	236	Roof type Siding (Lower)	Black		NOB
6	ROS-046	237	Roof type Siding (upper)	Black		NOB
7	ROS-047	238	Roof type Siding (Peak)	Black		NOB
8	TRP-048	239	Base layer Siding Paper	Black		NON F
9	FT-049	240	Stairs Landing to upstairs	Brown		NOB
#	FT-050	241	Stairs landing to upstairs	Brown		NOB

Sampled By: Russ Landing	Date: 9-13-12
Transported to Paradigm By: R.L.	Date: 9-13-12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [✓]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: [ ]

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10166-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FTM-051	69242A	Stairs Landing Mastic	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-051	69242B	Stairs Landing Mastic	Black Fibrous Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	Cellulose 60% Synthetic 5%	35%
FTM-052	69243A	Stairs Landing Mastic	Black/Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-052	69243B	Stairs Landing Mastic	Black Fibrous Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	Cellulose 60% Synthetic 5%	35%
SVL-053	69244	Bedroom #2	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-054	69245	Bedroom #3	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-055	69246	Bedroom #3	Tan Floor Tile Mastic	Chrysotile 3.3%	3.3%	√	Not Required	N/A	None Detected	96.7%
FTM-056	69247	Bedroom #3	Tan Floor Tile Mastic	Chrysotile 5.4%	5.4%	√	Not Required	N/A	None Detected	94.6%
WLB-057	69248	2nd Floor, Bathroom	Gray Wall Board	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
SVL-058	69249A	Bedroom #5	Tan Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 3%	92%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

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 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/19/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 9/27/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10166-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-058	69249B	Bedroom #5	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-059	69250A	Bedroom #5	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5% Fiberglass 3%	92%
SVL-059	69250B	Bedroom #5	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WLB-060	69251	Bedroom #5	Gray Wall Board	None Detected	0%		Not Required	N/A	Cellulose 3%	97%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 9/18/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 9/27/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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179 Lake Avenue, Rochester, NY 14608 Office: 585-647-2530 Fax: 585-647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Curt Colombo / Chuck Fox
Phone Number: 428 6922	Fax Number:
Client Mailing Address: City Hall 28B 30 Church St Rochester N.Y. 14614	Results To: Colombo C@CityofRochester.gov. Fox C@...
Date Sampled: 9-11-12	Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Project Location: 65 Council St. Rochester NY	Material Type/Quantity: Friable 2 NOB 8 TEM

OFFICE USE ONLY

Job #: 10166-12

Page 2 of 3

Date Logged In: 9/14/12

Logged In By: KS

6 of 8 COC

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	FTM-051	69242A	B stairs landing mastic	Bl.		NOB
2	FTM-052	243A	B Stairs landing mastic	Bl		NOB
3	SVL-053	244	Bedroom #2	Tan		NOB
4	SVL-054	245	Bedroom #3	Tan		NOB
* 5	FTM-055	246	Bedroom #3	Tan		NOB
* 6	FTM-056	247	Bedroom #3	Tan		NOB
7	MLB-057	248	2nd Fl. Bathroom	Grey		FRI
8	SVL-058	249AB	Bedroom #5	Tan		NOB
9	SVL-059	250AB	Bedroom #5	Tan		NOB
#	MLB-060	251	Bedroom #5	Grey		FRI

Sampled By: Russ Landry	Date: 9-13-12
Transported to Paradigm By: R. L.	Date: 9-13-12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:

* FTM-055/056 - looks like SV1 mastic from 53 + 54

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10167-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WLB-061	69252a	Wall Stairs Up to Attic	White Wall Board	None Detected	0%		Not Required	N/A	None Detected	100%
WLB-061	69252b	Wall Stairs Up to Attic	Gray Wall Board	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
FT-062	69253	Stairs to Attic	Black Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose <1.0% Synthetic <1.0%	100%
FT-063	69254	Stairs to Attic	Black Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose <1.0%	100%
TRP-064	69255	Under Two Attic Stairs	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass <1.0% Cellulose <1.0%	100%
TRP-065	69256	Under Two Attic Stairs	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-066	69257	Attic Stairs	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-067	69258	Attic Stairs	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROF-068	69259	Front Porch Wall	Black Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROF-069	69260	Front Porch Wall	Black Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 9/19/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 9/27/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10167-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WLB-070	69261	Under Siding	Gray Wall Board	None Detected	0%		Not Required	N/A	Cellulose 3%	97%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 9/19/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 9/27/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Carl Colombo / Chuck Fox
Phone Number: 428 6922	Fax Number:
Client Mailing Address: City Hall 28B 30 Church St Rochester N.Y. 14614	Results To: Colombo C@CityofRochester.gov. Foxc@
Date Sampled: 9-11-12	Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
Project Location: 65 Council St. Rochester NY	Material Type/Quantity: Friable 2 NOB 8 TEM

OFFICE USE ONLY

Job #: 10167-12

Page 3 of 3

Date Logged In: 9/14/12

Logged In By: KS

7 of 8 COC

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	WLB-061	69252 A. B.	wall stairs up to Attic	Grey		FRI
2	FT-062	253	Stairs to attic	Black		NOB
3	FT-063	254	Stairs to Attic	Black		NOB
4	TRP-064	255	under foo Attic stairs	Black		NOB
5	TRP-065	256	under foo attic Stairs	Black		NOB
6	SVL-066	257	Attic stairs	Tan		NOB
tem 7	SVL-067	258	Attic Stairs	Tan		NOB
8	ROF-068	259	Front Porch wall	Black		NOB
9	ROF-069	260	Front Porch wall	Black		NOB
#	WLB-070	261	under siding	Grey		FRI

Sampled By: Russ Gandy	Date: 9-13-12
Transported to Paradigm By: R. L.	Date: 9-13-12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 9/11/2012

Job No: 10168-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
TRP-071	69262	Front Porch Under Wall Board	Black Tar Paper	None Detected	0%		Not Required	N/A	Cellulose 90%	10%
DWL-072	69263	Front Porch Under Siding	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
TRP-073	69264	Front Porch Under Wall Board	Black Tar Paper	None Detected	0%		Not Required	N/A	Cellulose 90%	10%
RTR-074	69265	Upper Roof at House Connection	Black Fibrous Roofing Cement/Tar	Chrysotile 15%	15%	√	Not Required	N/A	None Detected	85%
RTR-075	69266	Upper Roof at House Connection	Black Fibrous Roofing Cement/Tar	Chrysotile 12%	12%	√	Not Required	N/A	None Detected	88%
ROF-076	69267	Roof, Base Layer	Black Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Vermiculite 2%	98%
ROF-077	69268	Roof, 2nd Layer	Black/Green Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROF-078	69269	Roof, Top Layer	White/Black Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WLB-079	69270	Under Upper Siding	Gray Wall Board	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
INS-080	69271	Throughout Walls Under Siding	Gray Fibrous Insulation	None Detected	0%		Not Required	N/A	Cellulose 90%	10%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/19-20/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 9/27/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

179 Lake Avenue, Rochester, NY 14608 Office: 585-647-2530 Fax: 585-647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Curt Colombo / Chuck Fox	OFFICE USE ONLY
Phone Number: 428 6922	Fax Number:	Job #: 10168-12
Client Mailing Address: City Hall 28B	Results To Colombo C@CityofRochester.gov. Foxc@...	Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
30 Church St	Date Sampled: 9-11-12	Material Type/Quantity: Friable 3 NOB 7 TEM
Rochester NY 14614	Project Location: 65 Council St. Rochester NY	Page 2 of 2 (8 of 8 COC)
		Date Logged In: 9/14/12
		Logged In By: KS

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	TRP-071	69262	Front Porch under WLB	Black		NOB
2	DWL-072	263	Front Porch under Siding	Grey		FRI
3	TRP-073	264	Fr. Porch under WLB	Black		NOB
4	RTR-074	265	upper Roof at house connection	Bl.		NOB
5	RTR-075	266	upper Roof " connection	Bl.		NOB
6	RoF-076	267	Roof - BASE Layer	Bl		NOB
7	RoF-077	268	Roof - 2nd Layer	Bl/Green		NOB
8	RoF-078	269	Roof Top Layer	Bl-white		NOB
9	WLB-079	270	under upper siding	Grey		FRI
#	TWS-080	271	Throughout walls - under siding	TAN		FRI

Sampled By: Russ Landry	Date: 9-13-12
Transported to Paradigm By: R. L.	Date: 9-13-12
Received By: KS	Date: 9/14/12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓
or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: ☐

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 65 Council Street
Rochester, New York
Sample Date: 11/27/2012

Job No: 13133-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WIG-081	87509	East Side Window Case	Gray Window Glaze	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/4/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 12/10/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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179 Lake Avenue, Rochester, NY 14608 Office: 585-647-2530 Fax: 585-647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Curt Colombo/Chuck Fox
Phone Number: 585-428 6922	Fax Number:
Client Mailing Address: City Hall 28B 30 Church St Rochester N.Y. 14614	Results To: ColomboC@cityofRochester.gov FoxC@ "
	Turn Around Time: 1 ☐ 2 ☐ 3 ☐ 5 ☒ Other ☐
	Date Sampled: 11-27-12
	Material Type/Quantity: Friable ___ NOB 1 TEM ___
	Project Location: 65 Council St. Rochester N.Y.

OFFICE USE ONLY
FE 143 ~~37~~ 13133-12
CAS
Job #: 10168 - 2
Page 2 of 2
Date Logged In: 12/3
Logged In By: CAS

	Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	WIG-081	87509	East side window case	Grey		NOB
2						
3						
4						
5						
6						
7						
8						
9						
#						

Sampled By: L. Landry	Date: 11.27.12
Transported to Paradigm By: R.L	Date: 11.27.12
Received By: CAS	Date: 12-3-12

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1,198.4 and 198.6) unless other methods are requested.

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS ✓
or provide TEM contact name:

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 21

Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative – Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 46232

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

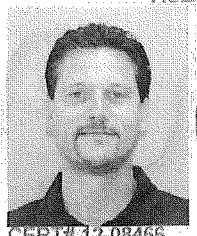
2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology

STATE OF NEW YORK - DEPARTMENT OF LABOR

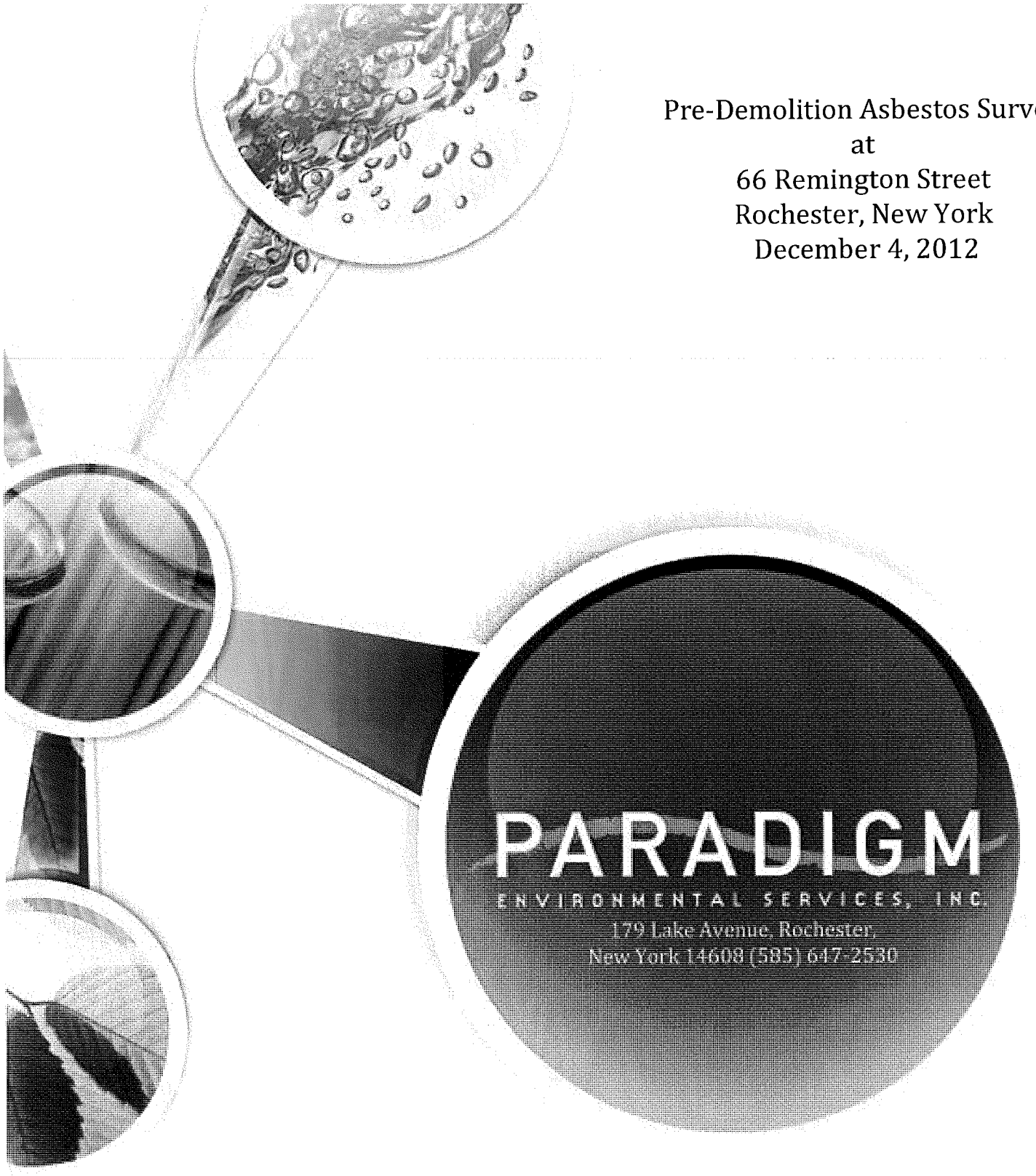
ASBESTOS CERTIFICATE



RUSSELL LANDRY
CLASS(EXPIRES)
D INSP(06/13)

CERT# 12-08466
DMV# 489873144

MUST BE CARRIED ON ASBESTOS PROJECTS



Pre-Demolition Asbestos Survey
at
66 Remington Street
Rochester, New York
December 4, 2012

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-1101

66 REMINGTON STREET
ROCHESTER, NEW YORK

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** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-1101

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **December 4, 2012** to conduct an inspection for the detection of asbestos containing materials located at **66 Remington Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Anthony Hill (AH#06-02018) and Joshua Scheuermann (AH#10-00221) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **66 Remington Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **66 Remington Street, Rochester, New York** on **December 4, 2012**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	*Sample #'s taken in Room*	*Positive Sample ID #*	*Positive Material Description*	*Location of Material*	*Condition*	*Friable Non-Friable NOB*	*Type of Material*	*SQ FT*	*Lin FT*	*Units*

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
66 Remington Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
WPL-007	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-008	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-011	White Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-012	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
DWL-013	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-014	White Spackle	None Detected	Not Required	Non-Friable
SCT-018	Tan 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SCT-019	Tan 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SPK-020	White Spackle	Chrysotile 4.4%	Not Required	Non-Friable
WPL-021	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-022	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-031	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-032	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-033	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-034	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-035	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-036	Gray Wall Plaster	None Detected	Not Required	Non-Friable
DWL-037	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-038	White Spackle	None Detected	Not Required	Non-Friable
Flooring Materials				
SVL-009	White Sheet Vinyl and Backing	Chrysotile 27%	Not Required	Friable
SVM-010	Light Tan Sheet Vinyl Mastic	Chrysotile 6.5%	Not Required	NOB
SVL-023	Yellow Sheet Vinyl and Backing	Chrysotile 26%	Not Required	Friable
SVL-024	White Sheet Vinyl and Backing	Chrysotile 30%	Not Required	Friable
SVM-025	Light Tan Sheet Vinyl Mastic	Chrysotile 13%	Not Required	NOB
SVL-026	Yellow Sheet Vinyl and Backing	Chrysotile 25%	Not Required	Friable
SVL-027	Light Brown Sheet Vinyl and Backing	Chrysotile 28%	Not Required	Friable
SVL-028	Multi-Colored Sheet Vinyl and Backing	Chrysotile 31%	Not Required	Friable
SVL-029	Light Brown Sheet Vinyl and Backing	Chrysotile 26%	Not Required	Friable
SVL-030	Multi-Colored Sheet Vinyl and Backing	Chrysotile 28%	Not Required	Friable
Thermal Systems Insulation				
DIT-001	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
DIT-002	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
DIT-003	Gray Duct Insulation Tape	Chrysotile 67%	Not Required	Friable
FLP-004	Gray Flue Patch	None Detected	Not Required	Friable
FLP-005	Gray Flue Patch	None Detected	Not Required	Friable
FLP-006	Gray Flue Patch	None Detected	Not Required	Friable
DUI-015	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
DUI-016	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
DUI-017	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
Window Caulk and Glaze				
WIG-045	Tan Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
WIG-046	Tan Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
Roofing Materials				
ROS-039	Green Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-040	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-1101

MATERIALS TESTED
66 Remington Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
RTR-041	Black Roofing Cement/Tar	Chrysotile 5.3%	Not Required	NOB
ROS-042	Green Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-043	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
RTR-044	Black Roofing Cement/Tar	Chrysotile 5.5%	Not Required	NOB
ROS-047	Gray Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
PAP-048	Black Paper	None Detected	Not Required	Friable
ROS-049	Gray Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
PAP-050	Black Paper	None Detected	Not Required	Friable

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
66 Remington Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	001-010	DIT-001, 002, 003	Gray Duct Insulation Tape	On Ductwork	Fair	Friable	TSI		120	
		SVL-009	White Sheet Vinyl and Backing	Stairwell Landing and Back Stairs	Fair	Friable	Misc	20		
		SVM-010	Light Tan Sheet Vinyl Mastic	Stairwell Landing and Back Stairs	Fair	NOB	Misc	20		
First Floor										
1 96 square feet	011-014	SPK-020	White Spackle	One Wall	Good	Non-Friable	Misc	120		
2 Porch	None	None	No Asbestos Detected					0	0	0
3 Living Room 225 square feet	015-018	DUI-015, 016, 017	Gray Duct Insulation	Duct in Closet	Fair	Friable	TSI		45	
4 Dining Room 168 square feet	019, 020	SPK-020	White Spackle	One Wall Patch	Good	Non-Friable	Misc	24		
5 100 square feet	021, 022	SPK-020	White Spackle	One Wall Patch and Ceiling	Good	Non-Friable	Misc	160		
6 168 square feet	023-026	SVL-023, 026	Yellow Sheet Vinyl and Backing	Floor - 3rd Layer	Good	Friable	Misc	168		
		SVL-024	White Sheet Vinyl and Backing	Floor - 4th Layer	Good	Friable	Misc	168		
		SVM-025	Light Tan Sheet Mastic	Floor - 4th Layer	Good	NOB	Misc	168		
7 Bathroom 50 square feet	027-032	SVL-027, 029	Light Brown Sheet Vinyl and Backing	Floor - 1st Layer	Good	Friable	Misc	25		
		SVL-028, 030	Multi-Colored Sheet Vinyl and Backing	Floor - 2nd Layer	Good	Friable	Misc	50		
		SVL-024	White Sheet Vinyl and Backing	Floor - 3rd Layer	Good	Friable	Misc	50		
		SVM-025	Light Tan Sheet Mastic	Floor - 3rd Layer	Good	NOB	Misc	50		
Second Floor										
8 180 square feet	None	None	No Asbestos Detected					0	0	0
9 100 square feet	033-036	DUI-015	Gray Duct Insulation	In Wall at Vent	Fair	Friable	TSI		4	
10 120 square feet	037, 038	SPK-020	White Spackle	Walls and Ceiling	Fair	Non-Friable	Misc	324		
Exterior										
Exterior	039-050	RTR-041, 044	Black Roofing Cement/Tar	Front and Rear Porch Seams and Chimney	Good	NOB	Misc		55	
								1347	224	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.

U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-1101

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
66 Remington Street
Rochester, New York

*** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.*

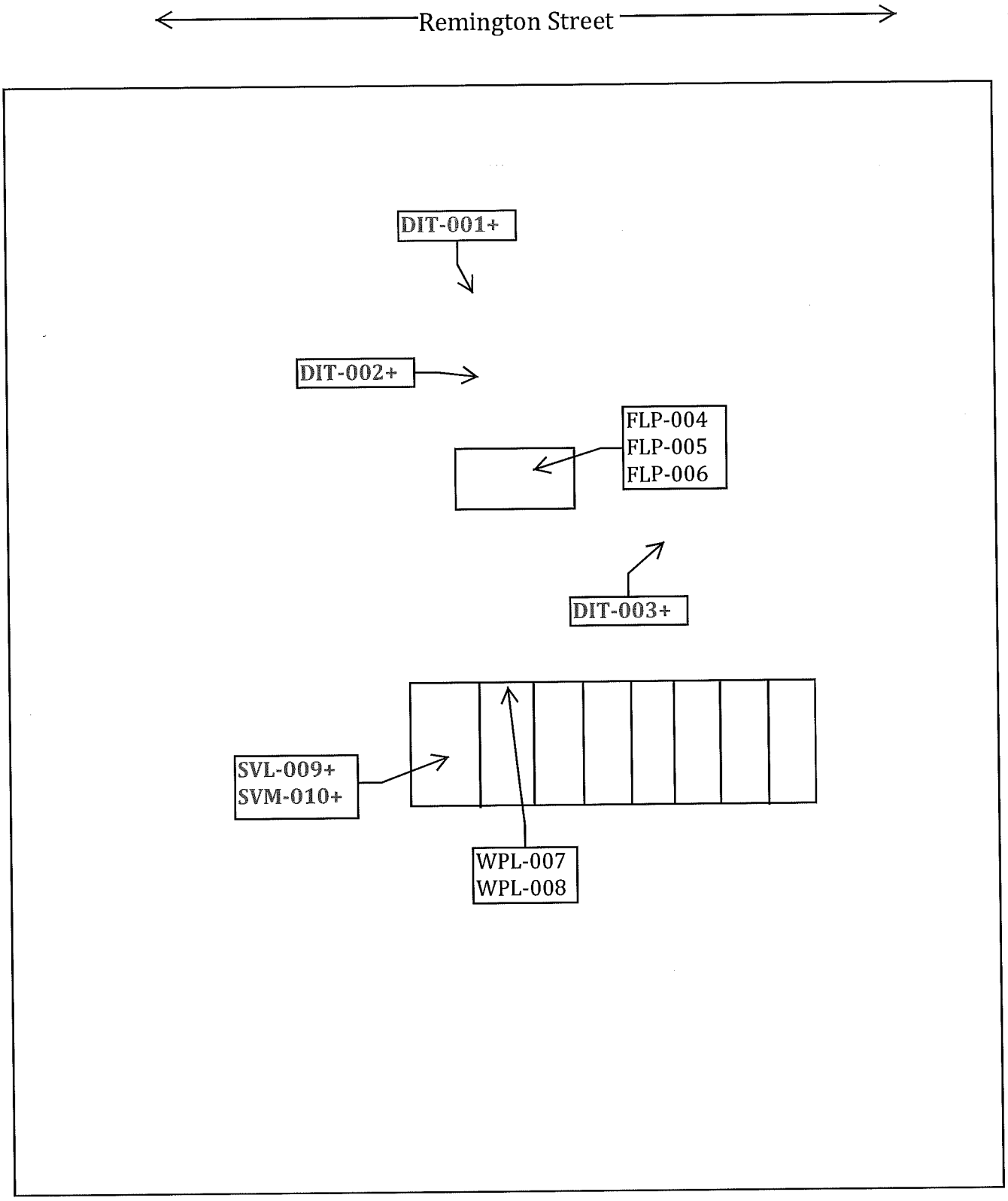
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

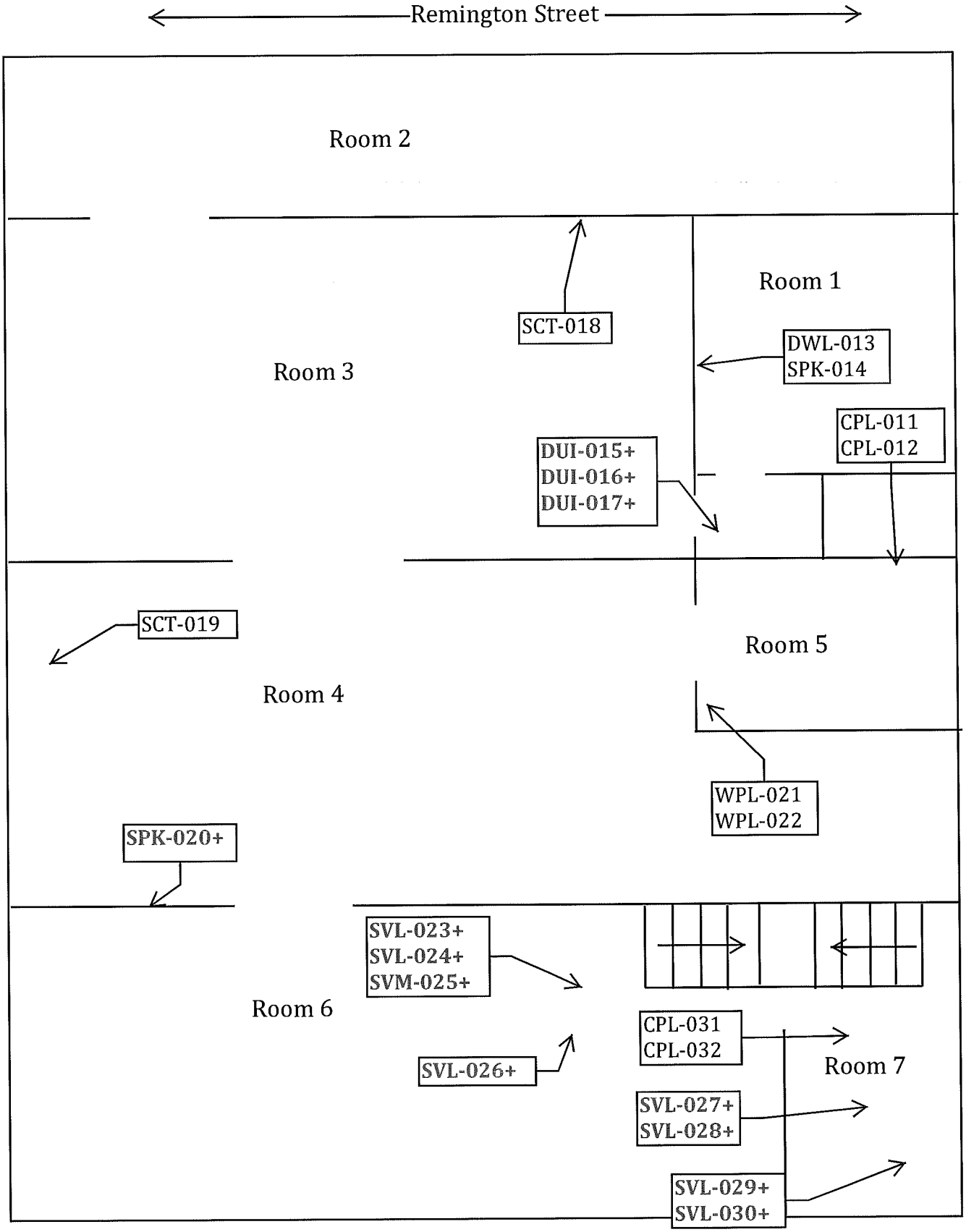
Paradigm certifies that this report regarding 66 Remington Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on December 4, 2012.

Anthony Hill
Envoy Environmental Consultants, Inc.
Inspector # AH 06-02018

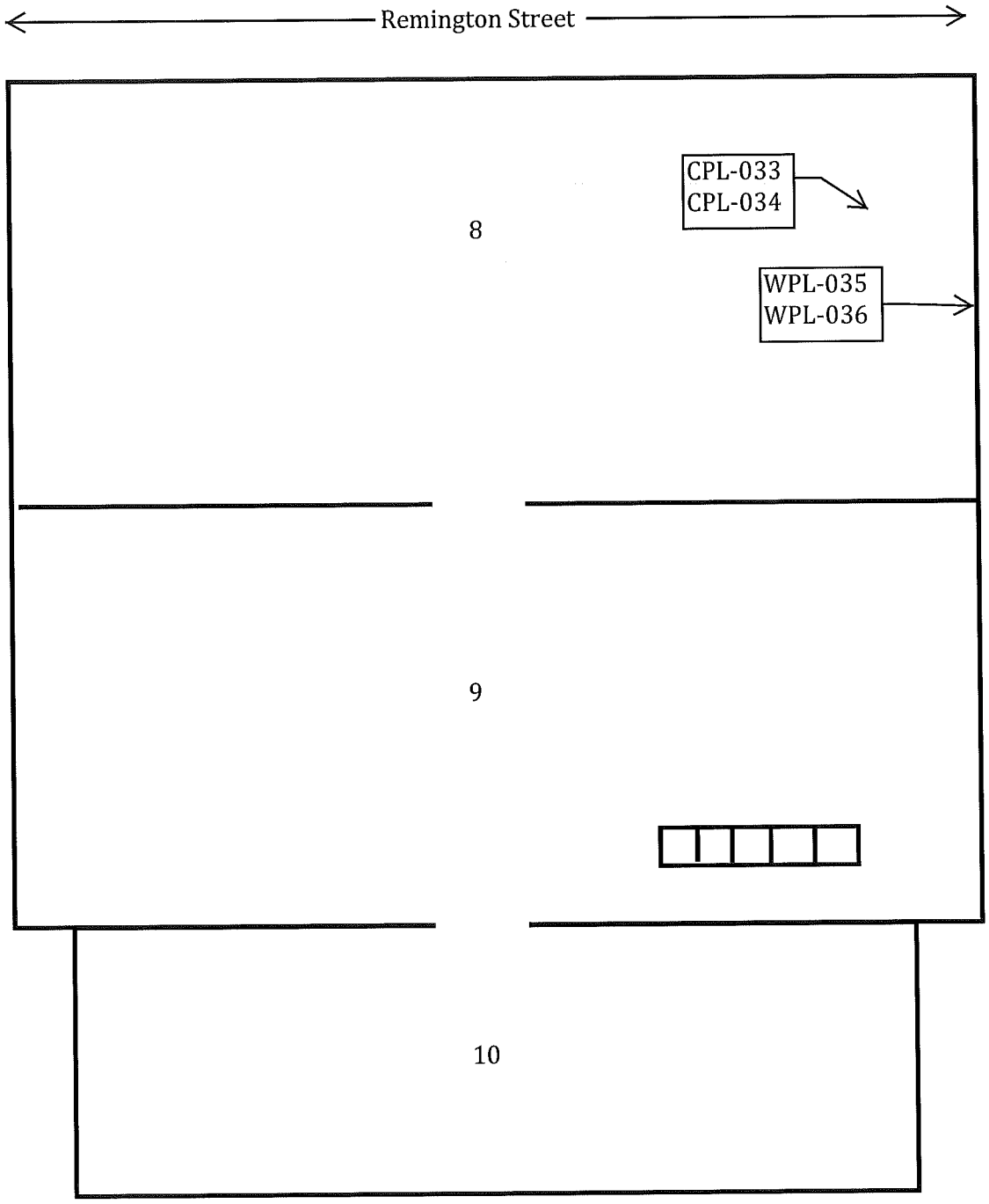
CLIENT: City of Rochester
LOCATION: 66 Remington Street
AREA: Basement
DATE: December 4, 2012
JOB NUMBER: 12-1101



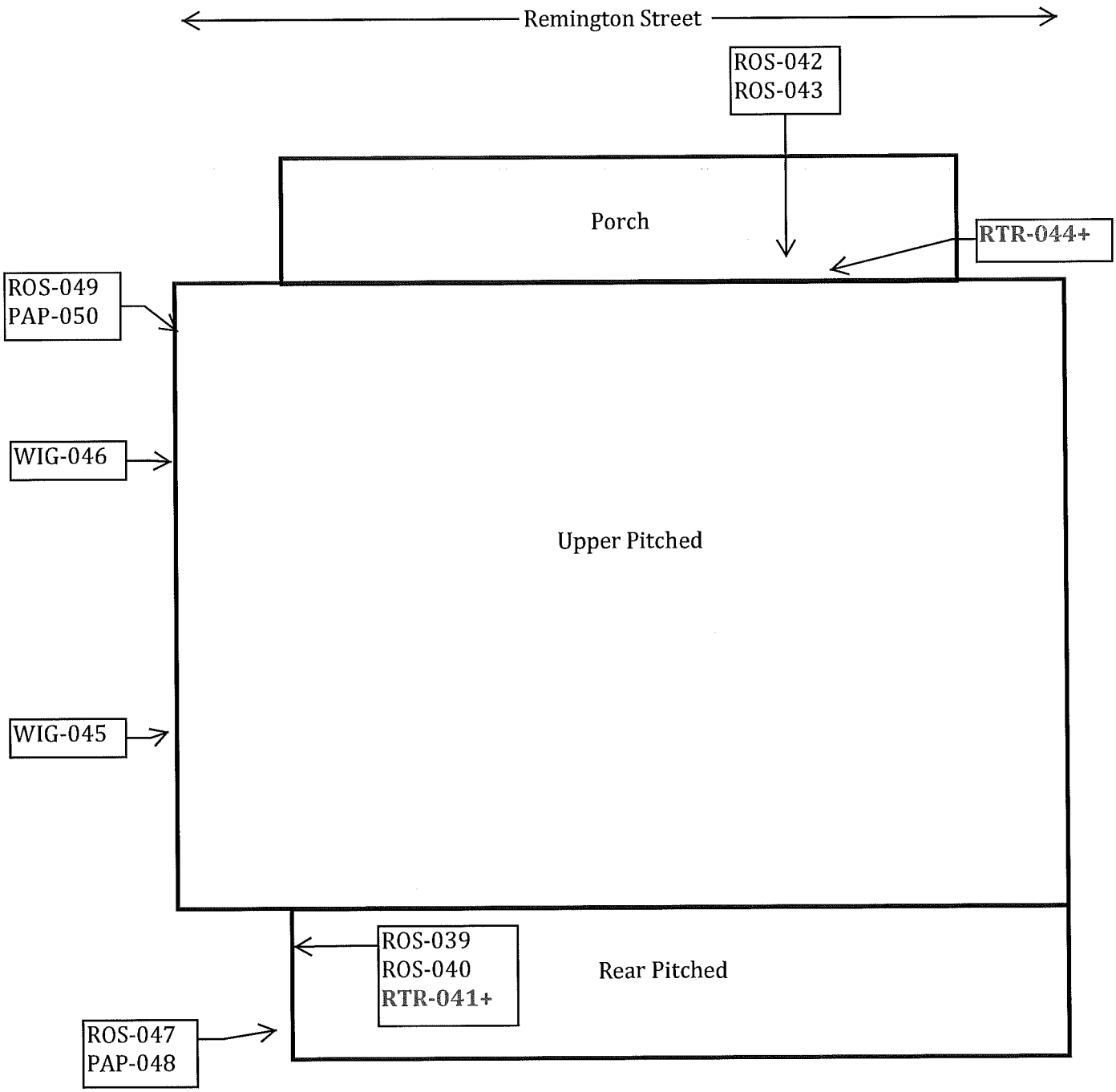
CLIENT: City of Rochester
LOCATION: 66 Remington Street
AREA: First Floor
DATE: December 4, 2012
JOB NUMBER: 12-1101



CLIENT: City of Rochester
LOCATION: 66 Remington Street, Rochester, New York
AREA: Second Floor
DATE: December 4, 2012
JOB NUMBER: 12-1101



CLIENT: City of Rochester
LOCATION: 66 Remington Street, Rochester, New York
AREA: Exterior
DATE: December 4, 2012
JOB NUMBER: 12-1101



PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 66 Remington Street
Rochester, New York
Sample Date: 12/4/2012

Job No: 13418-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DIT-001	89499	Basement on Duct Seam	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	Cellulose 10%	10%
DIT-002	89500	Basement on Duct Seam	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	Cellulose 10%	10%
DIT-003	89501	Basement on Duct Seam	Gray Fibrous Duct Insulation Tape	Chrysotile 67%	67%		Not Required	N/A	Cellulose 10%	23%
FLP-004	89502	On Chimney at Flue	Gray Flue Patch	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
FLP-005	89503	On Chimney at Flue	Gray Flue Patch	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
FLP-006	89504	On Chimney at Flue	Gray Flue Patch	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
WPL-007	89505	Basement Stairwell Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-008	89506	Basement Stairwell Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose <1.0% Animal Hair 2%	98%
SVL-009	89507	Basement Stairwell Floor	White Fibrous Sheet Vinyl and Backing	Chrysotile 27%	27%	#	Not Required	N/A	None Detected	73%
SVM-010	89508	Basement Stairwell Floor	Light Tan Sheet Vinyl Mastic	Chrysotile 6.5%	6.5%	√	Not Required	N/A	None Detected	93.5%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/7/2013
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester

Contact: Curt Columbo / Chuck Fox

Phone Number:

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [X]

Fax Number or email address: columboc@cityofrochester.gov foxc@cityofrochester.gov

Client Mailing Address: City Hall Room 698B, 80 Church St Rochester NY 14614

Results To: CALL Tech [X] Client [ ]

Date Sampled: 12-4-12

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Location:

Project Address: 66 Remington Rd. Rochester

Project Number: 12-1101

OFFICE USE ONLY

Job #: 13418-12

Page 2 of 2

Date Logged In: 12-10

Logged In By: CAS

1 of 5 CoC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT-001	89499	Basement on duct seam		GRY		DIT	F
2	DIT-002	500	"		"		"	"
3	DIT-003	501	"		"		"	"
4	FLP-004	502	on chimney @ flue		"		Flue Patch	NF
5	FLP-005	503	"		"		"	"
6	FLP-006	504	"		"		"	"
7	WPL-007	505	Basement stairwell wall		WH		Plaster	"
8	WPL-008	506	"		GRY		"	"
9	SVL-009	507	Basement stairwell floor		WH		SVL	"
10	SVM-010	508	"		Lt. tan		SVM	"

Sampled By: Anthony Hill Date: 12-4-12

Transported to Paradigm By: [signature] Date: 12-4-12

Received By: CAS Date: 12-10-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 66 Remington Street
Rochester, New York
Sample Date: 12/4/2012

Job No: 13419-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CPL-011	89509	Room 1 Closet Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-012	89510	Room 1 Closet Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
DWL-013	89511	Room 1 Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
SPK-014	89512	Room 1 Wall	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
DUI-015	89513	Room 3 Closet on Duct	Gray Fibrous Duct Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DUI-016	89514	Room 3 Closet on Duct	Gray Fibrous Duct Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DUI-017	89515	Room 3 Closet on Duct	Gray Fibrous Duct Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
SCT-018	89516	Room 3 Ceiling	Tan Fibrous 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 85%	15%
SCT-019	89517	Room 4 Ceiling	Tan Fibrous 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 85%	15%
SPK-020	89518	Room 4 Wall	White Spackle	Chrysotile 4.4%	4.4%		Not Required	N/A	None Detected	95.6%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/7/2013
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 1/11/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester

Contact: Curt Columbo / Chuck Fox

Phone Number:

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [X]

Fax Number or email address: columboc@cityofrochester.gov foxc@cityofrochester.gov

Client Mailing Address: City Hall Room 698B, 80 Church st Rochester NY 14614

Results To: CALL Tech [X] Client [ ]

Date Sampled: 12-4-12

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Location:

Project Address: 66 Remington ~~Rost~~ Rd. Rochester

Project Number: 12-1101

OFFICE USE ONLY

Job #: 13419-12

Page 2 of 2

Date Logged In: 12-10

Logged In By: CAS

2 of 5 CoC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CPL-011	89509	Room 1 closet ceiling		WH		Plaster	NF
2	CPL-012	510	"		GRY		"	"
3	DWL-013	511	Room 1 wall		GRY		DWL	"
4	SPK-014	512	"		WH		SPK	"
5	DUI-015	513	Room 3 closet on duct		GRY		DUI	F
6	DUI-016	514	"		"		"	"
7	DUI-017	515	"		"		"	"
8	SCT-018	516	Room 3 ceiling		TAN	1x1	SCT	"
9	SCT-019	517	Room 4 ceiling		"	"	"	"
10	SPK-080	518	Room 4 wall		WH		SPK	F

Sampled By: Anthony Hill Date: 12-4-12

Transported to Paradigm By: [signature] Date: 12-4-12

Received By: CAS Date: 12-10-12

CHECK ONE: SURVEY [X] BULKS ONLY [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 66 Remington Street

Job No: 13420-12

Sample Date: 12/4/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WPL-021	89519	Room 5 Wall	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-022	89520	Room 5 Wall	Gray Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
SVL-023	89521	Room 6 Floor L3	Yellow Fibrous Sheet Vinyl and Backing	Chrysotile 26%	26%	#	Not Required	N/A	None Detected	74%
SVL-024	89522	Room 6 Floor L4	White Fibrous Sheet Vinyl and Backing	Chrysotile 30%	30%	#	Not Required	N/A	None Detected	70%
SVM-025	89523	Room 6 Floor L4	Light Tan Fibrous Sheet Vinyl Mastic	Chrysotile 13%	13%	√	Not Required	N/A	None Detected	87%
SVL-026	89524	Room 6 Floor L3	Yellow Fibrous Sheet Vinyl and Backing	Chrysotile 25%	25%	#	Not Required	N/A	None Detected	75%
SVL-027	89525	Room 7 Floor L1	Light Brown Fibrous Sheet Vinyl and Backing	Chrysotile 28%	28%	#	Not Required	N/A	None Detected	72%
SVL-028	89526	Room 7 Floor L2	Multi Colored Fibrous Sheet Vinyl and Backing	Chrysotile 31%	31%	#	Not Required	N/A	None Detected	69%
SVL-029	89527	Room 7 Floor L1	Light Brown Fibrous Sheet Vinyl and Backing	Chrysotile 26%	26%	#	Not Required	N/A	None Detected	74%
SVL-030	89528	Room 7 Floor L2	Multi Colored Fibrous Sheet Vinyl and Backing	Chrysotile 28%	28%	#	Not Required	N/A	None Detected	72%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/7/2013
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester

Contact: Curt Columbo / Chuck Fox

Phone Number:

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [X]

Fax Number or email address: columboc@cityofrochester.gov foxc@cityofrochester.gov

Client Mailing Address: City Hall Room 698B, 80 Church st Rochester NY 14614

Results To: CALL Tech [X] Client [ ]

Date Sampled: 12-4-12

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Location:

Project Address: 660 Remington Rd. Rochester

Project Number: 12-1101

OFFICE USE ONLY

Job #: 13420-12

Page 2 of 2

Date Logged In: 12-10

Logged In By: CAS

3 of 5 CoC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WPL-021	89519	Room 5 wall		WH		Plaster	NF
2	WPL-022	520	"		GRY		"	"
3	SVL-023	521	Room 6 Floor L3		yell		SVL	"
4	SVL-024	522	" L4		WH		SVL	"
5	SVM-025	523	" L4		Lt. tan		SVM	"
6	SVL-026	EE 524	" L3		yell		SVL	"
7	SVL-027	CAS 525	Room 7 Floor L1		Lt. BRN		"	"
8	SVL-028	12/10 526	" L2		multi		"	"
9	SVL-029	527	" L1		Lt. BRN		"	"
10	SVL-030	528	" L2		Multi		"	"

Sampled By: Anthony Hill Date: 12-4-12

Transported to Paradigm By: [signature] Date: 12-4-12

Received By: CAS Date: 12-10-12

CHECK ONE: SURVEY [X] BULKS ONLY [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 66 Remington Street
Rochester, New York
Sample Date: 12/4/2012

Job No: 13421-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CPL-031	89529	Room 7 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-032	89530	Room 7 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
CPL-033	89531	Room 8 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-034	89532	Room 8 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
WPL-035	89533	Room 8 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-036	89534	Room 8 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
DWL-037	89535	Room 10 Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
SPK-038	89536	Room 10 Wall	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
ROS-039	89537	Rear Roof, L1	Green Fibrous Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 30%	70%
ROS-040	89538	Rear Roof, L2	Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 1/7/2013
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 1/11/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester

Contact: Curt Columbo / Chuck Fox

Phone Number:

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [X]

Fax Number or email address: columboc@cityofrochester.gov foxc@cityofrochester.gov

Client Mailing Address: City Hall Room 698B, 80 Church st Rochester NY 14614

Results To: CALL Tech [X] Client [ ]

Date Sampled: 12-4-12

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Location:

Project Address: 66 Remington Rd. Rochester

Project Number: 12-1101

OFFICE USE ONLY

Job #: 13421-12

Page 2 of 2

Date Logged In: 12-10

Logged In By: CAS

4 of 5 CoC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CPL-031	89529	Room 7 ceiling		WH		Plaster	NF
2	CPL-032	30	"		GRY		"	"
3	CPL-033	31	Room 8 ceiling		WH		"	"
4	CPL-034	32	"		GRY		"	"
5	WPL-035	33	Room 8 wall		WH		"	"
6	WPL-036	34	"		GRY		"	"
7	DWL-037	35	Room 10 wall		GRY		DWL	"
8	SPK-038	36	"		WH		SPK	"
9	ROS-039	37	Rear Roof L1		GRN		ROS	"
10	ROS-040	38	" L2		BLK		"	"

Sampled By: Anthony Hill Date: 12-4-12

Transported to Paradigm By: Ant Hill Date: 12-4-12

Received By: CAS Date: 12-10-12

CHECK ONE: SURVEY [X] BULKS ONLY [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 66 Remington Street

Job No: 13422-12

Sample Date: 12/4/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
RTR-041	89539	Rear Roof Seam	Black Roofing Cement/Tar	Chrysotile 5.3%	5.3%	√	Not Required	N/A	None Detected	94.7%
ROS-042	89540	Porch Roof L1	Green Fibrous Roof Shingle	Inconclusive. No Asbestos Detected.	0%	√	None Detected	<1.0%	Fiberglass 30%	70%
ROS-043	89541	Porch Roof L2	Black Roof Shingle	Inconclusive. No Asbestos Detected.	0%	√	None Detected	<1.0%	None Detected	100%
RTR-044	89542	Porch Roof Seam	Black Fibrous Roofing Cement/Tar	Chrysotile 5.5%	5.5%	√	None Detected	<1.0%	None Detected	94.5%
WIG-045	89543	Exterior Window on Glass	Tan Window Glaze	Inconclusive. No Asbestos Detected.	0%	#	None Detected	<1.0%	None Detected	100%
WIG-046	89544	Exterior Window on Glass	Tan Window Glaze	Inconclusive. No Asbestos Detected.	0%	#	None Detected	<1.0%	None Detected	100%
ROS-047	89545	Exterior Siding	Gray Fibrous Roof Shingle	Inconclusive. No Asbestos Detected.	0%	√	None Detected	<1.0%	Cellulose 15%	85%
PAP-048	89546	Exterior Under Wood Siding	Brown Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 95%	5.0%
ROS-049	89547	Exterior Siding	Gray Fibrous Roof Shingle	Inconclusive. No Asbestos Detected.	0%	√	None Detected	<1.0%	Cellulose 15%	85%
PAP-050	89548	Exterior Under Wood Siding	Brown Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 95%	5.0%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 1/7/2013
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 1/15/2013
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester

Contact: Curt Columbo / Chuck Fox

Phone Number:

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [X]

Fax Number or email address: columboc@cityofrochester.gov foxc@cityofrochester.gov

Client Mailing Address: City Hall Room 678B, 80 Church st Rochester NY 14614

Results To: CALL Tech [X] Client [ ]

Date Sampled: 12-4-12

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Location:

Project Address: 66 Remington Rd. Rochester

Project Number: 12-1101

OFFICE USE ONLY

Job #: 13422-12

Page 2 of 2 UE

Date Logged In: 12-10

Logged In By: CAS

5 of 5 CoC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	RTR-041	539	Rear Roof seam		BLK		RTR	NF
2	ROS-042	540	Porch Roof L1		GRN		ROS	"
3	ROS043	541	" L2		BLK		"	"
4	RTR-044	542	Porch Roof Seam		"		RTR	"
5	WIG-045	543	Exter window on glass		TAN		WIG	"
6	WIG-046	544	"		"		"	"
7	ROS-047	545	Exterior siding		GRY		ROS	"
8	PAP-048	546	Exterior underwood siding		BRN		PAP	F
9	ROS-049	547	Exterior siding		GRY		ROS	NF
10	PAP-050	548	Exterior underwood siding		BRN		PAP	F

Sampled By: Anthony Hill Date: 12-4-12

Transported to Paradigm By: Anthony Hill Date: 12-4-12

Received By: CAS Date: 12-10-12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative -- Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 46232

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates

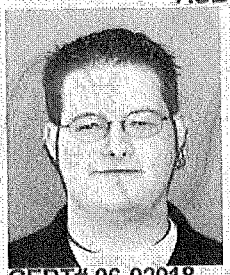
DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



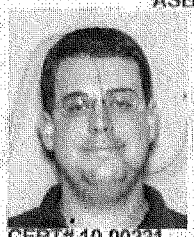
ANTHONY J HILL
CLASS(EXPIRES)
C ATEC(09/13) D INSP(09/13)
H PM (09/13)

DEPARTMENT OF LABOR

CERT# 06-02018
DMV# 688601121
MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



JOSHUA R SCHEUERMANN
CLASS(EXPIRES)
C ATEC(10/13) D INSP(10/13)
H PM (10/13)

DEPARTMENT OF LABOR

CERT# 10-00221
DMV# 356570242
MUST BE CARRIED ON ASBESTOS PROJECTS

FILE COPY

66 Sullivan Street

Dept. of Neighborhood & Business Development
Rochester, New York

Pre-Demolition
Asbestos Inspection

September 2012

Barton & Loguidice

66 Sullivan Street
Rochester, New York

Pre-Demolition Asbestos Inspection

September 2012

Prepared For:

City of Rochester
Department of Neighborhood and Business Development
City Hall, Room 005-A
30 Church Street
Rochester, New York 14614-1290

Prepared By:

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
11 Centre Park, Suite 203
Rochester, New York 14614

This document is printed on recycled paper

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Appendix B - Photos of Asbestos Containing Materials
Appendix C - Photos of Non-Asbestos Containing Materials
Appendix D - Asbestos Bulk Sample Analytical Results and Chain-of-Custody Records
Appendix E - Barton & Loguidice, P.C. Asbestos License and Certificates
Appendix F - Laboratory Certificates

Executive Summary

Barton & Loguidice, P.C. (B&L) was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct a pre-demolition asbestos inspection of 66 Sullivan Street in Rochester, New York. The purpose of the survey was to identify and quantify suspect asbestos-containing materials (ACMs) prior to the anticipated demolition of the structure. The inspection was conducted on September 14, 2012. This report represents the conditions of the property at the time of the survey.

Materials suspected of potentially containing asbestos were sampled by B&L's New York State Certified Asbestos Inspectors. These materials included plaster, sheetrock, blown-in insulation, window glaze, floor tiles, linoleum sheeting, baseboard molding, mastic materials, ceiling panels and tile, siding caulk, foundation paint, asphalt siding, sealant, vapor barrier, and roofing materials.

The following materials were determined to be ACM:

Material Code	Description	Quantity
VS03	Tan and Brown Square Pattern Sheeting	5 SF
EC01	Siding Caulk	16 SF

The following material was presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	130 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of ACM in the building.

Since the building is slated for demolition, all materials identified as ACM and PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

1.0 Introduction

B&L was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct an asbestos inspection of 66 Sullivan Street in Rochester, New York. The inspection was designed to determine the presence and quantity of ACM/PACM prior to demolition of the structure. B&L's inspection team consisted of New York State Department of Labor (NYSDOL) accredited inspectors Timothy Strzepek (Certificate No. 90-03209) and Michael Goff (Certificate No. 01-07588). B&L's license and each inspector's asbestos certificate are presented in Appendix E. The inspection was performed on September 14, 2012.

2.0 Building Description

The building located at 66 Sullivan Street is a two-story wood frame structure with a basement. The entire building encompassed approximately 2,800 square feet of area including the basement. Interior finishing materials consisted of plaster, sheetrock, floor tiles, linoleum sheeting, and ceiling panels and tile. The exterior consisted of asphalt siding over wood siding and wood. There was one old furnace trunk and one fuel oil tank located in the basement. This description represents the condition of the building at the time of the survey.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located throughout the building were not insulated. Some ducts located in the basement were insulated. These observations suggest that hidden pipes and hidden ducts above the basement are not insulated. However, we were unable to access all pipes. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

3.0 Scope of Work

The above referenced building was surveyed for the presence of thermal system insulation, surfacing materials, and miscellaneous materials suspected of containing asbestos. Both friable and non-friable materials were sampled.

The inspection was performed in accordance with the requirements of Part 56 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56, as amended and adopted March 21, 2007), Section 56-5.1, *Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling, and Repair*. Inspection procedures followed the requirements of the Environmental Protection Agency (EPA) found at 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools; Final Rule and Notice, *Asbestos Hazard Emergency Response Act* (AHERA).

When suspect ACM was encountered, the material was assessed, quantified, and either assumed to be ACM or sampled. The condition of the material was also noted on the survey form. The condition of the ACM and PACM materials is reported in Table 1. The sample location was noted in the field sketches. Sample locations are summarized in Table 2, Bulk Sampling Summary Form. Each sample was sent to a laboratory accredited by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) and the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) for analysis.

4.0 Field Survey Procedures

Survey procedures call for an accredited inspector to visually inspect, identify, and assess all homogeneous areas for friable and non-friable suspected asbestos-containing building materials (ACBM). Once all materials were assessed and information recorded, sampling was initiated. The sampling protocol for each homogeneous material was as follows:

4.1 Surfacing Materials

These materials include spray-applied or trowelled-on materials such as plaster, stucco, and fireproofing.

- Three (3) bulk samples were collected from each homogeneous material.

4.2 Thermal System Insulation (TSI)

TSI includes materials such as pipe, boiler, tank, and exhaust breaching insulation, and duct insulation.

- Materials identified as ACM from previous pre-demolition surveys such as aircell pipe and fittings, transite piping, and duct insulation were presumed to be ACM (PACM) and not sampled.
- One (1) sample from materials including patched TSI, which was not assumed to be ACM, if the patched section was less than 6 linear or square feet. Otherwise, three (3) samples were collected.

4.3 Miscellaneous Material

This category includes materials such as roofing and siding materials, ceiling tile, floor tile, vinyl sheeting, baseboard molding, and other miscellaneous materials.

- Two (2) samples were collected from each homogeneous ceiling tile or panel and each (NOB) non-friable material and three (3) samples collected for each friable miscellaneous material.

Bulk samples were not collected from any homogeneous material where the accredited inspector determined that the material was fiberglass, foam, glass, rubber, or other non-ACM.

5.0 Description of Sampling Method

Whenever samples were collected, non-assessment personnel were restricted from the area. The material to be sampled was misted with water to minimize fiber release. The material was penetrated with the appropriate sampling tool down to the structural member and a sample of approximately two (2) square centimeters extracted. The sample was placed in a clear plastic container, the container wiped with a damp cloth, sealed, and labeled with a unique sample identification number. The sample site was then sealed and labeled (where appropriate).

Sampling tools were cleaned with a damp cloth and the area wet wiped of any debris. Potentially contaminated rags, debris, suits, plastic, etc. were collected in plastic bags and returned to B&L's office for subsequent disposal. Respirators equipped with P-100 High Efficiency Particulate Air (HEPA) filters were worn by the inspectors during the sample collection and cleaning procedure for friable material at the inspector's discretion.

6.0 Analytical Methods

Bulk samples collected at the building were analyzed by AmeriSci New York (AmeriSci), 117 East 30th Street, New York, New York. AmeriSci is accredited by NIST under the National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis of bulk samples (Accreditation Number 200546-0). AmeriSci is also accredited by the New York State Department of Health under the Environmental Laboratory Approval Program (ELAP, Accreditation No. 11480).

Samples were analyzed by polarized light microscopy (PLM) in accordance with the NYSDOH *Polarized Light Microscopy Method for Identifying and Quantifying Asbestos in Bulk Samples* (ELAP Method 198.1). Samples were analyzed sequentially until positive for asbestos or until each sample in the set was analyzed. A material was classified as non-asbestos containing only if each sample in the set was determined to be less than one percent by weight (<1%).

Non-friable organically bound (NOB) materials, such as floor tiles, mastic and roofing materials, and ceiling tiles/panels containing cellulose that were found to be <1% by PLM, were also analyzed using the NYSDOH *Transmission Electron Microscopy (TEM) Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples* (ELAP Method 198.4). If TEM confirmed that the asbestos content was <1%, the material was considered non-asbestos containing.

7.0 Survey Results

The results of the on-site survey are summarized in Table 1 - "Homogeneous ACM/PACM Summary Form" found in section 8.0. Table 1 is a material-by-material listing of the location, condition, and quantity of ACM/PACM in the building.

Appendix A - "Survey Form and Floor Plans" is a room-by-room listing of the location of suspect materials in each functional area inspected. The survey form was completed in the field and incorporates the inspector's field observations. A description of each of the columns on the form and how they were completed can also be found in Appendix A.

Appendix B and Appendix C present photographs of ACM, PACM, and non-ACM, respectively.

Laboratory results and completed copies of the chain of custody records are presented in Appendix D - Asbestos Bulk Sample Analytical Results.

The following materials were determined to be ACM:

Material Code	Description	Quantity
VS03	Tan and Brown Square Pattern Sheeting	5 SF
EC01	Siding Caulk	16 SF

The following material was presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	130 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of the ACM in the building.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located throughout the building were not insulated. Some ducts located in the basement were insulated. These observations suggest that hidden pipes and hidden ducts above the basement are not insulated. However, we were unable to access all pipes. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

Since the building is slated for demolition, all materials identified as ACM/PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

8.0 Homogeneous ACM/PACM Summary Form

The quantities of the homogeneous ACM/PACM identified within the building are summarized on Table 1. The information is listed by homogeneous material code and presents the location, class, description, condition, and quantity of the ACM/PACM as it occurs. The total quantity of each ACM/PACM found in the building has been calculated and is presented at the end of the list. The information presented on the form is derived from information on the Survey Form (Appendix A), the sample results, and the floor plans.

Table 1
Homogeneous ACM/PACM Summary Form
City of Rochester
66 Sullivan Street
Rochester, NY

September 14, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
VS03	104	M	Tan and Brown Square Pattern Sheeting	VS03A,B	Poor **TOTAL**	5 **5 SF**	**Y**
DI01	002	T	Duct Insulation	**Not Sampled**	Poor **TOTAL**	130 **130 SF**	**PACM**
EC01	Exterior	M	Siding Caulk	EC01A,B	Poor **TOTAL**	16 **16 SF**	**Y**

9.0 Bulk Sampling Summary Form

This form presents a summary of the bulk sampling performed at the building. It lists the material code, material description, sample location, sample ID, and the analytical results. Results for PLM and TEM analyses are presented as appropriate.

Table 2
Bulk Sampling Summary Form
City of Rochester
66 Sullivan Street
Rochester, NY

September 14, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
VS03	Tan and Brown Square Pattern Sheeting	104	VS03A	**37.3% CH**	NA
	Tan and Brown Square Pattern Sheeting	104	VS03B	NA	NA
DI01	Duct Insulation	**Not Sampled**	**Not Sampled**	**PACM**	**PACM**
EC01	Siding Caulk	Exterior	EC01A	**6.4% CH**	NA
	Siding Caulk	Exterior	EC01B	NA	NA
TM01	Typical Plaster (Finish Coat)	101	TM01A	NAD	-
	Typical Plaster (Base Coat)	101	TM01A	NAD	-
	Typical Plaster (Finish Coat)	103	TM01B	NAD	-
	Typical Plaster (Base Coat)	103	TM01B	NAD	-
	Typical Plaster (Finish Coat)	106	TM01C	NAD	-
	Typical Plaster (Base Coat)	106	TM01C	NAD	-
TM02	Black Sealant	002	TM02A	NAD	NAD
	Black Sealant	002	TM02B	NAD	NAD
WB01	Typical Sheetrock	106	WB01A	NAD	-
	Typical Sheetrock	106	WB01B	NAD	-
	Typical Sheetrock	103	WB01C	NAD	-
SM01	Blown-in Insulation	Exterior	SM01A	NAD	-
	Blown-in Insulation	Exterior	SM01B	NAD	-
	Blown-in Insulation	Exterior	SM01C	NAD	-
WG01	Window Glaze	104	WG01A	NAD	NAD
	Window Glaze	002	WG01B	NAD	NAD
FT01	12"x12" Gray Mottled Floor Tile	100	FT01A	NAD	NAD
	12"x12" Gray Mottled Floor Tile	201	FT01B	NAD	NAD
FT02	12"x12" Black Mottled Floor Tile	100	FT02A	NAD	NAD
	12"x12" Black Mottled Floor Tile	100	FT02B	NAD	NAD
VS01	Beige and Brown Floral Sheeting	102	VS01A	NAD	NAD
	Beige and Brown Floral Sheeting	102	VS01B	NAD	NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
66 Sullivan Street
Rochester, NY

September 14, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
VS02	Beige Square Sheeting	105	VS02A	NAD	NAD
	Beige Square Sheeting	105	VS02B	NAD	NAD
BM01	Black Baseboard Molding	105	BM01A	NAD	NAD
	Black Baseboard Molding	105	BM01B	NAD	NAD
MM01	Beige Wall Tile Mastic	105	MM01A	NAD	NAD
	Beige Wall Tile Mastic	105	MM01B	NAD	NAD
CP01	2'x4' Random Hole Ceiling Panel	100	CP01A	NAD	NAD
	2'x4' Random Hole Ceiling Panel	100	CP01B	NAD	NAD
CP02	2'x4' Fissured Ceiling Panel	105	CP02A	NAD	NAD
	2'x4' Fissured Ceiling Panel	201	CP02B	NAD	NAD
CP03	2'x4' Smooth Ceiling Panel	201	CP03A	NAD	NAD
	2'x4' Smooth Ceiling Panel	201	CP03B	NAD	NAD
CT01	1'x1' Smooth Ceiling Tile	104	CT01A	NAD	NAD
	1'x1' Smooth Ceiling Tile	104	CT01B	NAD	NAD
DM01	White Duct Mastic	002	DM01A	NAD	NAD
	White Duct Mastic	002	DM01B	NAD	NAD
FP01	Black Foundation Paint	Exterior	FP01A	NAD	NAD
	Black Foundation Paint	Exterior	FP01B	<0.25% CH	Trace CH
AS01	Blue Asphalt Siding	Exterior	AS01A	NAD	NAD
	Blue Asphalt Siding	Exterior	AS01B	NAD	NAD
VB01	Red Vapor Barrier	Exterior	VB01A	NAD	-
	Red Vapor Barrier	Exterior	VB01B	NAD	-
	Red Vapor Barrier	Exterior	VB01C	NAD	-
RM01	Gray Roof Shingle	R100	RM01A	NAD	NAD
	Gray Roof Shingle	R100	RM01B	NAD	NAD
RM02	Black Rolled Roofing	R100	RM02A	NAD	NAD
	Black Rolled Roofing	R100	RM02B	NAD	NAD
RM03	Black Tar Paper	R100	RM03A	NAD	NAD
	Black Tar Paper	R100	RM03B	NAD	NAD
RM04	Gray Roof Cement	R100	RM04A	NAD	NAD
	Gray Roof Cement	R100	RM04B	NAD	NAD

< = Less Than % = Percent
PLM = Polarized Light Microscopy
TEM = Transmission Electron Microscopy
NAD = No Asbestos Detected
NA = Not Analyzed
Trace = Indicates <1% asbestos by weight

CH = Chrysotile Asbestos
AM = Amosite Asbestos
CR = Crocidolite Asbestos
AN = Anthophyllite Asbestos
TR = Tremolite Asbestos
AC = Actinolite Asbestos

Appendix A

Survey Forms and Floor Plans

Space ID

The floor and space numbers together make up the space identification. The first room on the first level of a building would be designated as **100.**

Space Description

This describes, in common terms, the use of the functional space, such as closet, office, or boiler room.

Material Code

The Material Code is a system by which materials are identified using a simple shorthand code. Codes for common building materials are listed in the following table:

Thermal System Insulation (TSI)	**Miscellaneous Material (M)**	
(PJ) Pipe Joint	(AS) Asphalt Siding	(MA or MM) Mastic Materials
(PI) Pipe Insulation	(BM) Baseboard Molding	(RM) Roofing Material
(BI) Boiler Insulation	(CP) Ceiling Panel (2'x2'/2'x4')	(ST) Stair Tread
(DI) Duct Insulation	(CT) Ceiling Tile (1'x1'/1.5'x1.5')	(TB) Transite Board
(TI) Tank Insulation	(DC) Door Caulk	(TP) Transite Pipe or Panel
(RB) Radiator Backing Material	(DI) Door Insulation	(TS) Transite Siding
(BR) Breaching Insulation	(EC) Exterior/Electrical Caulk	(TZ) Terrazzo
	(FT) Floor Tile	(VS) Vinyl Sheeting (linoleum)
Surfacing Material (S)	(GA) Gaskets	(WB) Wallboard
	(HV) HVAC Fabric	(WC) Window Caulk
(SM) Sprayed-on Material	(JC) Joint Compound	(WG) Window Glaze
(TM) Trowelled-on Material	(LI) Light Fixture Insulation	(WI) Wire Insulation
	(LT) Laboratory Table	
* Other designations may be created as needed in the field as long as they are defined in the report.		

The material code further divides similar materials into different homogeneous materials. Each time a new material is encountered where the material codes have

already occurred, it is assigned the next consecutive item number (i.e., FT01, FT02, FT03...for different types of floor tiles).

Material Description

Spaces may have several different homogeneous materials and, therefore, Material Codes. The description column provides, in common terms, a description of the material considering such factors as size, application, and color. This will aid in distinguishing between different homogeneous materials in the same functional area. If no suspect material was noted in a functional area, "NSM" or "No suspect material" will appear under this column.

ACM Determination (ACM?)

This column is completed by inserting Presumed Asbestos Containing Material (PACM), No (N), or Yes (Y). Based upon sampling results from previous pre-demolition surveys, a material may be presumed to be ACM and, therefore, requires no sampling and analysis. The yes and no designations are filled in after receipt of laboratory analysis.

Friability (Friable)

Friability refers to the ability to crush or pulverize the material. A Y or N is inserted in this column.

Material Class

This refers to one of three designations.

- Thermal system insulation (T) is any insulation applied to heating or mechanical system components (such as boiler cement, pipe lagging duct insulation).

- Surfacing material (S) refers to a wide range of products applied to building surfaces, including but not limited to trowelled-on or sprayed-on fireproofing, decorative, and acoustical plaster.
- Miscellaneous material (M) is any material not included in the first two categories. Examples include ceiling tiles, transite, roofing and siding materials, vinyl asbestos floor tiles, and floor sheeting.

Quantity

The inspector entered the approximate quantity of each material into the column labeled Quantity. Quantities are indicated as square feet (SF), linear feet (LF), or each (EA).

Condition

Indicates the current condition of the suspect material as good (G), fair (F) ("damaged" as defined in AHERA), or poor (P) ("significantly damaged").

Comments

A Comments Section includes notes on the space assessed.

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 66 Sullivan Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 1 **of** 6
Floor: 1ST
Date: 9/14/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
101	Dining Rm	TM01	Ceiling & Wall Plaster		Y	S		P	
		SM01	Brown-tan Insulation		↓	↓			
		FT01	12"x12" Gray Mottled Floor Tile		N	M	120SF		FT01 + FT02 (Approx. 1/2 of Floor ea. material) > Wood Floor
		FT02	12"x12" Black Mottled Floor Tile		↓		120SF		
		CT01	2'x4' Random Tile Ceiling Panel		Y	L	152SF		Some Panels Missing
101	Living Rm	TM01	Ceiling & Wall Plaster		↓	S			Wood Floor
102	Bedroom	CT01	1'x1' Smooth Ceiling Tile		Y	M	75SF		
		TM01	Ceiling Wall Plaster		↓	S			
		VS01	Beige & Brown Floral Sheeting		N	M	75SF		VS01 > Wood
102a	Closet	VS01	Beige & Brown Floral Sheeting		N	↓	25SF		VS01 > Wood
		TM01	Ceiling Wall Plaster		Y	S			
		WG01	Wire Glass		N	M	1SF	↓	West

1. ACM?	2. MATERIAL CLASS	3. QUANTITY	4. CONDTION
Y = Yes (>1%) P = PACM (Presumed Asbestos Containing material)	T = Thermal System Insulation S = Surfacing Material M = Miscellaneous Material	SF = Square Feet LF = Linear Feet FTG = Fittings EA = Each	G = Good F = Fair P = Poor

CT01 1'x1' Smooth Ceiling Tile Y M 75SF P

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 66 Sullivan Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Floor: 1st

Date: 9/14/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
103	Bedroom	TM01	Ceiling & Wall Plaster		Y	S		P	
		WB01	Ceiling Sheetrock		↓	M			
		FT01	12"x12" Gray Mottled Floor Tile		N	↓	150SF		FT01 > wood
104	Kitchen	TM01	Ceiling & Wall Plaster		Y	S			
		CT01	1"x1" Smooth Ceiling Tile		↓	M	180SF		
		W601	Window Glaze		N		2SF		
		VS02	Beige Square Suspended				5SF		East Side Edge of ceiling
		VS03	Tan & Brown Square Patterned Suspended	X	↓	↓	5SF		East Side Edge of ceiling from Register South
105	Bathroom	TM01	Ceiling & Wall Plaster		Y	S			
		CT01	1"x1" Smooth Ceiling Tile		↓	M			
		VS02	Beige Square Suspending		N		5SF		
		FT01	12"x12" Gray Mottled Floor Tile		↓	↓	30SF		

1. ACM?	2. MATERIAL CLASS	3. QUANTITY	4. CONDTION	
Y = Yes (>1%)	T = Thermal System Insulation	SF = Square Feet	G = Good	28 SF
P = PACM (Presumed Asbestos Containing material)	S = Surfacing Material	LF = Linear Feet	F = Fair	
	M = Miscellaneous Material	FTG = Fittings	P = Poor	
		EA = Each		

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 66 Sullivan Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 3 **of** 6
Floor: 1st/2nd
Date: 9/14/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
105	Bathroom	FT02	12"x12" Black Mottled Floor Tile		N	M	27SF	P	VSOD > FT01 + FT02 > WOOD
		BM01	Black Baseboard Molding		↓	↓	8SF		
		MM01	Beige Wall Tile Mastic		N	M			Under wall tile 3' High – somewhere
		CP02	2'x4' Fissured Ceiling Panel		Y	↓	4SF		
106	Storage/ Stairs	TM01	Wall Plaster		↓	S			
		WB01	Ceiling Sheetrock		↓	M			
		FT01	12"x12" Gray Mottled Floor Tile		N	↓	15SF		Closet
		FT02	12"x12" Black Mottled Floor Tile		↓	↓	55SF		Office
200	Stairs	TM01	Wall Plaster		Y	S			Wood Stairs
201	Hallway	FT01	12"x12" Gray Mottled Floor Tile		N	M	200SF		Wood Panelling – Floor
202	~~Bedroom~~ Bathroom	FT01	12"x12" Gray Mottled Floor Tile		↓	↓	48SF		Closet
201	Hallway	CP02	2'x4' Fissured Ceiling Panel		Y	↓	105SF	↓	Scattered
		CP03	2'x4' Smooth Ceiling Panel		Y	M	40SF		Scattered

1. ACM?	2. MATERIAL CLASS	3. QUANTITY	4. CONDTION
Y = Yes (>1%)	T = Thermal System Insulation	SF = Square Feet	G = Good
P = PACM (Presumed Asbestos Containing material)	S = Surfacing Material	LF = Linear Feet	F = Fair
	M = Miscellaneous Material	FTG = Fittings	P = Poor
		EA = Each	

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 66 Sullivan Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-03588
Signature:

Inspector/Cert. No.:
Signature:

Page 4 **of** 6
Floor: 2ND
Date: 9/14/02

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
203	Bedroom	FT01	12"x12" Gray Mottled Floor Tile		N	M	120SF	P	Carpet 7 FT01
		CP02	2x4' Fissured Ceiling Panel		Y		125F		
		CP03	2x4' Smooth Ceiling Panel		Y		125F		
204	Bedroom	FT01	12"x12" Gray Mottled Floor Tile		N	M	90SF		
206	Bedroom	FT01	12"x12" Gray Mottled Floor Tile		Y		170SF		
		CP02	2x4' Fissured Ceiling Panel		Y		155SF		
205	Attic Space	CP02	2x4' Fissured Ceiling Panel		Y	M	10SF		
206a	Attic Space	—	No Suspect Materials						

1. ACM?	2. MATERIAL CLASS	3. QUANTITY	4. CONDTION
Y = Yes (>1%)	T = Thermal System Insulation	SF = Square Feet	G = Good
P = PACM (Presumed Asbestos Containing material)	S = Surfacing Material	LF = Linear Feet	F = Fair
	M = Miscellaneous Material	FTG = Fittings	P = Poor
		EA = Each	

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 66 Sullivan Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 5 of 6

Floor: Bsmt/Ext.

Date: 9/14/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
001	Basement Stairs	TM01	Wall and Ceiling Plaster		Y	S		P	old furnace trunk + ducts fuel oil tank
002	Basement	WG01	Window Glaze		N	M	55F	P	3East, 2West
		DM01	White Duct Mastic		N	M		P	painted on seams + over DI01
		DI01	Duct Insulation	PACM	Y	T	130 SF	P	seams of round + square ducts under DM01
		TM02	Black Sealant		Y	S		P	concrete > TM02 > stone
EXT	Exterior	AS01	Blue Asphalt Siding		N	M		P	AS01 > wood siding > wood
		SM01	Blown-In Insulation		Y	M		P	
		EC01	Siding Caulk	Y	N	M	16SF	↓	around windows, etc.
		VB01	Red Vapor Barrier		Y	M		↓	front side of house only wood siding > VB01 > wood
		FP01	Black Foundation Paint		N	M		↓	
R100	Main Roof	RM01	Gray Roof Shingle		N	M		P	RM01 > RM02 > plywood
		RM02	Black Rolled Roofing		↓	↓		↓	

1. ACM?
Y = Yes (>1%)
P = PACM (Presumed Asbestos Containing material)

2. MATERIAL CLASS
T = Thermal System Insulation
S = Surfacing Material
M = Miscellaneous Material

3. QUANTITY
SF = Square Feet
LF = Linear Feet
FTG = Fittings
EA = Each

4. CONDTION
G = Good
F = Fair
P = Poor

SURVEY FORM

Project No.: 981.004

Client: City of Rochester
City Hall – Room 005A
30 Church Street
Rochester, New York 14614

Property Name: 66 Sullivan Street

Inspector/Cert. No.: Tim Strzepek/90-03209
Signature:

Inspector/Cert. No.: Michael Goff/01-07588
Signature:

Inspector/Cert. No.:
Signature:

Page 6 of 6

Floor: Roof

Date: 9/14/12

Space ID	Space Description	Material Code	Material Description	ACM?[1]	Friable (Y/N)	Class[2]	Quantity[3]	Condition[4]	Comments
R100	Main Roof	RM03	Black Tar Paper		N	M		P	underneath RM01/RM02 near porch and valleys
		RM04	Gray Roof Cement		↓	↓		↓	chimney, vent, porch overhang

1. ACM?
Y = Yes (>1%)
P = PACM (Presumed Asbestos Containing material)

2. MATERIAL CLASS
T = Thermal System Insulation
S = Surfacing Material
M = Miscellaneous Material

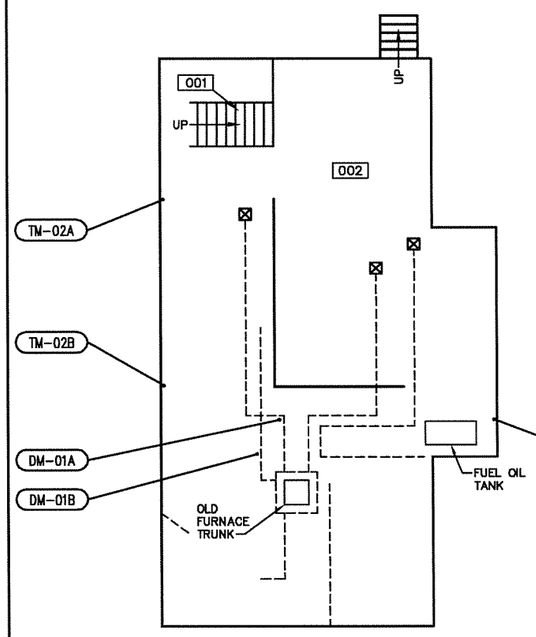
3. QUANTITY
SF = Square Feet
LF = Linear Feet
FTG = Fittings
EA = Each

4. CONDTION
G = Good
F = Fair
P = Poor

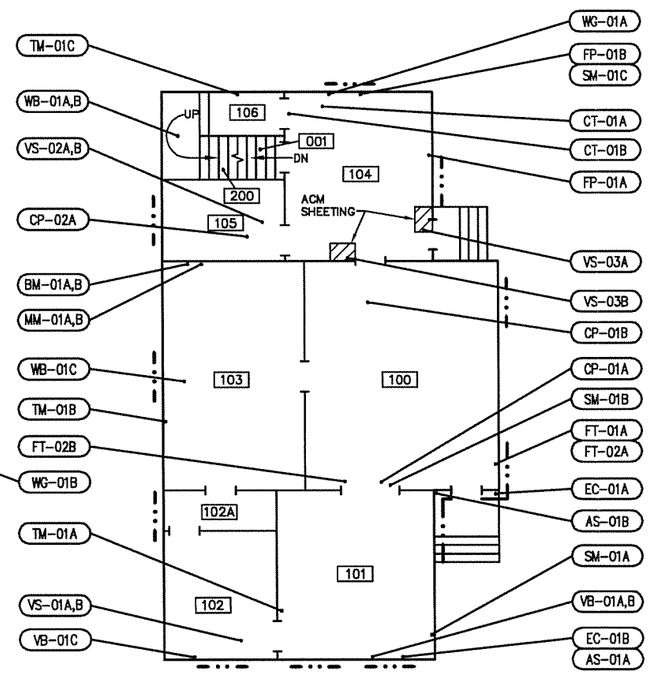
N

LEGEND

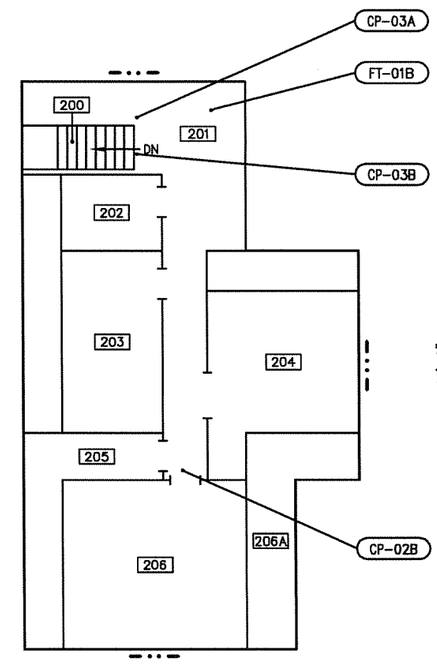
- PRESUMED ASBESTOS CONTAINING DUCT INSULATION
- ASBESTOS CONTAINING SIDING CAULK
- ASBESTOS CONTAINING SHEETING



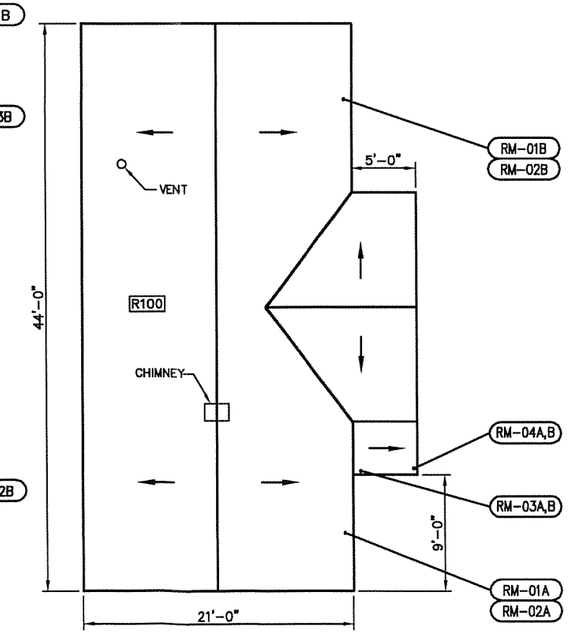
BASEMENT PLAN
NOT TO SCALE



FIRST FLOOR PLAN
NOT TO SCALE



SECOND FLOOR PLAN
NOT TO SCALE



ROOF PLAN
NOT TO SCALE

CITY OF ROCHESTER
ASBESTOS SURVEY

66 SULLIVAN STREET

Barton & Loguidice, P.C.

Date
SEPTEMBER, 2012

Scale
NOT TO SCALE

Figure Number
1

Project Number
981.004

Plotted: Sep 24, 2012 – 4:00PM SYR By: jgs
I:\Shared\900\981004\981004_ASB118.dwg

Appendix B

Photos of Asbestos Containing Materials

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

11 Centre Park
Suite 203
Rochester, New York 14614
Phone: (585) 325-7190
Fax: (585) 325-4856

CITY OF ROCHESTER
66 SULLIVAN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
Inspection Date: 9/14/2012
Inspected By: **TJS/MDG**

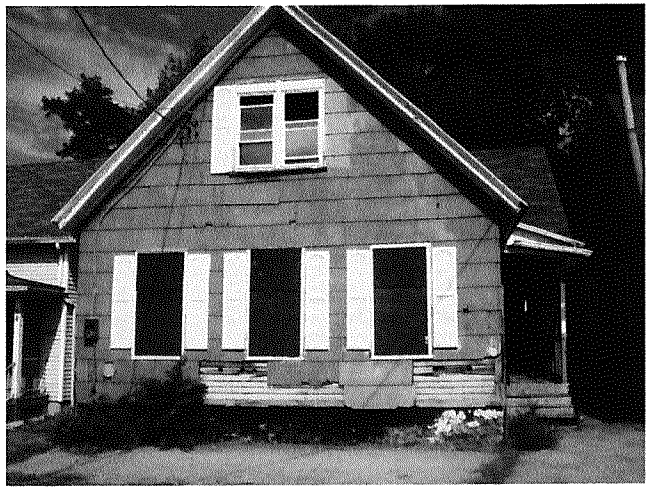
Photo No. 1	
Location: 66 SULLIVAN STREET ROCHESTER, NY	
Sample No.	
Description: VIEW OF SUBJECT PROPERTY RESIDENCE	

Photo No. 2	
Location: 104	
Sample No. VS03A	
Description: TAN & BROWN SQUARE PATTERN SHEETING 37.3% CH	

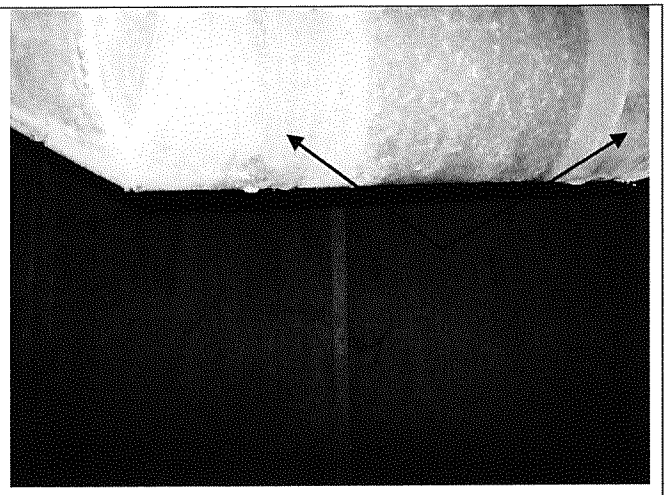
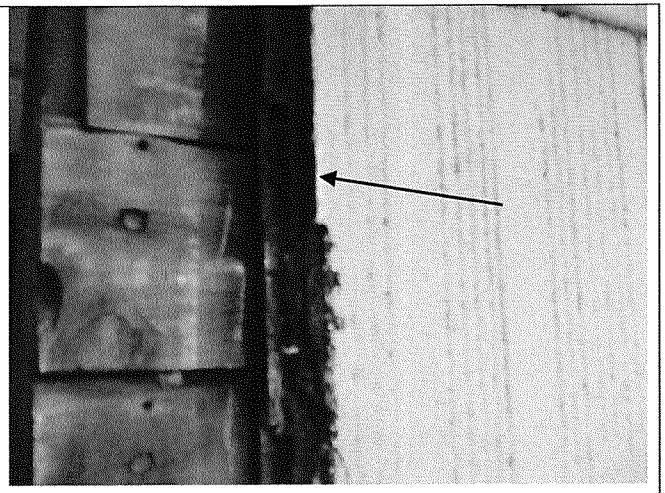
Photo No. 3	
Location: 002	
Sample No. NOT SAMPLED	
Description: DUCT INSULATION PRESUMED ACM	

Photo No. 4	
Location: EXTERIOR	
Sample No. EC01A	
Description: SIDING CAULK 6.4% CH	

Appendix C

Photos of
Non-Asbestos Containing Materials

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

11 Centre Park
Suite 203
Rochester, New York 14614
Phone: (585) 325-7190
Fax: (585) 325-4856

CITY OF ROCHESTER
66 SULLIVAN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
Inspection Date: 9/14/2012
Inspected By: **TJS/MDG**

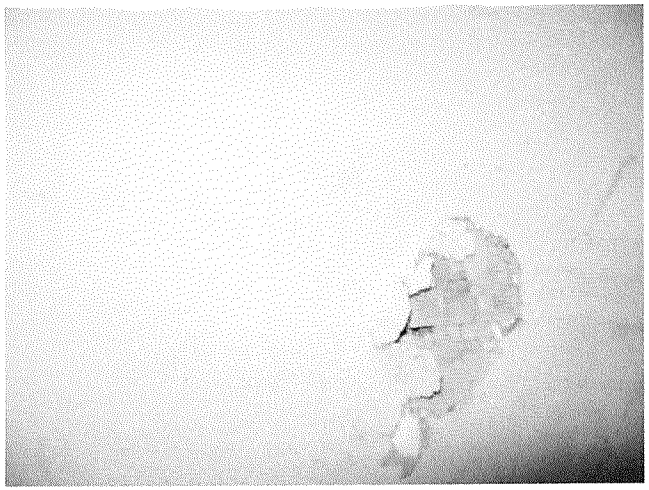
Photo No.	
5	
Location **101**	
Sample No. **TM01A**	
Description **TYPICAL PLASTER NON-ACM**	

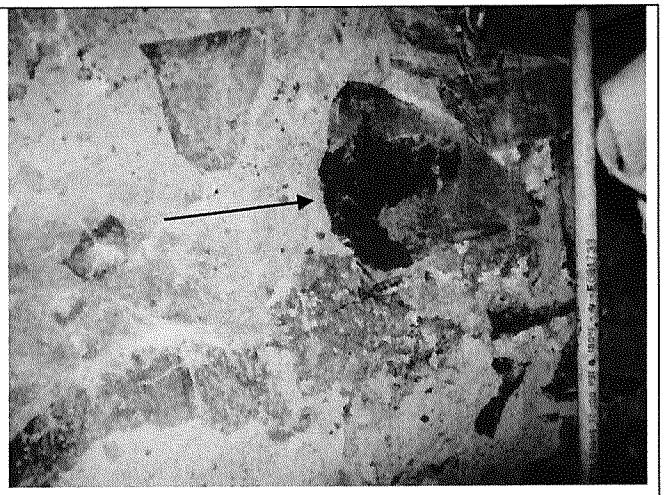
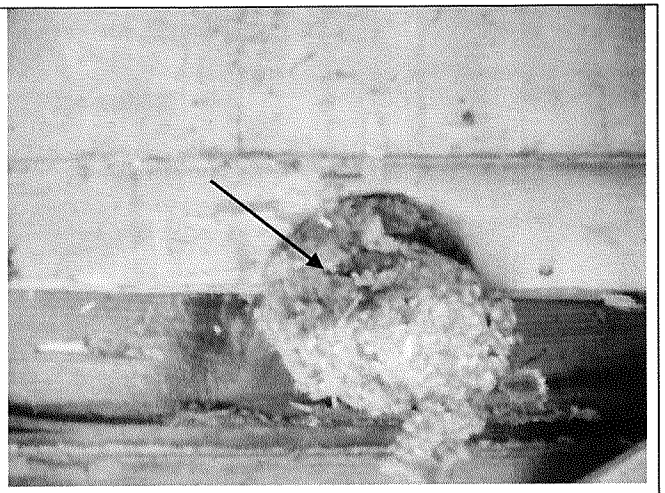
Photo No.	
6	
Location **002**	
Sample No. **TM02A**	
Description **BLACK SEALANT NON-ACM**	

Photo No.	
7	
Location **106**	
Sample No. **WB01A**	
Description **TYPICAL SHEETROCK NON-ACM**	

Photo No.	
8	
Location **EXTERIOR**	
Sample No. **SM01A**	
Description **BLOWN-IN INSULATION NON-ACM**	

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

11 Centre Park
Suite 203
Rochester, New York 14614
Phone: (585) 325-7190
Fax: (585) 325-4856

CITY OF ROCHESTER
66 SULLIVAN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
Inspection Date: 9/14/2012
Inspected By: **TJS/MDG**

Photo No. 9	
Location: 104	
Sample No.: WG01A	
Description: WINDOW GLAZE NON-ACM	

Photo No. 10	
Location: 100	
Sample No.: FT01A	
Description: 12"X12" GRAY MOTTLED FLOOR TILE NON-ACM	

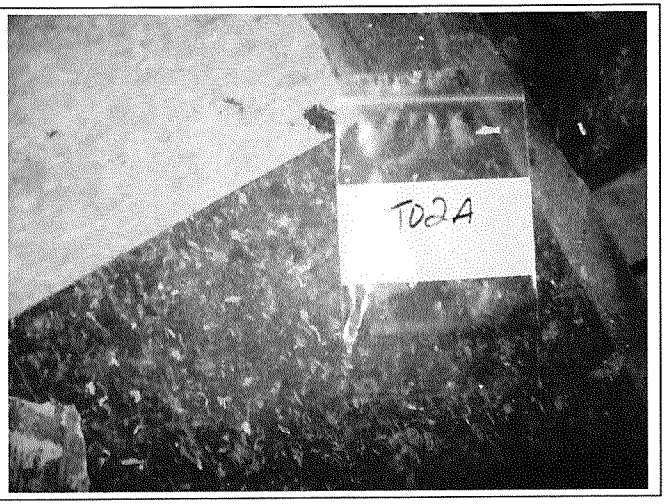
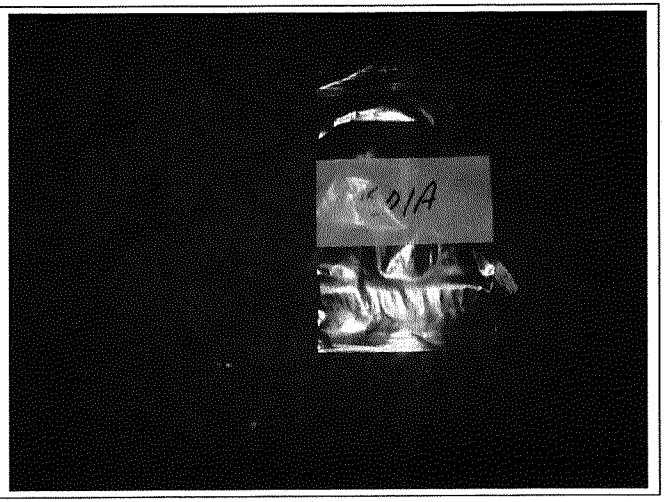
Photo No. 11	
Location: 100	
Sample No.: FT02A	
Description: 12"X12" BLACK MOTTLED FLOOR TILE NON-ACM	

Photo No. 12	
Location: 102	
Sample No.: VS01A	
Description: BEIGE & BROWN FLORAL SHEETING NON-ACM	

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Rochester, New York 14614
Phone: (585) 325-7190
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66 SULLIVAN STREET
ROCHESTER, NY

PROJECT No. 981.004.001
Inspection Date: 9/14/2012
Inspected By: **TJS/MDG**

Photo No. 13	
Location: 105	
Sample No.: VS02A	
Description: BEIGE SQUARE SHEETING NON-ACM	

Photo No. 14	
Location: 105	
Sample No.: BM01A	
Description: BLACK BASEBOARD MOLDING NON-ACM	

Photo No. 15	
Location: 105	
Sample No.: MM01A	
Description: BEIGE WALL TILE MASTIC NON-ACM	

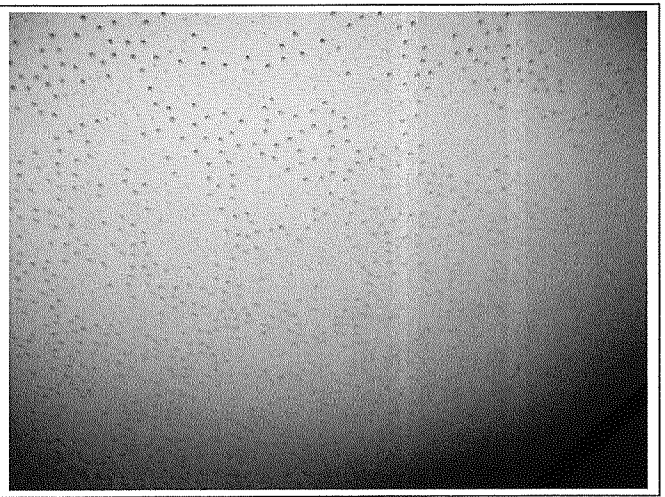
Photo No. 16	
Location: 100	
Sample No.: CP01A	
Description: 2'X4' RANDOM HOLE CEILING PANEL NON-ACM	

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Photo No. 17	
Location: 105	
Sample No.: CP02A	
Description: 2'X4' FISSURED CEILING PANEL NON-ACM	

Photo No. 18	
Location: 201	
Sample No.: CP03A	
Description: 2'X4' SMOOTH CEILING PANEL NON-ACM	

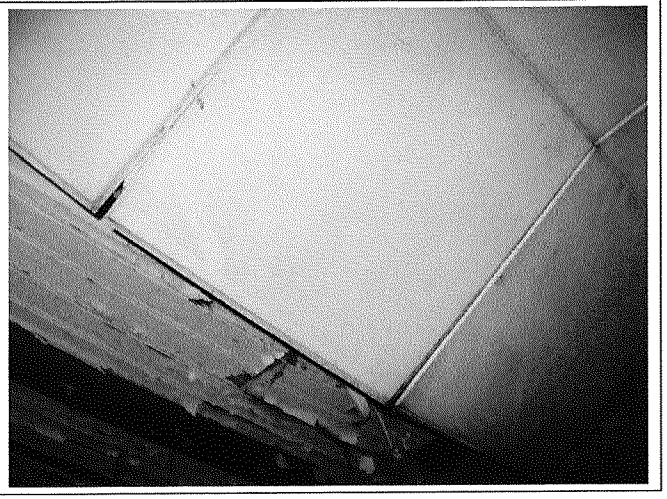
Photo No. 19	
Location: 104	
Sample No.: CT01A	
Description: 1'X1' SMOOTH CEILING TILE NON-ACM	

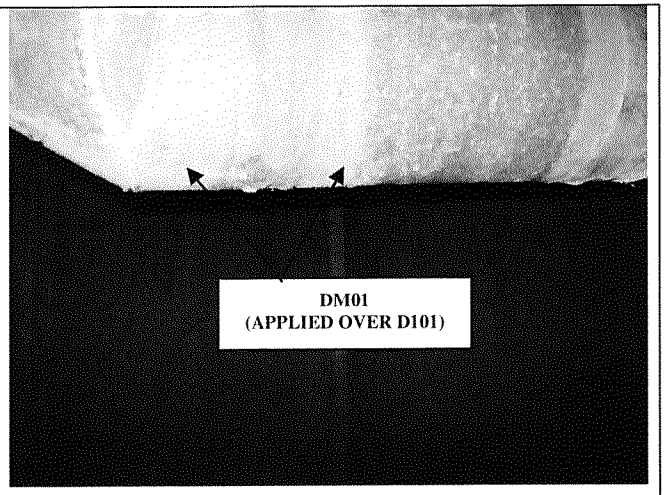
Photo No. 20	
Location: 002	
Sample No.: DM01A	
Description: WHITE DUCT MASTIC NON-ACM	

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Photo No. 21	
Location: **EXTERIOR**	
Sample No.: **FP01A**	
Description: **BLACK FOUNDATION PAINT NON-ACM**	

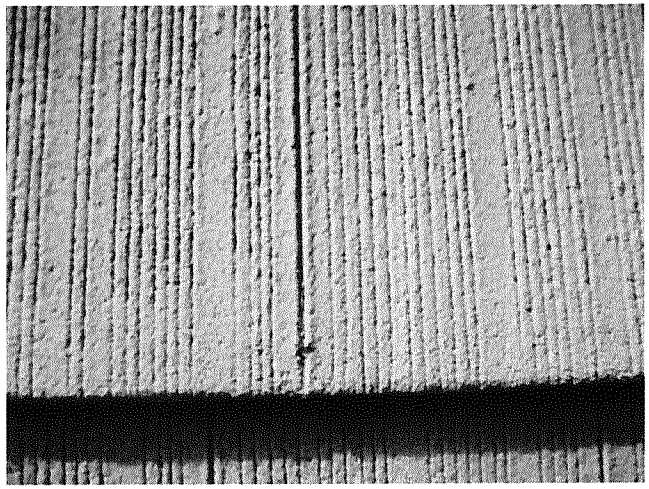
Photo No. 22	
Location: **EXTERIOR**	
Sample No.: **AS01A**	
Description: **BLUE ASPHALT SIDING NON-ACM**	

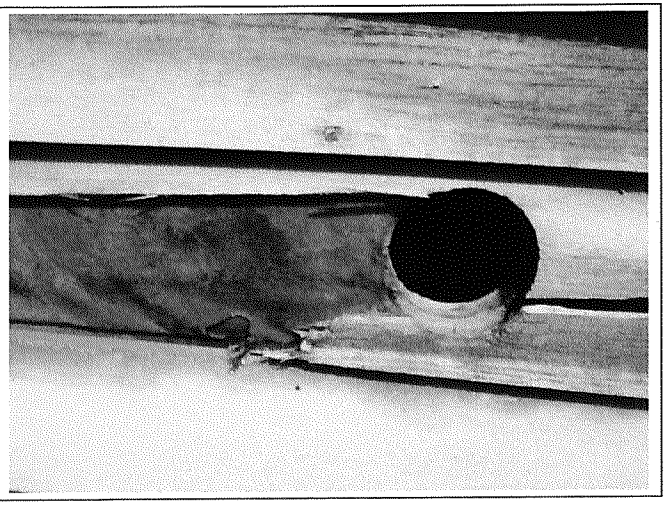
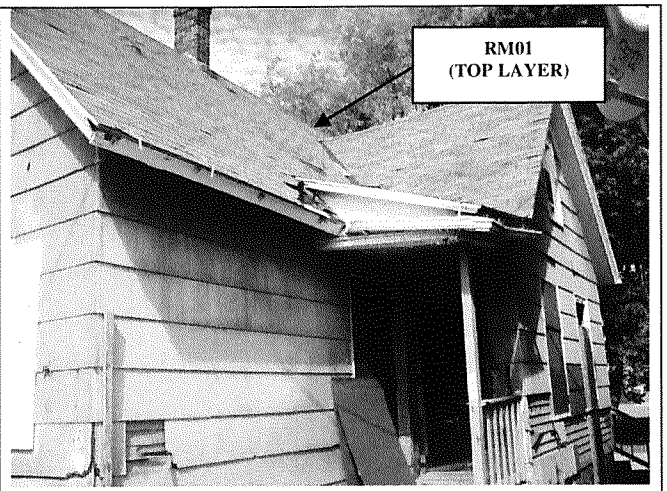
Photo No. 23	
Location: **EXTERIOR**	
Sample No.: **VB01A**	
Description: **RED VAPOR BARRIER NON-ACM**	

Photo No. 24	
Location: **R100**	
Sample No.: **RM01A**	
Description: **GRAY ROOF SHINGLE NON-ACM**	

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Inspection Date: 9/14/2012
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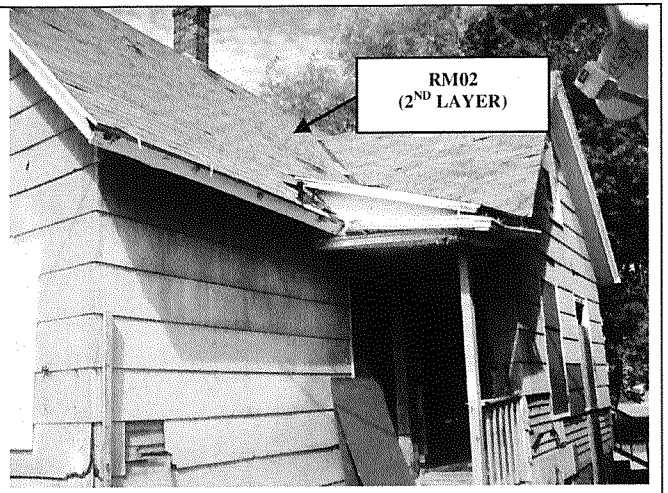
Photo No.	
25	
Location: R100	
Sample No.: RM02A	
Description: BLACK ROLLED ROOFING NON-ACM	

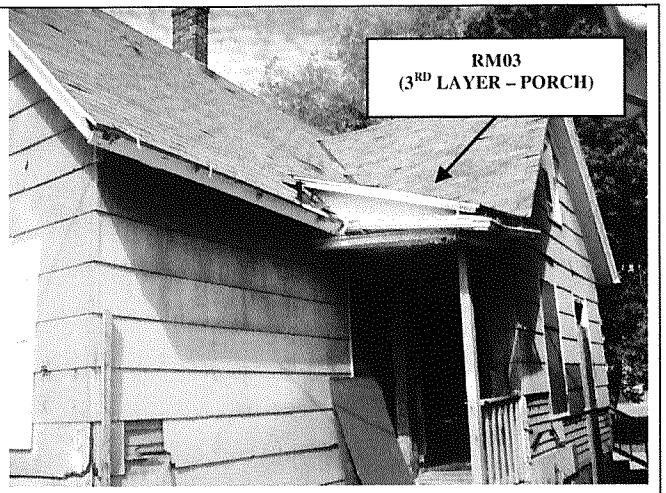
Photo No.	
26	
Location: R100	
Sample No.: RM03A	
Description: BLACK TAR PAPER NON-ACM	

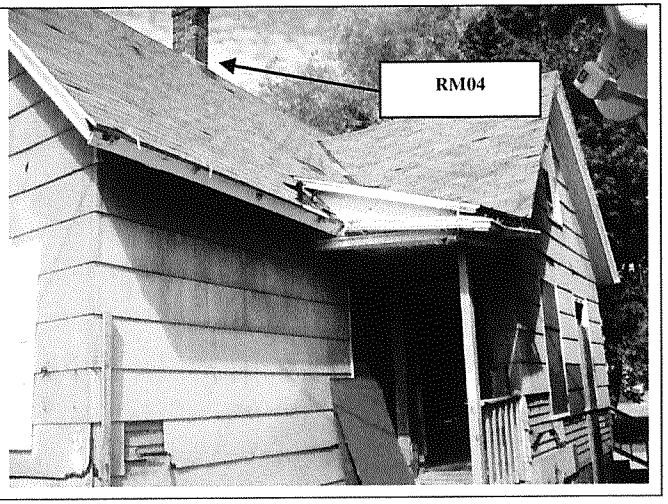
Photo No.	
27	
Location: R100	
Sample No.: RM04A	
Description: GRAY ROOF CEMENT NON-ACM	

Photo No.	
Location	
Sample No.	
Description	

Appendix D

Asbestos Bulk Sample Analytical Results and Chain of Custody Records

AMERI SCI

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Barton & Loguidice, P.C.
Attn: John E. Rigge
PO Box 3107
290 Elwood Davis Road
Syracuse, NY 13220

Date Received 09/15/12 **AmeriSci Job #** 212092870
Date Examined 09/18/12 **P.O. #**
ELAP # 11480 **Page** 1 **of** 10
RE: 981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TM01A TM01	212092870-01.1 **Location:** Typical Plaster - Finish Coat	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
TM01A TM01	212092870-01.2 **Location:** Typical Plaster - Base Coat	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Animal hair Trace, Cellulose Trace, Non-fibrous 100 %			
TM01B TM01	212092870-02.1 **Location:** Typical Plaster - Finish Coat	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
TM01B TM01	212092870-02.2 **Location:** Typical Plaster - Base Coat	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Animal hair Trace, Cellulose Trace, Non-fibrous 100 %			
TM01C TM01	212092870-03.1 **Location:** Typical Plaster - Finish Coat	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TM01C TM01	212092870-03.2 **Location:** Typical Plaster - Base Coat	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Animal hair Trace, Cellulose Trace, Non-fibrous 100 %			
TM02A TM02	212092870-04 **Location:** Black Sealant	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 34.6 %			
TM02B TM02	212092870-05 **Location:** Black Sealant	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 51.7 %			
WB01A WB01	212092870-06 **Location:** Typical Sheetrock	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Brown/Grey, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			
WB01B WB01	212092870-07 **Location:** Typical Sheetrock	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Brown/Grey, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			
WB01C WB01	212092870-08 **Location:** Typical Sheetrock	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Brown/Grey, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			

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PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SM01A SM01	212092870-09 **Location:** Blown-In Insulation	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 99 %, Non-fibrous 1 %			
SM01B SM01	212092870-10 **Location:** Blown-In Insulation	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 99 %, Non-fibrous 1 %			
SM01C SM01	212092870-11 **Location:** Blown-In Insulation	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 99 %, Non-fibrous 1 %			
WG01A WG01	212092870-12 **Location:** Window Glaze	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.3 %			
WG01B WG01	212092870-13 **Location:** Window Glaze	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.3 %			
FT01A FT01	212092870-14 **Location:** 12" x 12" Gray Mottled Floor Tile	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.5 %			

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PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FT01B FT01	212092870-15 **Location:** 12" x 12" Gray Mottled Floor Tile	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.6 %			
FT02A FT02	212092870-16 **Location:** 12" x 12" Black Mottled Floor Tile	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.1 %			
FT02B FT02	212092870-17 **Location:** 12" x 12" Black Mottled Floor Tile	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.8 %			
VS01A VS01	212092870-18 **Location:** Beige And Brown Floral Sheeting	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Brown/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 22.5 %			
VS01B VS01	212092870-19 **Location:** Beige And Brown Floral Sheeting	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Brown/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11.2 %			
VS02A VS02	212092870-20 **Location:** Beige Square Sheeting	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 12.3 %			

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PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
VS02B VS02	212092870-21 **Location:** Beige Square Sheeting	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 14 %			
VS03A VS03	212092870-22 **Location:** Tan And Brown Square Pattern Sheeting	***Yes***	37.3 % (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Brown/Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 37.3 % **Other Material:** Non-fibrous 9.3 %			
VS03B VS03	212092870-23 **Location:** Tan And Brown Square Pattern Sheeting		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
BM01A BM01	212092870-24 **Location:** Black Baseboard Molding	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.1 %			
BM01B BM01	212092870-25 **Location:** Black Baseboard Molding	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.7 %			
MM01A MM01	212092870-26 **Location:** Beige Wall Tile Mastic	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.4 %			

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PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
MM01B MM01	212092870-27 **Location:** Beige Wall Tile Mastic	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.8 %			
CP01A CP01	212092870-28 **Location:** 2' x 4' Random Hole Ceiling Panel	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 47.7 %			
CP01B CP01	212092870-29 **Location:** 2' x 4' Random Hole Ceiling Panel	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 50.6 %			
CP02A CP02	212092870-30 **Location:** 2' x 4' Fissured Ceiling Panel	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 47.3 %			
CP02B CP02	212092870-31 **Location:** 2' x 4' Fissured Ceiling Panel	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 51.1 %			
CP03A CP03	212092870-32 **Location:** 2' x 4' Smooth Ceiling Panel	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.9 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CP03B CP03	212092870-33 **Location:** 2' x 4' Smooth Ceiling Panel	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.1 %			
CT01A CT01	212092870-34 **Location:** 1' x 1' Smooth Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.3 %			
CT01B CT01	212092870-35 **Location:** 1' x 1' Smooth Ceiling Tile	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.1 %			
DM01A DM01	212092870-36 **Location:** White Duct Mastic	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.8 %			
DM01B DM01	212092870-37 **Location:** White Duct Mastic	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 46.7 %			
EC01A EC01	212092870-38 **Location:** Siding Caulk	***Yes***	6.4 % (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 6.4 % **Other Material:** Non-fibrous 36.9 %			

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PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
EC01B EC01	212092870-39 **Location:** Siding Caulk **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**		NA/PS
FP01A	212092870-40 **Location:** Black Foundation Paint **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 37.9 %	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
FP01B FP01	212092870-41 **Location:** Black Foundation Paint **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 39 %	***Yes***	Trace (<0.25 % pc) (ELAP 198.6; 400pc) by David W. Roderick on 09/18/12
AS01A AS01	212092870-42 **Location:** Blue Asphalt Siding **Analyst Description:** Blue/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 37.1 %	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
AS01B AS01	212092870-43 **Location:** Blue Asphalt Siding **Analyst Description:** Blue/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 50.8 %	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
VB01A VB01	212092870-44 **Location:** Red Vapor Barrier **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 99 %, Non-fibrous 1 %	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12

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PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
VB01B VB01	212092870-45 **Location:** Red Vapor Barrier	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 99 %, Non-fibrous 1 %			
VB01C VB01	212092870-46 **Location:** Red Vapor Barrier	***No***	NAD (by NYS ELAP 198.1) by David W. Roderick on 09/18/12
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 99 %, Non-fibrous 1 %			
RM01A RM01	212092870-47 **Location:** Gray Roof Shingle	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 8 %, Non-fibrous 24.3 %			
RM01B RM01	212092870-48 **Location:** Gray Roof Shingle	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 8 %, Non-fibrous 14.7 %			
RM02A RM02	212092870-49 **Location:** Black Rolled Roofing	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.4 %			
RM02B RM02	212092870-50 **Location:** Black Rolled Roofing	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RM03A RM03	212092870-51 **Location:** Black Tar Paper	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.1 %			
RM03B RM03	212092870-52 **Location:** Black Tar Paper	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9 %			
RM04A RM04	212092870-53 **Location:** Gray Roof Cement	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31.8 %			
RM04B RM04	212092870-54 **Location:** Gray Roof Cement	***No***	NAD (by NYS ELAP 198.6) by David W. Roderick on 09/18/12
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.2 %			

Reporting Notes:

Analyzed by: David W. Roderick

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples or 198.6 for NOB samples (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA Lab # 102843, RI Cert#AAL-094, CT Cert#PH-0186, Mass Cert#AA000054.

Reviewed By:_____ _____END OF REPORT_____

Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01.1	TM01A	TM01	----	----	----	----	NAD	NA
Location:	Typical Plaster - Finish Coat							
01.2	TM01A	TM01	----	----	----	----	NAD	NA
Location:	Typical Plaster - Base Coat							
02.1	TM01B	TM01	----	----	----	----	NAD	NA
Location:	Typical Plaster - Finish Coat							
02.2	TM01B	TM01	----	----	----	----	NAD	NA
Location:	Typical Plaster - Base Coat							
03.1	TM01C	TM01	----	----	----	----	NAD	NA
Location:	Typical Plaster - Finish Coat							
03.2	TM01C	TM01	----	----	----	----	NAD	NA
Location:	Typical Plaster - Base Coat							
04	TM02A	TM02	0.419	1.4	64.0	34.6	NAD	NAD
Location:	Black Sealant							
05	TM02B	TM02	0.350	2.9	45.4	51.7	NAD	NAD
Location:	Black Sealant							
06	WB01A	WB01	----	----	----	----	NAD	NA
Location:	Typical Sheetrock							
07	WB01B	WB01	----	----	----	----	NAD	NA
Location:	Typical Sheetrock							
08	WB01C	WB01	----	----	----	----	NAD	NA
Location:	Typical Sheetrock							
09	SM01A	SM01	----	----	----	----	NAD	NA
Location:	Blown-In Insulation							
10	SM01B	SM01	----	----	----	----	NAD	NA
Location:	Blown-In Insulation							
11	SM01C	SM01	----	----	----	----	NAD	NA
Location:	Blown-In Insulation							
12	WG01A	WG01	0.399	12.5	82.2	5.3	NAD	NAD
Location:	Window Glaze							
13	WG01B	WG01	0.220	16.4	76.4	7.3	NAD	NAD
Location:	Window Glaze							

See Reporting notes on last page

AmeriSci Job #: **212092870**

Client Name: Barton & Loguidice, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
14	FT01A	FT01	0.201	13.9	81.6	4.5	NAD	NAD
Location: 12" x 12" Gray Mottled Floor Tile								
15	FT01B	FT01	0.284	13.0	82.4	4.6	NAD	NAD
Location: 12" x 12" Gray Mottled Floor Tile								
16	FT02A	FT02	0.332	15.1	79.8	5.1	NAD	NAD
Location: 12" x 12" Black Mottled Floor Tile								
17	FT02B	FT02	0.290	15.5	80.7	3.8	NAD	NAD
Location: 12" x 12" Black Mottled Floor Tile								
18	VS01A	VS01	0.476	63.7	13.9	22.5	NAD	NAD
Location: Beige And Brown Floral Sheeting								
19	VS01B	VS01	0.205	82.0	6.8	11.2	NAD	NAD
Location: Beige And Brown Floral Sheeting								
20	VS02A	VS02	0.212	51.4	36.3	12.3	NAD	NAD
Location: Beige Square Sheeting								
21	VS02B	VS02	0.221	50.2	35.7	14.0	NAD	NAD
Location: Beige Square Sheeting								
22	VS03A	VS03	0.208	49.0	4.3	9.3	Chrysotile 37.3	NA
Location: Tan And Brown Square Pattern Sheeting								
23	VS03B	VS03	0.101	55.4	8.9	35.6	NA/PS	NA
Location: Tan And Brown Square Pattern Sheeting								
24	BM01A	BM01	0.289	25.3	71.6	3.1	NAD	NAD
Location: Black Baseboard Molding								
25	BM01B	BM01	0.291	26.8	70.4	2.7	NAD	NAD
Location: Black Baseboard Molding								
26	MM01A	MM01	0.270	31.5	68.1	0.4	NAD	NAD
Location: Beige Wall Tile Mastic								
27	MM01B	MM01	0.249	30.5	68.7	0.8	NAD	NAD
Location: Beige Wall Tile Mastic								
28	CP01A	CP01	0.264	29.9	22.3	47.7	NAD	NAD
Location: 2' x 4' Random Hole Ceiling Panel								
29	CP01B	CP01	0.259	31.3	18.1	50.6	NAD	NAD
Location: 2' x 4' Random Hole Ceiling Panel								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
30	CP02A	CP02	0.205	29.3	23.4	47.3	NAD	NAD
Location:	2' x 4' Fissured Ceiling Panel							
31	CP02B	CP02	0.190	29.5	19.5	51.1	NAD	NAD
Location:	2' x 4' Fissured Ceiling Panel							
32	CP03A	CP03	0.283	83.4	6.7	9.9	NAD	NAD
Location:	2' x 4' Smooth Ceiling Panel							
33	CP03B	CP03	0.225	87.1	5.8	7.1	NAD	NAD
Location:	2' x 4' Smooth Ceiling Panel							
34	CT01A	CT01	0.247	91.1	3.6	5.3	NAD	NAD
Location:	1' x 1' Smooth Ceiling Tile							
35	CT01B	CT01	0.283	95.1	2.8	2.1	NAD	NAD
Location:	1' x 1' Smooth Ceiling Tile							
36	DM01A	DM01	0.288	46.2	10.1	43.8	NAD	NAD
Location:	White Duct Mastic							
37	DM01B	DM01	0.184	46.7	6.5	46.7	NAD	NAD
Location:	White Duct Mastic							
38	EC01A	EC01	0.210	36.7	20.0	36.9	Chrysotile 6.4	NA
Location:	Siding Caulk							
39	EC01B	EC01	0.207	49.8	6.3	44.0	NA/PS	NA
Location:	Siding Caulk							
40	FP01A		0.206	48.1	14.1	37.9	NAD	NAD
Location:	Black Foundation Paint							
41	FP01B	FP01	0.403	48.4	12.7	38.9	Chrysotile <0.25	Chrysotile Trace
Location:	Black Foundation Paint							
42	AS01A	AS01	0.310	58.1	4.8	37.1	NAD	NAD
Location:	Blue Asphalt Siding							
43	AS01B	AS01	0.728	46.2	3.0	50.8	NAD	NAD
Location:	Blue Asphalt Siding							
44	VB01A	VB01	---	---	---	---	NAD	NA
Location:	Red Vapor Barrier							
45	VB01B	VB01	---	---	---	---	NAD	NA
Location:	Red Vapor Barrier							

See Reporting notes on last page

AmeriSci Job #: **212092870**

Client Name: Barton & Loguidice, P.C.

Table I
Summary of Bulk Asbestos Analysis Results

981.004.001; City Of Rochester; 66 Sullivan Street, Rochester, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
46	VB01C	VB01	----	----	----	----	NAD	NA
Location: Red Vapor Barrier								
47	RM01A	RM01	0.665	20.6	47.1	32.3	NAD	NAD
Location: Gray Roof Shingle								
48	RM01B	RM01	0.484	22.7	54.5	22.7	NAD	NAD
Location: Gray Roof Shingle								
49	RM02A	RM02	0.357	43.1	18.5	38.4	NAD	NAD
Location: Black Rolled Roofing								
50	RM02B	RM02	0.329	39.2	18.5	42.2	NAD	NAD
Location: Black Rolled Roofing								
51	RM03A	RM03	0.190	96.3	1.6	2.1	NAD	NAD
Location: Black Tar Paper								
52	RM03B	RM03	0.229	95.6	0.4	3.9	NAD	NAD
Location: Black Tar Paper								
53	RM04A	RM04	0.289	56.9	11.3	31.8	NAD	NAD
Location: Gray Roof Cement								
54	RM04B	RM04	0.148	41.9	14.9	43.2	NAD	NAD
Location: Gray Roof Cement								

Analyzed by: Aleksandr Barengolts_____; Date Analyzed 9/18/2012

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

Barton & Loguidice, P.C.

Engineers • Environmental Scientists • Planners • Landscape Architects

Bulk Sample Chain-of-Custody

11 Centre Park
Suite 203
Rochester, NY 14614
585-325-7190 Fax: 585-325-4856

212092870

Client: City of Rochester
Location: 66 Sullivan Street
Rochester, NY

Project No.: 981.004.001
Date Sampled: 9/14/2012
Sampled By: TJS/MDG

Sample Identification:	Description
TM01A,B,C	Typical Plaster
TM02A,B	Black Sealant
WB01A,B,C	Typical Sheetrock
SM01A,B,C	Blown-In Insulation
WG01A,B	Window Glaze
FT01A,B	12"x 12" Gray Mottled Floor Tile
FT02A,B	12"x 12" Black Mottled Floor Tile
VS01A,B	Beige and Brown Floral Sheeting
VS02A,B	Beige Square Sheeting
VS03A,B	Tan and Brown Square Pattern Sheeting
BM01A,B	Black Baseboard Molding

Sample Identification:	Description
MM01A,B	Beige Wall Tile Mastic
CP01A,B	2'x 4' Random Hole Ceiling Panel
CP02A,B	2'x 4' Fissured Ceiling Panel
CP03A,B	2'x 4' Smooth Ceiling Panel
CT01A,B	1'x 1' Smooth Ceiling Tile
DM01A,B ~~DC01A,B~~ (MC) (MC)	~~D~~ White Duct Mastic
EC01A,B	Siding Caulk
FP01A,B	Black Foundation Paint
AS01A,B	Blue Asphalt Siding
VB01A,B,C	Red Vapor Barrier
RM01A,B	Gray Roof Shingle

Total Number of Samples: 54

Analysis Required:

		Comments:
Polarized Light Microscopy	X	Stop at first positive (> than 1% asbestos) in each sample series.
PLM - NOB	X	Advance to TEM if PLM result is 1% asbestos or less.

Report Results to:

		Email/Fax:
Email: Tim Strzepek	By: 72 TAT	tstrzepek@bartonandloguidice.com
Email:	72 TAT	

	Signature:	Date:	Comments:
Relinquished by:	[signature]	9/14/12	
Received by Lab.:	[signature]	9/15/12 1102	
Received by Analyst:	[signature]	9/18/12 0600	

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

Bulk Sample Chain-of-Custody

11 Centre Park
Suite 203
Rochester, NY 14614
585-325-7190 Fax: 585-325-4856

Client: **City of Rochester**
Location: **66 Sullivan Street**
Rochester, NY

Project No.: **981.004.001**
Date Sampled: 9/14/2012
Sampled By: TJS/MDG

Sample Identification:	Description
RM02A,B	Black Rolled Roofing
RM03A,B	Black Tar Paper
RM04A,B	Gray Roof Cement

Sample Identification:	Description

212092870

Total Number of Samples:

Analysis Required:

		Comments:
Polarized Light Microscopy	X	Stop at first positive (> than 1% asbestos) in each sample series.
PLM - NOB	X	Advance to TEM if PLM result is 1% asbestos or less.

Report Results to:

		Email/Fax:
Email: Tim Strzepek	By: **72 TAT**	tstrzepek@bartonandloguidice.com
Email:	**72 TAT**	

	Signature:	Date:	Comments:
Relinquished by:	[signature]	9/14/12	
Received by Lab.:	[signature]	9/15/12	1102
Received by Analyst:	[signature]	9/18/12	0800

Appendix E

Barton & Loguidice, P.C.
Asbestos License and Certificates

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Barton & Loguidice, P.C.

P.O. Box 3107

Syracuse, NY 13220

FILE NUMBER: 99-0130
LICENSE NUMBER: 29267
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/02/2012
EXPIRATION DATE: 02/28/2013

Duly Authorized Representative – Scott D Nostrand:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

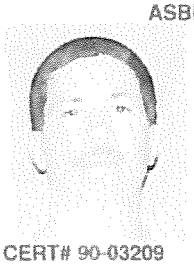
Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



TIMOTHY J STRZEPEK
CLASS(EXPIRES)
C ATEC(07/13) D INSP(07/13)
H PM (07/13)

CERT# 90-03209
DMV# 685146125

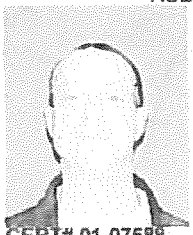
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



MICHAEL D GOFF
CLASS(EXPIRES)
C ATEC(12/12) D INSP(12/12)
H PM (12/12)

CERT# 01-07588
DMV# [redacted]

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 6' 03"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

Appendix F

Laboratory Certificates

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 11480

MR. PAUL MUCHA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 46752

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

PRE-DEMOLITION ASBESTOS SURVEY

72 SIXTH STREET
ROCHESTER, NEW YORK

PREPARED FOR:

CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614

November 8, 2012

Lozier
Environmental Consulting, Inc.

Prepared By: Angela Liddell

CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

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CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on August 16, 2012 at 72 Sixth Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story home with a basement and detached garage.

New York State Department of Labor certified inspector Ron Arthurs conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
    a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
    b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6*; Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); ”Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department’s Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located.” The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 72 Sixth Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Basement	Window Glaze	Fair	NOB	4 Square Feet
	*Transite Flue Pipe	Good	Non-Friable	1 Linear Foot

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Entire Floor	Window Glaze	Good	NOB	20 Square Feet
Dining Room	*Flue Patch	Good	Friable	1 Square Foot
Kitchen	Yellow/Gold Sheet Vinyl – Top Layer	Good	Friable	260 Square Feet
	Black Wall Panel Mastic	Good	NOB	80 Square Feet
	*Flue Patch	Good	Friable	1 Square Foot
Kitchen Closet	Tan/White/Blue Sheet Vinyl – Top Layer	Good	Friable	12 Square Feet

SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Entire Floor	Window Glaze	Good	NOB	4 Square Feet
Room 1	*Flue Patch	Good	Friable	1 Square Foot
Room 2	Stack of Grey/Tan Speck 9”x9” Floor Tile	Good	NOB	40 Square Feet

ROOF

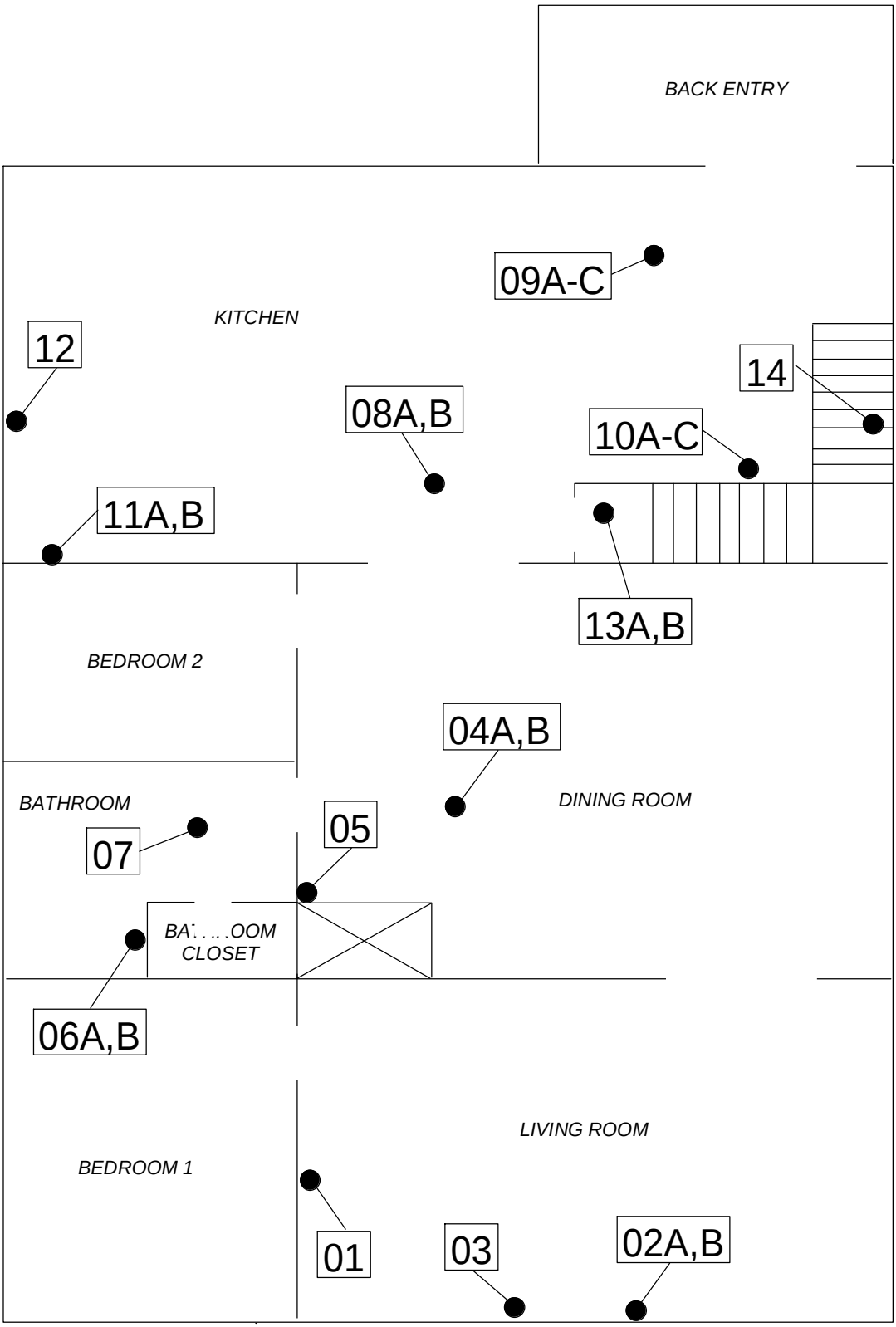
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
House Roof Flashing – Throughout All Roofs	Black Flashing on Chimneys, Dormers, Vents, Roof Edges, and Front Flat Roof Edge	Good	NOB	40 Square Feet

GARAGE

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Interior/Exterior	Grey Fire Door Insulation	Good	Friable	12 Square Feet
Garage Roof Main and Associated Flashing	Black Rolled Roof -over- Black Tar/Rolled Roof -over- White/Black Rolled Roof -over- Black Tar/Rolled Roof	Good	NOB	390 Square Feet

Notes:

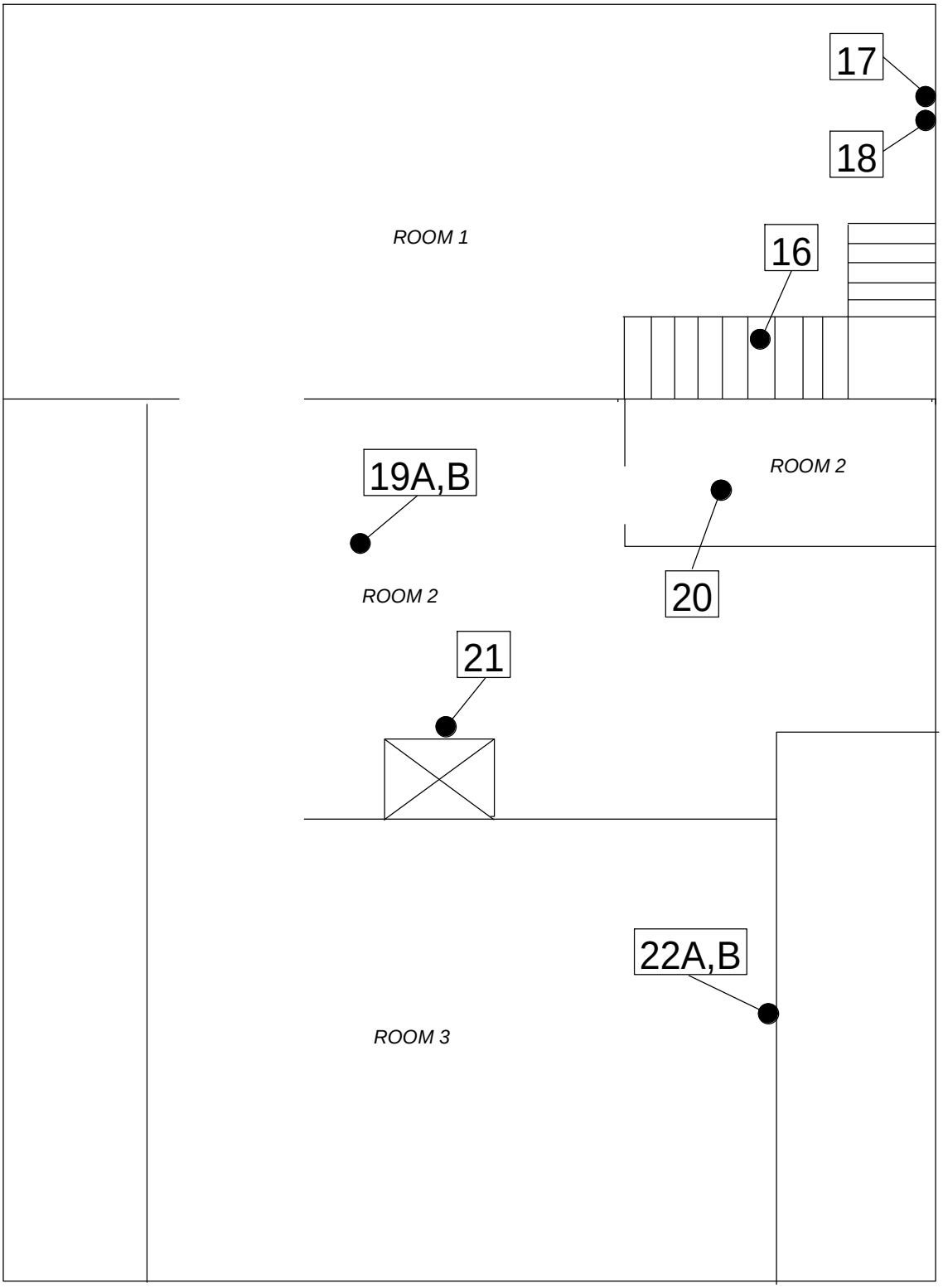
- Condition: ***Good*** = No visible damage and/or very limited deterioration. ***Fair*** = visible damage or deterioration on less than 25% of the material. ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch and transite flue pipe were not sampled and are presumed to be asbestos containing.



PRE-DEMOLITION ASBESTOS SURVEY
FIRST FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

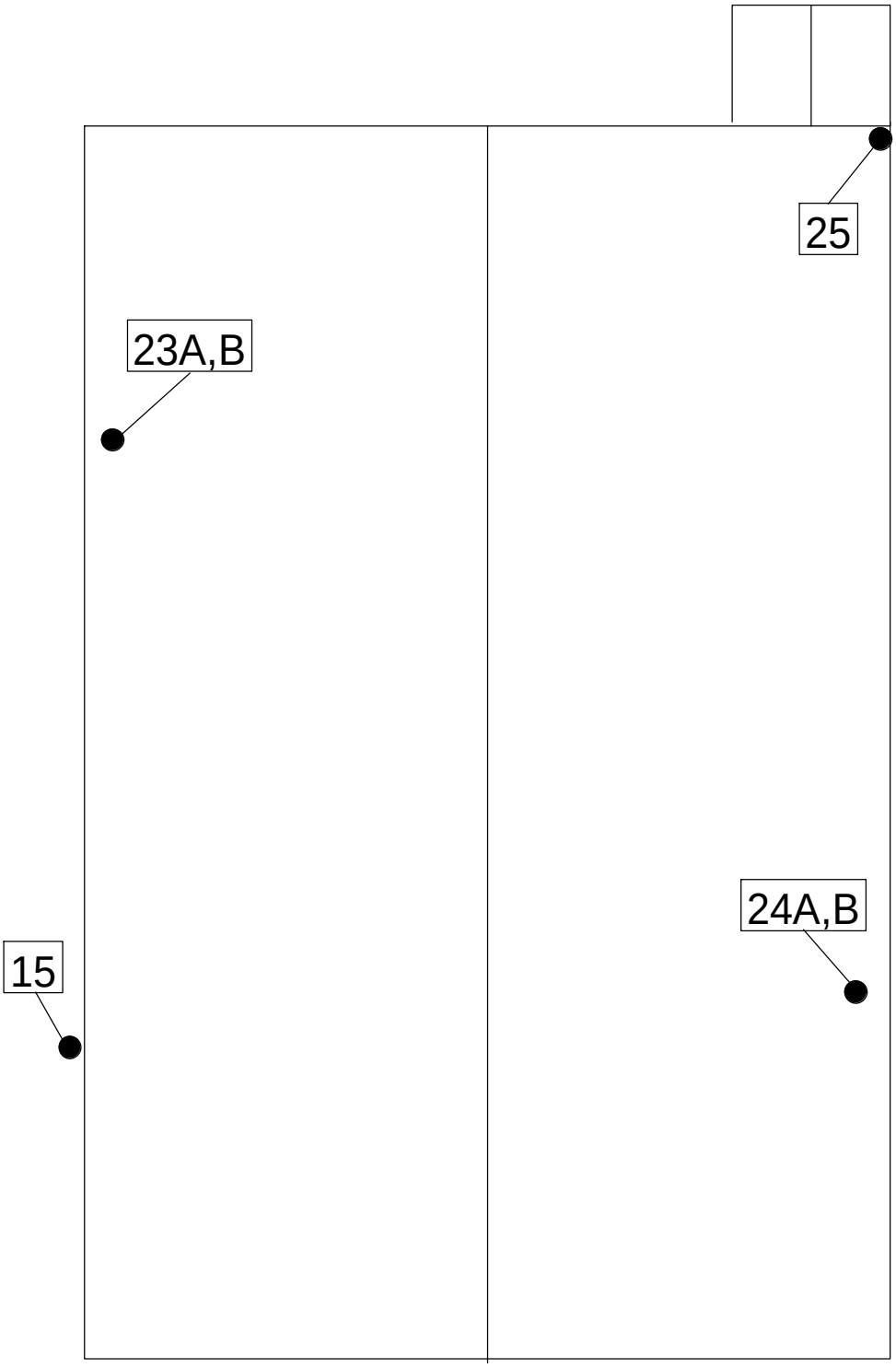
LOZIER ENVIRONMENTAL CONSULTING, INC. AUGUST 16, 2012



PRE-DEMOLITION ASBESTOS SURVEY
SECOND FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

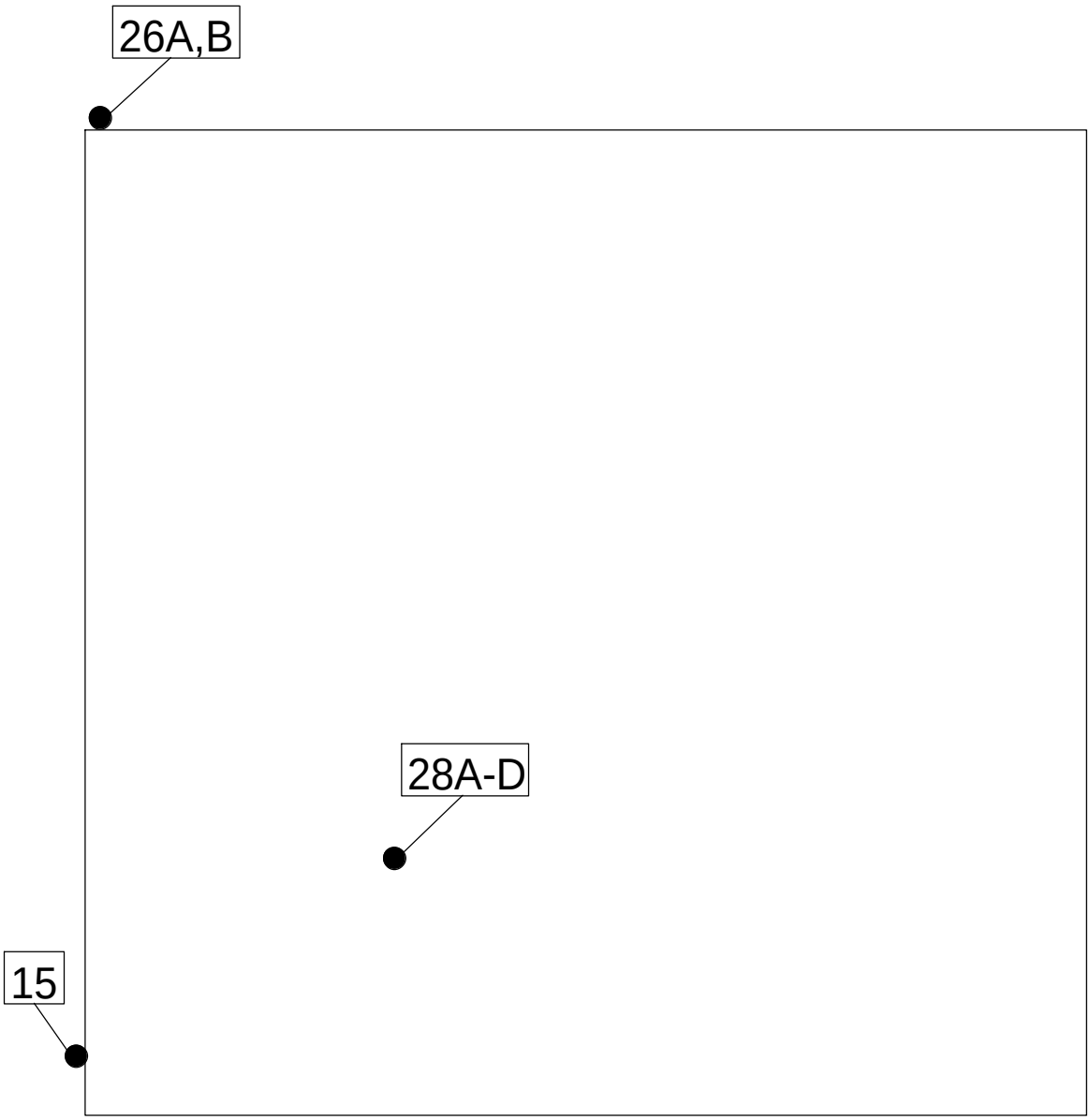
LOZIER ENVIRONMENTAL CONSULTING, INC. AUGUST 16, 2012



PRE-DEMOLITION ASBESTOS SURVEY
ROOF AND EXTERIOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. AUGUST 16, 2012



PRE-DEMOLITION ASBESTOS SURVEY
GARAGE
SAMPLE LOCATIONS

CITY OF ROCHESTER
72 SIXTH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. AUGUST 16, 2012

72 SIXTH STREET
ROCHESTER, NEW YORK

Figure 1: 72 Sixth Street, Rochester, New York

Figure 2: Kitchen - Sample No. 8A: Yellow/Gold Sheet Vinyl – Top Layer

Figure 3: Kitchen - Sample No. 11A: Black Wall Panel Mastic

Figure 4: Kitchen Closet - Sample No. 13A: Tan/White/Blue Sheet Vinyl

Figure 5: Room 1 - Sample No. 17: Window Glaze

Figure 6: Room 2 - Sample No. 20: Stack of Grey/Tan Speck 9”x9” Floor Tile

Figure 7: Garage - Sample No. 27: Grey Fire Door Insulation

Lozier
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ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 72 Sixth Street, Rochester, New York

Laboratory No.: 34683
Date Received: 8/21/12
Report Date: 8/22/12
Analysis Date: 8/21/12
Page: 1 of 5
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	8/16/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	46

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
1	34683-1	Living Room	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%
2A	34683-2A	Living Room	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
2B	34683-2B	Living Room	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 8%	92%
3	34683-3	Living Room	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
4A	34683-4A	Dining Room	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
4B	34683-4B	Dining Room	White Ceiling Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
5	34683-5	Dining Room	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%
6A	34683-6A	Bathroom	Brown Shower Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
6B	34683-6B	Bathroom	Tan Shower Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
7	34683-7	Bathroom	Grey Ceiling Plaster	None Detected 0%	0%		F	Cellulose 7%	93%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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SAMPLE INFORMATION

Sample Date:	8/16/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	46

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
8A	34683-8A	Kitchen	Yellow/Gold Sheet Vinyl 1st Layer	Chrysotile 36.4%	36.4%		F	Cellulose 50%	13.6%
8B	34683-8B	Kitchen	Tan/Black Sheet Vinyl 2nd Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
9A	34683-9A	Kitchen	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	Cellulose 5%	95%
9B	34683-9B	Kitchen	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
9C	34683-9C	Kitchen	Grey Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	Cellulose 4%	96%
10A	34683-10A	Kitchen	Tan Wall Panel Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
10B	34683-10B	Kitchen	White Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
10C	34683-10C	Kitchen	Grey Wall Plaster 3rd layer	None Detected 0%	0%		F	Cellulose 5%	95%
11A	34683-11A	Kitchen	Black Wall Panel Mastic 1st Layer	Chrysotile 2.7%	2.7%		NOB	None Detected 0%	97.3%
11B	34683-11B	Kitchen	White Wall Spackle 2nd Layer	None Detected 0%	0%		NF	None Detected 0%	100%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
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Approved By: _____
J. DeNike Laboratory Director

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SAMPLE INFORMATION

Sample Date:	8/16/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	46

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
12	34683-12	Kitchen	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
13A	34683-13A	Kitchen	Tan/White/Blue Sheet Vinyl 1st Layer	Chrysotile 40%	40%		F	Cellulose 40%	20%
13B	34683-13B	Kitchen	Brown Sheet Vinyl 2nd Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
14	34683-14	Back Entry	Green 9"X9" Floor Tile	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
15	34683-15	Basement	Beige/White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
16	34683-16	Stairs to Second Floor	Tan Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 95%	5%
17	34683-17	Room 1	Beige Window Glaze	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%
18	34683-18	Room 1	Black Storm Window Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
19A	34683-19A	Room 2	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
19B	34683-19B	Room 2	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 4%	96%

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SAMPLE INFORMATION

Sample Date:	8/16/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	46

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
20	34683-20	Room 2	Grey/Tan Speck 9"X9" Floor Tile	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%
21	34683-21	Room 2	White Chimney Coating	None Detected 0%	0%		F	None Detected 0%	100%
22A	34683-22A	Room 3	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
22B	34683-22B	Room 3	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 7%	93%
23A	34683-23A	House Roof - Roof Main	Red/Tan Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 15%	85%
23B	34683-23B	House Roof - Roof Main	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 85%	15%
24A	34683-24A	House Roof - Roof Main	Red/Tan Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 20%	80%
24B	34683-24B	House Roof - Roof Main	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 80%	20%
25	34683-25	Roof Edge Flashing	Black Flashing	Chrysotile 17.8%	17.8%		NOB	None Detected 0%	82.2%
26A	34683-26A	Garage Wall	Tan Wall Vinyl 1st Layer	None Detected 0%	0%		NF	None Detected 0%	100%

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Approved By: _____
J. DeNike Laboratory Director

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Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	8/16/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	46

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
26B	34683-26B	Garage Wall	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 95%	5%
27	34683-27	Garage	Grey Fire Door	Chrysotile 80%	80%		F	None Detected 0%	20%
28A	34683-28A	Garage Roof - Roof Main	Black Rolled Roof 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
28B	34683-28B	Garage Roof - Roof Main	Black Tar/Rolled Roof 2nd Layer	Chrysotile 2.1%	2.1%		NOB	Fiberglass 5%	92.9%
28C	34683-28C	Garage Roof - Roof Main	White/Black Rolled Roof 3rd Layer	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%
28D	34683-28D	Garage Roof - Roof Main	Black Tar/Rolled Roof 4th Layer	Chrysotile 15.6%	15.6%		NOB	None Detected 0%	84.4%

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Approved By: _____
J. DeNike Laboratory Director

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	513722
Address:	2011 East Main Street	**Job Location:**	72 Sixth Street	**Date Analyzed:**	8/27/2012
	Rochester, New York 14609	**Job Number:**	34683	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
12087275	34683-3	Residue	TR	N/A	TR	Chrysotile	17.7%	68.7%	13.6%			
12087276	34683-6A	Residue	NAD	N/A	NAD	NAD	49.8%	2.1%	48.1%			
12087277	34683-6B	Residue	NAD	N/A	NAD	NAD	49.0%	6.3%	44.7%			
12087278	34683-10A	Residue	NAD	N/A	NAD	NAD	30.4%	14.2%	55.4%			
12087279	34683-12	Residue	NAD	N/A	NAD	NAD	12.3%	68.9%	18.8%			
12087280	34683-14	Residue	NAD	N/A	NAD	NAD	40.1%	23.3%	36.6%			
12087281	34683-15	Residue	NAD	N/A	NAD	NAD	16.9%	77.9%	5.2%			
12087282	34683-17	Residue	1.9%	N/A	1.9%	Chrysotile	6.3%	90.5%	1.3%			
12087283	34683-18	Residue	NAD	N/A	NAD	NAD	20.2%	60.8%	19.0%			
12087284	34683-20	Residue	1.4%	N/A	1.4%	Chrysotile	89.2%	5.0%	4.3%			
12087285	34683-23A	Residue	NAD	N/A	NAD	NAD	24.6%	45.5%	29.9%			
12087286	34683-23B	Residue	NAD	N/A	NAD	NAD	75.3%	11.4%	13.3%			
12087287	34683-24A	Residue	NAD	N/A	NAD	NAD	21.2%	36.0%	42.8%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	513722
Address:	2011 East Main Street	**Job Location:**	72 Sixth Street	**Date Analyzed:**	8/27/2012
	Rochester, New York 14609	**Job Number:**	34683	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
12087288	34683-24B	Residue	NAD	N/A	NAD	NAD	84.1%	4.7%	11.2%			
12087289	34683-26B	Residue	NAD	N/A	NAD	NAD	96.5%	0.3%	3.2%			
12087290	34683-28A	Residue	TR	N/A	TR	Chrysotile	45.2%	11.8%	43.0%			
12087291	34683-28C	Residue	1.5%	N/A	1.5%	Chrysotile	55.7%	1.0%	41.7%			

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar

Analyst(s) Ang Cao / Robert Privette

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

NY ELAP (#10920) Accredited Laboratory

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Lozier
Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sampling Date: 8-16-12	Lab No.: 34683
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 72 SIXTH STREET ROCHESTER NY	
Contact:	Curt Colombo	Sampled By:	R. Arthurs
Phone #	Fax #	No. Samples:	46

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
1	34683 - 1	LIVING ROOM	WHITE	W-SPK			F	–	
2A	2A	LIVING ROOM	WHITE	WALL PLASTER		1	F	–	
2B	2B	LIVING ROOM	GREY	WALL PLASTER		2	F	–	
3	3	LIVING ROOM	BEIGE	WINDOW GLAZE			NCB	–	✓
4A	4A	DINING ROOM	WHITE	CEILING TEXTURE		1	F	–	
4B	4B	DINING ROOM	WHITE	C-SPK		2	F.	–	
5	5	DINING ROOM	WHITE	W-SPK			F ~~NCB~~	–	✓
6A	6A	BATHROOM	BROWN	SHOWER MASTIC		1	NCB	–	✓
6B	6B	BATHROOM	TAN	SHOWER MASTIC		2	NCB	–	✓
7	7	BATHROOM	GREY	CEILING PLASTER			F	–	

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Phone #	Fax #	No. Samples:	46

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
8A	34683-8A	KITCHEN	YELLOW / GOLD	SHEET VINYL		1	F	+	
8B	8B	KITCHEN	TAN / BLK	SHEET VINYL		2	NF	—	
9A	9A	KITCHEN	WHITE	CEILING TEXTURE		1	F	—	
9B	9B	KITCHEN	WHITE	CEILING PLASTER		2	F	—	
9C	9C	KITCHEN	GREY	CEILING PLASTER		3	F	—	
10A	10A	KITCHEN	TAN	WALL PANEL MASTIC		1	NCB	—	✓
10B	10B	KITCHEN	WHITE	WALL PLASTER		2	F	—	
10C	10C	KITCHEN	GREY	WALL PLASTER		3	F	—	
11A	11A	KITCHEN	BLK	WALL PANEL MASTIC		1	NCB	+	
11B	11B	KITCHEN	WHITE	W-SPK		2	NF	—	

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Contact:	Curt Colombo	Sampled By:	R. Arthurs
Phone #	Fax #	No. Samples:	46

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
12	34683-12	KITCHEN	BEIGE	WINDOW GLAZE			NOB	–	✓
13A	13A	KITCHEN	TAN / WHITE / BLUE	SHEET VINYL		1	F	+	
13B	13B	KITCHEN	BROWN	SHEET VINYL		2	NF	–	
14	14	BACK ENTRY	GREEN	9X9 FLOOR TILE			NOB	–	✓
15	15	BASEMENT	BEIGE / WHITE	WINDOW GLAZE			NOB	–	✓
16	16	STAIRS TO SECOND FLOOR	TAN	SHEET VINYL			NF	–	
17	17	ROOM 1	BEIGE	WINDOW GLAZE			NOB	–	CH 21 ✓
18	18	ROOM 1	BLK	STORM WINDOW CAULK			NOB	–	✓
19A	19A	ROOM 2	WHITE	CEILING PLASTER		1	F	–	
19B	19B	ROOM 2	GREY	CEILING PLASTER		2	F	–	

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Phone #	Fax #	No. Samples:	46

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
20	34683-20	ROOM 2	GREY / TAN SPECK	9X9 FLOOR TILE			NOB	–	CH 21 ✓
21	21	ROOM 2	WHITE	CHIMNEY COATING			F	–	
22A	22A	ROOM 3	WHITE	WALL PLASTER		1	F	–	
22B	22B	ROOM 3	GREY	WALL PLASTER		2	F	–	
23A	23A	HOUSE ROOF - ROOF MAIN	RED / TAN	SHINGLE		1	NOB	–	✓
23B	23B	HOUSE ROOF - ROOF MAIN	BLK	FELT		2	NOB	–	✓
24A	24A	HOUSE ROOF - ROOF MAIN	RED / TAN	SHINGLE		1	NOB	–	✓
24B	24B	HOUSE ROOF - ROOF MAIN	BLK	FELT		2	NOB	–	✓
25	25	ROOF EDGE	BLK	FLASHING			NOB	+	
26A	26A	GARAGE WALL	TAN	WALL VINYL		1	NF	–	

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Contact:	Curt Colombo	Sampled By:	R. Arthurs
Phone #	Fax #	No. Samples:	46

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
26B	34683-26B	GARAGE WALL	BLK	FELT		2	NOB	-	✓
27	27	GARAGE	GREY	FIRE DOOR			F	+	
28A	28A	GARAGE ROOF - ROOF MAIN	BLK	ROLLED ROOF		1	NOB	-	✓
28B	28B	GARAGE ROOF - ROOF MAIN	BLK	TAR / ROLLED ROOF		2	NOB	+	
28C	28C	GARAGE ROOF - ROOF MAIN	WHITE / BLK	ROLLED ROOF		3	NOB	-	CH ✓
28D	28D	GARAGE ROOF - ROOF MAIN	BLK	TAR / ROLLED ROOF		4	NOB	+	

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DATE: 8/21/12 TIME: 715

DATE: 8/21/12 TIME: 715

OWI (410) 347-2324 188203 210 REV. 6.08

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 513722

Mailing/Billing Information:
1. Client Name: Lozier Environmental Consulting, Inc.
2. Address 1: 2011 East Main Street
3. Address 2: Rochester, NY 14609
4. Address 3:
5. Phone #: (585) 654-9080 Fax #: (585) 654-9682

Submittal Information:
1. Job Name: city of Rochester
2. Job Location: 72 SIXTH ST
3. Job #: 34683 P.O. #:
4. Contact Person: Jeanne Dehlke @ phone # (585) 654-9080
5. Submitted by: T. Bush Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
☐ Immediate Date Due:	☒ 3 Day	☒ Include COC/Field Data Sheets with Report
☐ 24 Hours Time Due:	☐ Immediate	☒ Email: lozierenv@aol.com
Comments:	☐ Next Day	☐ Fax:
	☐ 2 Day	☐ Verbals:
	☐ 5 Day + Date Due: 8/28/12	
	☐ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)	

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 ____ (QTY)
- ☐ Fiberglass ____ (QTY)

TEM Air – Please Indicate Filter Type:
- ☐ AHERA ____ (QTY)
- ☐ NIOSH 7402 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate ____ (QTY)
- ☐ EPA Point Count ____ (QTY)
- ☐ NY State Friable 198.1 ____ (QTY)
- ☐ Grav. Reduction ELAP 198.6 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

MISC
- ☐ Vermiculite
- ☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

TEM Bulk
- ☐ ELAP 198.4/ChatfieldS ____ (QTY)
- ☐ NY State PLM/TEM ____ (QTY)
- ☒ Residual Ash 12 (QTY)

TEM Dust
- ☐ Qual. (pres/abs) Vacuum/Dust ____ (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 ____ (QTY)
- ☐ Quan. (s/area)Dust D6480-99 ____ (QTY)

TEM Water
- ☐ Qual. (pres/abs) ____ (QTY)
- ☐ ELAP 198.2/EPA 100.2 ____ (QTY)
- ☐ EPA 100.1 ____ (QTY)

☒ All samples received in good condition unless otherwise noted.
(TEM Water samples ____ °C)

Metals Analysis
- ☐ Pb Paint Chip ____ (QTY)
- ☐ Pb Dust Wipe (wipe type ____) ____ (QTY)
- ☐ Pb Air ____ (QTY)
- ☐ Pb Soil/Solid ____ (QTY)
- ☐ Pb TCLP ____ (QTY)
- ☐ Drinking Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Waste Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Pb Furnace (Media ____) ____ (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples: ____
Collection Media ____
- ☐ Spore-Trap ____ (QTY)
- ☐ Surface Swab ____ (QTY)
- ☐ Surface Tape ____ (QTY)
- ☐ Other (Specify ____) ____ (QTY)
- ☐ Surface Vacuum Dust ____ (QTY)
- ☐ Culturable ID Genus (Media ____) ____ (QTY)
- ☐ Culturable ID Species (Media ____) ____ (QTY)

SAMPLE INFORMATION					ANALYSIS							MATRIX					CLIENT CONTACT (LABORATORY STAFF ONLY)
CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WIPE AND OTHER	SPORE TRAP	TAPE	SWAB	
					X						X						Date/Time: Contact: By:
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: 8/23/12 @ 1400 Via: FEDEX By (Print): ARM Sign:
2. Date/Time Analyzed: 8/27/12 @ 1340 By (Print): Sign:
3. Results Reported To: Lozier Via: Email Date: 8/27/12 Time: 1600 Initials:
4. Comments:

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434
LICENSE NUMBER: 29997
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/17/2012
EXPIRATION DATE: 05/31/2013

Duly Authorized Representative – Ronald A Arthurs

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

STATE OF NEW YORK DEPARTMENT OF LABOR

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 11770

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Serial No.: 46501

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 10920

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

	ASTM E-1979-04
	EPA 600/R-93/200

Serial No.: 46674

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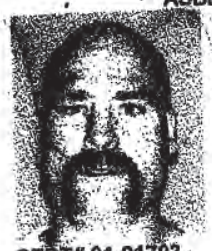
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RON A ARTHURS
CLASS(EXPIRES)
C ATEC(07/13) D INSP(07/13)
H PM (07/13)

CERT# 91-01793
DMV# 107698477
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

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ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANGELA MITCHELL
CLASS(EXPIRES)
D INSP(08/13)

CERT# 05-07912
DMV# 526446604
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

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ALBANY NY 12240

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LONNIE FLINDNER
CLASS(EXPIRES)
C ATEC(08/12) D INSP(08/12)
H PM (08/12)

CERT# 97-13919
DMV# 202917970
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR GRY
HGT 5' 09"

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LESTER J NOTTLER
CLASS(EXPIRES)
C ATEC(04/13) D INSP(04/13)
H PM (04/13)

CERT# 06-12599
DMV# 950405445
MUST BE CARRIED ON ASBESTOS PROJECTS

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HAIR BRO
HGT 5' 10"

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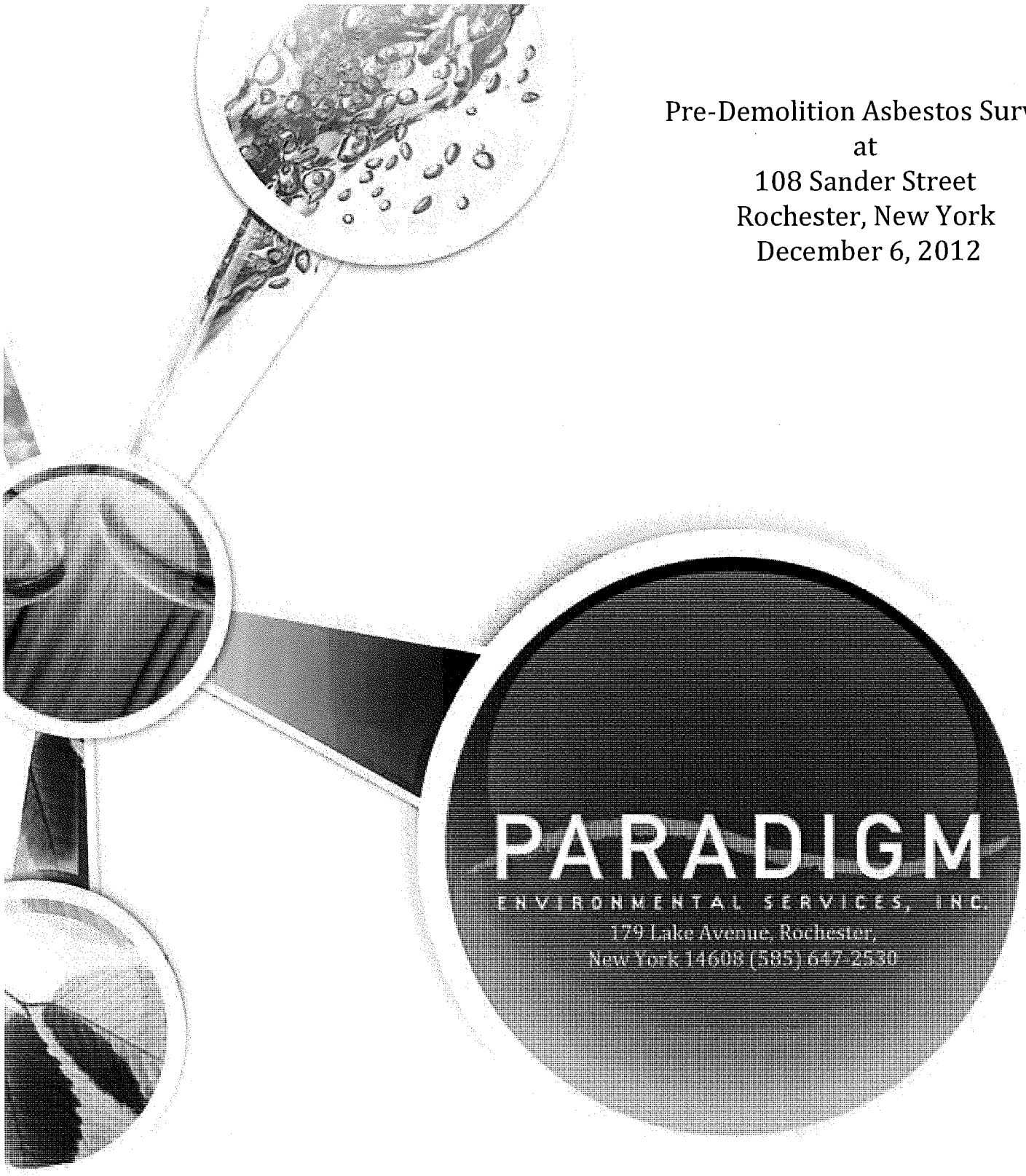
ALBANY NY 12240



Pre-Demolition Asbestos Survey
at
108 Sander Street
Rochester, New York
December 6, 2012

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-1105

108 SANDER STREET
ROCHESTER, NEW YORK

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CERTIFICATIONS

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-1105

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **December 6, 2012** to conduct an inspection for the detection of asbestos containing materials located at **108 Sander Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Chris Enright (AH#06-08603) and Josh Scheuermann (AH#10-00221) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **108 Sander Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **108 Sander Street, Rochester, New York** on **December 6, 2012.** A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.

- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.

- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	***Sample #'s taken in Room***	***Positive Sample ID #***	***Positive Material Description***	***Location of Material***	***Condition***	***Friable Non-Friable NOB***	***Type of Material***	***SQ FT***	***Lin FT***	***Units***

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
108 Sander Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
WPL-006	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-007	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-008	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-009	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
MAS-014	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-015	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SCT-016	Gray 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SCT-017	Gray 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
STC-024	White Stucco	None Detected	Not Required	Non-Friable
STC-025	White Stucco	None Detected	Not Required	Non-Friable
CRM-026	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	Anthophyllite 1.4%	NOB
CRM-027	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	Anthophyllite 1.3%	NOB
WPL-028	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-029	Gray Wall Plaster	None Detected	Not Required	Non-Friable
DWL-030	Gray Drywall	None Detected	Not Required	Non-Friable
ACT-031	Tan 1'x1' Adhered Ceiling Tile	<1.0% Residue Remaining PLM/TEM Not Required	N/A	Friable
CPL-032	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-033	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
SPK-034	White Spackle	None Detected	Not Required	Non-Friable
ACT-035	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SPK-036	White Spackle	None Detected	Not Required	Non-Friable
WPL-039	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-040	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-041	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-042	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WAC-051	Black Wall Caulk	Chrysotile 18%	Not Required	NOB
WAC-052	Black Wall Caulk	Chrysotile 10%	Not Required	NOB
Flooring Materials				
FT1-004	Red 12"x12" Floor Tile	Chrysotile 7.4%	Not Required	NOB
FT1-005	Red 12"x12" Floor Tile	Chrysotile 5.7%	Not Required	NOB
FT9-010	Green 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-011	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-012	Green 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-013	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-018	White/Gray Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-019	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-020	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

MATERIALS TESTED
108 Sander Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
WPL-006	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-007	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-008	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-009	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
MAS-014	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-015	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SCT-016	Gray 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SCT-017	Gray 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
STC-024	White Stucco	None Detected	Not Required	Non-Friable
STC-025	White Stucco	None Detected	Not Required	Non-Friable
CRM-026	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	Anthophyllite 1.4%	NOB
CRM-027	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	Anthophyllite 1.3%	NOB
WPL-028	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-029	Gray Wall Plaster	None Detected	Not Required	Non-Friable
DWL-030	Gray Drywall	None Detected	Not Required	Non-Friable
ACT-031	Tan 1'x1' Adhered Ceiling Tile	<1.0% Residue Remaining PLM/TEM Not Required	N/A	Friable
CPL-032	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-033	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
SPK-034	White Spackle	None Detected	Not Required	Non-Friable
ACT-035	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SPK-036	White Spackle	None Detected	Not Required	Non-Friable
WPL-039	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-040	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-041	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-042	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WAC-051	Black Wall Caulk	Chrysotile 18%	Not Required	NOB
WAC-052	Black Wall Caulk	Chrysotile 10%	Not Required	NOB
Flooring Materials				
FT1-004	Red 12"x12" Floor Tile	Chrysotile 7.4%	Not Required	NOB
FT1-005	Red 12"x12" Floor Tile	Chrysotile 5.7%	Not Required	NOB
FT9-010	Green 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-011	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-012	Green 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-013	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-018	White/Gray Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-019	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-020	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

MATERIALS TESTED
108 Sander Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
SVL-021	White/Gray Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVM-022	Tan Sheet Vinyl Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-023	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-037	Tan/Black Linoleum	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-038	Tan/Black Linoleum	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-043	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-044	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-045	Brown/Black Linoleum	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-046	Brown/Black Linoleum	Inconclusive No Asbestos Detected	None Detected	NOB
LIN-047	Black Linoleum	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
LIN-048	Black Linoleum	Inconclusive No Asbestos Detected	None Detected	NOB
Thermal Systems Insulation				
DIT-001	Gray Duct Insulation Tape	Chrysotile 40%	Not Required	Friable
DIT-002	Gray Duct Insulation Tape	Chrysotile 50%	Not Required	Friable
DIT-003	Gray Duct Insulation Tape	Chrysotile 40%	Not Required	Friable
Window Caulk and Glaze				
WIG-049	White Window Glaze	Inconclusive No Asbestos Detected	Anthophllite 1.2%	NOB
WIG-050	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	NOB
Roofing Materials				
ROS-053	Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-054	Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-055	Brown Tar Paper	Trace Chrysotile	Not Required	Friable
TRP-056	Brown Tar Paper	Trace Chrysotile	Not Required	Friable
RTR-057	Black Roofing Cement/Tar	Chrysotile 17%	Not Required	NOB
RTR-058	Black Roofing Cement/Tar	Chrysotile 41%	Not Required	NOB
ROS-059	White/Green/Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-060	Red/Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-061	White/Green/Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-062	Red/Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
108 Sander Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
BASEMENT										
Basement	001-009	DIT-001, 002, 003 FT1-004, 005	Gray Duct Insulation Tape Red 12"x12" Floor Tile	On Ductwork Stairwell Landing and Tread	Fair Fair	Friable NOB	TSI Misc	 15	60	
FIRST FLOOR										
1 Kitchen 168 square feet	010-017	None	No Asbestos Detected					0	0	0
2 Closet 96 square feet	018-030	CRM-026, 027 DIT-001	Tan Ceramic Tile Mastic Gray Duct Insulation Tape	2 Shower Walls Duct Along Wall	Good Fair	NOB Friable	Misc TSI	30	 18	
3 Living Room 169 square feet	031-033	DIT-001	Gray Duct Insulation Tape	Inside Wall on Ductwork	Good	Friable	TSI		18	
4 Bedroom 100 square feet	034	None	No Asbestos Detected					0	0	0
5 Living Room 144 square feet	035	DIT-001	Gray Duct Insulation Tape	Around Vent	Good	Friable	TSI		4	
6 Bedroom 42 square feet	036	DIT-001	Gray Duct Insulation Tape	Around Vent	Good	Friable	TSI		4	
SECOND FLOOR										
7 Stairwell 54 square feet	None	None	No Asbestos Detected					0	0	0
8 Bedroom 120 square feet	037-042	DIT-001	Gray Duct Insulation Tape	Around Vent	Good	Friable	TSI		4	
9 64 square feet	043-044	None	No Asbestos Detected					0	0	0
10 Bedroom 140 square feet	045-046	None	No Asbestos Detected					0	0	0
11 Bedroom 120 square feet	047-048	None	No Asbestos Detected					0	0	0
12 Bedroom 35 square feet	None	None	No Asbestos Detected					0	0	0

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-1105

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
108 Sander Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
				EXTERIOR						
Exterior	049-062	RTR-057, 058	Black Roofing Cement/ Tar	Along House and At Chimney	Good	NOB	Misc	60		
		WIG-049	White Window Glaze	Windows	Good	NOB	Misc		240	
		WAC-051, 052	Black Wall Caulk	Around Window and Door Frames	Good	NOB	Misc		225	
								105	573	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

***** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.***

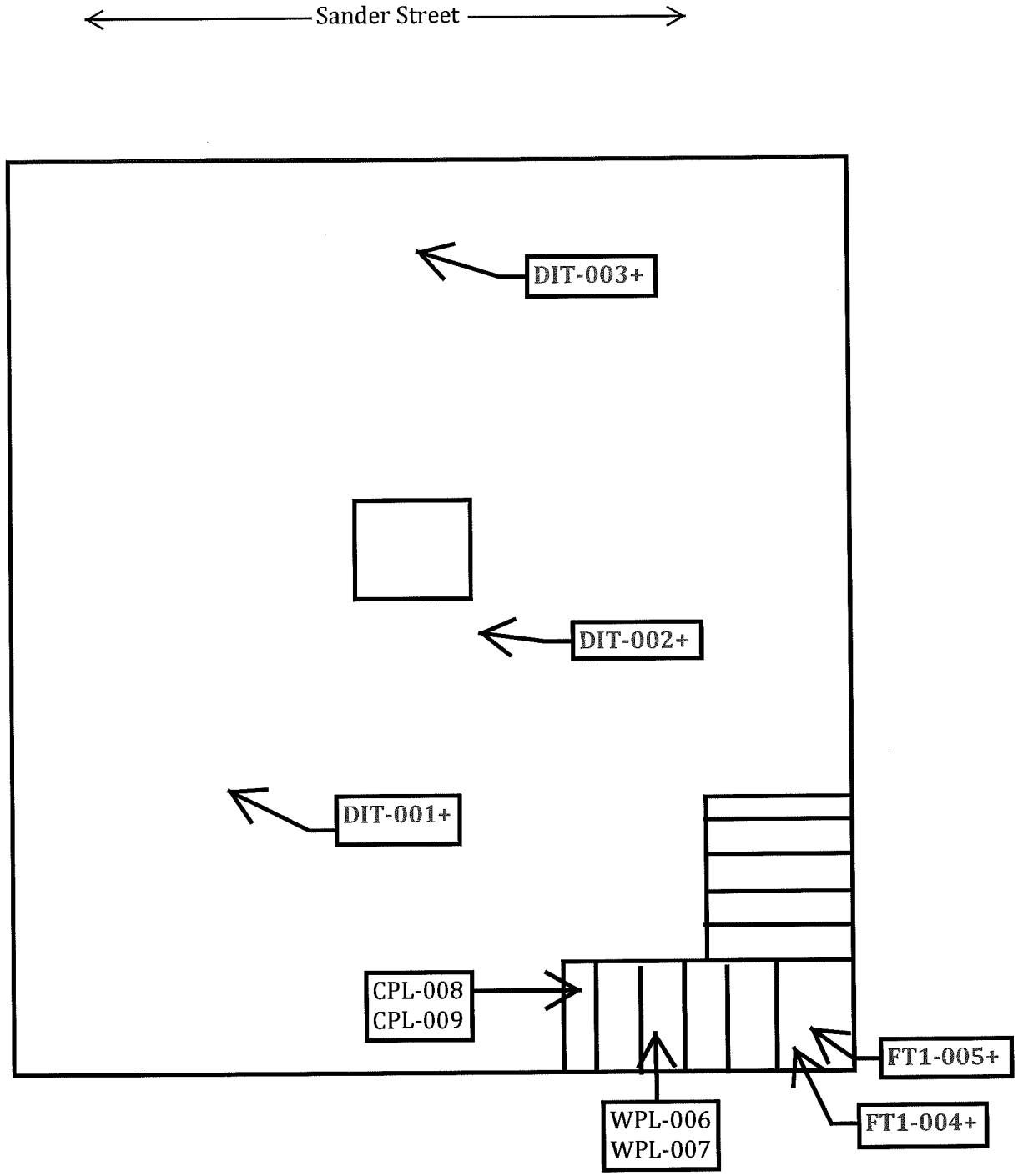
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

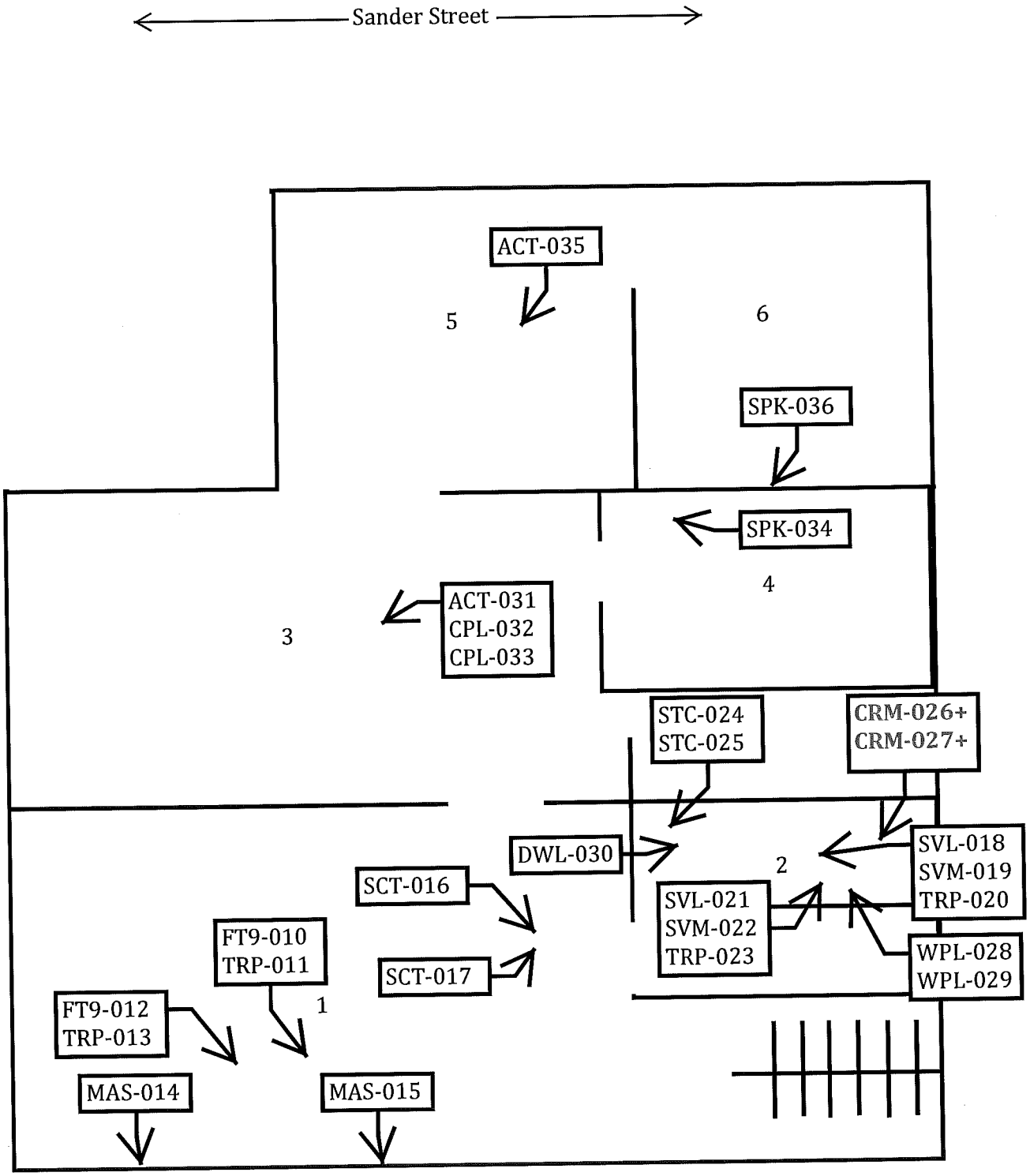
Paradigm certifies that this report regarding 108 Sander Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on December 6, 2012.

Chris Enright
Envoy Environmental Consultants, Inc.
Inspector # AH 06-08603

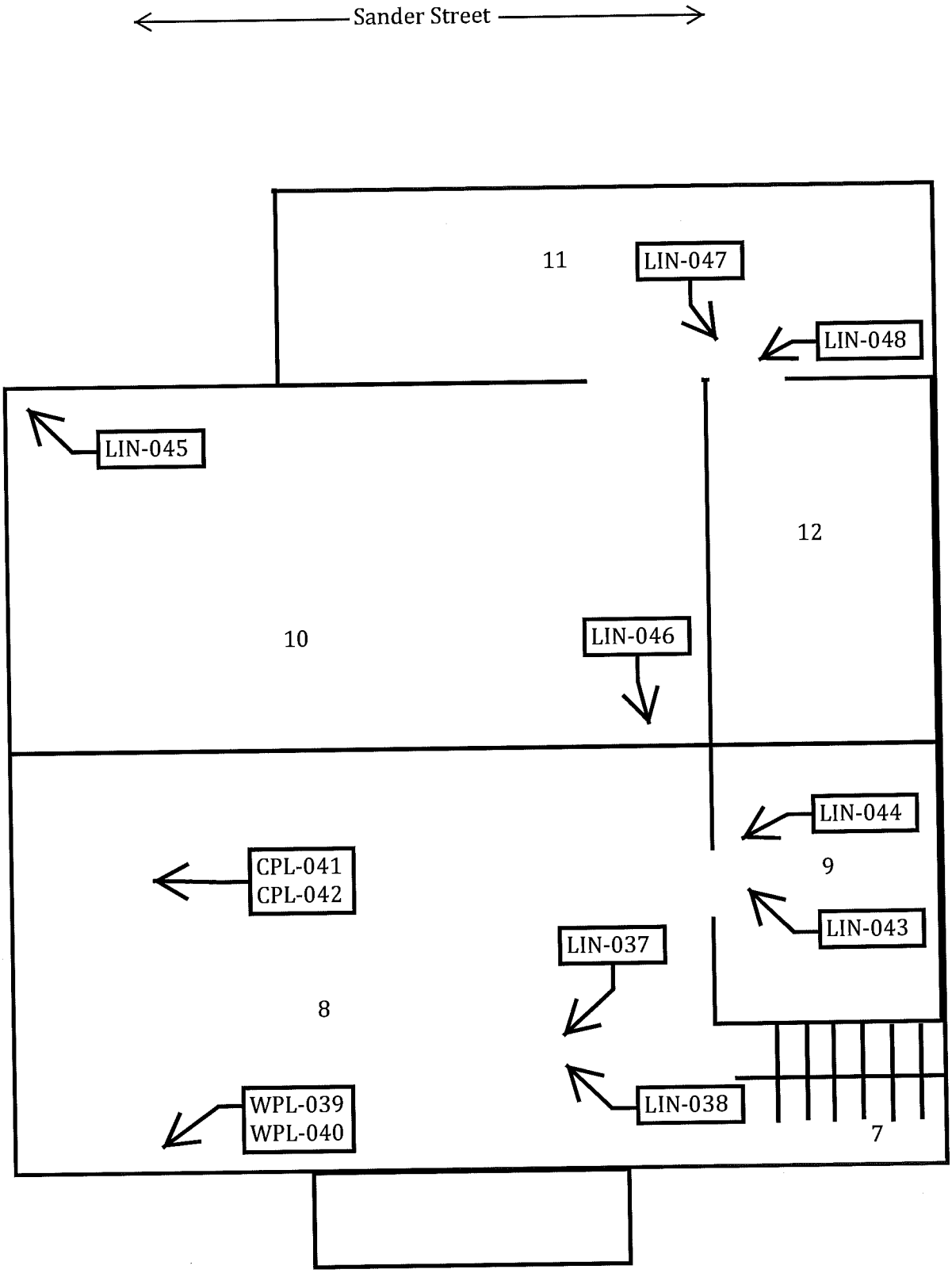
CLIENT: City of Rochester
LOCATION: 108 Sander Street, Rochester, New York
AREA: Basement
DATE: December 6, 2012
JOB NUMBER: 12-1105



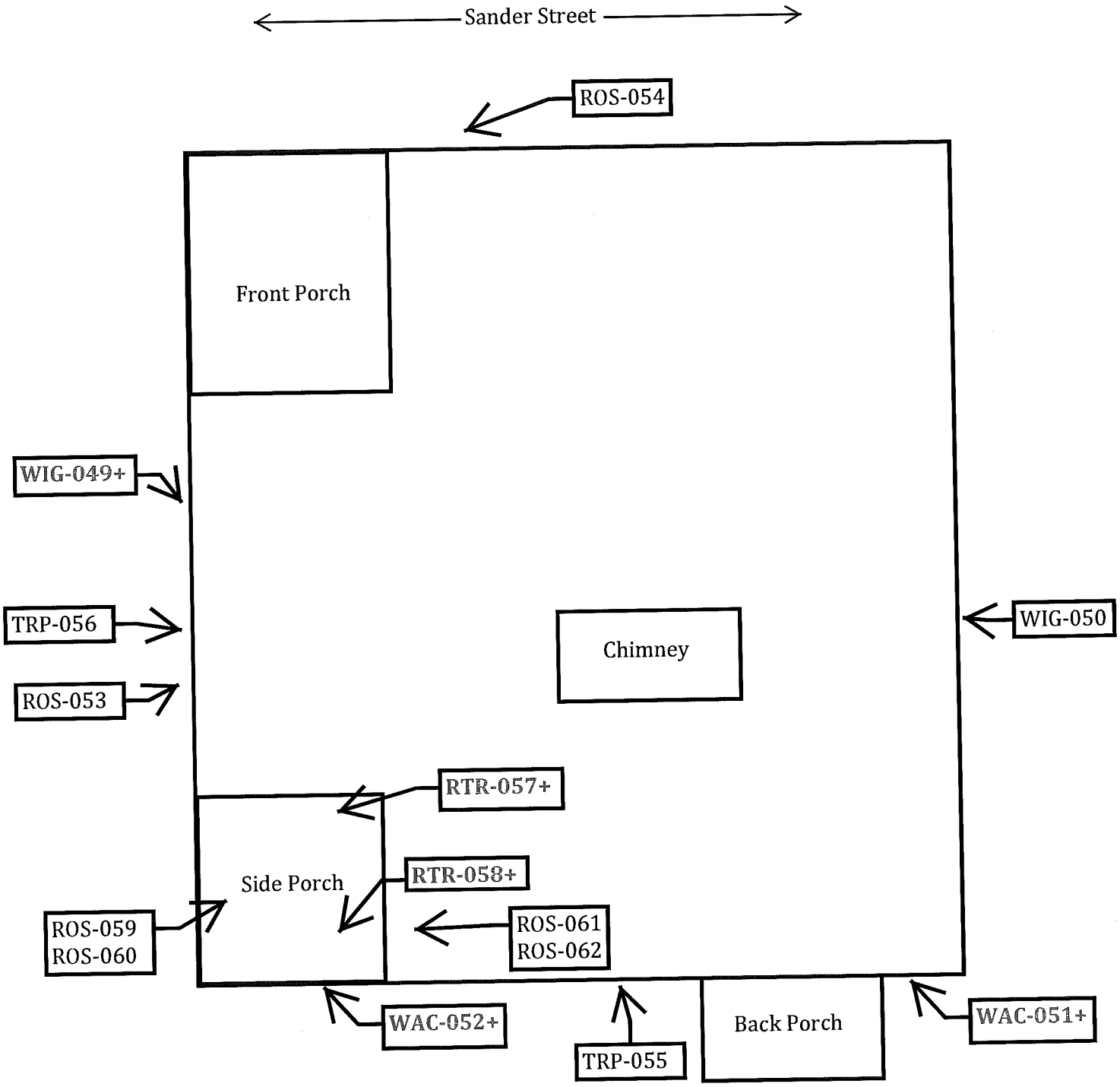
CLIENT: City of Rochester
LOCATION: 108 Sander Street, Rochester, New York
AREA: First Floor
DATE: December 6, 2012
JOB NUMBER: 12-1105



CLIENT: City of Rochester
LOCATION: 108 Sander Street, Rochester, New York
AREA: Second Floor
DATE: December 6, 2012
JOB NUMBER: 12-1105



CLIENT: City of Rochester
LOCATION: 108 Sander Street, Rochester, New York
AREA: Exterior
DATE: December 6, 2012
JOB NUMBER: 12-1105



PARADIGM ENVIRONMENTAL SERVICES, INC.

1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 108 Sander Street, Rochester, New York
Basement and First Floor

Job No: 3666-12B

Sample Date: 12/6/2012

Sample Received Date: 12/10/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DIT-001	31285	On Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 40%	40%		Not Required	N/A	Cellulose 30%	30%
DIT-002	31286	On Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 50%	50%		Not Required	N/A	Cellulose 30%	20%
DIT-003	31287	On Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 40%	40%		Not Required	N/A	Cellulose 30%	30%
FT1-004	31288	Basement Stairs, Landing and Tread	Red 12"x12" Floor Tile	Chrysotile 7.4%	7.4%	√	Not Required	N/A	None Detected	92.6%
FT1-005	31289	Basement Stairs, Landing and Tread	Red 12"x12" Floor Tile	Chrysotile 5.7%	5.7%	√	Not Required	N/A	None Detected	94.3%
WPL-006	31290	Stairwell Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-007	31291	Stairwell Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	31292	Stairwell Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-009	31293	Stairwell Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
FT9-010	31294	Room 1, Floor, Second Layer	Green 9"x9" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/13/2012
PLM Analyst: A. Maciejewski / M. McDonough
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 12/17/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. New York State Department of Health Environmental Laboratory Approval Program (ELAP) requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This Bulk report relates ONLY to the items tested as received by the lab. This report must not be used to claim product endorsement by NYS ELAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory or analysts' accuracy and precision) is available upon request.

PARADIGM ENVIRONMENTAL SERVICES, INC.

1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 108 Sander Street, Rochester, New York
First Floor

Job No: 3666-12B

Sample Date: 12/6/2012

Sample Received Date: 12/10/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
TRP-011	31295	Room 1, Floor, Second Layer	Black Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT9-012	31296	Room 1, Floor, Second Layer	Green 9"x9" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-013	31297	Room 1, Floor, Second Layer	Black Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-014	31298	Room 1, 4ft up Walls Behind Paneling	Brown Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-015	31299	Room 1, 4ft up Walls Behind Paneling	Brown Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SCT-016	31300	Room 1, Ceiling	Gray 2'x4' Suspended Ceiling Tile	Inconclusive. No Asbestos Detected	0%	#	None Detected	<1.0%	Fiberglass 5%	95%
SCT-017	31301	Room 1, Ceiling	Gray 2'x4' Suspended Ceiling Tile	Inconclusive. No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
SVL-018	31302	Floor, First Layer	White/Gray Sheet Vinyl	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 5%	95%
SVM-019	31303	Floor, First Layer	Tan Sheet Vinyl Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-020	31304	Floor, Second Layer	Black Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed:	12/13/2012	**TEM Date Analyzed:**	12/17/2012
PLM Analyst:	M. McDonough	**TEM Analyst:**	M. McDonough
Microscope:	*Olympus BH-2 #225026*	**Microscope:**	*Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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PARADIGM ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 108 Sander Street, Rochester, New York
First Floor

Job No: 3666-12B

Sample Date: 12/6/2012
Sample Received Date: 12/10/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-021	31305	Floor, First Layer	White/Gray Sheet Vinyl	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 5%	95%
SVM-022	31306	Floor, First Layer	Tan Sheet Vinyl Mastic	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-023	31307	Floor, Second Layer	Black Tar Paper	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
STC-024	31308	Walls	White Stucco	None Detected	0%		Not Required	N/A	None Detected	100%
STC-025	31309	Walls	White Stucco	None Detected	0%		Not Required	N/A	None Detected	100%
CRM-026	31310	Shower Walls	Tan Ceramic Tile Mastic	Inconclusive. No Asbestos Detected	0%	√	Anthophyllite 1.4%	1.4%	None Detected	100%
CRM-027	31311	Shower Walls	Tan Ceramic Tile Mastic	Inconclusive. No Asbestos Detected	0%	√	Anthophyllite 1.3%	1.3%	None Detected	100%
WPL-028	31312	Room 2, Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-029	31313	Room 2, Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
DWL-030	31314	Room 2, Ceiling	Gray Fibrous Drywall	None Detected	0%		Not Required	N/A	Cellulose 30%	70%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/13/2012
PLM Analyst: M. McDonough
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 12/17/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 108 Sander Street, Rochester, New York
First and Second Floors

Job No: 3666-12B

Sample Date: 12/6/2012
Sample Received Date: 12/10/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
ACT-031	31315	Room 3, Ceiling	Tan 1'x1' Adhered Ceiling Tile	<1.0% Residue Remaining. PLM/TEM Not Required	N/A	#	N/A	N/A	N/A	N/A
CPL-032	31316	Room 3, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-033	31317	Room 3, Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
SPK-034	31318	Room 4, Ceiling	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
ACT-035	31319	Room 5, Ceiling	Tan 1'x1' Adhered Ceiling Tile	Inconclusive. No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
SPK-036	31320	Room 6, Half Wall	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
LIN-037	31321	Room 8, Floor Under Carpet	Tan/Black Linoleum	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
LIN-038	31322	Room 8, Floor Under Carpet	Tan/Black Linoleum	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WPL-039	31323	Room 8, Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-040	31324	Room 8, Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed:	12/13/2012	**TEM Date Analyzed:**	12/17/2012
PLM Analyst:	M. McDonough	**TEM Analyst:**	M. McDonough
Microscope:	*Olympus BH-2 #225026*	**Microscope:**	*Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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PARADIGM ENVIRONMENTAL SERVICES, INC.

1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 108 Sander Street, Rochester, New York
Second Floor and Exterior

Job No: 3666-12B

Sample Date: 12/6/2012 **Sample Received Date:** 12/10/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CPL-041	31325	Room 8, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-042	31326	Room 8, Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
FT1-043	31327	Room 9, Floor	White 12"x12" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-044	31328	Room 9, Floor	White 12"x12" Floor Tile	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
LIN-045	31329	Room 10, Floor Under Carpet	Brown/Black Linoleum	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
LIN-046	31330	Room 10, Floor Under Carpet	Brown/Black Linoleum	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
LIN-047	31331	Floor Under Carpet	Black Linoleum	Inconclusive. No Asbestos Detected	0%	√	Trace Chrysotile	<1.0%	None Detected	100%
LIN-048	31332	Floor Under Carpet	Black Linoleum	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WIG-049	31333	Windows	White Window Glaze	Inconclusive. No Asbestos Detected	0%	√	Anthophyllite 1.2%	1.2%	None Detected	100%
WIG-050	31334	Windows	White Window Glaze	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

ELAP ID No.: 11955

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PLM Date Analyzed: 12/13/2012
PLM Analyst: M. McDonough
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 12/17/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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PARADIGM ENVIRONMENTAL SERVICES, INC.

1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 108 Sander Street, Rochester, New York
Exterior

Job No: 3666-12B

Sample Date: 12/6/2012

Sample Received Date: 12/10/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WAC-051	31335	Around Door Frame	Black Fibrous Wall Caulk	Chrysotile 18%	18%	√	Not Required	N/A	None Detected	82%
WAC-052	31336	Around Window Frame	Black Fibrous Wall Caulk	Chrysotile 10%	10%	√	Not Required	N/A	None Detected	90%
ROS-053	31337	Sides of House	Black Roof Shingle	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-054	31338	Sides of House	Black Roof Shingle	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-055	31339	Under Wood Siding	Brown Tar Paper	Trace Chrysotile	<1.0%		Not Required	N/A	None Detected	100%
TRP-056	31340	Under Wood Siding	Brown Tar Paper	Trace Chrysotile	<1.0%		Not Required	N/A	None Detected	100%
RTR-057	31341	Along House	Black Fibrous Roofing Cement/Tar	Chrysotile 17%	17%	√	Not Required	N/A	None Detected	83%
RTR-058	31342	Along House	Black Fibrous Roofing Cement/Tar	Chrysotile 41%	41%	√	Not Required	N/A	None Detected	59%
ROS-059	31343	First Layer	White/Green/ Black Roof Shingle	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-060	31344	Second Layer	Red/Black Roof Shingle	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

ELAP ID No.: 11955

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PLM Date Analyzed:	12/13/2012	**TEM Date Analyzed:**	12/17/2012
PLM Analyst:	M. McDonough	**TEM Analyst:**	M. McDonough
Microscope:	*Olympus BH-2 #225026*	**Microscope:**	*Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 108 Sander Street, Rochester, New York
Exterior - Roof

Job No: 3666-12B

Sample Date: 12/6/2012

Sample Received Date: 12/10/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
ROS-061	31345	First Layer	White/Green/ Black Roof Shingle	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-062	31346	Second Layer	Red/Black Roof Shingle	Inconclusive. No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

ELAP ID No.: 11955

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PLM Date Analyzed: 12/13/2012
PLM Analyst: M. McDonough
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 12/17/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]	
Client Mailing Address: 30 Church St	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 1 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: Basement

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT - 001	31285	on ductwork		GRY		DIT	F
2	DIT - 002	86	"		"		"	"
3	DIT - 003	87	"		"		"	"
4	FTI - 004	88	basement stairs, landing + tread		RED	12x12	FTI	NF
5	FTI - 005	89	"		"	"	"	"
6	WPL - 006	90	Stairwell walls	Paint	WHT		WPL	"
7	WPL - 007	91	"		GRY		"	"
8	CPL - 008	92	Stairwell Ceiling	Paint	WHT		CPL	"
9	CPL - 009	93	"		GRY		"	"
10								

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: [signature]	Date: 12/10/12 4pm	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Client Mailing Address: 30 Church St Rochester NY 14614	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 2 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FT9 - 010	31294	Rm 1, Floor, 2nd layer		GRN	9x9	FT9	NF
2	TRP - 011	95	"		BLK		TRP	"
3	FT9 - 012	96	"		GRN	9x9	FT9	"
4	TRP - 013	97	"		BLK		TRP	"
5	MAS - 014	98	Rm 1, 4ft up walls behind paneling	Paint	BRN		MAS	"
6	MAS - 015	99	"	"	"		"	"
7	SCT - 016	31300	Rm 1, Ceiling	"	GRY	2x4	SCT	F
8	SCT - 017	01	"	"	"	"	"	"
9								
10								

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	[X]
Received By: [signature]	Date: 12/10/12 4pm	or provide TEM contact name:	
		TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Client Mailing Address: 30 Church St, Rochester NY 14614	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 3 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: 1st Floor Room 2

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL-018	31302	Floor, 1st layer		WHT/GRY		SVL	NF
2	SVM-019	03	" " "		TAN		SVM	"
3	TRP-020	04	" 2nd "		BLK		TRP	"
4	SVL-021	05	" 1st "		WHT/GRY		SVL	"
5	SVM-022	06	" " "		TAN		SVM	"
6	TRP-023	07	" 2nd "		BLK		TRP	"
7	STC-024	08	Walls	Paint	WHT		STC	"
8	STC-025	09	"		"		"	"
9	CRM-026	10	Shower walls		TAN		CRM	"
10	CRM-027	11		Paint	"		"	"

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: [signature]	Date: 12/10/12 4pm	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]	
Client Mailing Address: 30 Church St	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 4 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WPL - 028	31312	Rm 2, walls	Paint	WHT		WPL	NF
2	WPL - 029	13	"		GRY		"	"
3	DWL - 030	14	Rm 2, Ceiling		GRY		DWL	"
4	ACT - 031	15	Rm 3, Ceiling		TAN	1x1	ACT	F
5	CPL - 032	16	"		WHT		CPL	NF
6	CPL - 033	17	"		GRY		"	"
7	SPK - 034	18	Rm 4, Ceiling	Paint	WHT		SPK	"
8	ACT - 035	19	Rm 5, Ceiling	"	TAN	1x1	ACT	F
9	SPK - 036	20	Rm 6, 1/2 wall		WHT		SPK	NF
10								

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: [signature]	Date: 12/10/12 4pM	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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Client: City of Rochester	Contact: Curt Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]	
Client Mailing Address: 30 Church St	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 5 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: 2nd Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	LIN-037	31321	Rm 8, Floor under carpet		TAN/BIK		LIN	NF
2	LIN-038	22	"		"		"	"
3	WPL-039	23	Rm 8, Walls	Paint	WHT		WPL	"
4	WPL-040	24	"		GRY		"	"
5	CPL-041	25	Rm 8, Ceiling	Paint	WHT		CPL	"
6	CPL-042	26	"		GRY		"	"
7	FTI-043	27	Rm 9, Floor		WHT	12x12	FTI	"
8	FTI-044	28	"		"	"	"	"
9	LIN-045	29	Rm 10, Floor under carpet		BRN/BIK		LIN	"
10	LIN-046	30	"		"		"	"

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: [signature]	Date: 12/10/12 4pM	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Client Mailing Address: 30 Church St Rochester NY 14614	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 6 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: 2nd Floor, Room 11

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	LIN-047	31331	Floor under carpet		Blk		LIN	NF
2	LIN-048	1 32	"		"		"	"
3								
4								
5								
6								
7								
8								
9								
10								

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: [signature]	Date: 12/10/12 4pm	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Client Mailing Address: 30 Church St Rochester NY 14614	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 7 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: Exterior

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WI6-049	31333	windows	Paint	WHT		WI6	NF
2	WI6-050	34	"	"	"		"	"
3	WAC-051	35	around door frame		Blk		WAC	"
4	WAC-052	36	around window frame	Paint	"		"	"
5	ROS-053	37	Sides of house	Fiberboard			ROS	"
6	ROS-054	38	"				"	"
7	TRP-055	39	under wood siding		BRN		TRP	"
8	TRP-056	40	"		"		"	"
9	RTR-057	41	along house		Blk		RTR	"
10	RTR-058	42	"		"		"	"

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: [signature]	Date: 12/10/12 4PM	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 62

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]	
Client Mailing Address: 30 Church St	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 12/6/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 108 Sander St	Project Number: 12/1105

OFFICE USE ONLY

Job #: 3666-12B

Page 8 of 8

Date Logged In: 12/10/12

Logged In By: AM

General Location: Exterior - Roof

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	ROS-059	31343	1st layer		WHT/GRN/BLK		ROS	N.F.
2	ROS-060	44	2nd "		RED/BLK		"	"
3	ROS-061	45	1st "		WHT/GRN/BLK		"	"
4	ROS-062	46	2nd "		RED/BLK		"	"
5								
6								
7								
8								
9								
10								

Sampled By: CE/JS	Date: 12/6/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 12/6/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: [signature]	Date: 12/10/12 4pM	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 62

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative -- Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ERIC FISCHER
PARADIGM ENVIRONMENTAL SERVICES
1815 LOVE ROAD
GRAND ISLAND, NY 14072

NY Lab Id No: 11955

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

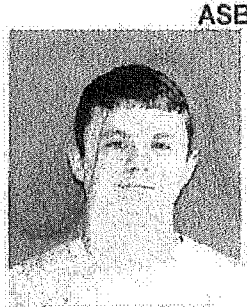
Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 46897

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



CHRISTOPHER R ENRIGHT
CLASS(EXPIRES)
C ATEC(01/13) D INSP(01/13)
H PM (01/13)

DEPARTMENT OF LABOR

CERT# 06-08603
DMV# 584150912

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JOSHUA R SCHEUERMANN
CLASS(EXPIRES)
C ATEC(10/13) D INSP(10/13)
H PM (10/13)

DEPARTMENT OF LABOR

CERT# 10-00221
DMV# 358570242

MUST BE CARRIED ON ASBESTOS PROJECTS

PRE-DEMOLITION ASBESTOS SURVEY

239 AVENUE A
ROCHESTER, NEW YORK

PREPARED FOR:

CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614

April 13, 2012

Lozier
Environmental Consulting, Inc.

Prepared By: Angela Liddell

CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

Introduction

- Asbestos Survey
- Regulatory Review

Limitations

Conclusions

- Asbestos Containing Materials – Locations by Space and Quantification

Drawings

- Sample Locations

Photographs

- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on March 29, 2012 at 239 Avenue A, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story home with a basement.

New York State Department of Labor certified inspector L. James Mottler conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
    a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
    b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 239 Avenue A, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Basement – Throughout	*Duct Seam Tape, Duct Wrap Insulation, and Duct Boot Insulation	Good	Friable	95 Square Feet
	*Flue Patch	Good	Friable	3 Square Feet
Basement - Boiler	White Expansion Joint	Good	Friable	14 Square Feet
	Grey Boiler Mud – External	Good	Friable	2 Square Feet
	Tan Interior Boiler Mud	Good	Friable	1 Square Foot
	*Boiler Gasket	Good	Friable	2 Square Feet
Basement to 2nd Floor	*Duct Wrap Insulation on 3 risers running from basement to 2nd floor	Good	Friable	90 Square Feet

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Front Entry	Beige 12"x12" Floor Tile over Grey 12"x12" Floor Tile and Black 12"x12" Floor Tile (Side by Sides)	Good	NOB	98 Square Feet
Bedroom 1	*Duct Wrap Insulation	Good	Friable	3 Square Feet
Bathroom 1	White Floor Tile over Grey Floor Tile (Under Wood Sub-Floor)	Good	NOB	36 Square Feet

SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen 2	Black Sink Mastic	Good	NOB	8 Square Feet
Living Room 2	*Duct Wrap Insulation	Good	Friable	3 Square Feet
Bedroom 4	Tan 9"x9" Floor Tile over Black Floor Tile Mastic	Good	NOB	100 Square Feet
Bedroom 4 Closet	Tan 9"x9" Floor Tile over Black Floor Tile Mastic	Good	NOB	12 Square Feet
Bedroom 5	*Duct Wrap Insulation	Good	Friable	4 Square Feet

STAIRWELLS

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Stairwell to 2nd Floor – 1st Floor Landing	Faux Wood over Grey Floor Tile over Black Floor Tile	Good	NOB	16 Square Feet
Rear Stairwell – Landing	Tan 9"x9" Floor Tile over Black Floor Tile Mastic	Good	NOB	30 Square Feet

EXTERIOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	Tan Shingle Siding Caulk – located at all siding seams, and around the perimeter of each window and door	Fair	NOB	27 Square Feet

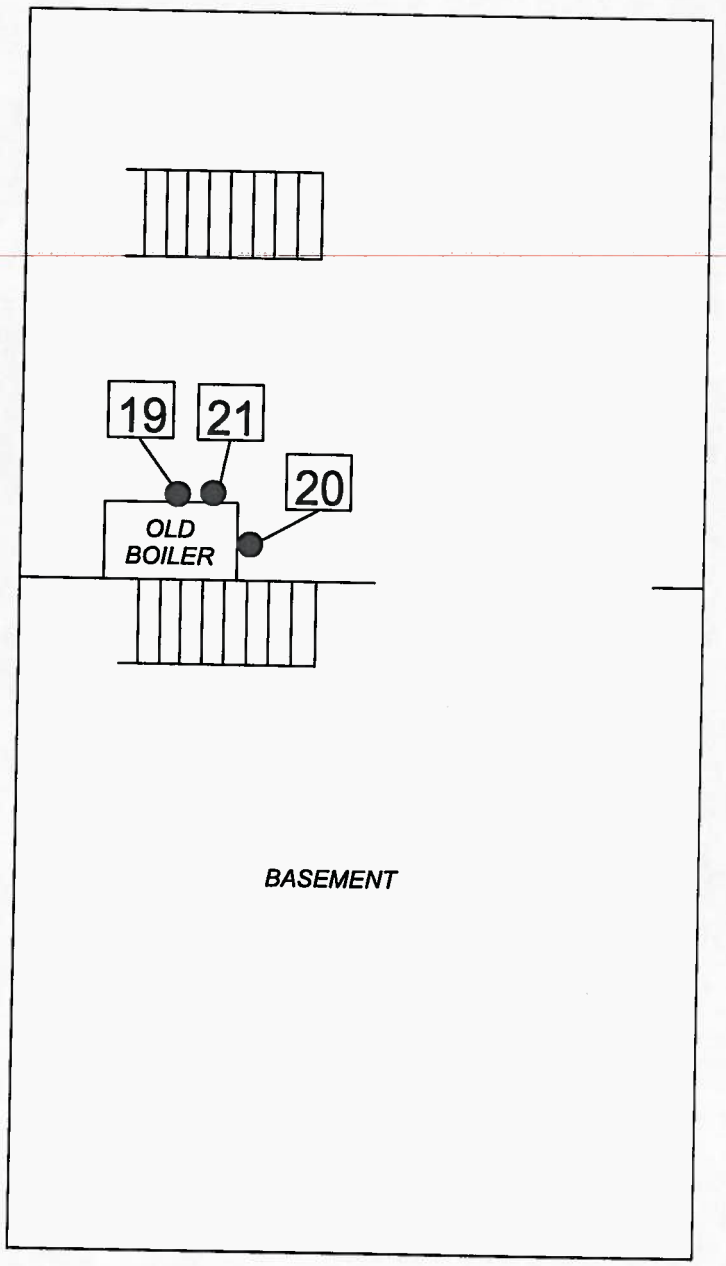
ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
House Roof Flashing – Throughout	Grey/Black Flashing on Chimneys (2) and Penetrations	Good	NOB	11 Square Feet

Notes:

- Condition: ***Good*** = No visible damage and/or very limited deterioration. ***Fair*** = visible damage or deterioration on less than 25% of the material. ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch, boiler gaskets, duct wrap insulation, duct seam tape, and duct boot insulation were not sampled and are presumed to be asbestos containing.

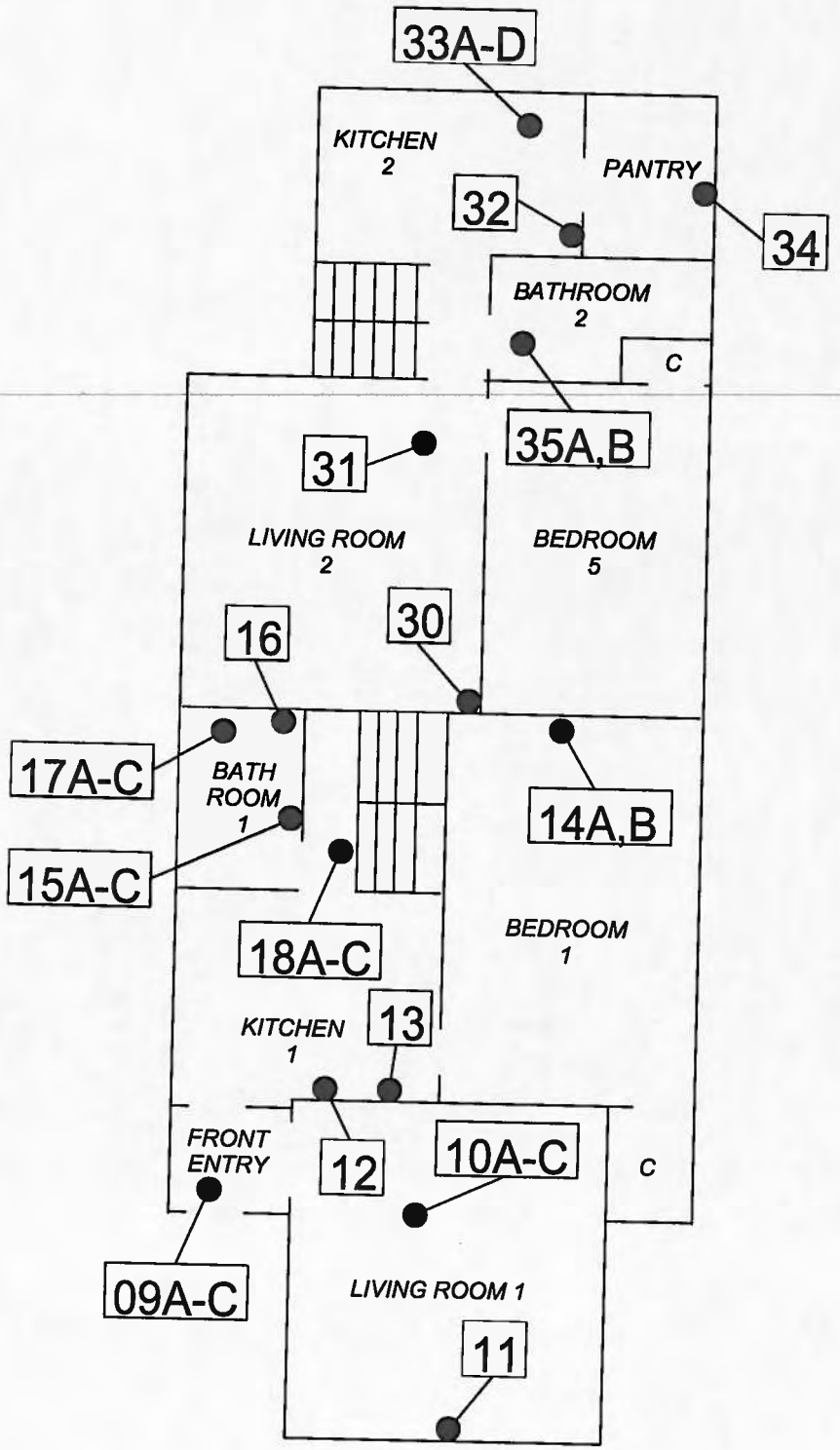
SAMPLE LOCATION DRAWINGS



PRE-DEMOLITION ASBESTOS SURVEY
BASEMENT
SAMPLE LOCATIONS

LOZIER ENVIRONMENTAL CONSULTING, INC. MARCH 29, 2012

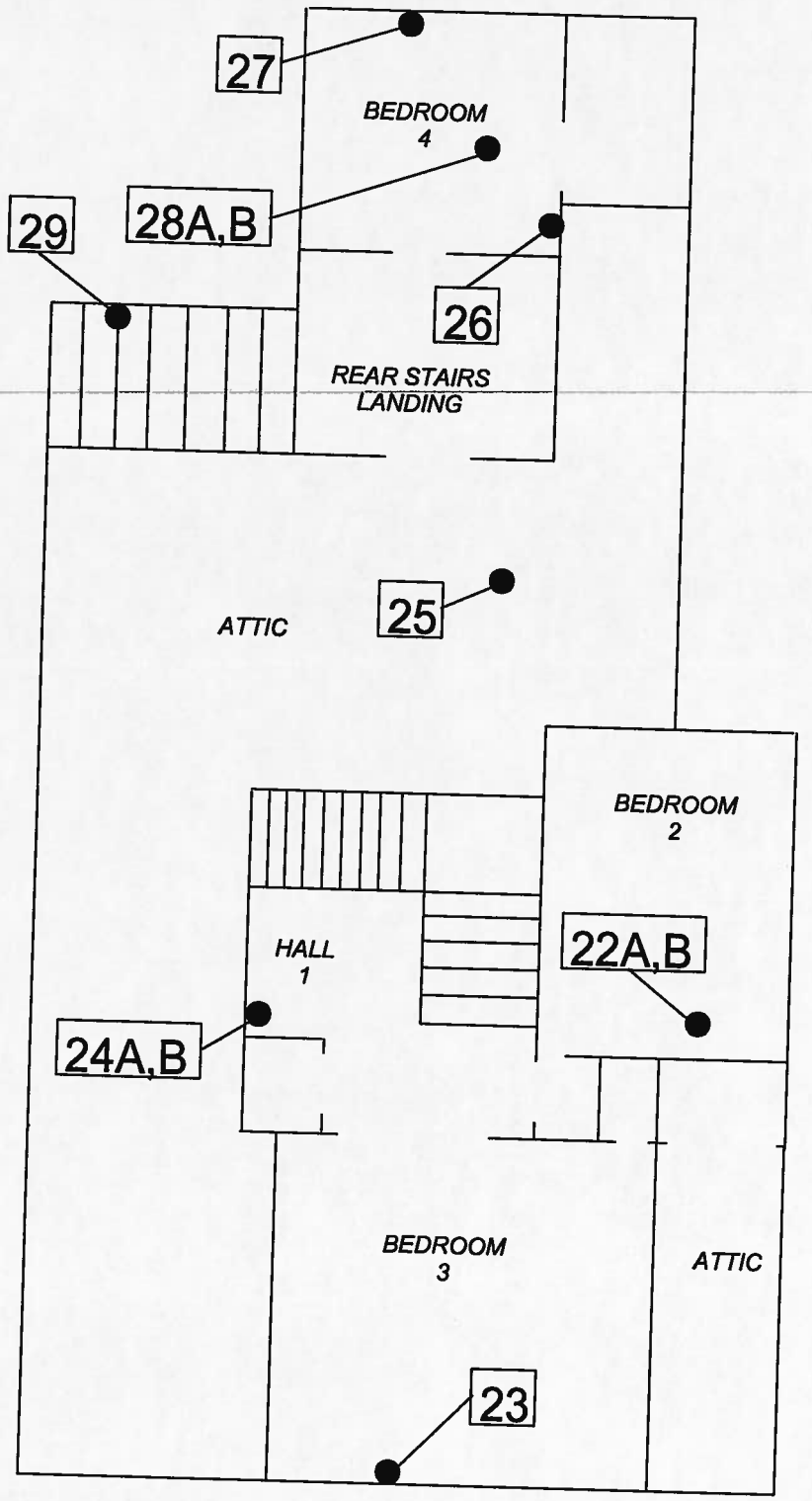
CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK



PRE-DEMOLITION ASBESTOS SURVEY
FIRST FLOOR
SAMPLE LOCATIONS

LOZIER ENVIRONMENTAL CONSULTING, INC. MARCH 29, 2012

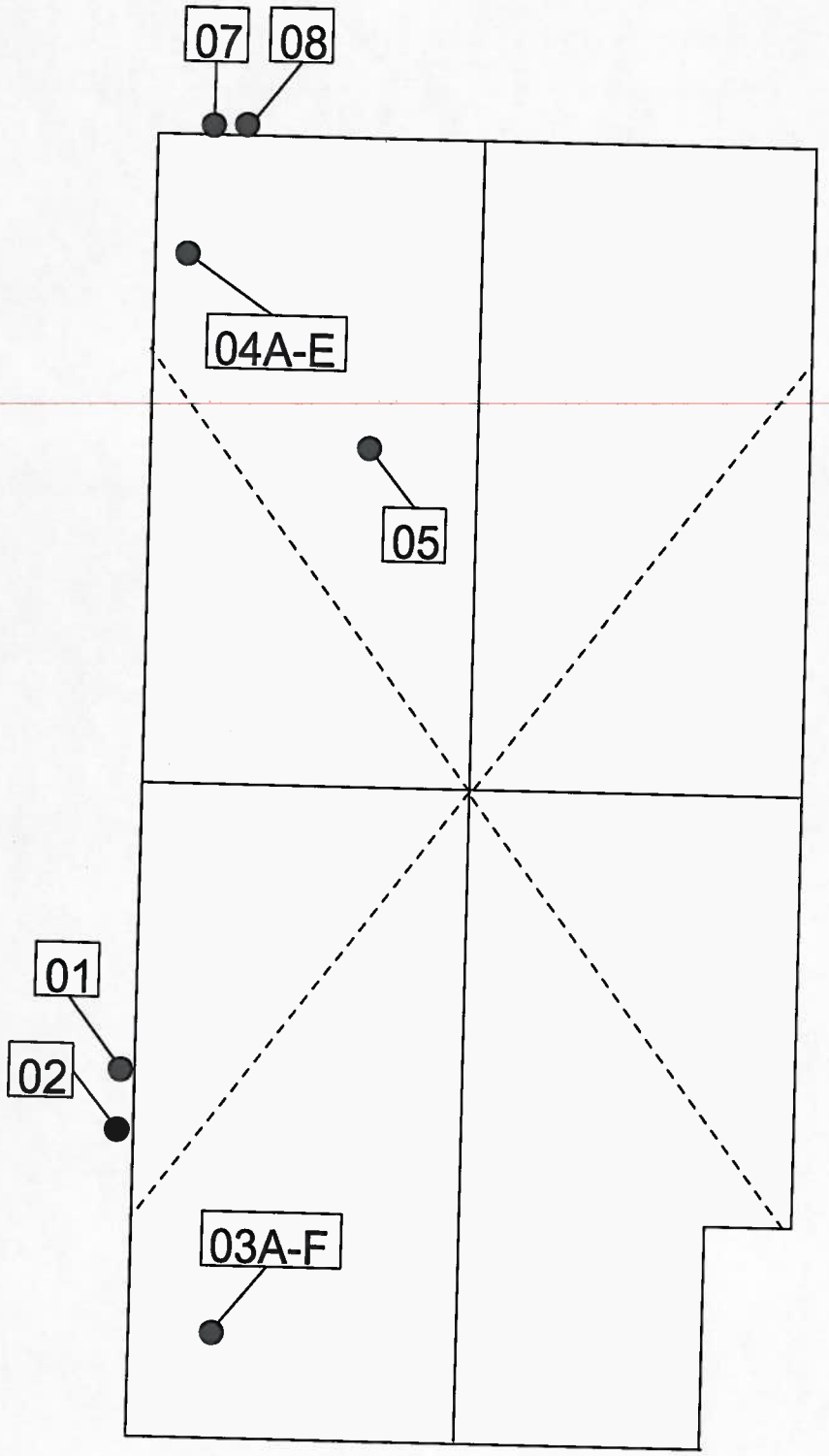
CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK



PRE-DEMOLITION ASBESTOS SURVEY
SECOND FLOOR
SAMPLE LOCATIONS

LOZIER ENVIRONMENTAL CONSULTING, INC. MARCH 29, 2012

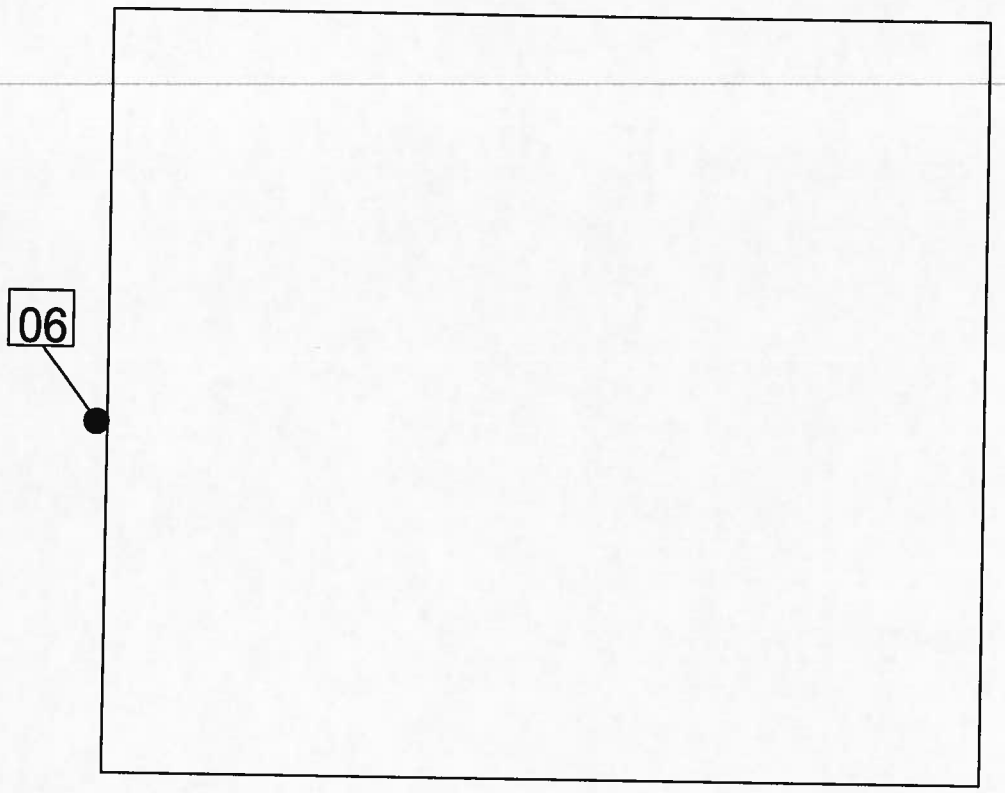
CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK



PRE-DEMOLITION ASBESTOS SURVEY
ROOF AND EXTERIOR
SAMPLE LOCATIONS

LOZIER ENVIRONMENTAL CONSULTING, INC. MARCH 29, 2012

CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK



PRE-DEMOLITION ASBESTOS SURVEY
GARAGE
SAMPLE LOCATIONS

LOZIER ENVIRONMENTAL CONSULTING, INC. MARCH 29, 2012

CITY OF ROCHESTER
239 AVENUE A
ROCHESTER, NEW YORK

PHOTOGRAPHS
OF
ASBESTOS CONTAINING SAMPLES

239 AVENUE A
ROCHESTER, NEW YORK

Figure 1: 239 Avenue A, Rochester, New York

Figure 2: Exterior - Sample No. 8: Tan Shingle Siding Caulk

239 AVENUE A
ROCHESTER, NEW YORK

Figure 3: Front Entry - Sample No. 9A, B-1, B-2: Beige 12"x12" Floor Tile over Grey 12"x12" Floor Tile and Black Floor Tile (Side by Sides)

Figure 4: Bathroom 1 - Sample No. 15AB: White Floor Tile over Grey Floor Tile (Under Wood Sub-Floor)

Figure 5: Bedroom 4 - Sample No. 28AB: Tan 9"x9" Floor Tile over Black Floor Tile Mastic

Figure 6: Stairwell to 2nd Floor – 1st Floor Landing - Sample No. 18AB: Faux Wood over Grey Floor Tile over Black Floor Tile

Figure 7: Basement Boiler - Sample No. 19 and 21: White Expansion Joint and Tan Interior Boiler Mud

Figure 8: Basement Boiler - Sample No. 20: Grey External Boiler Mud

LABORATORY ANALYTICAL RESULTS
AND
CHAINS OF CUSTODY

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 239 Avenue A, Rochester, New York

Laboratory No.: 33177
Date Received: 3/29/12
Report Date: 4/10/12
Analysis Date: 3/30/12
Page: 1 of 7

TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	3/29/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottler	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	63

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
1	33177-1	Exterior	Brown/Black Shingle Siding	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 36%	64%
2	33177-2	Exterior	Tan Shingle Siding Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
3A	33177-3A	Front Roof - Roof Main	Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 20%	80%
3B	33177-3B	Front Roof - Roof Main	Grey 90 Weight Roll Roofing 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 40%	60%
3C	33177-3C	Front Roof - Roof Main	Grey Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 37%	63%
3D	33177-3D	Front Roof - Roof Main	Blue/Grey Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 23%	77%
3E	33177-3E	Front Roof - Roof Main	Black Shingle 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 41%	59%
3F	33177-3F	Front Roof - Roof Main	Black 90 Weight Roll Roofing 6th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 47%	53%
4A	33177-4A	Rear Roof - Roof Main	Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 14%	86%
4B	33177-4B	Rear Roof - Roof Main	Black Ice and Water Guard 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 239 Avenue A, Rochester, New York

Laboratory No.: 33177
Date Received: 3/29/12
Report Date: 4/10/12
Analysis Date: 3/30/12

TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	3/29/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottier	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	63

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
4C	33177-4C	Rear Roof - Roof Main	Grey Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 44%	56%
4D	33177-4D	Rear Roof - Roof Main	Blue/Grey Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 26%	74%
4E	33177-4E	Rear Roof - Roof Main	Black 90 Weight Roll Roofing 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 50%	50%
5	33177-5	House Roof: Roof Edge Flashing	Grey/Black Flashing	Chrysotile 15.4%	15.4%		NOB	None Detected 0%	84.6%
6	33177-6	Garage	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
7	33177-7	Exterior	Brown/Tan Shingle Siding	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 33%	67%
8	33177-8	Exterior	Tan Shingle Siding Caulk	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%
9A	33177-9A	Front Entry	Beige 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 4%	96%
9B-1	33177-9B-1	Front Entry	Grey 12"x12" Floor Tile 1st Layer (Side by Side)	Chrysotile 1.9%	1.9%		NOB	None Detected 0%	98.1%
9B-2	33177-9B-2	Front Entry	Black Floor Tile 2nd Layer (Side by Side)	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
9C	33177-9C	Front Entry	Black Felt 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 80%	20%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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ELAP #11770

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Attn: Curt Colombo

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Report Date: 4/10/12
Analysis Date: 3/30/12
Page: 3 of 7

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SAMPLE INFORMATION

Sample Date:	3/29/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottler	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	63

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
10A	33177-10A	Living Room 1	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
10B	33177-10B	Living Room 1	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
10C	33177-10C	Living Room 1	Tan Drywall 3rd Layer	None Detected 0%	0%		F	Cellulose 5%	95%
11	33177-11	Living Room 1	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
12	33177-12	Kitchen 1	Tan Wall Panel Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
13	33177-13	Kitchen 1	White Wall Texture	None Detected 0%	0%		F	None Detected 0%	100%
14A	33177-14A	Bedroom 1	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
14B	33177-14B	Bedroom 1	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 6%	94%
15A	33177-15A	Bathroom 1	White Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
15B	33177-15B	Bathroom 1	Grey Floor Tile 2nd Layer	Chrysotile 5.7%	5.7%		NOB	None Detected 0%	94.3%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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Client: City of Rochester
30 Church Street
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Attn: Curt Colombo

Project Site: 239 Avenue A, Rochester, New York

Laboratory No.: 33177
Date Received: 3/29/12
Report Date: 4/10/12
Analysis Date: 3/30/12
Page: 4 of 7

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SAMPLE INFORMATION

Sample Date:	3/29/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottler	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	63

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
15C	33177-15C	Bathroom 1	Black Felt 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 70%	30%
16	33177-16	Bathroom 1	Tan Wall Panel/Tile Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
17A	33177-17A	Bathroom 1	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
17B	33177-17B	Bathroom 1	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
17C	33177-17C	Bathroom 1	Grey Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
18A	33177-18A	First Floor Landing	Grey Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
18B	33177-18B	First Floor Landing	Black Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
18C	33177-18C	First Floor Landing	Black Felt 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 80%	20%
19	33177-19	Basement	White Expansion Joint	Chrysotile 66.7%	66.7%		F	Cellulose 33%	0.3%
20	33177-20	Basement	Grey Boiler Mud	Chrysotile 80%	80%		F	None Detected 0%	20%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 239 Avenue A, Rochester, New York

Laboratory No.: 33177
Date Received: 3/29/12
Report Date: 4/10/12
Analysis Date: 3/30/12
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SAMPLE INFORMATION

Sample Date:	3/29/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottler	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	63

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
21	33177-21	Basement	Tan Interior Boiler Mud	Chrysotile 80%	80%		F	None Detected 0%	20%
22A	33177-22A	Bedroom 2	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
22B	33177-22B	Bedroom 2	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
23	33177-23	Bedroom 3	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
24A	33177-24A	Hall 1	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
24B	33177-24B	Hall 1	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
25	33177-25	Attic Space	Green/Black Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 70%	30%
26	33177-26	Bedroom 4	Grey Wall Plaster	None Detected 0%	0%		F	Cellulose 3%	97%
27	33177-27	Bedroom 4	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
28A	33177-28A	Bedroom 4	Tan 9"x9" Floor Tile 1st Layer	Chrysotile 12.2%	12.2%		NOB	None Detected 0%	87.8%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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J. DeNike Laboratory Director

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ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 239 Avenue A, Rochester, New York

Laboratory No.: 33177
Date Received: 3/29/12
Report Date: 4/10/12
Analysis Date: 3/30/12
Page: 6 of 7
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SAMPLE INFORMATION

Sample Date:	3/29/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottler	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	63

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
28B	33177-28B	Bedroom 4	Black Floor Tile Mastic 2nd Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%
29	33177-29	Rear Stairs	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%
30	33177-30	Living Room 2	White Wall Spackle Patch	None Detected 0%	0%		F	None Detected 0%	100%
31	33177-31	Living Room 2	Brown 12"x12" Floor Tile	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
32	33177-32	Kitchen 2	Black Sink Mastic	Chrysotile 13%	13%		NOB	None Detected 0%	87%
33A	33177-33A	Kitchen 2	Beige 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
33B	33177-33B	Kitchen 2	Tan/Brown Sheet Vinyl 2nd Layer	None Detected 0%	0%		F	Cellulose 70% Fiberglass 25%	5%
33C	33177-33C	Kitchen 2	Yellow/Brown Floor Tile 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
33D	33177-33D	Kitchen 2	Black Felt 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 80%	20%
34	33177-34	Pantry	White Back Splash/Counter Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 80%	20%

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Approved By: _____
J. DeNike Laboratory Director

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Date Received: 3/29/12
Report Date: 4/10/12
Analysis Date: 3/30/12
Page: 7 of 7
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	3/29/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottler	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	63

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
35A	33177-35A	Bathroom 2	White 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
35B	33177-35B	Bathroom 2	Grey Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 70%	30%

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	512756
Address:	2011 East Main Street	**Job Location:**	239 Avenue A	**Date Analyzed:**	4/9/2012
	Rochester, New York 14609	**Job Number:**	33177	**Person Submitting:**	T Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
12051668	33177-1	Residue	NAD	N/A	NAD		50.9%	14.9%	34.2%			
12051669	33177-2	Residue	NAD	N/A	NAD		34.8%	22.2%	43.0%			
12051670	33177-3A	Residue	NAD	N/A	NAD		26.1%	40.0%	33.9%			
12051671	33177-3B	Residue	NAD	N/A	NAD		69.5%	10.7%	19.8%			
12051672	33177-3C	Residue	TR	N/A	TR	Chrysotile	55.4%	11.8%	32.7%			
12051673	33177-3D	Residue	NAD	N/A	NAD		52.7%	0.1%	47.2%			
12051674	33177-3E	Residue	NAD	N/A	NAD		75.5%	0.6%	23.9%			
12051675	33177-3F	Residue	NAD	N/A	NAD		73.9%	2.8%	23.3%			
12051676	33177-4A	Residue	NAD	N/A	NAD		26.4%	39.8%	33.8%			
12051677	33177-4B	Residue	NAD	N/A	NAD		83.5%	4.1%	12.4%			
12051678	33177-4C	Residue	NAD	N/A	NAD		61.1%	12.9%	26.0%			
12051679	33177-4D	Residue	NAD	N/A	NAD		50.7%	0.7%	48.6%			
12051680	33177-4E	Residue	NAD	N/A	NAD		78.1%	0.4%	21.5%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

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AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	512756
Address:	2011 East Main Street	**Job Location:**	239 Avenue A	**Date Analyzed:**	4/9/2012
	Rochester, New York 14609	**Job Number:**	33177	**Person Submitting:**	T Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
12051681	33177-6	Residue	TR	N/A	TR	Chrysotile	19.8%	72.7%	7.5%			
12051682	33177-7	Residue	TR	N/A	TR	Chrysotile	44.3%	18.2%	37.4%			
12051683	33177-8	Residue	3%	N/A	3%	Chrysotile	30.4%	54.3%	12.2%			
12051684	33177-9C	Residue	TR	N/A	TR	Chrysotile	90.1%	1.6%	8.3%			
12051685	33177-11	Residue	NAD	N/A	NAD		20.2%	75.5%	4.3%			
12051686	33177-12	Residue	NAD	N/A	NAD		56.4%	2.7%	40.9%			
12051687	33177-15A	Residue	NAD	N/A	NAD		15.8%	78.2%	6.0%			
12051688	33177-15C	Residue	TR	N/A	TR	Chrysotile	79.9%	1.8%	18.3%			
12051689	33177-16	Residue	NAD	N/A	NAD		40.8%	0.8%	58.4%			
12051690	33177-18A	Residue	TR	N/A	TR	Chrysotile	29.2%	50.9%	19.9%			
12051691	33177-18B	Residue	22%	N/A	22%	Chrysotile	31.3%	34.5%	12.0%			
12051692	33177-18C	Residue	TR	N/A	TR	Chrysotile	94.5%	0.6%	4.9%			
12051693	33177-23	Residue	NAD	N/A	NAD		17.7%	69.7%	12.6%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	512756
Address:	2011 East Main Street	**Job Location:**	239 Avenue A	**Date Analyzed:**	4/9/2012
	Rochester, New York 14609	**Job Number:**	33177	**Person Submitting:**	T Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
12051694	33177-27	Residue	NAD	N/A	NAD		10.6%	83.0%	6.4%			
12051695	33177-28B	Residue	1.1%	N/A	1.1%	Chrysotile	91.7%	1.2%	6.0%			
12051696	33177-31	Residue	NAD	N/A	NAD		5.7%	90.1%	4.2%			
12051697	33177-33A	Residue	TR	N/A	TR	Chrysotile	12.8%	81.7%	5.5%			
12051698	33177-33C	Residue	TR	N/A	TR	Chrysotile	31.9%	56.1%	11.1%			
12051699	33177-33D	Residue	NAD	N/A	NAD		72.6%	21.5%	5.9%			
12051700	33177-35A	Residue	NAD	N/A	NAD		12.1%	84.9%	3.0%			
12051701	33177-35B	Residue	NAD	N/A	NAD		73.7%	13.6%	12.7%			

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AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	512756
Address:	2011 East Main Street	**Job Location:**	239 Avenue A	**Date Analyzed:**	4/9/2012
	Rochester, New York 14609	**Job Number:**	33177	**Person Submitting:**	T Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services. Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar **Analyst(s)** Michael Creaghan

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

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PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier
Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client:	City of Rochester	Sampling Date: 3-29-12	Lab No.: 33177
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 239 AVENUE A ROCHESTER NY	
Contact:	Curt Colombo	Sampled By: L. Mottler	
Phone #	Fax #	No. Samples: 63 ~~62~~	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
1	33177-1	EXTERIOR [redacted]	BROWN / BLK	SHINGLE SIDING			NOB	–	✓
2	2	EXTERIOR [redacted]	TAN	SHINGLE SIDING CAULK			NOB	–	✓
3A	3A	FRONT ROOF - ROOF MAIN	BLK	SHINGLE		1	NOB	–	✓
3B	3B	FRONT ROOF - ROOF MAIN	GREY	90 WEIGHT ROLL		2	NOB	–	✓
3C	3C	FRONT ROOF - ROOF MAIN	GREY	SHINGLE		3	NOB	–	✓
3D	3D	FRONT ROOF - ROOF MAIN	BLUE / GREY	SHINGLE		4	NOB	–	✓
3E	3E	FRONT ROOF - ROOF MAIN	BLK	SHINGLE		5	NOB	–	✓
3F	3F	FRONT ROOF - ROOF MAIN	BLK	90 WEIGHT ROLL		6	NOB	–	✓
4A	4A	REAR ROOF - ROOF MAIN	BLK	SHINGLE		1	NOB	–	✓
4B	4B	REAR ROOF - ROOF MAIN	BLK	ICE AND WATER GUARD		2	NOB	–	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By: [signature]

DATE: 3-29-12 TIME: 15:00

RECEIVED BY: [signature]

DATE: 3/29/12 TIME: 3:00

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Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sampling Date: 3-29-12	Lab No.: 33177
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 239 AVENUE A ROCHESTER NY	
Contact:	Curt Colombo	Sampled By:	L. Mottler
Phone #	Fax #	No. Samples:	62

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
4C	33177-4C	REAR ROOF - ROOF MAIN	GREY	SHINGLE		3	NOB	–	✓
4D	4D	REAR ROOF - ROOF MAIN	BLUE / GREY	SHINGLE		4	NOB	–	✓
4E	4E	REAR ROOF - ROOF MAIN	BLK	90 WEIGHT ROLL		5	NOB	–	✓
5	5	House Roof ROOF EDGE FLASHING	GREY / BLK	FLASHING			NOB	+	
6	6	GARAGE	BEIGE	WINDOW GLAZE			NOB	–	✓
7	7	[redacted] EXTERIOR [redacted]	BROWN / BLK	SHINGLE SIDING			NOB	–	✓
8	8	[redacted] EXTERIOR [redacted]	TAN	SHINGLE SIDING CAULK			NOB	–	CH Time ✓
9A	9A	FRONT ENTRY	BEIGE	12X12 FLOOR TILE		1	NOB	–	Trout
9B-1	9B-1	FRONT ENTRY	GREY	12X12 FLOOR TILE		2	NOB	+	
9B-2	9B-2	"	Black	Floor Tile			NOB	–	Trout
9C	9C	FRONT ENTRY	BLK	FELT		3	NOB	–	✓

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DATE: 3/29/12 TIME: 3:00

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sampling Date: 3-29-12	Lab No.: 33177
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 239 AVENUE A ROCHESTER NY	
Contact:	Curt Colombo	Sampled By:	L. Mottler
Phone #	Fax #	No. Samples:	62

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
10A	33177-10A	LIVING ROOM 1	WHITE	CEILING PLASTER		1	F	–	
10B	10B	LIVING ROOM 1	GREY	CEILING PLASTER		2	F	–	
10C	10C	LIVING ROOM 1	TAN	DRY WALL		3	F	–	
11	11	LIVING ROOM 1	BEIGE	WINDOW GLAZE			NOB	–	✓
12	12	KITCHEN 1	TAN	WALL PANEL MASTIC			NOB	–	✓
13	13	KITCHEN 1	WHITE	WALL TEXTURE			F	–	
14A	14A	BEDROOM 1	WHITE	WALL PLASTER		1	F	–	
14B	14B	BEDROOM 1	GREY	WALL PLASTER		2	F	–	
15A	15A	BATHROOM 1	WHITE	FLOOR TILE		1	NOB	–	✓
15B	15B	BATHROOM 1	GREY	FLOOR TILE		2	NOB	+	

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ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client: City of Rochester
Address: 30 Church Street
Rochester, New York 14614
Contact: Curt Colombo
Phone # Fax #

Sampling Date: 3-29-12
Lab No.: 33177
Turn Around: Immed. 24 Hr. 48Hr. Std. TEM: Send Notify First
Location: 239 AVENUE A ROCHESTER NY
Sampled By: L. Mottler
No. Samples: 62

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
15C	33177-15C	BATHROOM 1	BLK	FELT		3	NOB	-	✓
16	16	BATHROOM 1	TAN	WALL PANEL / TILE MASTIC			NOB	-	✓
17A	17A	BATHROOM 1	WHITE	CEILING TEXTURE		1	F	-	
17B	17B	BATHROOM 1	WHITE	CEILING PLASTER		2	F	-	
17C	17C	BATHROOM 1	GREY	CEILING PLASTER		3	F	-	
18A	18A	FIRST FLOOR LANDING	GREY	FLOOR TILE		1	NOB	-	✓
18B	18B	FIRST FLOOR LANDING	BLK	FLOOR TILE ~~MASTIC~~ TMC		2	NOB	-	✓
18C	18C	FIRST FLOOR LANDING	BLK	FELT		3	NOB	-	✓
19	19	BASEMENT	WHITE	EXPANSION JOINT			F	+	
20	20	BASEMENT	GREY	BOILER MUD			F	+	

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Client:	City of Rochester	Sampling Date: 3-29-12	Lab No.: 33177
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 239 AVENUE A ROCHESTER NY	
Contact:	Curt Colombo	Sampled By:	L. Mottler
Phone #	Fax #	No. Samples:	62

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
21	33177 21	BASEMENT	TAN	INTERIOR BOILER MUD			F	+	
22A	22A	BEDROOM 2	WHITE	CEILING PLASTER		1	F	–	
22B	22B	BEDROOM 2	GREY	CEILING PLASTER		2	F	–	
23	23	BEDROOM 3	BEIGE	WINDOW GLAZE			NCB	–	✓
24A	24A	HALL 1	WHITE	WALL PLASTER		1	F	–	
24B	24B	HALL 1	GREY	WALL PLASTER		2	F	–	
25	25	ATTIC SPACE	GREEN / BLK	SHEET VINYL			NF	–	
26	26	BEDROOM 4	GREY	WALL PLASTER			F	–	
27	27	BEDROOM 4	WHITE	WINDOW GLAZE			NCB	–	✓
28A	28A	BEDROOM 4	TAN	9X9 FLOOR TILE		1	NCB	+	

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sampling Date: 3-29-12	Lab No.: 33177
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 239 AVENUE A ROCHESTER NY	
Contact:	Curt Colombo	Sampled By:	L. Mottler
Phone #	Fax #	No. Samples:	62

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
28B	33177-28B	BEDROOM 4	BLK	FLOOR TILE MASTIC		2	NOB	–	CH Trans ✓
29	29	REAR STAIRS	WHITE	W-SPK			F	–	
30	30	LIVING ROOM 2	WHITE	W-SPK PATCH			F	–	
31	31	LIVING ROOM 2	BROWN	12X12 FLOOR TILE			NOB	–	✓
32	32	KITCHEN 2	BLK	SINK MASTIC			NOB	+	
33A	33A	KITCHEN 2	BEIGE	12X12 FLOOR TILE		1	NOB	–	✓
33B	33B	KITCHEN 2	TAN BROWN	SHEET VINYL		2	F	–	
33C	33C	KITCHEN 2	YELLOW BROWN	FLOOR TILE		3	NOB	–	✓
33D	33D	KITCHEN 2	BLK	FELT		4	NOB	–	✓
34	34	PANTRY	WHITE	BACK SPASH / COUNTER Sheet Vinyl			NF	–	

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DATE: 3-29-12 TIME: 15:00

DATE: 3/29/12 TIME: 300

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Environmental Consulting, Inc.
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Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
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	Rochester, New York 14614	Location: 239 AVENUE A ROCHESTER NY	
Contact:	Curt Colombo	Sampled By:	L. Mottler
Phone #	Fax #	No. Samples:	62

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
35A	33177-35A	BATHROOM 2	WHITE	12X12 FLOOR TILE		1	NOB	-	✓
35B	35B	BATHROOM 2	GREY	FLOOR TILE		2	NOB	-	✓

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RECEIVED BY: [signature]

DATE: 3-29-12 TIME: 15:00

DATE: 3/29/12 TIME: 3:00

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) **512756**

Mailing/Billing Information:
1. Client Name: Lozier Environmental Consulting, Inc.
2. Address 1: 2011 East Main Street
3. Address 2: Rochester, NY 14609
4. Address 3:
5. Phone #: (585) 654-9080 Fax #: (585) 654-9662

Submittal Information:
1. Job Name: City of Rochester
2. Job Location: 239 Avenue A
3. Job #: 33197 P.O. #:
4. Contact Person: Jeanna DeNike @ phone # (585) 654-9080
5. Submitted by: TiBush Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
☐ Immediate Date Due: ____ ☐ 24 Hours Time Due: ____ Comments: ____	☐ Immediate ☐ Next Day ☐ 2 Day ☑ 3 Day ☐ 5 Day + Date Due: 4/9/12 ☐ Results Required By Noon (Every Attempt Will Be Made to Accomodate)	☑ Include COC/Field Data Sheets with Report ☑ Email: lozierenv@aol.com ☐ Fax: ____ ☐ Verbal: ____

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 ____ (QTY)
- ☐ Fiberglass ____ (QTY)

TEM Air – Please Indicate Filter Type:
- ☐ AHERA ____ (QTY)
- ☐ NIOSH 7402 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate ____ (QTY)
- ☐ EPA Point Count ____ (QTY)
- ☐ NY State Friable 198.1 ____ (QTY)
- ☐ Grav. Reduction ELAP 198.6 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

MISC
- ☐ Vermiculite
- ☐ Asbestos Soil PLM ____ (Qual) PLM ____ (Quan) PLM/TEM ____ (Qual) PLM/TEM ____ (Quan)

TEM Bulk
- ☐ ELAP 198.4/Chatfield ____ (QTY)
- ☐ NY State PLM/TEM ____ (QTY)
- ☑ Residual Ash 34 (QTY)

TEM Dust
- ☐ Qual. (pos/abs) Vacuum/Dust: ____ (QTY)
- ☐ Quan. (s/area) Vacuum D3755-95 ____ (QTY)
- ☐ Quan. (s/area) Dust D6480-99 ____ (QTY)

TEM Water
- ☐ Qual. (pos/abs) ____ (QTY)
- ☐ ELAP 198.2/EPA 100.2 ____ (QTY)
- ☐ EPA 100.1 ____ (QTY)

☑ All samples received in good condition unless otherwise noted. (TEM Water samples ____ °C)

Metals Analysis
- ☐ Pb Paint Chip ____ (QTY)
- ☐ Pb Dust Wipe (wipe type ____) ____ (QTY)
- ☐ Pb Air ____ (QTY)
- ☐ Pb Soil/Solid ____ (QTY)
- ☐ Pb TCLP ____ (QTY)
- ☐ Drinking Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Waste Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Pb Furnace (Media ____) ____ (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples: ____
Collection Media ____
- ☐ Spore-Trap ____ (QTY)
- ☐ Surface Swab ____ (QTY)
- ☐ Surface Tape ____ (QTY)
- ☐ Other (Specify ____) ____ (QTY)
- ☐ Surface Vacuum Dust ____ (QTY)
- ☐ Culturable ID Gram (Media ____) ____ (QTY)
- ☐ Culturable ID Species (Media ____) ____ (QTY)

CLIENT ID NUMBER	SAMPLE INFORMATION: SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	AIR	MATRIX: BULK	DUST	WIPE	SOIL	TCLP	SWAB
					X						X					

CLIENT CONTACT (LABORATORY STAFF ONLY)

Date/Time:	Contact:	By:
Date/Time:	Contact:	By:
Date/Time:	Contact:	By:

LABORATORY STAFF ONLY (CUSTODY)
1. Date/Time RCVD: 4 / 4 / 12 @ 1530 Via: FedEX By (Print): NAM Sign:
2. Date/Time Analyzed: 4 / 9 / 12 @ 1110 By (Print): [illegible] Sign:
3. Results Reported To: Via: Date: / / Time: Initials:
4. Comments: 8985 9983 9079

CERTIFICATIONS

NEW YORK STATE DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02[illegible]43
LICENSE NUMBER: [illegible]
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/13/2011
EXPIRATION DATE: 05/31/2012

Duly Authorized Representative: Ronald [illegible]

This license has been issued in accordance with [illegible] of the Labor Law of New York State and of the New York State Codes, Rules and Regulations, 12 NYCRR Part [illegible]. It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with respect to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any [illegible] involving [illegible] or asbestos [illegible].

This license is valid only for the contractor named above and the license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

SH 432 (4-07)

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

Serial No.: 46501

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4476 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

is hereby APPROVED as an Environmental Laboratory for the category:
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos In Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
Asbestos In Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos In Non-Friable Material-TEM	Item 198.4 of Manual
Lead In Dust Wipes	EPA 7000B
Lead In Paint	EPA 7000B

Sample Preparation Methods

ASTM E-1979-04
EPA 600/R-03/200

Serial No.: 46674

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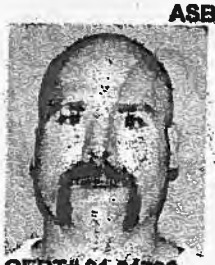
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RON A. [illegible]
CLASS(EXPIRES)
C/TEC(07/12) D/INSP(07/12)
I PM (07/12)

CERT# 91-01793
DMV# 107698477
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANDRIA MAXWELL
CLASS(EXPIRES)
D/INSP(08/12)

CERT# 05-07912
DMV# 525446694
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EYES BLU
HAIR BRO
HGT 5' 10"

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STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LONNIE FLIRDNER
CLASS(EXPIRES)
C/TEC(08/12) D/INSP(08/12)
I PM (08/12)

CERT# 97-13919
DMV# 202917970
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR GRY
HGT 5' 09"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LESTER J. MUTTLER
CLASS(EXPIRES)
C/TEC(04/12) D/INSP(04/12)
I PM (04/12)

CERT# 06-12599
DMV# 950405445
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

PRE-DEMOLITION ASBESTOS SURVEY

275-277 MURRAY STREET
ROCHESTER, NEW YORK

PREPARED FOR:

CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614

January 22, 2013

Lozier
Environmental Consulting, Inc.

Prepared By: Angela Liddell

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

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Certifications

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on December 19, 2012 at 275-277 Murray Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story, multi-family home with a basement.

New York State Department of Labor certified inspector Ron Arthurs conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
    a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
    b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6*; Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); ”Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department’s Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located.” The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 275-277 Murray Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

ASBESTOS CONTAINING MATERIALS BY LOCATION

APARTMENT 1 & 2 - BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Apartment 1 – Basement Stairwell	Green Marble Pattern Floor Tile over Green Flooring	Fair	NOB	37 Square Feet
Apartment 2 – Basement Stairwell	Transite Siding **DEBRIS** – clean-up of landing and stairs	Poor	Non-Friable	3 Square Feet
Apartment 1 & 2 Basement – Throughout	Transite Paneling – Intact and In Ceiling Joists	Good	Non-Friable	10 Square Feet
	Transite Paneling **DEBRIS** – clean-up of floor	Poor	Non-Friable	10 Square Feet
	*Duct Boot Insulation and Duct Seam Tape Insulation	Good	Friable	15 Square Feet
	*Flue Patches – 3 Total	Good	Friable	3 Square Feet
	*12”x12” Floor Tile **DEBRIS** – on top of perimeter wall (below stairs)	Poor	NOB	2 Square Feet
Apartment 1 – Basement to 2nd Floor	*Duct Wrap Insulation on 4 risers running from Basement to 2nd Floor – **Risers Run Behind 1st Floor Walls - 4 separate locations at 30 square feet each**	Good	Friable	120 Square Feet
Apartment 2 – Basement to	*Duct Wrap Insulation on 4 risers running from Basement to 2nd Floor – **Risers Run Behind 1st Floor Walls - 4 separate locations at 30 square feet each**	Good	Friable	120 Square Feet

APARTMENT 1 – FIRST & SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout 1st and 2nd Floor	Storm Window Caulk	Good	NOB	10 Square Feet
Front Porch	Storm Window Caulk	Good	NOB	4 Square Feet
	Grey Transite Siding	Good	Non-Friable	90 Square Feet
Bedroom 1	White Sheet Vinyl over White Mastic	Good	Friable	132 Square Feet
Bedroom 2 Closet	White Sheet Vinyl over White Mastic	Good	Friable	12 Square Feet

APARTMENT 2 – FIRST & SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout 1st and 2nd Floor	Storm Window Caulk	Good	NOB	9 Square Feet
Kitchen	Transite Siding **DEBRIS** – clean-up of floor	Poor	Non-Friable	144 Square Feet
First Floor Hall	Transite Siding **DEBRIS** – clean-up of floor	Poor	Non-Friable	9 Square Feet
Stairwell to 2nd Floor	Transite Siding **DEBRIS** – clean-up of floor	Poor	Non-Friable	50 Square Feet
2nd Floor Hall	Transite Siding **DEBRIS** – clean-up of floor	Poor	Non-Friable	70 Square Feet

ATTIC

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Attic	Interior Roof Flashing **DEBRIS** and Blown-In Insulation – clean-up	Poor	NOB	1,140 Square Feet
	Note: All blown-in insulation throughout the attic must be treated as contaminated debris			
	Interior Roof Seam Flashing (top layer of roof) and Parapet Wall Flashing	Fair	NOB	1,140 Square Feet

EXTERIOR

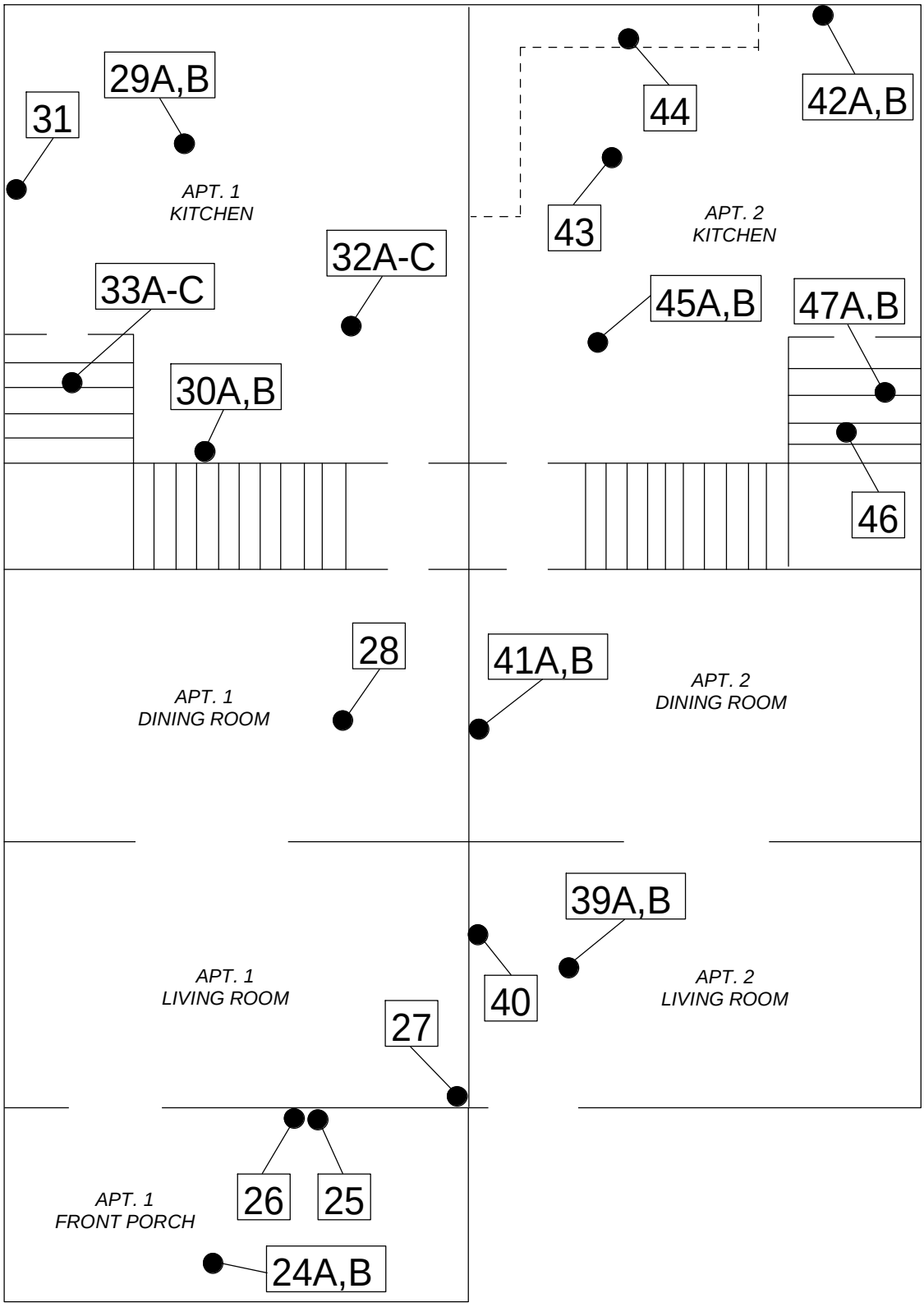
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	Grey Transite Siding	Fair	Non-Friable	2,156 Square Feet
Driveway Side – North Side of House	Grey Transite Siding **DEBRIS** – clean-up of ground. Debris is located approximately the length of the north side and 12 feet out from the house	Poor	Non-Friable	480 Square Feet
Back of House – West Side	Grey Transite Siding **DEBRIS** – clean-up of ground. Debris is located approximately the length of the north side and 12 feet out from the house	Poor	Non-Friable	410 Square Feet

ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
House Roof and Front Porch Roof	Grey/Black Flashing	Fair	NOB	2,156 Square Feet

Notes:

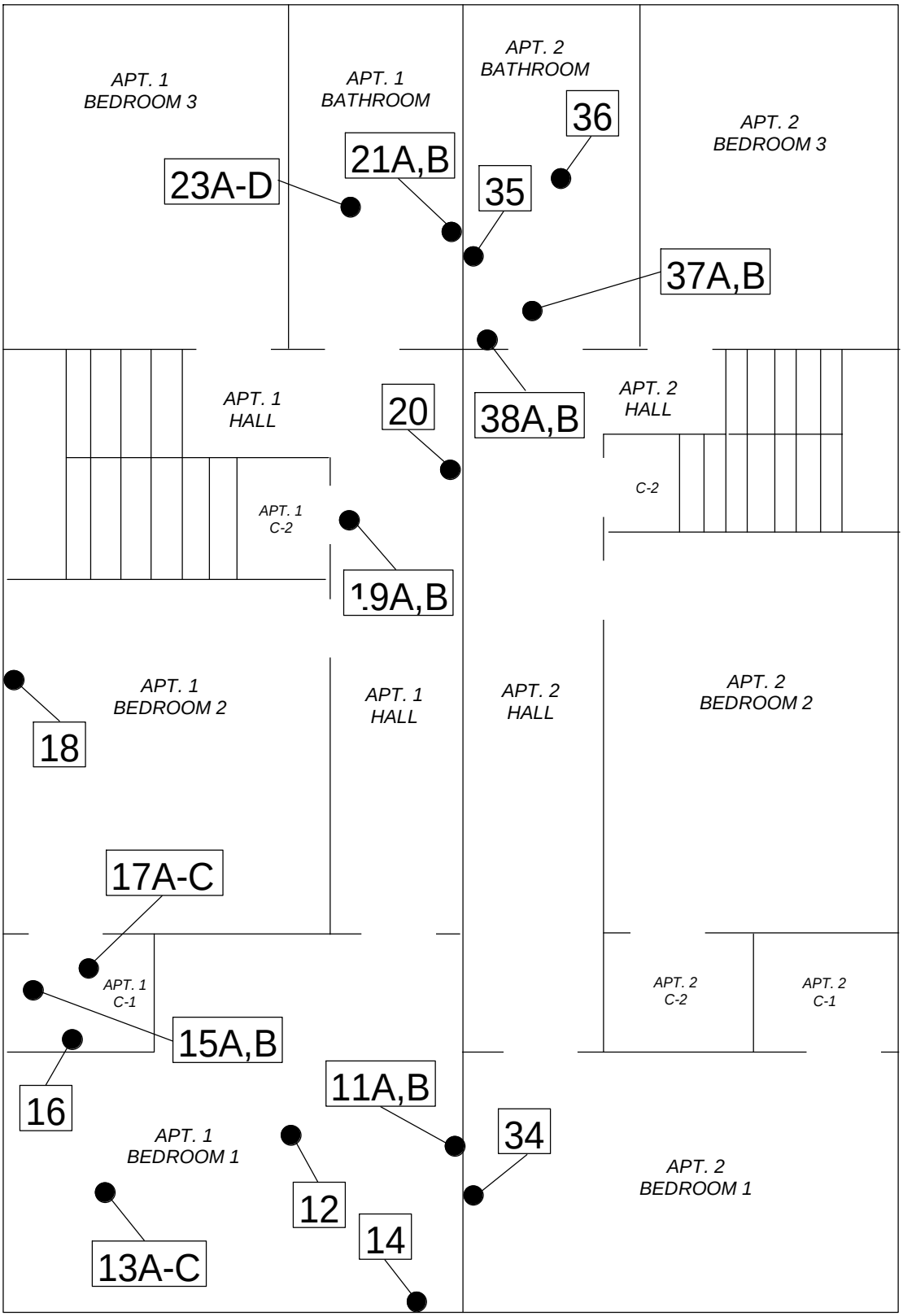
- Condition: ***Good*** = No visible damage and/or very limited deterioration. ***Fair*** = visible damage or deterioration on less than 25% of the material. ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patches, duct wrap insulation, duct seam tape, duct boot insulation, and 12”x12” floor tile debris located in the basement were not sampled and are presumed to be asbestos containing.



PRE-DEMOLITION ASBESTOS SURVEY
APARTMENT 1 & 2 - FIRST FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

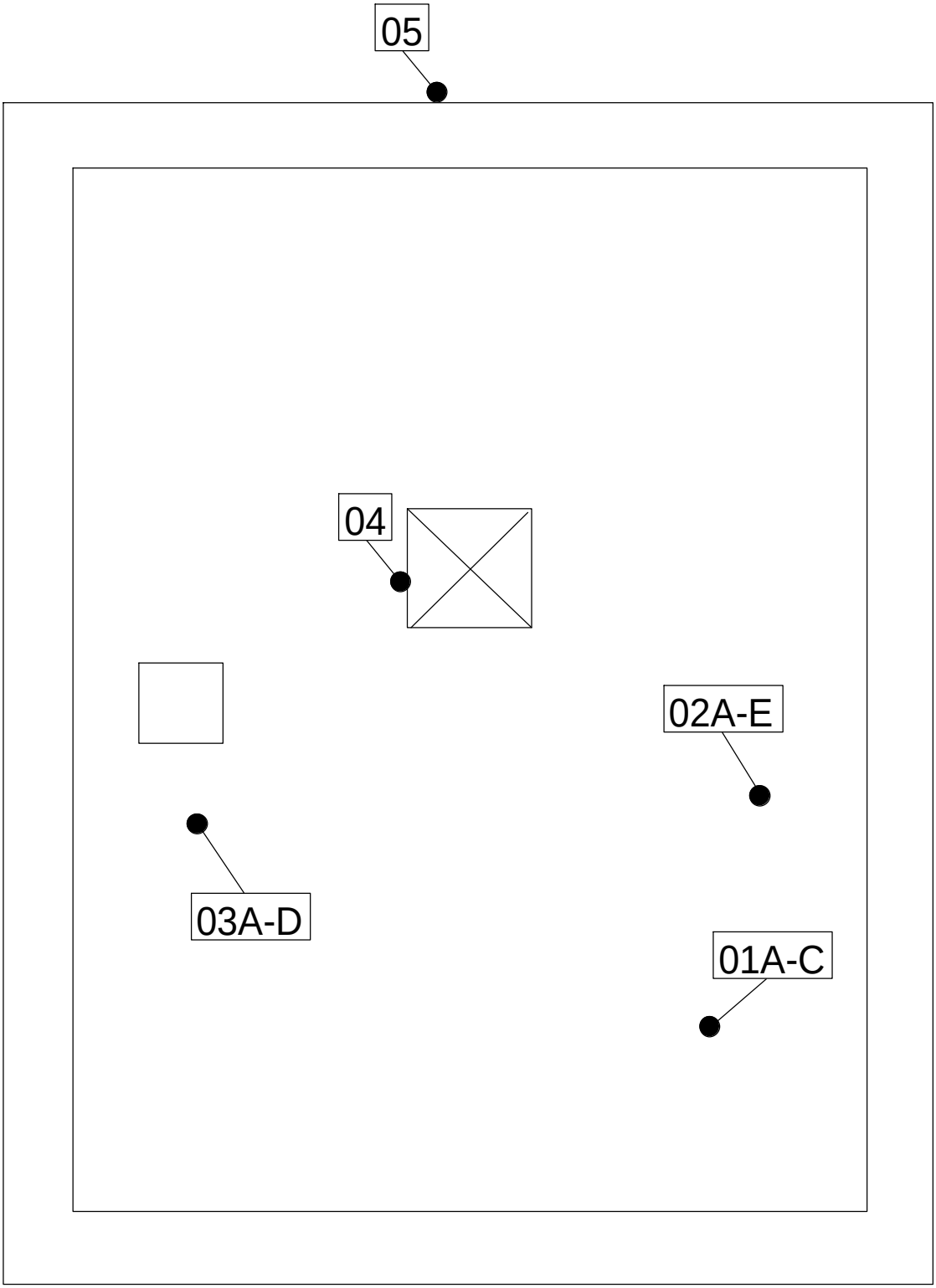
LOZIER ENVIRONMENTAL CONSULTING, INC. FEBRUARY, 20 2012



PRE-DEMOLITION ASBESTOS SURVEY
APARTMENT 1 & 2 - SECOND FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

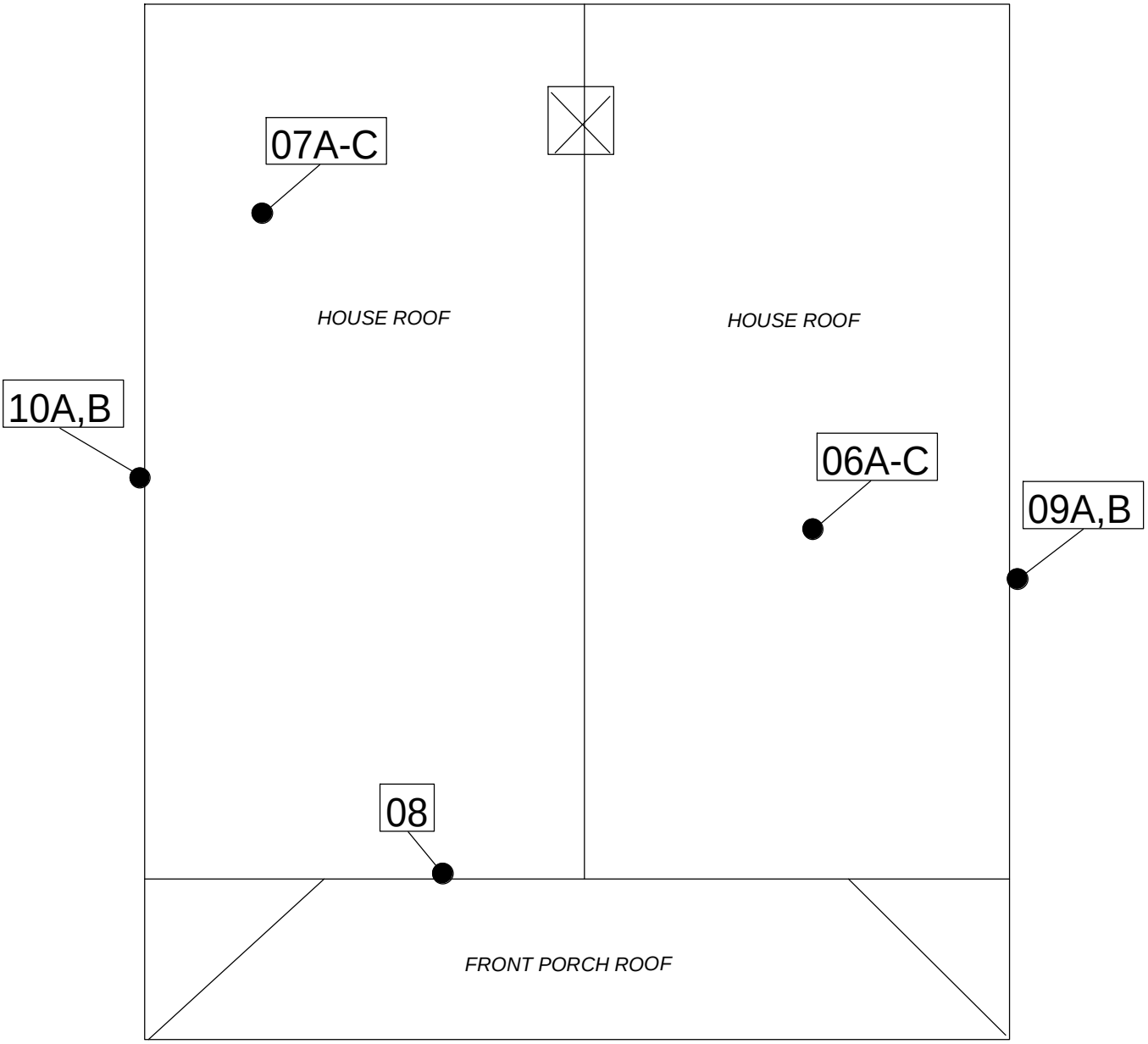
LOZIER ENVIRONMENTAL CONSULTING, INC. DECEMBER 27, 2012



PRE-DEMOLITION ASBESTOS SURVEY
ATTIC
SAMPLE LOCATIONS

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. DECEMBER 27, 2012



PRE-DEMOLITION ASBESTOS SURVEY
ROOF AND EXTERIOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
275-277 MURRAY STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. DECEMBER 27, 2012

275-277 MURRAY STREET
ROCHESTER, NEW YORK

Figure 1: 275-277 Murray Street, Rochester, New York

Figure 2: Exterior - Sample No. 9A & 10A: Grey Transite Siding

Figure 3: Apartment 1 – Living Room - Sample No. 26: Storm Window Caulk

Figure 4: Apartment 1 – Bedroom 1- Sample No. 13AB: White Sheet Vinyl over White Mastic

Figure 5: Apartment 1 – Bedroom 2 Closet - Sample No. 17A: White Sheet Vinyl over White Mastic

Figure 6: Apartment 1 – Basement Stairwell - Sample No. 33AB: Green Marble Pattern Floor Tile over Green Flooring

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14609

Attn: Curt Colombo

Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12
Page: 1 of 9
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
1A	36175-1A	Attic	Grey Blown-In Insulation 1st Layer	None Detected 0%	0%		F	Cellulose 100%	0%
1B	36175-1B	Attic	Black Roof Debris 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
1C	36175-1C	Attic	Black Roof Debris 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
2A	36175-2A	Attic - Right Side Flat Roof Main (Internal)	Black Rolled Roofing/Tar 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 60%	40%
2B	36175-2B	Attic - Right Side Flat Roof Main (Internal)	Black Rolled Roofing/Tar 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 50%	50%
2C	36175-2C	Attic - Right Side Flat Roof Main (Internal)	Black Rolled Roofing/Tar 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 40%	60%
2D	36175-2D	Attic - Right Side Flat Roof Main (Internal)	Black Rolled Roofing/Tar 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 60%	40%
2E	36175-2E	Attic - Right Side Flat Roof Main (Internal)	Black Bottom Tar 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
3A	36175-3A	Attic - Left Side Flat Roof Main (Internal)	Black/Grey Rolled Roofing 1st Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%
3B	36175-3B	Attic - Left Side Flat Roof Main (Internal)	Tan Rolled Roofing 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 35%	65%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
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Attn: Curt Colombo

Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12
Page: 2 of 9
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
3C	36175-3C	Attic - Left Side Flat Roof Main (Internal)	Black Felts/Tar 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 70%	30%
3D	36175-3D	Attic - Left Side Flat Roof Main (Internal)	Black Bottom Tar 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
4	36175-4	Attic Roof Seams/Flashing	Black Flashing	Chrysotile 6.8%	6.8%		NOB	None Detected 0%	93.2%
5	36175-5	Attic	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
6A	36175-6A	House Roof - Roof Main Right Side	Grey/Green/Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 24%	76%
6B	36175-6B	House Roof - Roof Main Right Side	Green Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 30%	70%
6C	36175-6C	House Roof - Roof Main Right Side	Green Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 30%	70%
7A	36175-7A	House Roof - Roof Main Left Side	Grey/Green/Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 30%	70%
7B	36175-7B	House Roof - Roof Main Left Side	Green Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 30%	70%
7C	36175-7C	House Roof - Roof Main Left Side	Green Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 25%	75%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

Lozier
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2011 East Main Street, Rochester, New York 14609
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Client: City of Rochester
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Project Site: 275-277 Murray Street, Rochester, New York

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TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
8	36175-8	Front Porch Roof Edge Flashing	Grey/Black Flashing	Chrysotile '17.4%	17.4%		NOB	None Detected 0%	82.6%
9A	36175-9A	Exterior	Grey Transite Siding 1st Layer	Chrysotile 33.3%	33.3%		NF	None Detected 0%	66.7%
9B	36175-9B	Exterior	Black Felt Paper 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 96%	4%
10A	36175-10A	Exterior	Grey Transite Siding 1st Layer	Chrysotile 36.4%	36.4%		NF	None Detected 0%	63.6%
10B	36175-10B	Exterior	Black Felt Paper 2nd Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	Cellulose 94%	>6%
11A	36175-11A	Apartment 1 - 2nd Floor Bedroom 1	White Wall Spackle 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
11B	36175-11B	Apartment 1 - 2nd Floor Bedroom 1	Brown Felt Paper 2nd Layer	None Detected 0%	0%		F	Cellulose 70% Animal Hair 30%	0%
12	36175-12	Apartment 1 - 2nd Floor Bedroom 1	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
13A	36175-13A	Apartment 1 - 2nd Floor Bedroom 1	White Sheet Vinyl 1st Layer	Chrysotile 30.8%	30.8%		F	Cellulose 60%	9.2%
13B	36175-13B	Apartment 1 - 2nd Floor Bedroom 1	White Mastic 2nd Layer	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

Lozier
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2011 East Main Street, Rochester, New York 14609
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ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14609

Attn: Curt Colombo

Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12
Page: 4 of 9
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SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
13C	36175-13C	Apartment 1 - 2nd Floor Bedroom 1	Blue 9"X9" Floor Tile 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
14	36175-14	Apartment 1 - 2nd Floor Bedroom 1	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
15A	36175-15A	Apartment 1 - 2nd Floor Bedroom 2 Closet	Brown 1'X1' Ceiling Tile Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
15B	36175-15B	Apartment 1 - 2nd Floor Bedroom 2 Closet	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 8%	92%
16	36175-16	Apartment 1 - 2nd Floor Bedroom 2 Closet	Grey Wall Plaster	None Detected 0%	0%		F	Cellulose 10%	90%
17A	36175-17A	Apartment 1 - 2nd Floor Bedroom 2 Closet	White Sheet Vinyl 1st Layer	Chrysotile 25%	25%		F	Cellulose 70%	5%
17B	36175-17B	Apartment 1 - 2nd Floor Bedroom 2 Closet	White Mastic 2nd Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%
17C	36175-17C	Apartment 1 - 2nd Floor Bedroom 2 Closet	Red Sheet Vinyl 3rd Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
18	36175-18	Apartment 1 - 2nd Floor Bedroom 2	Grey Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
19A	36175-19A	Apartment 1 - 2nd Floor Hall	Blue 9"X9" Floor Tile 1st Layer	Inconclusive None Detected 0%	100%	*	NOB	None Detected 0%	200%

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Approved By: _____
J. DeNike Laboratory Director

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Attn: Curt Colombo

Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12
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SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
19B	36175-19B	Apartment 1 - 2nd Floor Hall	Brown Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
20	36175-20	Apartment 1 - 2nd Floor Hall	Brown 1'X1' Ceiling Tile Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
21A	36175-21A	Apartment 1 - 2nd Floor Bathroom	Brown Wall Panel Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
21B	36175-21B	Apartment 1 - 2nd Floor Bathroom	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 9%	91%
23A	36175-23A	Apartment 1 - 2nd Floor Bathroom	Tan 12"X12" Floor Tile (Debris) 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
23B	36175-23B	Apartment 1 - 2nd Floor Bathroom	White 12"X12" Floor Tile (Debris) 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
23C	36175-23C	Apartment 1 - 2nd Floor Bathroom	Yellow Mastic 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
23D	36175-23D	Apartment 1 - 2nd Floor Bathroom	Yellow Flooring 4th Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
24A	36175-24A	1st Floor - Apartment 1 Front Porch	Brown Sheet Vinyl 1st Layer	None Detected 0%	0%		F	Cellulose 65% Animal Hair 30%	5%
24B	36175-24B	1st Floor - Apartment 1 Front Porch	Black Flooring 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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Client: City of Rochester
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Attn: Curt Colombo

Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12

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SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
25	36175-25	1st Floor - Apartment 1 Living Room	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
26	36175-26	1st Floor - Apartment 1 Living Room	Beige Storm Window Caulk	Tremolite 3.6%	3.6%		NOB	None Detected 0%	96.4%
27	36175-27	1st Floor - Apartment 1 Living Room	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%
28	36175-28	1st Floor - Apartment 1 Dining Room	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
29A	36175-29A	1st Floor - Apartment 1 Kitchen	Brown Ceiling Tile Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
29B	36175-29B	1st Floor - Apartment 1 Kitchen	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 8%	92%
30A	36175-30A	1st Floor - Apartment 1 Kitchen	Brown Wall Panel Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
30B	36175-30B	1st Floor - Apartment 1 Kitchen	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 9%	91%
31	36175-31	1st Floor - Apartment 1 Kitchen	Grey Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
32A	36175-32A	1st Floor - Apartment 1 Kitchen	White Ceramic Floor Grout 1st Layer	None Detected 0%	0%		NF	None Detected 0%	100%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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Client: City of Rochester
30 Church Street
Rochester, New York 14609

Attn: Curt Colombo

Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12

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SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
32B	36175-32B	1st Floor - Apartment 1 Kitchen	Brown Underlayment 2nd Layer	None Detected 0%	0%		F	Cellulose 100%	0%
32C	36175-32C	1st Floor - Apartment 1 Kitchen	Grey Cement Floor 3rd Layer	None Detected 0%	0%		NF	None Detected 0%	100%
33A	36175-33A	Basement Stairwell	Green Marble Pattern Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
33B	36175-33B	Basement Stairwell	Green Flooring 2nd Layer	Chrysotile 2.3%	2.3%		NOB	None Detected 0%	97.7%
33C	36175-33C	Basement Stairwell	Brown Mastic 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
34	36175-34	Apartment 2 - 2nd Floor Bedroom 1	Grey Wall Plaster	None Detected 0%	0%		F	Cellulose 9%	91%
35	36175-35	Apartment 2 - 2nd Floor Bathroom	Tan Wall Panel Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
36	36175-36	Apartment 2 - 2nd Floor Bathroom	Light Grey Ceiling Plaster	None Detected 0%	0%		F	None Detected 0%	100%
37A	36175-37A	Apartment 2 - 2nd Floor Bathroom	Tan/Silver 16"X16" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
37B	36175-37B	Apartment 2 - 2nd Floor Bathroom	Yellow/Brown 12"X12" Floor Tile 2nd Layer	None Detected 0%	0%		NF	None Detected 0%	100%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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Analytical results relate only to the sample received and analyzed.

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

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Client: City of Rochester
30 Church Street
Rochester, New York 14609

Attn: Curt Colombo

Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12
Page: 8 of 9
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SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
38A	36175-38A	Apartment 2 - 2nd Floor Bathroom	White Basecove 1st Layer	Inconclusive None Detected0%	0%	*	NOB	None Detected 0%	100%
38B	36175-38B	Apartment 2 - 2nd Floor Bathroom	Yellow Basecove Mastic 2nd Layer	Inconclusive None Detected0%	0%	*	NOB	None Detected 0%	100%
39A	36175-39A	Apartment 2 - 1st Floor Living Room	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
39B	36175-39B	Apartment 2 - 1st Floor Living Room	White Ceiling Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
40	36175-40	Apartment 2 - 1st Floor Living Room	White Wall Spackle Patch	None Detected 0%	0%		F	None Detected 0%	100%
41A	36175-41A	Apartment 2 - 1st Floor Dining Room	White Wall Spackle 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
41B	36175-41B	Apartment 2 - 1st Floor Dining Room	Tan/Brown Drywall Mastic 2nd Layer	Inconclusive None Detected0%	0%	*	NOB	None Detected 0%	100%
42A	36175-42A	Apartment 2 - 1st Floor Kitchen	White Wall Sheet Vinyl 1st Layer	None Detected 0%	0%		NF	None Detected 0%	100%
42B	36175-42B	Apartment 2 - 1st Floor Kitchen	White Wall Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
43	36175-43	Apartment 2 - 1st Floor Kitchen	Grey 2'X4' Ceiling Tile	Inconclusive None Detected0%	0%	*	F	Cellulose 80% Mineral Wool 10%	10%

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J. DeNike Laboratory Director

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Project Site: 275-277 Murray Street, Rochester, New York

Laboratory No.: 36175
Date Received: 12/26/12
Report Date: 12/27/12
Analysis Date: 12/26/12
Page: 9 of 9
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	12/19/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	86

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
44	36175-44	Apartment 2 - 1st Floor Kitchen	Tan Basecove Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
45A	36175-45A	Apartment 2 - 1st Floor Kitchen	Black/White 12"X12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
45B	36175-45B	Apartment 2 - 1st Floor Kitchen	Yellow Sheet Vinyl 2nd Layer	None Detected 0%	0%		F	Cellulose 75% Fiberglass 20%	5%
46	36175-46	Basement Stairwell	White Ceiling Texture	None Detected 0%	0%		F	None Detected 0%	100%
47A	36175-17A	Basement Stairwell	Brown Sheet Vinyl 1st Layer	None Detected 0%	0%		NF	None Detected 0%	100%
47B	36175-47B	Basement Stairwell	Yellow Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514872
Address:	2011 East Main Street	**Job Location:**	275-277 murray Street	**Date Analyzed:**	1/2/2013
	Rochester, New York 14609	**Job Number:**	36175	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13026139	36175-1B	Residue	TR	N/A	TR	Chrysotile	80.6%	0.4%	19.0%			
13026140	36175-1C	Residue	TR	N/A	TR	Chrysotile	91.0%	1.5%	7.5%			
13026141	36175-2A	Residue	NAD	N/A	NAD		80.5%	3.4%	16.1%			
13026142	36175-2B	Residue	TR	N/A	TR	Chrysotile	74.0%	0.7%	25.2%			
13026143	36175-2C	Residue	NAD	N/A	NAD		59.2%	9.2%	31.6%			
13026144	36175-2D	Residue	TR	N/A	TR	Chrysotile	77.8%	2.7%	19.5%			
13026145	36175-2E	Residue	TR	N/A	TR	Chrysotile	77.6%	11.5%	10.9%			
13026146	36175-3A	Residue	TR	N/A	TR	Chrysotile	56.4%	1.9%	41.6%			
13026147	36175-3B	Residue	NAD	N/A	NAD		65.4%	1.8%	32.8%			
13026148	36175-3C	Residue	TR	N/A	TR	Chrysotile	92.4%	0.8%	6.8%			
13026149	36175-3D	Residue	TR	N/A	TR	Chrysotile	46.6%	7.2%	46.1%			
13026150	36175-5	Residue	TR	N/A	TR	Chrysotile	13.5%	67.6%	18.9%			
13026151	36175-6A	Residue	TR	N/A	TR	Chrysotile	50.4%	3.7%	45.9%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

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CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514872
Address:	2011 East Main Street	**Job Location:**	275-277 murray Street	**Date Analyzed:**	1/2/2013
	Rochester, New York 14609	**Job Number:**	36175	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13026152	36175-6B	Residue	NAD	N/A	NAD		50.3%	2.6%	47.1%			
13026153	36175-6C	Residue	NAD	N/A	NAD		51.2%	3.4%	45.4%			
13026154	36175-7A	Residue	NAD	N/A	NAD		49.6%	5.5%	44.9%			
13026155	36175-7B	Residue	NAD	N/A	NAD		52.9%	2.3%	44.8%			
13026156	36175-7C	Residue	NAD	N/A	NAD		47.5%	2.6%	49.9%			
13026158	36175-9B	Residue	TR	N/A	TR	Chrysotile	98.0%	0.4%	1.6%			
13026159	36175-10B	Residue	TR	N/A	TR	Chrysotile	96.1%	1.5%	2.3%			
13026160	36175-13B	Residue	1.5%	N/A	1.5%	Chrysotile	49.9%	0.9%	47.7%			
13026161	36175-13C	Residue	TR	N/A	TR	Chrysotile	66.1%	27.9%	6.0%			
13026162	36175-14	Residue	TR	N/A	TR	Chrysotile	11.5%	69.3%	19.2%			
13026163	36175-15A	Residue	NAD	N/A	NAD		50.9%	0.0%	49.1%			
13026164	36175-17B	Residue	TR	N/A	TR	Chrysotile	25.3%	4.3%	69.7%			

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A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
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Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514872
Address:	2011 East Main Street	**Job Location:**	275-277 murray Street	**Date Analyzed:**	1/2/2013
	Rochester, New York 14609	**Job Number:**	36175	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comment
13026165	36175-18	Residue	NAD	N/A	NAD		7.5%	83.9%	8.7%			
13026166	36175-19A	Residue	NAD	N/A	NAD		65.3%	27.3%	7.5%			
13026167	36175-19B	Residue	NAD	N/A	NAD		46.6%	33.6%	19.8%			
13026168	36175-20	Residue	NAD	N/A	NAD		52.0%	5.3%	42.7%			
13026169	36175-21A	Residue	NAD	N/A	NAD		52.9%	5.7%	41.4%			
13026170	36175-23A	Residue	NAD	N/A	NAD		24.3%	72.6%	3.1%			
13026171	36175-23B	Residue	NAD	N/A	NAD		57.9%	19.7%	22.4%			
13026172	36175-23C	Residue	TR	N/A	TR	Chrysotile	39.3%	33.9%	26.2%			
13026173	36175-24B	Residue	TR	N/A	TR	Chrysotile	62.4%	11.8%	25.7%			
13026174	36175-25	Residue	NAD	N/A	NAD		11.5%	81.4%	7.1%			
13026175	36175-29A	Residue	NAD	N/A	NAD		50.4%	5.5%	44.1%			
13026176	36175-30A	Residue	NAD	N/A	NAD		31.4%	12.1%	56.5%			
13026177	36175-31	Residue	TR	N/A	TR	Chrysotile	18.2%	60.1%	21.7%			

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Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514872
Address:	2011 East Main Street	**Job Location:**	275-277 murray Street	**Date Analyzed:**	1/2/2013
	Rochester, New York 14609	**Job Number:**	36175	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13026178	36175-33A	Residue	TR	N/A	TR	Chrysotile	29.3%	66.7%	4.0%			
13026179	36175-33C	Residue	NAD	N/A	NAD		60.2%	3.2%	36.6%			
13026180	36175-35	Residue	NAD	N/A	NAD		44.2%	7.6%	48.2%			
13026181	36175-37A	Residue	NAD	N/A	NAD		42.4%	50.2%	7.4%			
13026182	36175-38A	Residue	NAD	N/A	NAD		24.0%	73.0%	3.0%			
13026183	36175-38B	Residue	NAD	N/A	NAD		47.4%	3.2%	49.4%			
13026184	36175-41B	Residue	NAD	N/A	NAD		37.9%	22.9%	39.2%			
13026185	36175-43	Residue	NAD	N/A	NAD		26.5%	53.6%	19.9%			
13026186	36175-44	Residue	TR	N/A	TR	Chrysotile	77.3%	0.5%	22.2%			
13026187	36175-45A	Residue	NAD	N/A	NAD		19.5%	76.7%	3.8%			
13026188	36175-47B	Residue	NAD	N/A	NAD		75.2%	5.2%	19.6%			

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Address:	2011 East Main Street	**Job Location:**	275-277 murray Street	**Date Analyzed:**	1/2/2013
	Rochester, New York 14609	**Job Number:**	36175	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comment

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar **Analyst(s)** Ang Cao

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PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester
Address: 30 Church Street
Rochester, New York 14614
Contact: Curt Colombo
Phone # Fax #

Sampling Date: 12/19/12
Lab No.: 36175
Turn Around: Immed. 24 Hr 48Hr. Std.
TEM: Send Notify First 3 days
Location: 275-277 Murray St., Rochester, N.Y.
Sampled By: R. Arthurs
No. Samples: 10 (36)

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
1A	36175-1A	ATTIC	Gray	Blown-In Insulation		1	F	–	
1B	1B	"	Black	Roofing Debris		2	NOB	–	✓
1C	1C	"	Black	" "		3	NOB	–	✓
2A	2A	ATTIC - Right Side Flat Roof Main (Interior)	Black	Rolled Roofing / Tar		1	NOB	–	✓
2B	2B	" "	"	" "		2	NOB	–	✓
2C	2C	" "	"	" "		3	NOB	–	✓
2D	2D	" "	"	" "		4	NOB	–	✓
2E	2E	" "	"	Bottom Tar		5	NOB	–	✓
3A	3A	ATTIC - Left Side Flat Roof main (Interior)	Black / Gray	Rolled Roofing / Tar		1	NOB	–	Cit Time ✓
3B	3B	" " "	Tan	Rolled Roofing		2	NOB	–	✓

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Client:	City of Rochester	Sampling Date: 12/19/12	Lab No.: 36175
Address:	30 Church Street	Turn Around: Immed. 24 Hr 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 275-277 Murray St., Rochester, N.Y.	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 10	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
3C	36175-3C	ATTIC ~ Left Side Flat Roof Main (Internal)	Black	Felts / Tars	3		NOB	–	✓
3D	3D	" "	"	Bottom Tar	4		NOB	–	✓
4	4	ATTIC Roof Seams / Flashing	Black	Flashing	1		NOB	+	
5	5	ATTIC	White	Window Glaze	1		NOB	–	✓
6A	6A	House Roof Roof Main Rt. Side	Gray/Green/Black	Shingle	1		NOB	–	✓
6B	6B	" "	Green	Shingle	2		NOB	–	✓
6C	6C	"	"	"	3		NOB	–	✓
7A	7A	House Roof Roof Main Left Side	Gray/Green/Black	Shingle	1		NOB	–	✓
7B	7B	" "	Green	"	2		NOB	–	✓
7C	7C	" "	"	"	3		NOB	–	✓

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Client:	City of Rochester	Sampling Date: 12/19/12	Lab No.: 36175
Address:	30 Church Street	Turn Around: Immed. 24 Hr 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 275-277 Murray St., Rochester, N.Y.	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 10	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
8	36175-8	Front Porch Roof Edge	Gray/Black	Flashing	1		NOB	-	✓
9A	9A	Exterior	Gray	Transite Siding	1		NF	+	
9B	9B	"	Black	Felt Paper	2		NOB	-	✓
10A	10A	Exterior	Gray	Transite Siding	1		NF	+	
10B	10B	"	Black	Felt Paper	2		NOB	-	CH Time ✓
11A	11A	Apt 1 Left Side of House Bedroom #1 2nd Floor	White	Wall Spackle	1		F	-	
11B	11B	" "	Brown	Felt Paper	2		F	-	
12	12	Bedroom #1	White	Ceiling Spackle	1		F	-	
13A	13A	" "	White	Sheet Vinyl	1		F	+	
13B	13B	" "	"	Mastic	2		NOB	-	CH 21 ✓

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Client:	City of Rochester	Sampling Date: 12/19/12	Lab No.: 36175
Address:	30 Church Street	Turn Around: Immed. 24 Hr 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 275-277 Murray St., Rochester, N.Y.	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 10	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
13C	36175-13C	Bedroom #1	Blue	9x9 Floor Tile		3	NOB	–	✓
14	14	" "	White	Window Glaze		1	NOB	–	✓
15A	15A	Bedroom #2 Closet	Brown	1X1CIT Mastic		1	NOB	–	✓
15B	15B	" "	Gray	Ceiling Plaster		2	F	–	
16	16	Bedroom #2 Closet	Gray	Wall Plaster		1	F	–	
17A	17A	Bedroom #2 Closet	White	Sheet Vinyl		1	F	+	
17B	17B	" "	"	Mastic		2	NOB	–	CH Trace ✓
17C	17C	" "	Red	Sheet Vinyl		3	NF	–	
18	18	Bedroom 2	Gray	Window Glaze		1	NOB	–	✓
19A	19A	Hall	Blue	9x9 Floor Tile		1	NOB	–	✓

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Client:	City of Rochester	Sampling Date: 12/19/12	Lab No.: 36175
Address:	30 Church Street	Turn Around: Immed. 24 Hr 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 275-277 Murray St., Rochester, N.Y.	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 10	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
19B	36175-19B	Hall	Brown	Mastic		2	NOB	–	✓
20	20	Hall	Brown	CIT Mastic		1	NOB	–	✓
21A	21A	Bathroom	Brown	Wall Panel Mastic		1	NOB	–	✓
21B	21B	"	Gray	Wall Plaster		2	F	–	
23A	23A	Bathroom	Tan	12x12 Floor Tile (Debris)		1	NOB	–	✓
23B	23B		white	" " "		2	NOB	–	✓
23C	23C		Yellow	Mastic		3	NOB	–	✓
23D	23D	Bathroom	Yellow	Flooring (S.V.)		4	NF	–	
24A	24A	1st Floor Apt. 1 Front Porch	Brown	Sheet Vinyl		1	F	–	
24B	24B	" "	Black	Flooring		2	NOB	–	✓

No 22

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Address:	30 Church Street	Turn Around: Immed. 24 Hr 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 275-277 Murray St., Rochester, N.Y.	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 10	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
25	36175-25	Living Room	White	Window Glaze		1	NOB	-	✓
26	26	"	Beige	Storm Window Caulk		1	NOB	+	
27	27	" "	White	Wall Spackle		1	F	-	
28	28	Dining Room	White	Ceiling Spackle		1	F	-	
29A	29A	Kitchen	Brown	CIT Mastic		1	NOB	-	✓
29B	29B	"	Gray	Ceiling Plaster		2	F	-	
30A	30A	Kitchen	Brown	Wall Panel Mastic		1	NOB	-	✓
30B	30B	"	Gray	Wall Plaster		2	F	-	
31	31	"	Gray	Window Glaze		1	NOB	-	✓
32A	32A	Kitchen	White Ceramic Tile Grout			1	NF	-	

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Address:	30 Church Street	Turn Around: Immed. 24 Hr 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 275-277 Murray St., Rochester, N.Y.	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 10	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
32B	36175-32B	Kitchen	Brown	Underlayment ~~Backer Board~~		2	F	–	
32C	32C	"	Gray	Cement		3	NF	–	
33A	33A	Basement Stairwell	Green Marble Pattern	Floor Tile		1	NCB	–	✓
33B	33B	" "	Green	Flooring		2	NCB	+	
33C	33C	" "	Brown	Mastic		3	NCB	–	✓
34	34	Apt. 2 - 2nd Floor Bedroom #1	Gray	Wall Plaster		1	F	–	
35	35	Bathroom	Tan	Wall Panel Mastic		1	NCB	–	✓
36	36	"	Light Gray	Ceiling Plaster		1	F	–	
37A	37A	Bathroom	Tan/Silver	16x16 Floor Tile		1	NCB	–	✓
37B	37B	"	Yellow/Brown	12x12 Floor Tile		2	NF	–	

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Address:	30 Church Street	Turn Around: Immed. 24 Hr 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 275-277 Murray St., Rochester, N.Y.	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 10	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
38A	36175-38A	Bathroom	white	Base Cove		1	NOB	-	✓
38B	38A	"	yellow	Mastic		2	NOB	-	✓
39A	39A	Apt-2- 1st Floor Living Room	white	Ceiling Texture		1	F	-	
39B	39B	" "	"	Ceiling Spackle		2	F	-	
40	40	Living Room	white	Wall Spackle Patching		1	F	-	
41A	41A	Dining Room	white	Wall Spackle		1	F	-	
~~42A~~ 41B	41B	" "	Tan/Brown	Dry Wall Mastic		2	NOB	-	✓
42A	42A	Kitchen	white	Wall Sheet Vinyl		1	NF	-	
42B	42B	"	white	Wall Spackle		2	F	-	
43	43	Kitchen	Gray	2x4 Ceiling Tile		1	F	-	✓

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Rochester, New York 14614
Contact: Curt Colombo
Phone # Fax #

Sampling Date: 12/19/12
Lab No.: 36175
Turn Around: Immed. 24 Hr 48Hr. Std.
TEM: Send Notify First
Location: 275-277 Murray St., Rochester, N.Y.
Sampled By: R. Arthurs
No. Samples: 6

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
44	36175-44	Kitchen	Tan	Base Cove Mastic		1	NOB	–	✓
45A	45A	"	Black & White	12X12 Floor Tile		1	NOB	–	✓
45B	45B	"	yellow	Sheet Vinyl		2	F	–	
46	46	Basement Stairwell	white	Ceiling Texture		1	F	–	
47A	47A	" "	Brown	Sheet Vinyl		1	NF	–	
47B	47B	" "	yellow	Mastic		2	NOB	–	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
RECEIVED BY:
DATE: 12/26/12 TIME: 6:45

Relinquished By: [signature]
DATE: 12/26/12 TIME: 6:48

OWI (410) 247-2024 159202 210 REV. 6.08

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 514872

Mailing/Billing Information:
1. Client Name: Lozier Environmental Consulting, Inc.
2. Address 1: 2011 East Main Street
3. Address 2: Rochester, NY 14609
4. Address 3:
5. Phone #: (585) 654-9080 Fax #: (585) 654-9662

Submittal Information:
1. Job Name: City of Rochester
2. Job Location: 275-277 MURRAY ST
3. Job #: 36175 P.O. #:
4. Contact Person: Jeanna DeNike @ phone # (585) 654-9080
5. Submitted by: T. Bush Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)
☐ Immediate Date Due:
☐ 24 Hours Time Due:
Comments:

NORMAL BUSINESS HOURS
☐ Immediate ☒ 3 Day
☐ Next Day ☐ 5 Day +
☐ 2 Day Date Due: 1/4/13 1/3/13
☐ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)

REPORT TO:
☒ Include COC/Field Data Sheets with Report
☒ Email: lozierenv@aol.com
☐ Fax:
☐ Verbals:

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
☐ NIOSH 7400 (QTY)
☐ Fiberglass (QTY)
TEM Air – Please Indicate Filter Type:
☐ AHERA (QTY)
☐ NIOSH 7402 (QTY)
☐ Other (specify) (QTY)
PLM Bulk
☐ EPA 600 – Visual Estimate (QTY)
☐ EPA Point Count (QTY)
☐ NY State Friable 198.1 (QTY)
☐ Grav. Reduction ELAP 198.6 (QTY)
☐ Other (specify) (QTY)
MISC
☐ Vermiculite
☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

TEM Bulk
☐ ELAP 198.4/Chatfield (QTY)
☐ NY State PLM/TEM (QTY)
☒ Residual Ash 50 (QTY)
TEM Dust
☐ Qual. (pres/abs) Vacuum/Dust (QTY)
☐ Quan. (s/area) Vacuum D5755-95 (QTY)
☐ Quan. (s/area)Dust D6480-99 (QTY)
TEM Water
☐ Qual. (pres/abs) (QTY)
☐ ELAP 198.2/EPA 100.2 (QTY)
☐ EPA 100.1 (QTY)

☒ All samples received in good condition unless otherwise noted. (TEM Water samples °C)

Metals Analysis
☐ Pb Paint Chip (QTY)
☐ Pb Dust Wipe (wipe type) (QTY)
☐ Pb Air (QTY)
☐ Pb Soil/Solid (QTY)
☐ Pb TCLP (QTY)
☐ Drinking Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
☐ Waste Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
☐ Pb Furnace (Media) (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples:
Collection Media
☐ Spore-Trap (QTY) ☐ Surface Vacuum Dust (QTY)
☐ Surface Swab (QTY) ☐ Culturable ID Genus (Media) (QTY)
☐ Surface Tape (QTY) ☐ Culturable ID Species (Media) (QTY)
☐ Other (Specify) (QTY)

CLIENT ID NUMBER	SAMPLE INFORMATION: SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	MATRIX: DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY) Date/Time: Contact: By:
					X						X						
SEE ATTACHED FIELD DATA SHEETS																	
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: 12/26/12 @ 1030 Via: FedEx By (Print): NAM Sign:
2. Date/Time Analyzed: 1/2/13 @ 19:00 By (Print): Ang Gao Sign:
3. Results Reported To: Jeanna Via: Email Date: 1/2/13 Time: 19:10 Initials:
4. Comments: ECDI 9442 5426

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434
LICENSE NUMBER: 29997
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/17/2012
EXPIRATION DATE: 05/31/2013

Duly Authorized Representative – Ronald A Arthurs

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

STATE OF NEW YORK DEPARTMENT OF LABOR

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 11770

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Serial No.: 46501

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 10920

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

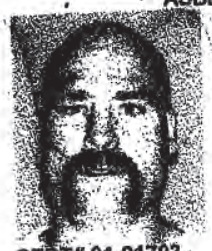
Sample Preparation Methods

	ASTM E-1979-04
	EPA 600/R-93/200

Serial No.: 46674

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RON A ARTHURS
CLASS(EXPIRES)
C ATEC(07/13) D INSP(07/13)
H PM (07/13)

CERT# 91-01793
DMV# 107698477
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANGELA MITCHELL
CLASS(EXPIRES)
D INSP(08/13)

CERT# 05-07912
DMV# 526446604
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LONNIE FLINDNER
CLASS(EXPIRES)
C ATEC(08/12) D INSP(08/12)
H PM (08/12)

CERT# 97-13919
DMV# 202917970
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR GRY
HGT 5' 09"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LESTER J NOTTLER
CLASS(EXPIRES)
C ATEC(04/13) D INSP(04/13)
H PM (04/13)

CERT# 06-12599
DMV# 950405445
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

PRE-DEMOLITION ASBESTOS SURVEY

391 MURRAY STREET
ROCHESTER, NEW YORK

PREPARED FOR:

CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614

October 10, 2012

Lozier
Environmental Consulting, Inc.

Prepared By: Angela Liddell

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

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- Asbestos Survey
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Laboratory Analytical Reports and Chains of Custody

Certifications

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on September 26, 2012 at 391 Murray Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story home with a basement.

New York State Department of Labor certified inspector Lester Mottler conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
    a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
    b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6*; Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AmeriSci, which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 11480).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); ”Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department’s Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located.” The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 391 Murray Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	*Flue Patch	Good	Friable	1 Square Foot
	*Duct Seam Tape on Cold Air Return	Good	Friable	1 Square Foot
	Transite Siding (stack)	Good	Non-Friable	10 Square Feet

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Front Porch	Transite Siding	Good	Non-Friable	100 Square Feet
Front Room	*Duct Wrap Insulation – Ceiling	Good	Friable	9 Square Feet
Dining Room	Storm Window Caulk	Good	NOB	2 Square Feet
Kitchen	Transite Siding (stack)	Good	Non-Friable	50 Square Feet
Side Entry	Storm Window Caulk	Good	NOB	3 Square Feet

SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Bedroom 2	Storm Window Caulk	Good	NOB	1 Square Foot
	*Duct Wrap Insulation – In Floor	Good	Friable	10 Square Feet

EXTERIOR

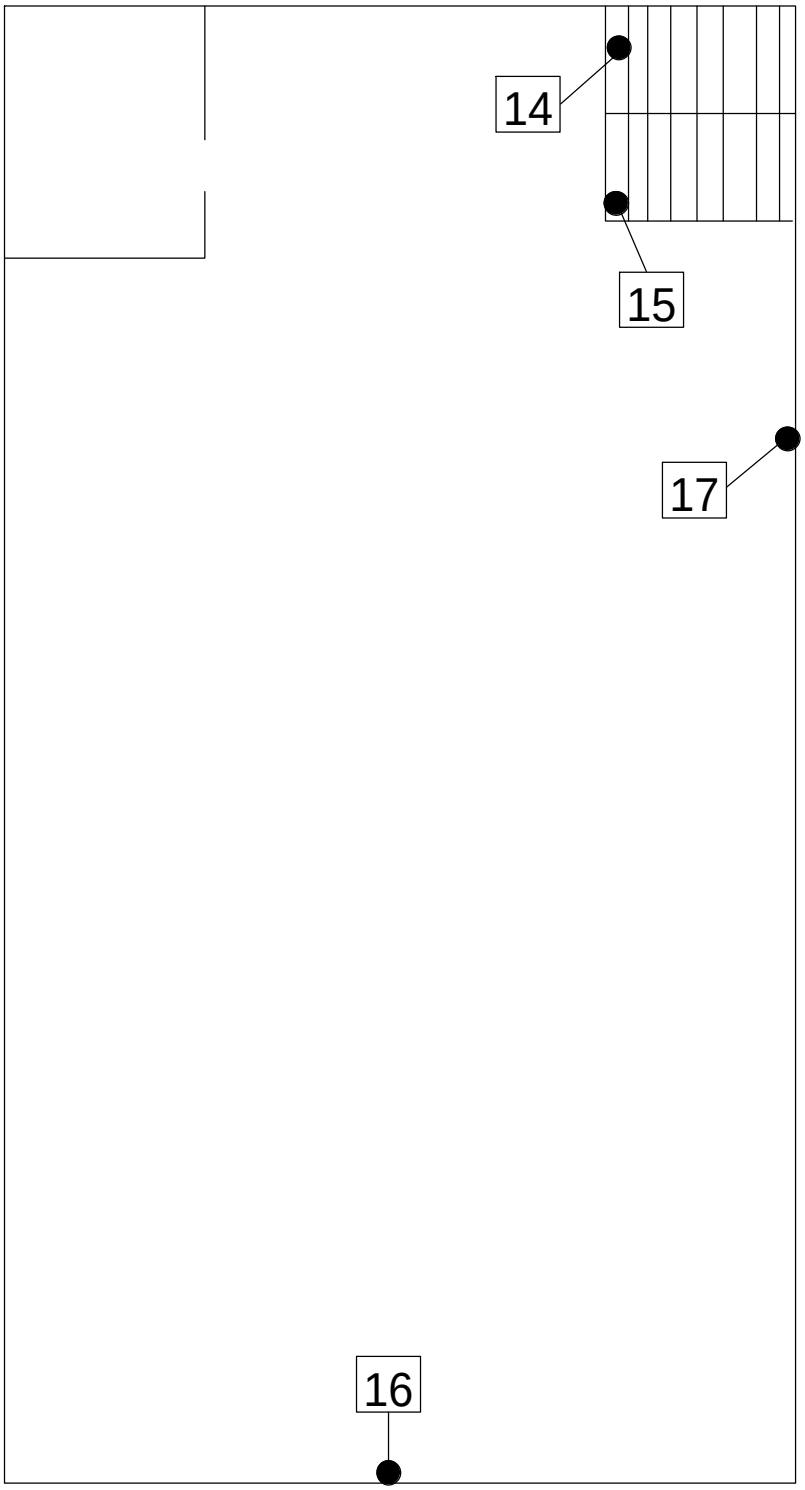
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	White Transite Siding	Good	Non-Friable	1,440 Square Feet
	Grey Transite Siding/Window Caulk – located at siding seams and around the perimeter of each window and door	Good	NOB	

ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Front Porch Roof, Upper House Roof, and Side Roof – Flashing	Black Flashing on Roof Edges	Good	NOB	12 Square Feet

Notes:

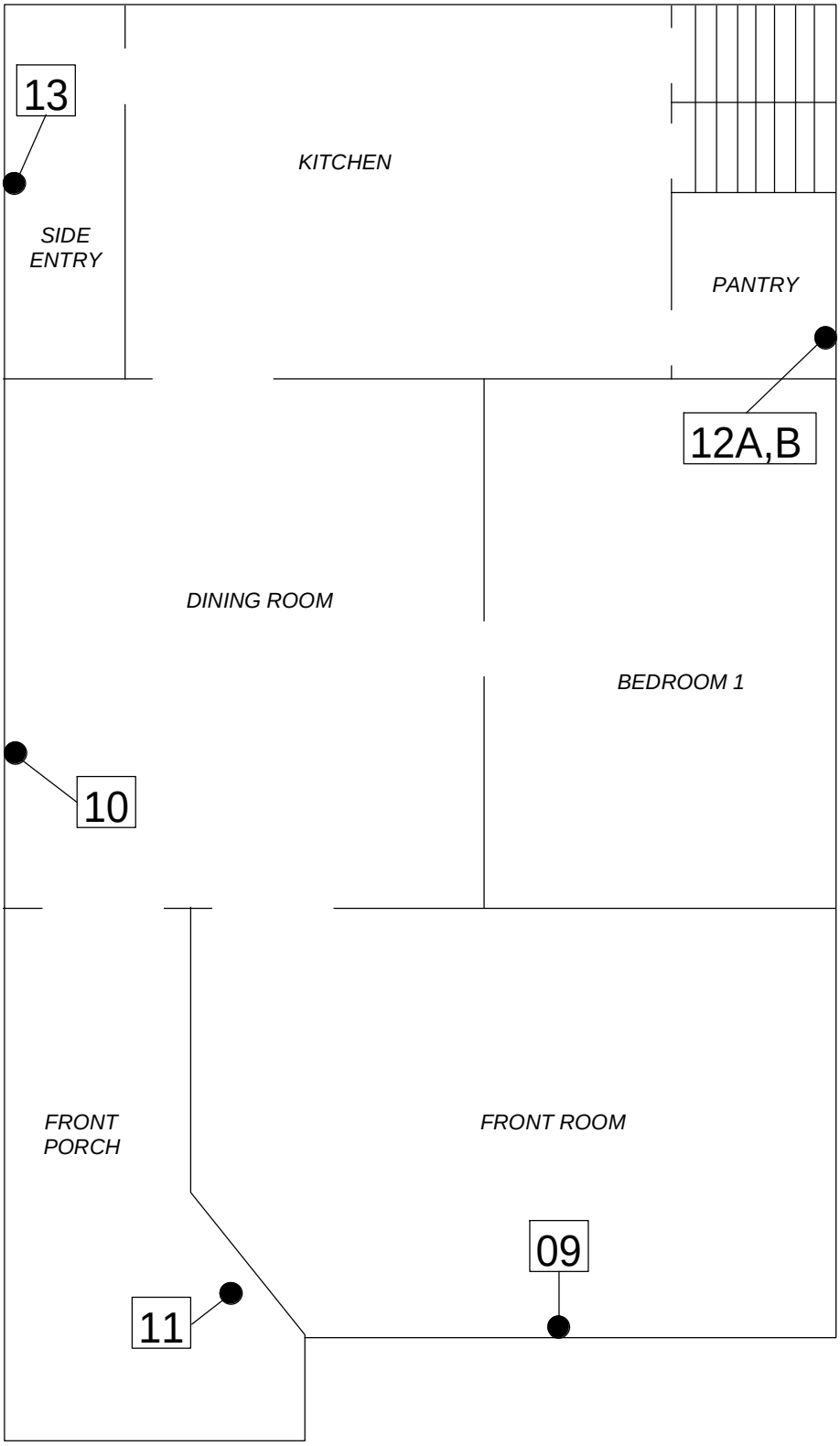
- Condition: ***Good*** = No visible damage and/or very limited deterioration. ***Fair*** = visible damage or deterioration on less than 25% of the material. ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch, duct seam tape, and duct wrap insulation were not sampled and are presumed to be asbestos containing.



PRE-DEMOLITION ASBESTOS SURVEY
BASEMENT
SAMPLE LOCATIONS

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

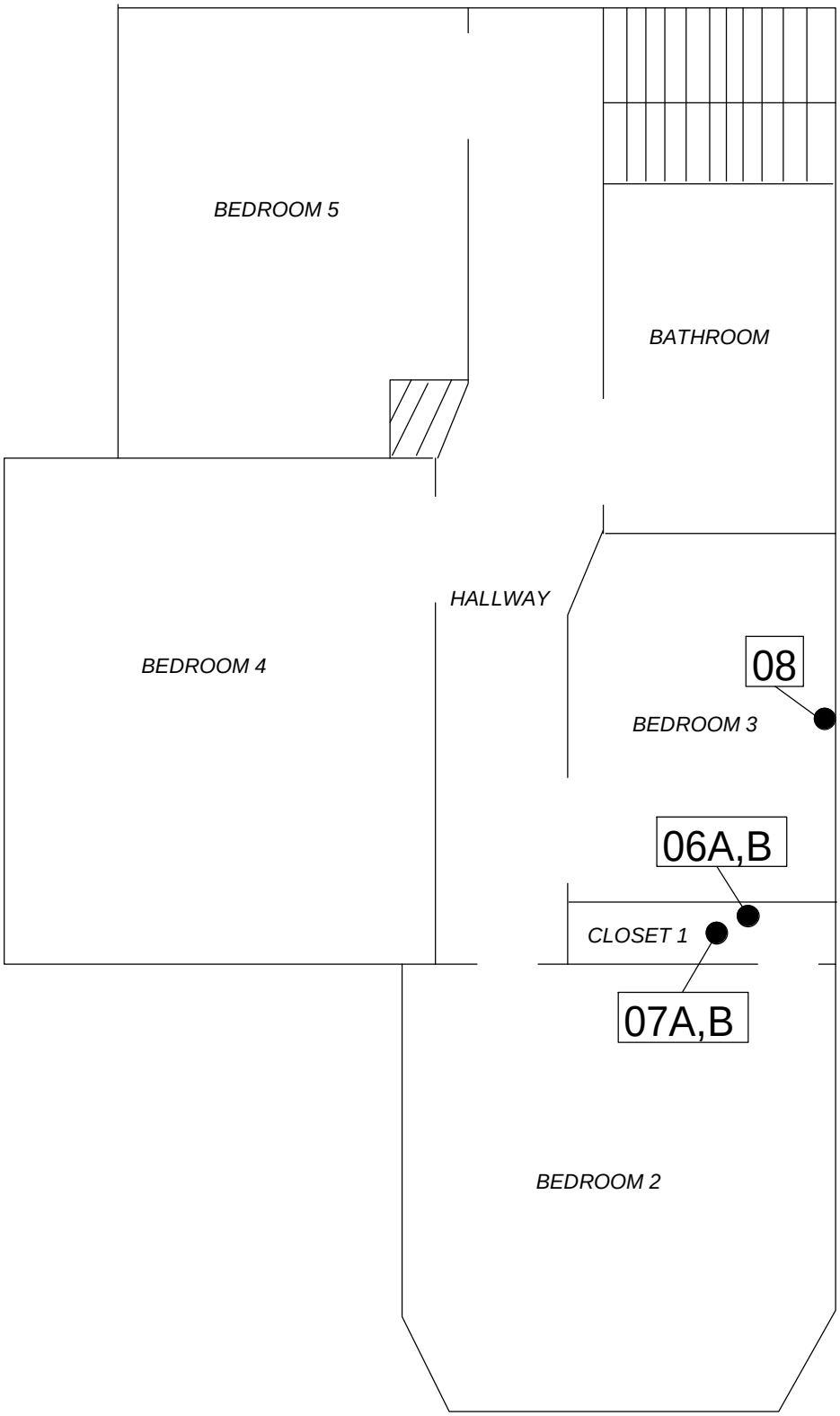
LOZIER ENVIRONMENTAL CONSULTING, INC. SEPTEMBER 26, 2012



PRE-DEMOLITION ASBESTOS SURVEY
FIRST FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

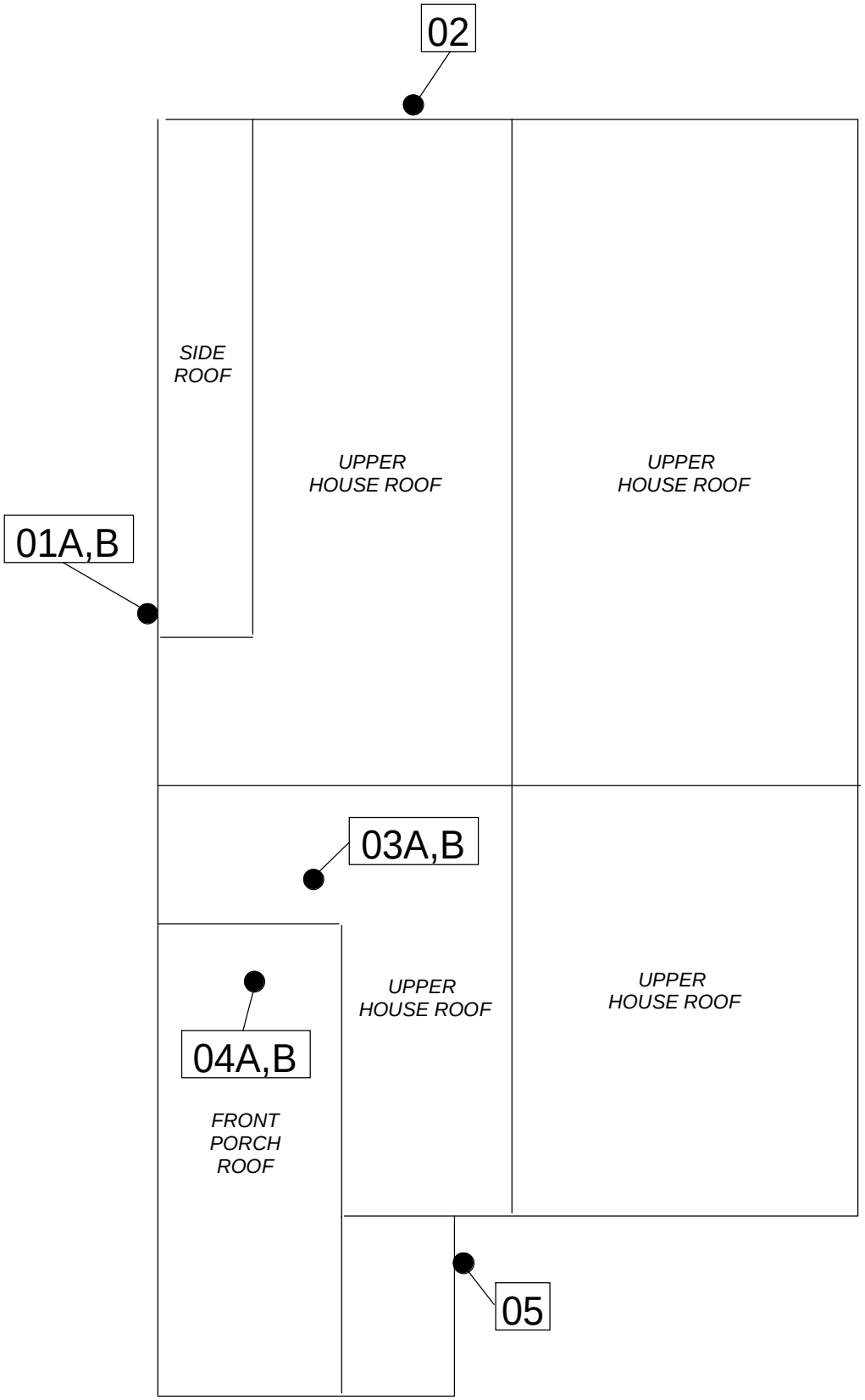
LOZIER ENVIRONMENTAL CONSULTING, INC. SEPTEMBER 26, 2012



PRE-DEMOLITION ASBESTOS SURVEY
SECOND FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. SEPTEMBER 26, 2012



PRE-DEMOLITION ASBESTOS SURVEY
ROOF AND EXTERIOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
391 MURRAY STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. SEPTEMBER 26, 2012

391 MURRAY STREET
ROCHESTER, NEW YORK

Figure 1: 391 Murray Street, Rochester, New York

Figure 2: Exterior - Sample No. 1A: White Transite Siding

Figure 3: Exterior - Sample No. 2: Grey Transite Siding/Window Caulk

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 391 Murray Street, Rochester, New York

Laboratory No.: 35153
Date Received: 9/27/12
Report Date: 9/27/12
Analysis Date: 9/27/12
Page: 1 of 2
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/26/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	L. Mottler	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	23

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
1A	35153-1A	Exterior	White Transite Siding 1st Layer	Chrysotile 26.7%	26.7%		NF	None Detected 0%	73.3%
1B	35153-1B	Exterior	Black Underlayment 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
2	35153-2	Exterior	Grey Transite/Window Caulk	Chrysotile 2.7%	2.7%		NOB	None Detected 0%	97.3%
3A	35153-3A	Upper House Roof Main	Brown Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 15%	85%
3B	35153-3B	Upper House Roof Main	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
4A	35153-4A	Front Porch Roof Roof Main	Brown Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 25%	75%
4B	35153-4B	Front Porch Roof Roof Main	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
5	35153-5	Front Porch Roof Edge Flashing	Black Flashing	Chrysotile 20.5%	20.5%		NOB	None Detected 0%	79.5%
6A	35153-6A	Bedroom 2 - Closet 1	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
6B	35153-6B	Bedroom 2 - Closet 1	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 6%	94%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

Lozier
Environmental Consulting Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 391 Murray Street, Rochester, New York

Laboratory No.: 35153
Date Received: 9/27/12
Report Date: 9/27/12
Analysis Date: 9/27/12
Page: 1 of 2
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/26/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	L. Mottler	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	23

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
7A	35153-7A	Bedroom 2 - Closet 1	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
7B	35153-7B	Bedroom 2 - Closet 1	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
8	35153-8	Bedroom 3	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
9	35153-9	Front Room	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
10	35153-10	Dining Room	White Storm Window Caulk	Chrysotile 5.5%	5.5%		NOB	None Detected 0%	94.5%
11	35153-11	Front Porch	Grey Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 90%	10%
12A	35153-12A	Pantry	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
12B	35153-12B	Pantry	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 6%	94%
13	35153-13	Side Entry	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
14	35153-14	Stairwell to Basement Landing	Grey Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 90%	10%
15	35153-15	Lower Basement Stairs	Brown/Blue Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 95%	5%
16	35153-16	Basement	Pink/White Wall Coating	None Detected 0%	0%		F	None Detected 0%	100%
17	35153-17	Basement	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

AmeriSci Job #: **212094822**

Client Name: Lozier Environmental Consulting, Inc.

Table I

Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method

City Of Rochester; 391 Murray St.

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
01	35153-1B		—	—	—	—	NAD
Location:	Bulk Material - 8% Acid Residue						
02	35153-3A		—	—	—	—	NAD
Location:	Bulk Material - 33% Acid Residue						
03	35153-3B		—	—	—	—	NAD
Location:	Bulk Material - 24% Acid Residue						
04	35153-4A		—	—	—	—	NAD
Location:	Bulk Material - 35% Acid Residue						
05	35153-4B		—	—	—	—	NAD
Location:	Bulk Material - 1.2% Acid Residue						
06	35153-8		—	—	—	—	NAD
Location:	Bulk Material - 6% Acid Residue						
07	35153-9		—	—	—	—	NAD
Location:	Bulk Material - 4% Acid Residue						
08	35153-13		—	—	—	—	Anthophyllite <1.0
Location:	Bulk Material - 19% Acid Residue						
09	35153-17		—	—	—	—	NAD
Location:	Bulk Material - 2% Acid Residue						

Analyzed by: Aleksandr Barengolts_____, Date Analyzed 10/2/2012

**Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester
Address: 30 Church Street
Rochester, New York 14614
Contact: Curt Colombo
Phone # Fax #

Sampling Date: 9/26/12 Lab No.: 35153
Turn Around: Immed. 24 Hr. 48Hr. Std. TEM: Send Notify First
Location: 391 Murray St., Rochester, N.Y.
Sampled By: L. MOTTLER
No. Samples: 10 23

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
1A	35153-1A	Exterior	White	Transite Siding		1	NF	+	
1B	1B	"	Black	Underlayment		2	NCB	-	✓
2	2	Exterior	Gray	Transite/Window Caulk		1	NCB	+	
3A	3A	Upper-House Roof Main	Brown	Shingle		1	NCB	-	✓
3B	3B	" " "	Black	Felt		2	NCB	-	✓
4A	4A	Front Porch Roof Roof Main	Brown	Shingle		1	NCB	-	✓
4B	4B	" " "	Black	Felt		2	NCB	-	✓
5	5	Front Porch Roof Edge	Black	Flashing		1	NCB	+	
6A	6A	Bedroom 2 Closet 1	White	Wall Plaster		1	F	-	
6B	6B	" "	Gray	" "		2	F	-	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
RECEIVED BY:
DATE: 9/27/12 TIME: 4:48

Relinquished By:
DATE: 9/26/12 TIME:

PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester
Address: 30 Church Street
Rochester, New York 14614
Contact: Curt Colombo
Phone # Fax #

Sampling Date: 9/26/12 Lab No.: 35153
Turn Around: Immed. 24 Hr. 48Hr. Std. TEM: Send Notify First
Location: 391 Murray St., Rochester, N.Y.
Sampled By: L. MOTTLER
No. Samples: 10 (23)

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
7A	35153-7A	Bedroom 2 Closet 1	White	Ceiling Plaster		1	F	–	
7B	7B	"	Gray	" "		2	F	–	
8	8	Bedroom 3	White	Window Glaze		1	NOB	–	✓
9	9	Front Room	Beige	Window Glaze		1	NOB	–	✓
10	10	Dining Room	White	Storm Window Caulk		1	NOB	+	
11	11	Fr. Porch	Gray	Sheet Vinyl		1	NF	–	
12A	12A	Pantry	White	Wall Plaster		1	F	–	
12B	12B	"	Gray	" "		2	F	–	
13	13	Side Entry	White	Window Glaze		1	NOB	–	✓
14	14	Stairwell To Basement Landing	Gray	Sheet Vinyl		1	NF	–	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
RECEIVED BY:
DATE: 9/27/12 TIME: 6:45

Relinquished By:
DATE: 9/26/12 TIME: 6

PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester
Address: 30 Church Street
Rochester, New York 14614
Contact: Curt Colombo
Phone # Fax #

Sampling Date: 9/26/12
Lab No.: 35153
Turn Around: Immed. 24 Hr. 48Hr. Std. TEM: Send Notify First
Location: 391 Murray St., Rochester, N.Y.
Sampled By: L. MOTTLER
No. Samples: 3

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
15	35153-15	Lower Basement Stairs	Brown/Blue	Sheet Vinyl		1	NF	-	
16	16	Basement	Pink/White	Wall Coating		1	F	-	
17	17	Basement	Beige	Window Glaze		1	NB	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
RECEIVED BY:
DATE: 9/27/12 TIME: 645

Relinquished By:
DATE: 9/26/12 TIME:

LOZIER ENVIRONMENTAL CONSULTING, INC. ELAP No. 11770
2011 EAST MAIN STREET, ROCHESTER, NY 14609

TEM NOB ASBESTOS ANALYSIS CHAIN of CUSTODY

Lozier Contact: Tamar Bush
Office Phone: 585-654-9080
Office Fax: 585-654-9662

Turn Around: RUSH <12 Hrs. <24 Hrs. <48 Hrs. <72 Hrs.
Sample Type: Whole Bulk
Acid Residue

Location: City of Rochester 391 MURRAY ST
No. Samples: 9

Lozier Sample ID	Percent Inert (Acid) Residue	Lozier Sample ID	Percent Inert (Acid) Residue
35153-1B	8		
3A	33		
3B	24		
4A	35		
4B	1.2		
8	6	212094822	
9	4		
13	19		
17	2		

Shipped by:
Date: 9/28/12

Received By: Yaum
Date: 9/29/12 1319

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434
LICENSE NUMBER: 29997
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/17/2012
EXPIRATION DATE: 05/31/2013

Duly Authorized Representative – Ronald A Arthurs:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Serial No.: 46501

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 11480

MR. PAUL MUCHA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

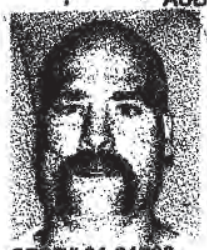
Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 46752

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RON A ARTHURS
CLASS(EXPIRES)
C ATEC(07/13) D INSP(07/13)
H PM (07/13)

CERT# 91-01793
DMV# 107698477
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANDREA MANDELL
CLASS(EXPIRES)
D INSP(08/13)

CERT# 05-07912
DMV# 526446604
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LONNIE F LINDNER
CLASS(EXPIRES)
C ATEC(08/12) D INSP(08/12)
H PM (08/12)

CERT# 97-13819
DMV# 202917970
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR GRY
HGT 5' 09"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LESTER J MOTTLER
CLASS(EXPIRES)
C ATEC(04/13) D INSP(04/13)
H PM (04/13)

CERT# 06-12599
DMV# 950405445
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

536 Hayward Avenue

Dept. of Neighborhood & Business Development
Rochester, New York

Pre-Demolition
Asbestos Inspection

January 2013

536 Hayward Avenue
Rochester, New York

Pre-Demolition Asbestos Inspection

January 2013

Prepared For:

City of Rochester
Department of Neighborhood and Business Development
City Hall, Room 005-A
30 Church Street
Rochester, New York 14614-1290

Prepared By:

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
11 Centre Park, Suite 203
Rochester, New York 14614

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8.0 Homogeneous ACM/PACM Summary Form 10

9.0 Bulk Sampling Summary Form 12

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Table 1 - Homogeneous ACM/PACM Summary Form 10
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Appendix A - Survey Forms and Floor Plans
Appendix B - Photos of Asbestos Containing Materials
Appendix C - Photos of Non-Asbestos Containing Materials
Appendix D - Asbestos Bulk Sample Analytical Results and Chain-of-Custody Records
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Executive Summary

Barton & Loguidice, P.C. (B&L) was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct a pre-demolition asbestos inspection of 536 Hayward Avenue in Rochester, New York. The purpose of the survey was to identify and quantify suspect asbestos-containing materials (ACMs) prior to the anticipated demolition of the structure. The inspection was conducted on December 21 and 31, 2012. This report represents the conditions of the property at the time of the survey.

Materials suspected of potentially containing asbestos were sampled by B&L's New York State Certified Asbestos Inspectors. These materials included plaster, stuccos, sheetrock, window glaze, floor tiles, linoleum sheeting, vapor barriers, mastic material, electrical caulk, and roofing materials.

The following materials were determined to be ACM:

Material Code	Description	Quantity
VS03	Gray Marbled Sheeting	100 SF
VS05	Green Sheeting	47 SF
EC01	Black Electrical Caulk	1 SF
RM04	Black Roof Cement	17 SF

The following material was presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	156 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of ACM in the building.

Since the building is slated for demolition, all materials identified as ACM and PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

1.0 Introduction

B&L was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct an asbestos inspection of 536 Hayward Avenue in Rochester, New York. The inspection was designed to determine the presence and quantity of ACM/PACM prior to demolition of the structure. B&L's inspection team consisted of New York State Department of Labor (NYSDOL) accredited inspectors Timothy Strzepek (Certificate No. 90-03209) and Michael Goff (Certificate No. 01-07588). B&L's license and each inspector's asbestos certificates are presented in Appendix E. The inspection was performed on December 21 and 31, 2012.

2.0 Building Description

The building located at 536 Hayward Avenue is a three-story wood frame structure with a basement and an attic. The entire building encompassed approximately 3,300 square feet of area including the basement and attic. Interior finishing materials consisted of plaster, stuccos, sheetrock, floor tiles, and linoleum sheeting. The exterior consisted of wood siding over vapor barrier, and wood or vinyl siding over wood siding, vapor barrier, and wood. There was one gas-operated furnace, two gas-operated water heaters and one fuel oil tank located in the basement. This description represents the condition of the building at the time of the survey.

There was a one-story garage located to the north of the structure. The entire wood framed structure encompassed approximately 450 square feet of area.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located in the building were not insulated. Some ducts located in the building were insulated. These observations suggest that hidden pipes are not insulated while hidden ducts may be insulated. However, we were unable to access all pipes and ducts. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

3.0 Scope of Work

The above referenced building was surveyed for the presence of thermal system insulation, surfacing materials, and miscellaneous materials suspected of containing asbestos. Both friable and non-friable materials were sampled.

The inspection was performed in accordance with the requirements of Part 56 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56, as amended and adopted March 21, 2007), Section 56-5.1, *Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling, and Repair*. Inspection procedures followed the requirements of the Environmental Protection Agency (EPA) found at 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools; Final Rule and Notice, *Asbestos Hazard Emergency Response Act* (AHERA).

When suspect ACM was encountered, the material was assessed, quantified, and either assumed to be ACM or sampled. The condition of the material was also noted on the survey form. The condition of the ACM and PACM materials is reported in Table 1. The sample location was noted in the field sketches. Sample locations are summarized in Table 2, Bulk Sampling Summary Form. Each sample was sent to a laboratory accredited by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) and the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) for analysis.

4.0 Field Survey Procedures

Survey procedures call for an accredited inspector to visually inspect, identify, and assess all homogeneous areas for friable and non-friable suspected asbestos-containing building materials (ACBM). Once all materials were assessed and information recorded, sampling was initiated. The sampling protocol for each homogeneous material was as follows:

4.1 Surfacing Materials

These materials include spray-applied or trowelled-on materials such as plaster, stucco, and fireproofing.

- Three (3) bulk samples were collected from each homogeneous material.

4.2 Thermal System Insulation (TSI)

TSI includes materials such as pipe, boiler, tank, and exhaust breaching insulation, and duct insulation.

- Materials identified as ACM from previous pre-demolition surveys such as aircell pipe and fittings, transite piping, and duct insulation were presumed to be ACM (PACM) and not sampled.
- One (1) sample from materials including patched TSI, which was not assumed to be ACM, if the patched section was less than 6 linear or square feet. Otherwise, three (3) samples were collected.

4.3 Miscellaneous Material

This category includes materials such as roofing and siding materials, ceiling tile, floor tile, vinyl sheeting, baseboard molding, and other miscellaneous materials.

- Two (2) samples were collected from each homogeneous ceiling tile or panel and each (NOB) non-friable material and three (3) samples collected for each friable miscellaneous material.

Bulk samples were not collected from any homogeneous material where the accredited inspector determined that the material was fiberglass, foam, glass, rubber, or other non-ACM.

5.0 Description of Sampling Method

Whenever samples were collected, non-assessment personnel were restricted from the area. The material to be sampled was misted with water to minimize fiber release. The material was penetrated with the appropriate sampling tool down to the structural member and a sample of approximately two (2) square centimeters extracted. The sample was placed in a clear plastic container, the container wiped with a damp cloth, sealed, and labeled with a unique sample identification number. The sample site was then sealed and labeled (where appropriate).

Sampling tools were cleaned with a damp cloth and the area wet wiped of any debris. Potentially contaminated rags, debris, suits, plastic, etc. were collected in plastic bags and returned to B&L's office for subsequent disposal. Respirators equipped with P-100 High Efficiency Particulate Air (HEPA) filters were worn by the inspectors during the sample collection and cleaning procedure for friable material at the inspector's discretion.

6.0 Analytical Methods

Bulk samples collected at the building were analyzed by AmeriSci New York (AmeriSci), 117 East 30th Street, New York, New York. AmeriSci is accredited by NIST under the National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis of bulk samples (Accreditation Number 200546-0). AmeriSci is also accredited by the New York State Department of Health under the Environmental Laboratory Approval Program (ELAP, Accreditation No. 11480).

Samples were analyzed by polarized light microscopy (PLM) in accordance with the NYSDOH *Polarized Light Microscopy Method for Identifying and Quantifying Asbestos in Bulk Samples* (ELAP Method 198.1). Samples were analyzed sequentially until positive for asbestos or until each sample in the set was analyzed. A material was classified as non-asbestos containing only if each sample in the set was determined to be less than one percent by weight (<1%).

Non-friable organically bound (NOB) materials, such as floor tiles, mastic and roofing materials, and ceiling tiles/panels containing cellulose that were found to be <1% by PLM, were also analyzed using the NYSDOH *Transmission Electron Microscopy (TEM) Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples* (ELAP Method 198.4). If TEM confirmed that the asbestos content was <1%, the material was considered non-asbestos containing.

7.0 Survey Results

The results of the on-site survey are summarized in Table 1 - “Homogeneous ACM/PACM Summary Form” found in section 8.0. Table 1 is a material-by-material listing of the location, condition, and quantity of ACM/PACM in the building.

Appendix A - “Survey Form and Floor Plans” is a room-by-room listing of the location of suspect materials in each functional area inspected. The survey form was completed in the field and incorporates the inspector’s field observations. A description of each of the columns on the form and how they were completed can also be found in Appendix A.

Appendix B and Appendix C present photographs of ACM, PACM, and non-ACM, respectively.

Laboratory results and completed copies of the chain of custody records are presented in Appendix D - Asbestos Bulk Sample Analytical Results.

The following materials were determined to be ACM:

Material Code	Description	Quantity
VS03	Gray Marbled Sheeting	100 SF
VS05	Green Sheeting	47 SF
EC01	Black Electrical Caulk	1 SF
RM04	Black Roof Cement	17 SF

The following material was presumed to be ACM:

Material Code	Description	Quantity
DI01	Duct Insulation	156 SF

The other materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Refer to Table 1 – "Homogeneous ACM/PACM Summary Form" for a listing of the location, condition, and quantity of the ACM in the building.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. Pipes located in the building were not insulated. Some ducts located in the building were insulated. These observations suggest that hidden pipes are not insulated while hidden ducts may be insulated. However, we were unable to access all pipes and ducts. Therefore, if suspect materials are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material identifies the material as non-ACM.

Since the building is slated for demolition, all materials identified as ACM/PACM should be removed prior to commencement of demolition activities. The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

8.0 Homogeneous ACM/PACM Summary Form

The quantities of the homogeneous ACM/PACM identified within the building are summarized on Table 1. The information is listed by homogeneous material code and presents the location, class, description, condition, and quantity of the ACM/PACM as it occurs. The total quantity of each ACM/PACM found in the building has been calculated and is presented at the end of the list. The information presented on the form is derived from information on the Survey Form (Appendix A), the sample results, and the floor plans.

Table 1
Homogeneous ACM/PACM Summary Form
City of Rochester
536 Hayward Avenue
Rochester, NY

December 21 and 31, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
VS03	204	M	Gray Marbled Sheeting	VS03A,B	Poor	100	**Y**
					TOTAL	**100 SF**	
VS05	205	M	Green Sheeting	VS05A	Poor	27	**Y**
	206	M		VS05B	Poor	20	**Y**
					TOTAL	**47 SF**	
DI01	002	T	Duct Insulation	**Not Sampled**	Poor	60	**PACM**
	003	T		**Not Sampled**	Poor	2	**PACM**
	101	T		**Not Sampled**	Poor	22	**PACM**
	102	T		**Not Sampled**	Poor	20	**PACM**
	104	T		**Not Sampled**	Poor	26	**PACM**
	105	T		**Not Sampled**	Poor	20	**PACM**
	201	T		**Not Sampled**	Poor	2	**PACM**
	202	T		**Not Sampled**	Poor	2	**PACM**
DI01	206	T	Duct Insulation	**Not Sampled**	Poor	2	**PACM**
					TOTAL	**156 SF**	
EC01	Exterior	M	Black Electrical Caulk	EC01A,B	Poor	1 SF	**Y**
					TOTAL	**1 SF**	

Table 1 - Continued
Homogeneous ACM/PACM Summary Form
City of Rochester
536 Hayward Avenue
Rochester, NY

December 21 and 31, 2012

Material Code	Material Location	Material Class	Material Description	Sample ID	Condition	Quantity	ACM?
RM04	R100	M	Black Roof Cement		Poor	12	**Y**
	R101	M			Poor	2	**Y**
	R102	M		RM04A,B	Poor	3	**Y**
					TOTAL	**17 SF**	

9.0 Bulk Sampling Summary Form

This form presents a summary of the bulk sampling performed at the building. It lists the material code, material description, sample location, sample ID, and the analytical results. Results for PLM and TEM analyses are presented as appropriate.

Table 2
Bulk Sampling Summary Form
City of Rochester
536 Hayward Avenue
Rochester, NY

December 21 and 31, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
VS03	Gray Marbled Sheeting	204	VS03A	<0.25% CH	**1.6% CH**
	Gray Marbled Sheeting	204	VS03B	NAD	NA
VS05	Green Sheeting	205	VS05A	NAD	**1.6% CH**
	Green Sheeting	206	VS05B	NAD	NA
DI01	Duct Insulation	**Not Sampled**	**Not Sampled**	**PACM**	**PACM**
EC01	Black Electrical Caulk	Exterior	EC01A	NAD	**1.6% CH**
	Black Electrical Caulk	Exterior	EC01B	NAD	NA
RM04	Black Roof Cement	R102	RM04A	**22.9% CH**	NA
	Black Roof Cement	R102	RM04B	NA	NA
TM01	Typical Plaster (Finish Coat)	100	TM01A	NAD	-
	Typical Plaster (Base Coat)	100	TM01A	NAD	-
	Typical Plaster (Finish Coat)	103	TM01B	NAD	-
	Typical Plaster (Base Coat)	103	TM01B	NAD	-
	Typical Plaster (Finish Coat)	200	TM01C	NAD	-
	Typical Plaster (Base Coat)	200	TM01C	NAD	-
TM02	Typical Stucco	101	TM02A	NAD	-
	Typical Stucco	102	TM02B	NAD	-
	Typical Stucco	201	TM02C	NAD	-
TM03	Ceiling Stucco	200	TM03A	NAD	-
	Ceiling Stucco	206	TM03B	NAD	-
	Ceiling Stucco	206	TM03C	NAD	-
WB01	Typical Sheetrock	100	WB01A	NAD	-
	Typical Sheetrock	101	WB01B	NAD	-
	Typical Sheetrock	200	WB01C	NAD	-
WG01	Window Glaze	102	WG01A	NAD	NAD
	Window Glaze	204	WG01B	NAD	NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
536 Hayward Avenue
Rochester, NY

December 21 and 31, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
FT01	12x12" Gray Floor Tile 12x12" Gray Floor Tile	104 104	FT01A FT01B	NAD NAD	NAD NAD
FT02	Tan Design Floor Tile Tan Design Floor Tile	106 105	FT02A FT02B	NAD NAD	NAD NAD
FT03	12"x12" Tan and Brown Geometric Floor Tile 12"x12" Tan and Brown Geometric Floor Tile	107 107	FT03A FT03B	NAD NAD	NAD NAD
FT04	12"x12" Brown Wood Pattern Floor Tile 12"x12" Brown Wood Pattern Floor Tile	207 207	FT04A FT04B	NAD NAD	NAD NAD
FT05	Wood Pattern Floor Tile Wood Pattern Floor Tile	204 204	FT05A FT05B	NAD NAD	NAD NAD
FT06	12"x12" Green Marble Design Floor Tile 12"x12" Green Marble Design Floor Tile	205 206	FT06A FT06B	NAD NAD	NAD NAD
VS01	Tan Large Square Sheeting Tan Large Square Sheeting	104 105	VS01A VS01B	NAD NAD	NAD NAD
VS02	Wood Pattern Sheeting Wood Pattern Sheeting	204 204	VS02A VS02B	NAD NAD	NAD NAD
VS04	Blue Sheeting Blue Sheeting	204 204	VS04A VS04B	NAD NAD	NAD NAD
VB01	Brown Vapor Barrier Brown Vapor Barrier Brown Vapor Barrier	101 101 103	VB01A VB01B VB01C	NAD NAD NAD	- - -
VB02	Brown Vapor Barrier Brown Vapor Barrier Brown Vapor Barrier	Exterior Exterior Exterior	VB02A VB02B VB02C	NAD NAD NAD	- - -
MM01	Brown Wall Mastic Brown Wall Mastic	107 107	MM01A MM01B	NAD NAD	NAD NAD
RM01	Light Gray Roof Shingle Light Gray Roof Shingle	R102 R102	RM01A RM01B	NAD NAD	NAD NAD
RM02	Green/Gray Roof Shingle Green/Gray Roof Shingle	R102 R102	RM02A RM02B	NAD NAD	NAD NAD

Table 2 - Continued
Bulk Sampling Summary Form
City of Rochester
536 Hayward Avenue
Rochester, NY

December 21 and 31, 2012

Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
RM03	Dark Gray Roof Shingle	R102	RM03A	NAD	NAD
	Dark Gray Roof Shingle	R100	RM03B	NAD	NAD
RM05	Green, White, Black Roof Shingle	R100	RM05A	NAD	NAD
	Green, White, Black Roof Shingle	R100	RM05B	NAD	NAD
RM06	Light Gray Roof Shingle	R103	RM06A	NAD	NAD
	Light Gray Roof Shingle	R103	RM06B	NAD	NAD
RM07	Black Tar Paper	R103	RM07A	NAD	NAD
	Black Tar Paper	R103	RM07B	NAD	NAD

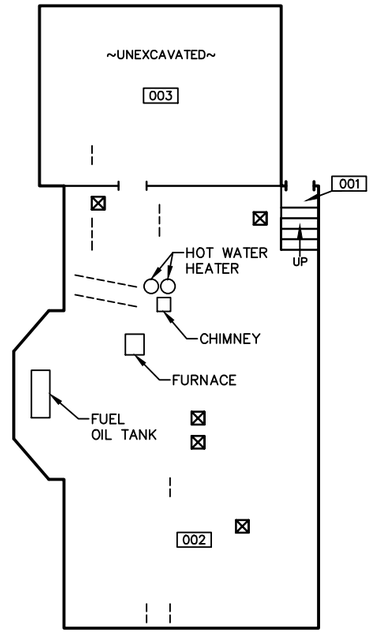
< = Less Than % = Percent
PLM = Polarized Light Microscopy
TEM = Transmission Electron Microscopy
NAD = No Asbestos Detected
NA = Not Analyzed
Trace = Indicates <1% asbestos by weight

CH = Chrysotile Asbestos
AM = Amosite Asbestos
CR = Crocidolite Asbestos
AN = Anthophyllite Asbestos
TR = Tremolite Asbestos
AC = Actinolite Asbestos

N

LEGEND

- PRESUMED ASBESTOS CONTAINING DUCT INSULATION
- ASBESTOS CONTAINING ROOF CEMENT
- ASBESTOS CONTAINING SHEETING
- ASBESTOS CONTAINING ELECTRICAL CAULK



BASEMENT PLAN
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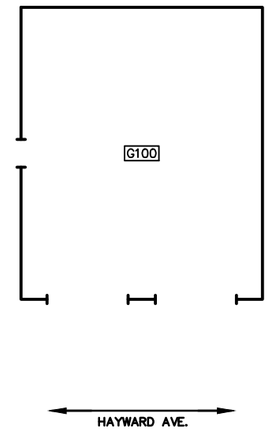

GARAGE FLOOR PLAN
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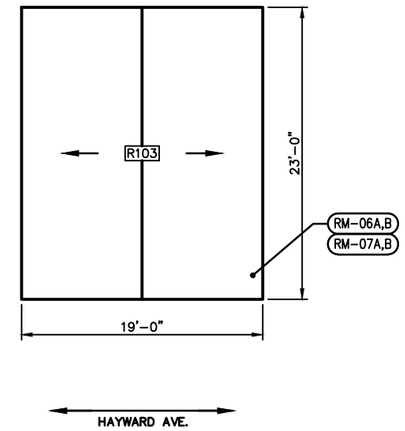

GARAGE ROOF PLAN
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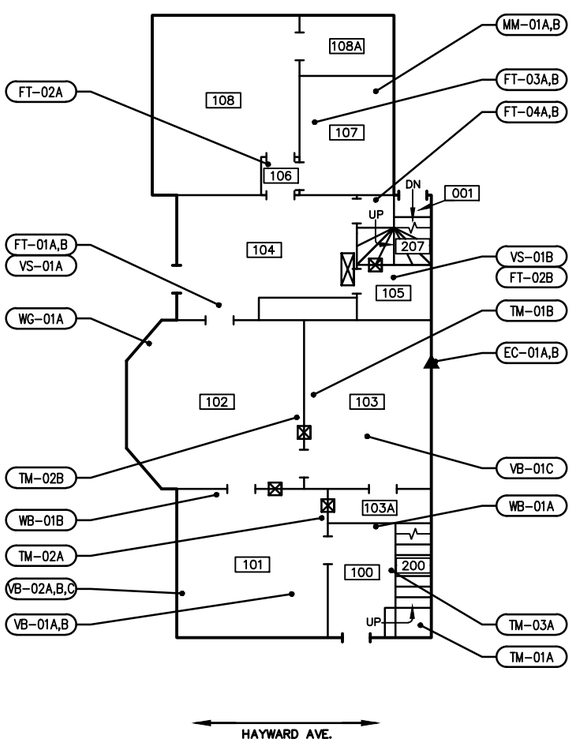
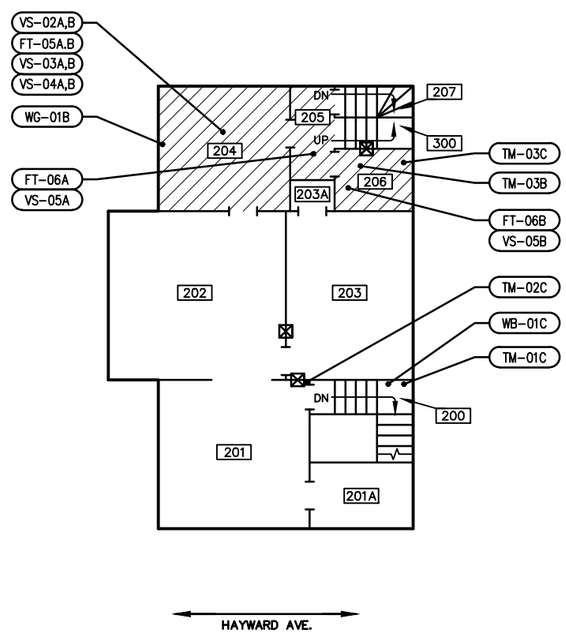


FIRST FLOOR PLAN
NOT TO SCALE



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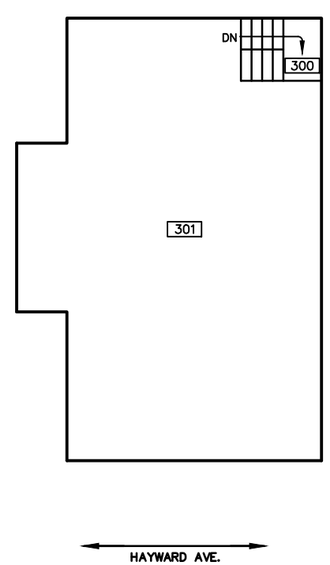

ATTIC PLAN
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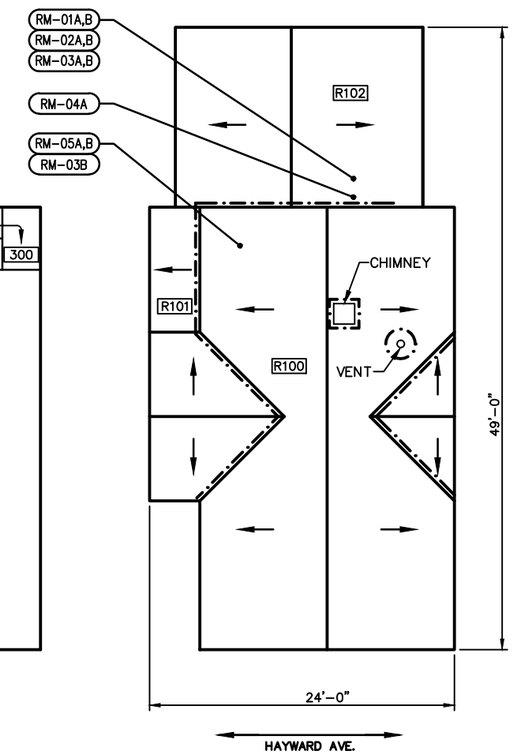

ROOF PLAN
NOT TO SCALE

CITY OF ROCHESTER
ASBESTOS SURVEY

536 HAYWARD AVENUE

Barton & Loguidice, P.C.

Date
JANUARY, 2013

Scale
NOT TO SCALE

Figure Number
1

Project Number
981.004

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PRE-DEMOLITION ASBESTOS SURVEY

766 SMITH STREET
ROCHESTER, NEW YORK

PREPARED FOR:

CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614

October 12, 2012

Lozier
Environmental Consulting, Inc.

Prepared By: Angela Liddell

CITY OF ROCHESTER
766 SMITH STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

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- Asbestos Survey
- Regulatory Review

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Conclusions

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- Sample Locations

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- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

CITY OF ROCHESTER
766 SMITH STREET
ROCHESTER, NEW YORK

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on September 4, 2012 at 766 Smith Street, Rochester, New York. This report refers to the interior and exterior of a vacant, one-story home with a basement.

New York State Department of Labor certified inspector Ron Arthurs conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
    a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
    b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6*; Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); ”Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department’s Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located.” The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

CITY OF ROCHESTER
766 SMITH STREET
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 766 Smith Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

CITY OF ROCHESTER
766 SMITH STREET
ROCHESTER, NEW YORK

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT AND CRAWLSPACE

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Basement Stairwell	Window Glaze	Good	NOB	½ Square Foot
	Wall Texture over Wall Spackle on Drywall	Good	Friable	
Throughout	*Flue Patch	Good	Friable	1 Square Foot
	Window Glaze	Good	NOB	5 Square Feet
	*Pipe Insulation and Associated Mudded Joint/Hanger Packings – runs on top of foundation walls	Good	Friable	
Crawlspace	*Pipe Insulation and Associated Mudded Joint/Hanger Packings – runs on top of foundation walls	Good	Friable	

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Front Entry	Wall Texture -over- Wall Spackle on Drywall	Good	Friable	192 Square Feet
Front Room	Wall Spackle on Drywall	Good	Friable	192 Square Feet
Side Porch	Wall Spackle on Drywall	Good	Friable	32 Square Feet
Bedroom 1 Closet	Wall Spackle on Drywall	Good	Friable	80 Square Feet
Bathroom	Wall Spackle on Drywall	Good	Friable	9 Square Feet
Bedroom 2	Wall Spackle on Drywall	Good	Friable	60 Square Feet
Room 1	Wall Spackle on Drywall	Good	Friable	60 Square Feet
Room 1 Closet	Wall Spackle on Drywall	Good	Friable	192 Square Feet
Room 2	Wall Spackle on Drywall – 2 walls	Good	Friable	160 Square Feet
	Blue 12”x12” Floor Tile -over- Red Brick Pattern Sheet Vinyl -over- Black Felt	Good	Friable	180 Square Feet
Room 3	Wall Spackle on Drywall	Good	Friable	415 Square Feet
Room 3 Closet	Wall Spackle on Drywall	Good	Friable	176 Square Feet

ATTIC

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	*Pipe Insulation	Good	Friable	1 Linear Foot

EXTERIOR

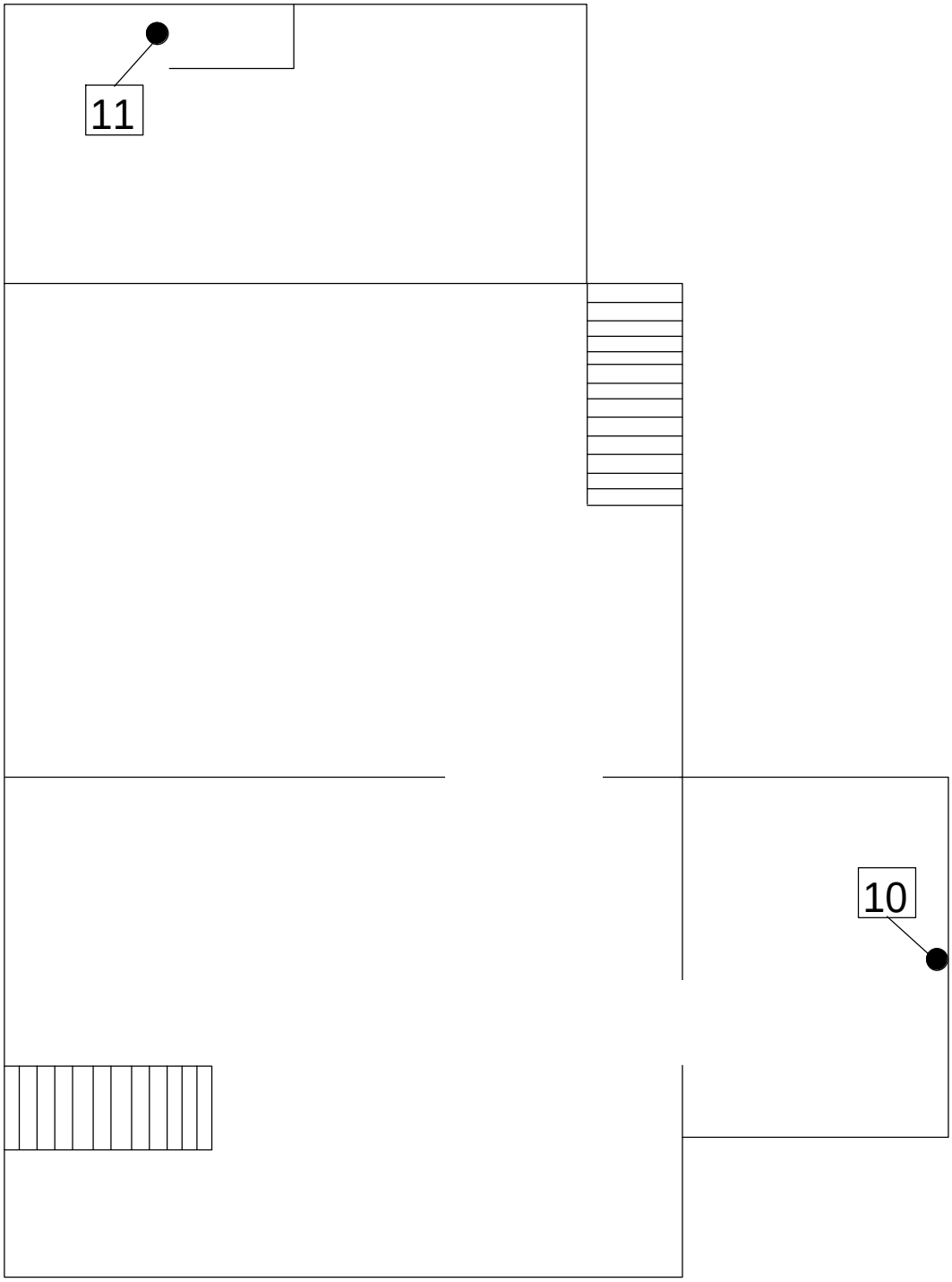
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	Grey Transite Siding	Good	Non-Friable	1,315 Square Feet
	Green Siding Caulk	Good	NOB	

ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Front Flat Roof and House Roof: Roof Main	Roof Shingle -over- Tar/90 Weight Roll Roofing – 2 Layers -over- Roof Shingle -over- 90 Weight Roll Roofing – 2 Layers	Good	NOB	2,830 Square Feet
	Grey/Black Tar Flashing on Chimney, Valley, Roof Edges, Penetrations, Roof Patches, and Nail Heads	Good	NOB	110 Square Feet

Notes:

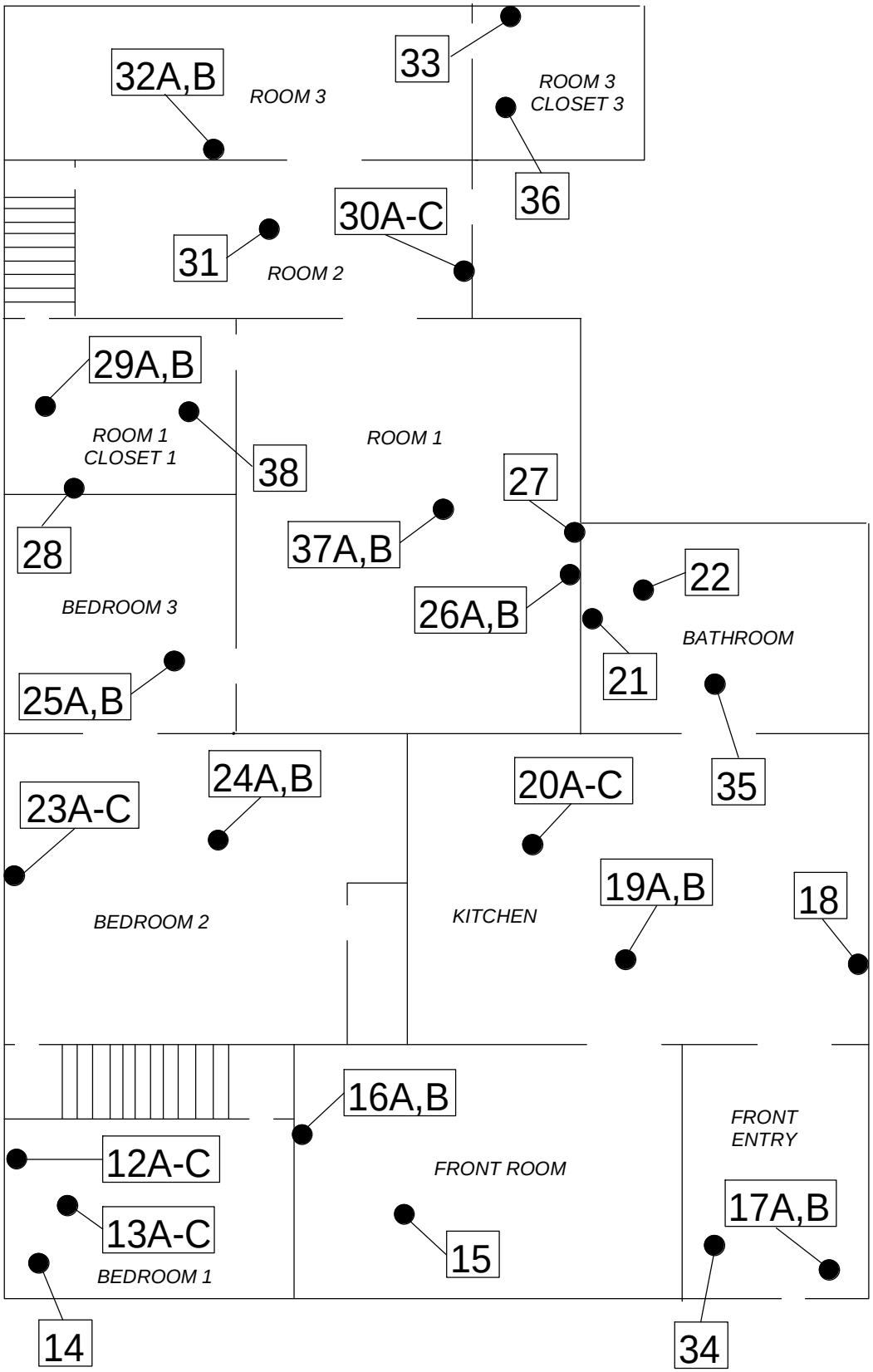
- Condition: ***Good*** = No visible damage and/or very limited deterioration. ***Fair*** = visible damage or deterioration on less than 25% of the material. ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch, pipe insulation, and associated mudded joint packings were not sampled and are presumed to be asbestos containing.



PRE-DEMOLITION ASBESTOS SURVEY
BASEMENT
SAMPLE LOCATIONS

CITY OF ROCHESTER
766 SMITH STREET
ROCHESTER, NEW YORK

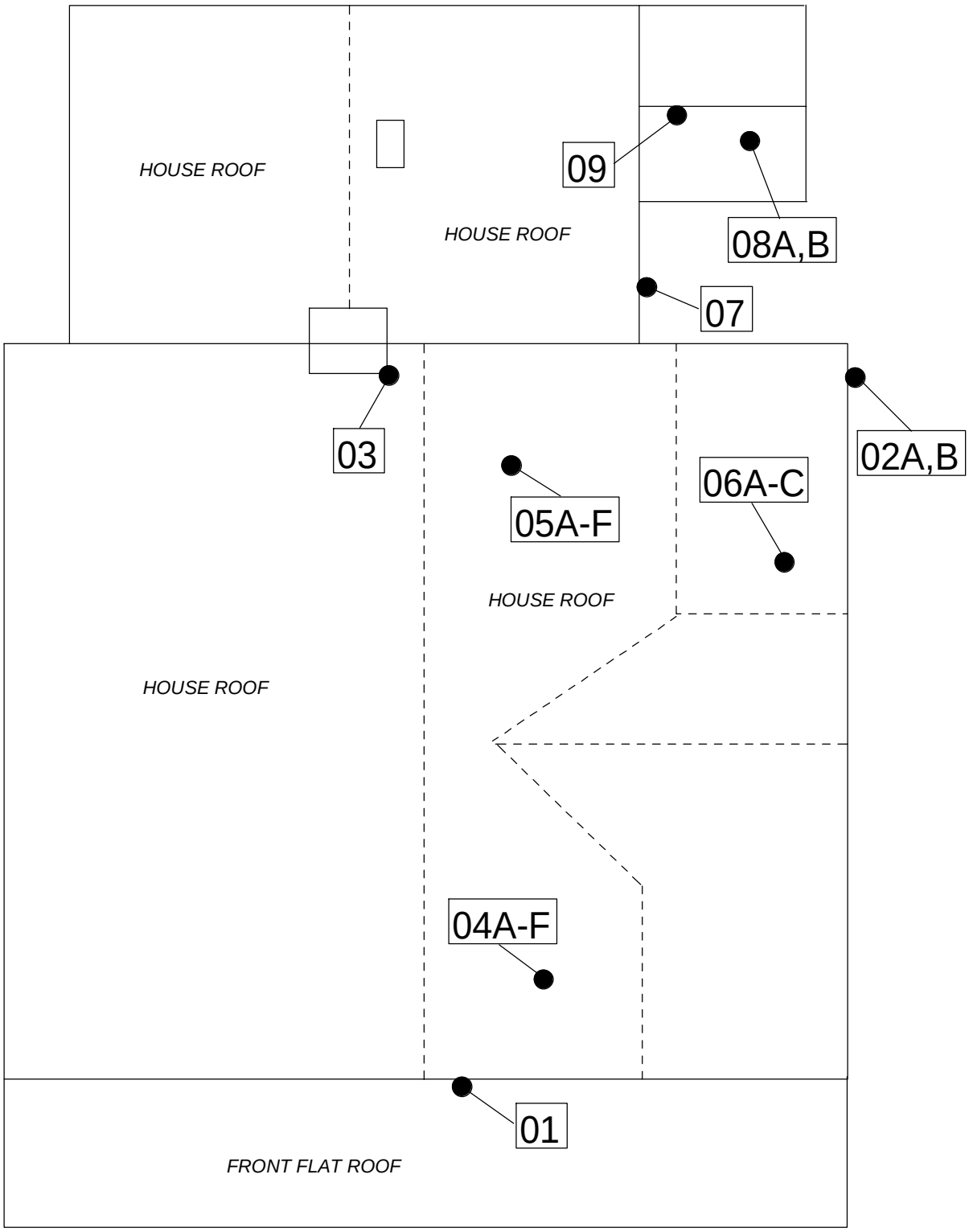
LOZIER ENVIRONMENTAL CONSULTING, INC. SEPTEMBER 4, 2012



PRE-DEMOLITION ASBESTOS SURVEY
FIRST FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
766 SMITH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. SEPTEMBER 4, 2012



PRE-DEMOLITION ASBESTOS SURVEY
ROOF AND EXTERIOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
766 SMITH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. SEPTEMBER 4, 2012

766 SMITH STREET
ROCHESTER, NEW YORK

Figure 1: 766 Smith Street, Rochester, New York

Figure 2: Exterior- Sample No. 7: Grey Transite Siding

Figure 3: Exterior- Sample No. 1: Green Siding Caulk

Figure 4: Front Entry- Sample No. 16AB: Wall Texture over Wall Spackle on Drywall

Figure 5: Side Porch - Sample No 9: Wall Spackle on Drywall

Figure 6: Bathroom - Sample No 21: Wall Spackle on Drywall

Figure 7: Room 1 - Sample No 27: Wall Spackle on Drywall

Figure 8: Room 2 - Sample No 30A-C: Blue 12”x12” Floor Tile over Red Brick Pattern Sheet Vinyl over Black Felt

Figure 9: Room 3 Closet - Sample No 33: Wall Spackle on Drywall

Figure 10: Basement - Sample No 10: Window Glaze

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 766 Smith Street, Rochester, New York

Laboratory No.: 34939
Date Received: 9/10/12
Report Date: 9/24/12
Analysis Date: 9/17/12 - 9/20/12
Page: 1 of 7
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/4/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
1	34939-1	Exterior	Green Siding Caulk	Chrysotile 1.2%	1.2%		NOB	None Detected 0%	98.8%
2A	34939-2A	Exterior	Grey Transite Siding 1st Layer	None Detected 0%	0%		NF	Cellulose 45%	55%
2B	34939-2B	Exterior	Black Felt Underlayment 2nd Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	Cellulose 90%	>10%
3	34939-3	House Roof Flashing	Grey/Black Tar Flashing	Chrysotile 13.2%	13.2%		NOB	None Detected 0%	86.8%
4A	34939-4A	House Roof - Roof Main	White/Black Roof Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 30%	70%
4B	34939-4B	House Roof - Roof Main	Black Tar/90 Weight Roll Roofing 2nd Layer	Chrysotile 1.5%	1.5%		NOB	None Detected 0%	98.5%
4C	34939-4C	House Roof - Roof Main	Red/Black 90 Weight Roll Roofing 3rd Layer	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%
4D	34939-4D	House Roof - Roof Main	Tan/Black Roof Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
4E	34939-4E	House Roof - Roof Main	Red/Black 90 Weight Roll Roofing 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
4F	34939-4F	House Roof - Roof Main	Black 90 Weight Roll Roofing 6th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: 766 Smith Street, Rochester, New York

Laboratory No.: 34939
Date Received: 9/10/12
Report Date: 9/24/12
Analysis Date: 9/17/12 - 9/20/12
Page: 2 of 7
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/4/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
5A	34939-5A	House Roof - Roof Main	White/Black Roof Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 30%	70%
5B	34939-5B	House Roof - Roof Main	Black Tar/90 Weight Roll Roofing 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
5C	34939-5C	House Roof - Roof Main	Green/Black Rolled Roofing 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
5D	34939-5D	House Roof - Roof Main	Tan/Black Roof Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
5E	34939-5E	House Roof - Roof Main	Red/Black 90 Weight Roll Roofing 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
5F	34939-5F	House Roof - Roof Main	Black 90 Weight Roll Roofing 6th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
6A	34939-6A	House Roof - Roof Main	Black Roof Shingle (Under 4A) 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 26%	74%
6B	34939-6B	House Roof - Roof Main	Black Tar/90 Weight Roll Roofing 2nd Layer	Chrysotile 1.4%	1.4%		NOB	None Detected 0%	98.6%
6C	34939-6C	House Roof - Roof Main	Black Tar/Felt 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
7	34939-7	Exterior	Grey Transite Siding	Chrysotile 28.6%	28.6%		NF	None Detected 0%	71.4%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

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Approved By: J. DeNike Laboratory Director

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Report Date: 9/24/12
Analysis Date: 9/17/12 - 9/20/12

TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/4/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
8A	34939-8A	Side Porch	Grey/Pink Sheet Vinyl 1st Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
8B	34939-8B	Side Porch	Grey Felt Underlayment 2nd Layer	None Detected 0%	0%		F	Cellulose 100%	0%
9	34939-9	Side Porch	White Wall Spackle	Chrysotile 2.4%	2.4%		F	None Detected 0%	97.6%
10	34939-10	Basement	Beige Window Glaze	Tremolite 2%	2%		NOB	None Detected 0%	98%
11	34939-11	Basement	Tan/Brown Mottled Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 96%	4%
12A	34939-12A	Bedroom 1	Brown Wall Panel Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
12B	34939-12B	Bedroom 1	White Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
12C	34939-12C	Bedroom 1	Grey Wall Plaster 3rd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
13A	34939-13A	Bedroom 1	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
13B	34939-13B	Bedroom 1	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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Analysis Date: 9/17/12 - 9/20/12
Page: 4 of 7
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SAMPLE INFORMATION

Sample Date:	9/4/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
13C	34939-13C	Bedroom 1	Grey Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	Cellulose 4%	96%
14	34939-14	Bedroom 1	Beige 12"X12" Floor Tile	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
15	34939-15	Front Room	White/Beige Ceiling Spackle	Chrysotile <1%	<1%		F	None Detected 0%	>99%
16A	34939-16A	Front Room	White Wall Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
16B	34939-16B	Front Room	Beige Wall Spackle 2nd Layer	Chrysotile 1.2%	1.2%		F	None Detected 0%	98.8%
17A	34939-17A	Front Entry	Brown Mosaic 12"X12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
17B	34939-17B	Front Entry	Dark Yellow Sheet Vinyl 2nd Layer	None Detected 0%	0%		NF	None Detected 0%	100%
18	34939-18	Kitchen	Light Brown Wall Panel Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
19A	34939-19A	Kitchen	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
19B	34939-19B	Kitchen	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%

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Approved By: _____
J. DeNike Laboratory Director

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Project Site: 766 Smith Street, Rochester, New York

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Analysis Date: 9/17/12 - 9/20/12

TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/4/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
20A	34939-20A	Kitchen	Dark Green Marbled 12"X12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
20B	34939-20B	Kitchen	Brown Wood Tone 12"X12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
20C	34939-20C	Kitchen	Grey Flooring 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
21	34939-21	Bathroom	White/Beige Wall Spackle	Chrysotile 2.2%	2.2%		F	None Detected 0%	97.8%
22	34939-22	Bathroom	White 12"X12" Floor Tile	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 3%	97%
23A	34939-23A	Bedroom 2	White Wall Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
23B	34939-23B	Bedroom 2	White Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
23C	34939-23C	Bedroom 2	Grey Wall Plaster 3rd Layer	None Detected 0%	0%		F	Animal Hair 6%	94%
24A	34939-24A	Bedroom 2	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
24B	34939-24B	Bedroom 2	White Ceiling Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%

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Project Site: 766 Smith Street, Rochester, New York

Laboratory No.: 34939
Date Received: 9/10/12
Report Date: 9/24/12
Analysis Date: 9/17/12 - 9/20/12

TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/4/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
25A	34939-25A	Bedroom 3	Brown/Grey Pattern 12"X12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 2%	98%
25B	34939-25B	Bedroom 3	Beige Sheet Vinyl 2nd Layer	None Detected 0%	0%		F	Cellulose 70% Fiberglass 25%	5%
26A	34939-26A	Room 1	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
26B	34939-26B	Room 1	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
27	34939-27	Room 1	White/Beige Wall Spackle	Chrysotile 2.5%	2.5%		F	None Detected 0%	97.5%
28	34939-28	Room 1 - Closet	White/Beige Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%
29A	34939-29A	Room 1 - Closet	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
29B	34939-29B	Room 1 - Closet	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		NF	None Detected 0%	100%
30A	34939-30A	Room 2	Blue 12"X12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
30B	34939-30B	Room 2	Red Brick Pattern Sheet Vinyl 2nd Layer	Chrysotile 33.3%	33.3%		F	Cellulose 60%	6.7%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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Date Received: 9/10/12
Report Date: 9/24/12
Analysis Date: 9/17/12 - 9/20/12

Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	9/4/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
30C	34939-30C	Room 2	Black Felt 3rd Layer	None Detected 0%	0%		NF	Cellulose 96%	4%
31	34939-31	Room 2	Black Felt Paper Over Wood Ceiling	None Detected 0%	0%		NF	Cellulose 95%	5%
32A	34939-32A	Room 3	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
32B	34939-32B	Room 3	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 5%	95%
33	34939-33	Room 3 - Closet	White/Grey Wall Spackle	Chrysotile 2.1%	2.1%		F	None Detected 0%	97.9%

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.
Analytical results relate only to the sample received and analyzed.

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	513976
Address:	2011 East Main Street	**Job Location:**	766 Smith	**Date Analyzed:**	9/27/2012
	Rochester, New York 14609	**Job Number:**	34939	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
12095214	34939-4C	Residue	3.8%	N/A	3.8%	Chrysotile	59.1%	3.1%	34.0%			
12095215	34939-4D	Residue	NAD	N/A	NAD		55.5%	5.0%	39.5%			
12095216	34939-4E	Residue	NAD	N/A	NAD		40.3%	5.1%	54.6%			
12095217	34939-4F	Residue	TR	N/A	TR	Chrysotile	95.3%	0.6%	4.1%			
12095218	34939-5A	Residue	NAD	N/A	NAD		19.0%	31.3%	49.7%			
12095219	34939-5B	Residue	NAD	N/A	NAD		42.7%	12.2%	45.1%			
12095220	34939-5C	Residue	NAD	N/A	NAD		37.6%	5.2%	57.2%			
12095221	34939-5D	Residue	NAD	N/A	NAD		52.6%	2.1%	45.3%			
12095222	34939-5E	Residue	NAD	N/A	NAD		61.0%	1.3%	37.7%			
12095223	34939-5F	Residue	NAD	N/A	NAD		69.9%	3.2%	26.9%			
12095224	34939-12A	Residue	NAD	N/A	NAD		50.8%	2.2%	47.0%			
12095225	34939-14	Residue	NAD	N/A	NAD		17.3%	59.4%	23.3%			
12095226	34939-17A	Residue	NAD	N/A	NAD		28.2%	64.2%	7.6%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

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AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	513976
Address:	2011 East Main Street	**Job Location:**	766 Smith	**Date Analyzed:**	9/27/2012
	Rochester, New York 14609	**Job Number:**	34939	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
12095228	34939-20A	Residue	NAD	N/A	NAD		23.5%	66.5%	10.0%			
12095229	34939-20B	Residue	NAD	N/A	NAD		36.0%	54.4%	9.6%			
12095230	34939-20C	Residue	NAD	N/A	NAD		22.2%	61.7%	16.1%			
12095231	34939-22	Residue	NAD	N/A	NAD		30.8%	63.4%	5.8%			
12095232	34939-25A	Residue	NAD	N/A	NAD		21.1%	75.1%	3.8%			

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change
unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar **Analyst(s)** Michael Creaghan

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

NY ELAP (#10920) Accredited Laboratory

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Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Laboratory No.: 35237
Date Received: 10/4/12
Report Date: 10/4/12
Analysis Date: 10/4/12
Page: 1 of 1

Project Site: 766 Smith Street, Rochester, New York

Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	10/4/12	**Location:** Interior		**Analyst:** S. Lee	
Sampler:	L. Mottler	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	6

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
34	35237-34	Front Entry	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
35	35237-35	Bathroom	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
36	35237-36	Closet 3	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
37A	35237-37A	Room 1	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
37B	35237-37B	Room 1	White Ceiling Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
38	35237-38	Closet 1	White Ceiling Spackle Patch	None Detected 0%	0%		F	None Detected 0%	100%

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sample Date: 9/4/12	Lab No.: 34939
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: Hele Smith Street, Rochester, NY	
Contact:	Curt Colombo	Sampled By: R. Arthur	
Phone #	Fax #	No. Samples: 45	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
1	34939-1	Exterior	Green	Siding Caulk			NOB	+	
2A	2A	↓	Grey	Transite Siding		1	NF	–	
2B	2B	↓	Black	Felt Underlayment		2	NOB	–	CH Tan ✓
3	3	House Roof Flashing	Grey/Black	Tar Flashing			NOB	+	
4A	4A	House Roof Main	White/Blk	Roof Shingle			NOB	–	✓
4B	4B	↓	Black	Tar/90 Weight Roll Roofing			NOB	+	
4C	4C	↓	Red/Black	90 Weight Roll Roofing			NOB	–	CH ✓
4D	4D	↓	Tan/Black	Roof Shingle			NOB	–	✓
4E	4E	↓	Red/Black	90 Weight Roll Roofing			NOB	–	✓
4F	4F	↓	Black	↓	↓		NOB	–	✓

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Relinquished By: Angela Riddell

RECEIVED BY: [illegible]

DATE: 9/10/12 TIME: 715

DATE: 9/10/12 TIME: 715

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sample Date: 9/4/12	Lab No.: 34939
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: Flile Smith Street, Rochester, NY	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples:	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
5A	34939-5A	House Roof Main	White/Black	Roof Shingle		1	NOB	–	✓
5B	5B		Black	Tar/90 Weight Roll Roofing		2	NOB	–	✓
5C	5C		Green/Blk	Rolled Roofing		3	NOB	–	✓
5D	5D		Tan/Black	Roof Shingle		4	NOB	–	✓
5E	5E		Red/Black	90 Weight Roll Roofing		5	NOB	–	✓
5F	5F		Black			6	NOB	–	✓
6A	6A		Black Roof Shingle (Under #4A)			1	NOB	–	✓
6B	6B		Black	Tar/90 Weight Roll Roofing		2	NOB	+	
6C	6C			Tar/Felt		3	NOB	–	✓
7	7	Exterior	Grey	Transite Siding			NF	+	

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sample Date: 9/4/12	Lab No.: 34939
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 7 Hele Smith Street, Rochester, NY	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples:	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
8A	34939-8A	Side Porch	Grey/Pink	Sheet Vinyl		1	NF	–	
8B	8B	↓	Grey	Felt Underlayment		2	F	–	
9	9	↓	White	WSPK			F	+	
10	10	Basement	Beige	Window Glaze			NOB	+	
11	11	↓	Tan/Brown Mottled	Sheet Vinyl			NF	–	
12A	12A	Bedroom 1	Brown	Wall Panel Mastic		1	NOB	–	✓
12B	12B	↓	White	Wall Plaster		2	F	–	
12C	12C	↓	Grey	↓		3	F	–	
13A	13A	↓	White	Ceiling Texture		1	F	–	
13B	13B	↓	↓	Ceiling Plaster		2	F	–	

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client: City of Rochester	Sample Date: 9/4/12	Lab No.: 34939	
Address: 30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First	
Rochester, New York 14614	Location: 7 Hele Smith Street, Rochester, NY		
Contact: Curt Colombo	Sampled By: R. Arthurs		
Phone # Fax #	No. Samples:		

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
13C	34939-13C	Bedroom 1	Grey	Ceiling Plaster		3	F	–	
14	14	↓	Beige	12x12 Floor Tile			NOB	–	✓
15	15	Front Room	White/Beige	CSPK			F	–	CH 21
16A	16A			Wall Texture		1	F	–	
16B	16B	↓	↓ Beige	WSPK		2	F	+	
17A	17A	Front Entry	Brown Mosaic	12x12 FT		1	NOB	–	✓
17B	17B	↓	Dark Yellow	Sheet Vinyl		2	NF	–	
18	18	Kitchen	Light Brown	Wall Panel Mastic			NOB	–	✓
19A	19A		White	Ceiling Plaster		1	F	–	
19B	19B	↓	Grey	↓		2	F	–	

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sample Date: 9/4/12	Lab No.: 34939
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: Hele Smith Street, Rochester, NY	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples:	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
20A	34939-20A	Kitchen	Dark Green Marbled	12x12 Floor Tile		1	NOB	–	✓
20B	20B	↓	Brown Wood Tone	↓ ↓		2	NOB	–	✓
20C	20C	↓	Grey	Flooring		3	NOB	–	✓
21	21	Bathroom	White/Beige	WSPK			F	+	
22	22	↓	↓	12x12 Floor Tile			NOB	–	✓
23A	23A	Bedroom 2	↓	Wall Texture		1	F	–	
23B	23B	↓	↓	Wall Plaster		2	F	–	
23C	23C	↓	Grey	↓		3	F	–	
24A	24A	↓	White	Ceiling Texture			F	–	
24B	24B	↓	↓	CSPK			F	–	

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sample Date: 9/4/12	Lab No.: 34939
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: Hele Smith Street, Rochester, NY	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples:	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
25A	34939-25A	Bedroom 3	Brown/Grey	Pattern 12x12 FT		1	NOB	-	✓
25B	25B	↓	Beige	Sheet Vinyl		2	F	-	
26A	26A	Room 1	White	Wall Plaster		1	F	-	
26B	26B	↓	Grey	↓		2	F	-	
27	27	↓	White/Beige	WSPK			F	+	
28	28	Room 1 - Closet 1	↓	↓			F	-	
29A	29A	↓	↓	Ceiling Plaster		1	F	-	
29B	29B	↓	Grey	↓		2	NF	-	
30A	30A	Room 2	Blue	12x12 FT		1	NOB	-	✓ Vent
30B	30B	↓	Red Brick Pattern	SV		2	F	+	

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PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sample Date: 9/4/12	Lab No.: 34939
Address:	30 Church Street	Turn Around: Immed. 24 Hr. 48Hr. Std.	TEM: Send Notify First
	Rochester, New York 14614	Location: 71 Smith Street, Rochester, NY	
Contact:	Curt Colombo	Sampled By: R. Arthurs	
Phone #	Fax #	No. Samples: 5	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
30C	34939-30C	Room 2	Black	Felt		3	NF	–	
31	31	↓	↓	Felt Paper over Wood Ceiling			NF	–	
32A	32A	Room 3	White	Wall Plaster		1	F	–	
32B	32B	↓	Grey	↓		2	F	–	
33	33	Room 3-Closet 3	White/Grey	WSPK			F	+	

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PLM ASBESTOS BULK MATERIAL SAMPLES

Page 1 of 1

Client: City of Rochester	**Sample Date:** 10/4/12	**Lab No.:** 35237	
Address: 30 Church Street	**Turn Around:** Immed. 24 Hr. 48Hr. Std.	**TEM:** Send Notify First	
Rochester, New York 14614	**Location:** 71 & 73 Smith Street, Rochester, NY		
Contact: Curt Colombo	**Sampled By:** L. Mather		
Phone # **Fax #**	**No. Samples:** 6		

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
34	35232-34	Front Entry	White	CSPK			F	-	
35	35	Bathroom	↓	↓			F	-	
36	36	Closet 3	↓	↓			F	-	
37A	37A	Room 1	↓	Ceiling Texture		1	F	-	
37B	37B	↓	↓	CSPK		2	F	-	
38	38	Closet 1	↓	CSPK Patch			F	-	

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DATE: 10/4/12 TIME: 1:10 pm

DATE: 10/4/12 TIME: 1310

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 513976

Mailing/Billing Information:
1. Client Name: Lozier Environmental Consulting, Inc.
2. Address 1: 2011 East Main Street
3. Address 2: Rochester, NY 14609
4. Address 3:
5. Phone #: (585) 654-9080 Fax #: (585) 654-9682

Submittal Information:
1. Job Name: City of Rochester
2. Job Location: 266 Smith
3. Job #: 341939 P.O. #:
4. Contact Person: Jeanne DeNike @ phone # (585) 654-9080
5. Submitted by: T. Bush Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
☐ Immediate Date Due: ☐ 24 Hours Time Due: Comments:	☐ Immediate ☐ Next Day ☐ 2 Day ☒ 3 Day ☐ 5 Day + Date Due: 9/27/12 ☐ Results Required By Noon (Every Attempt Will Be Made to Accomodate)	☒ Include COC/Field Data Sheets with Report ☒ Email: lozierenv@aol.com ☐ Fax: ☐ Verbals:

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 ____ (QTY)
- ☐ Fiberglass ____ (QTY)

TEM Air – Please Indicate Filter Type:
- ☐ AHERA ____ (QTY)
- ☐ NIOSH 7402 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate ____ (QTY)
- ☐ EPA Point Count ____ (QTY)
- ☐ NY State Friable 198.1 ____ (QTY)
- ☐ Grav. Reduction ELAP 198.6 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

MISC
- ☐ Vermiculite
- ☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

TEM Bulk
- ☐ ELAP 198.4/Chatfield ____ (QTY)
- ☐ NY State PLM/TEM ____ (QTY)
- ☒ Residual Ash 19 (QTY)

TEM Dust
- ☐ Qual. (pres/abs) Vacuum/Dust ____ (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 ____ (QTY)
- ☐ Quan. (s/area) Dust D6480-99 ____ (QTY)

TEM Water
- ☐ Qual. (pres/abs) ____ (QTY)
- ☐ ELAP 198.2/EPA 100.2 ____ (QTY)
- ☐ EPA 100.1 ____ (QTY)

☒ All samples received in good condition unless otherwise noted. (TEM Water samples ____ °C)

Metals Analysis
- ☐ Pb Paint Chip ____ (QTY)
- ☐ Pb Dust Wipe (wipe type ____) ____ (QTY)
- ☐ Pb Air ____ (QTY)
- ☐ Pb Soil/Solid ____ (QTY)
- ☐ Pb TCLP ____ (QTY)
- ☐ Drinking Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Waste Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Pb Furnace (Media ____) ____ (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples:
Collection Media
- ☐ Spore-Trap ____ (QTY)
- ☐ Surface Swab ____ (QTY)
- ☐ Surface Tape ____ (QTY)
- ☐ Surface Vacuum Dust ____ (QTY)
- ☐ Culturable ID Genus (Media ____) ____ (QTY)
- ☐ Culturable ID Species (Media ____) ____ (QTY)
- ☐ Other (Specify ____) ____ (QTY)

CLIENT ID NUMBER	SAMPLE INFORMATION: SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	MATRIX: DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
					X						X						Date/Time: Contact: By:
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: 9/24/12 @ 1015 Via: Fax By (Print): MPM Sign:
2. Date/Time Analyzed: 9/27/12 @ 1015 By (Print): Sign:
3. Results Reported To: Via: Date: / / Time: Initials:
4. Comments:

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434
LICENSE NUMBER: 29997
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/17/2012
EXPIRATION DATE: 05/31/2013

Duly Authorized Representative – Ronald A Arthurs

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STATE OF NEW YORK DEPARTMENT OF LABOR

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 11770

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Serial No.: 46501

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 10920

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

	ASTM E-1979-04
	EPA 600/R-93/200

Serial No.: 46674

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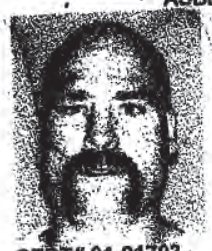
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RON A ARTHURS
CLASS(EXPIRES)
C ATEC(07/13) D INSP(07/13)
H PM (07/13)

CERT# 91-01793
DMV# 107698477
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANGELA MITCHELL
CLASS(EXPIRES)
D INSP(08/13)

CERT# 05-07912
DMV# 526446604
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LONNIE FLINDNER
CLASS(EXPIRES)
C ATEC(08/12) D INSP(08/12)
H PM (08/12)

CERT# 97-13919
DMV# 202917970
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR GRY
HGT 5' 09"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LESTER J NOTTLER
CLASS(EXPIRES)
C ATEC(04/13) D INSP(04/13)
H PM (04/13)

CERT# 06-12599
DMV# 950405445
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

PRE-DEMOLITION ASBESTOS SURVEY

BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

PREPARED FOR:

CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614

December 7, 2012

Lozier
Environmental Consulting, Inc.

Prepared By: Angela Liddell

CITY OF ROCHESTER
BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

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CITY OF ROCHESTER
BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on November 12, 2012 at the Back House located at 868 North Street, Rochester, New York. This report refers to the interior and exterior of a vacant, one-story home with a basement and detached garage.

New York State Department of Labor certified inspector Ron Arthurs conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
    a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
    b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6*; Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); ”Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department’s Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located.” The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

CITY OF ROCHESTER
BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of the back house located at 868 North Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

CITY OF ROCHESTER
BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	*Duct Seam Tape, Duct Wrap Insulation, and Duct Boot Insulation	Poor	Friable	120 Square Feet
	*Duct Seam Tape, Duct Wrap Insulation, Duct Boot Insulation, and Boiler Insulation **DEBRIS** – clean-up of entire Basement floor, and horizontal surfaces	Poor	Friable	513 Square Feet
	Green 9”x9” Floor Tile	Fair	NOB	Stack
Boiler	Red Interior Boiler Mud	Poor	Friable	10 Square Feet
	Gray/Green Exterior Boiler Mud – Top and Sides	Poor	Friable	20 Square Feet
Crawlspace	*Duct Seam Tape, Duct Wrap Insulation, and Duct Boot Insulation **DEBRIS** – clean-up of entire Crawlspace floor, and horizontal surfaces	Poor	Friable	76 Square Feet
	*Flue Patch	Poor	Friable	2 Square Feet

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Living Room	*Interior Duct Wrap Insulation	Good	Friable	2 Square Feet
Bedroom 1	*Interior Duct Wrap Insulation	Good	Friable	2 Square Feet
Closet 1	*Interior Duct Wrap Insulation	Good	Friable	2 Square Feet
Bedroom 2	Wall Plaster – 3 walls	Good	Friable	243 Square Feet
	Wall Spackle on Drywall – 1 wall	Good	Friable	81 Square Feet
Hallway 1	*Flue Patch	Good	Friable	1 Square Foot
Bathroom	Dark Green 9”x9” Floor Tile -and- Light Green 9”x9” Floor Tile (Side by Sides)	Good	NOB	36 Square Feet

EXTERIOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	Grey Shingle Siding Caulk – located under windows and at seams	Good	NOB	4 Square Feet

ROOF

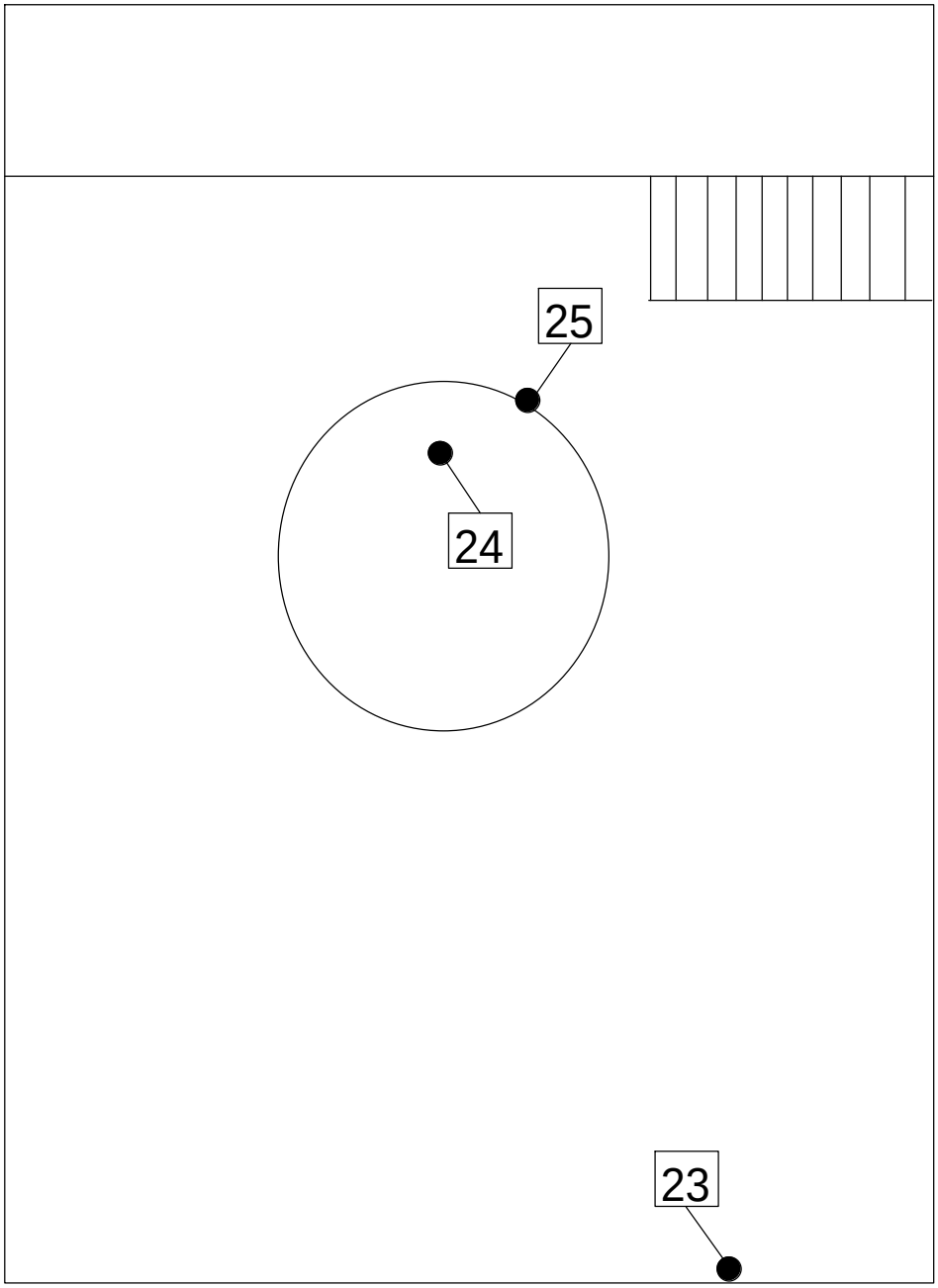
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Flat Roof: Roof Main	Roof Shingle over Ice & Water over Rolled Roofing over Tar/Rolls over Black Felt Paper **REMOVE ALL LAYERS AS ACM**	Good	NOB	40 Square Feet
House Roof: Roof Main	Roof Shingle over Black Ice & Water **REMOVE BOTH LAYERS AS ACM**	Good	NOB	1,010 Square Feet
House Roof and Flat Roof: Flashing	Black Flashing on Chimney and Vents	Good	NOB	4 Square Feet

GARAGE

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Interior and Exterior	No Visible Asbestos Containing Materials			

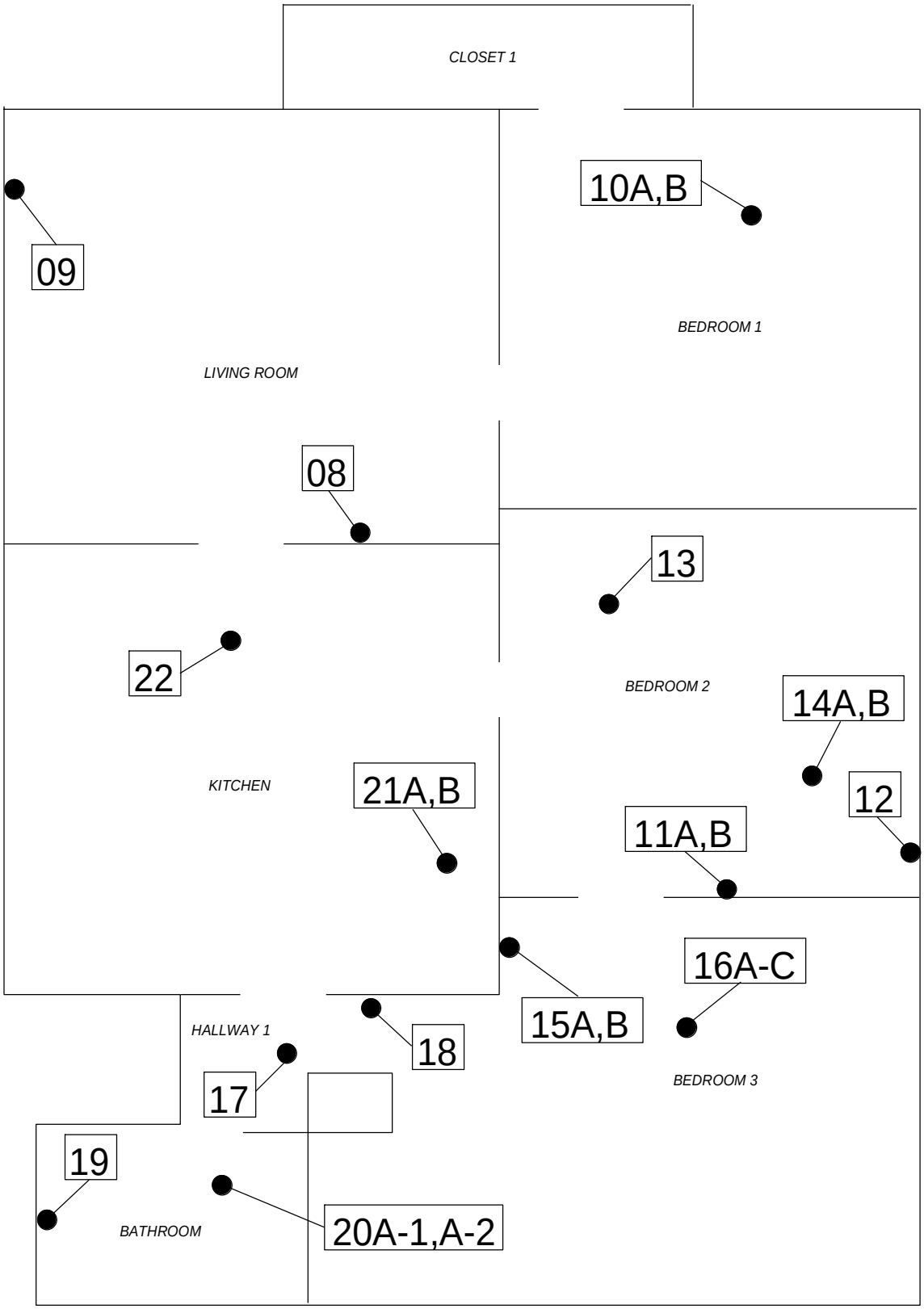
Notes:

- Condition: ***Good*** = No visible damage and/or very limited deterioration. ***Fair*** = visible damage or deterioration on less than 25% of the material. ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch, duct seam tape, duct wrap insulation, and duct boot insulation were not sampled and are presumed to be asbestos containing.



PRE-DEMOLITION ASBESTOS SURVEY
BACK HOUSE - BASEMENT
SAMPLE LOCATIONS

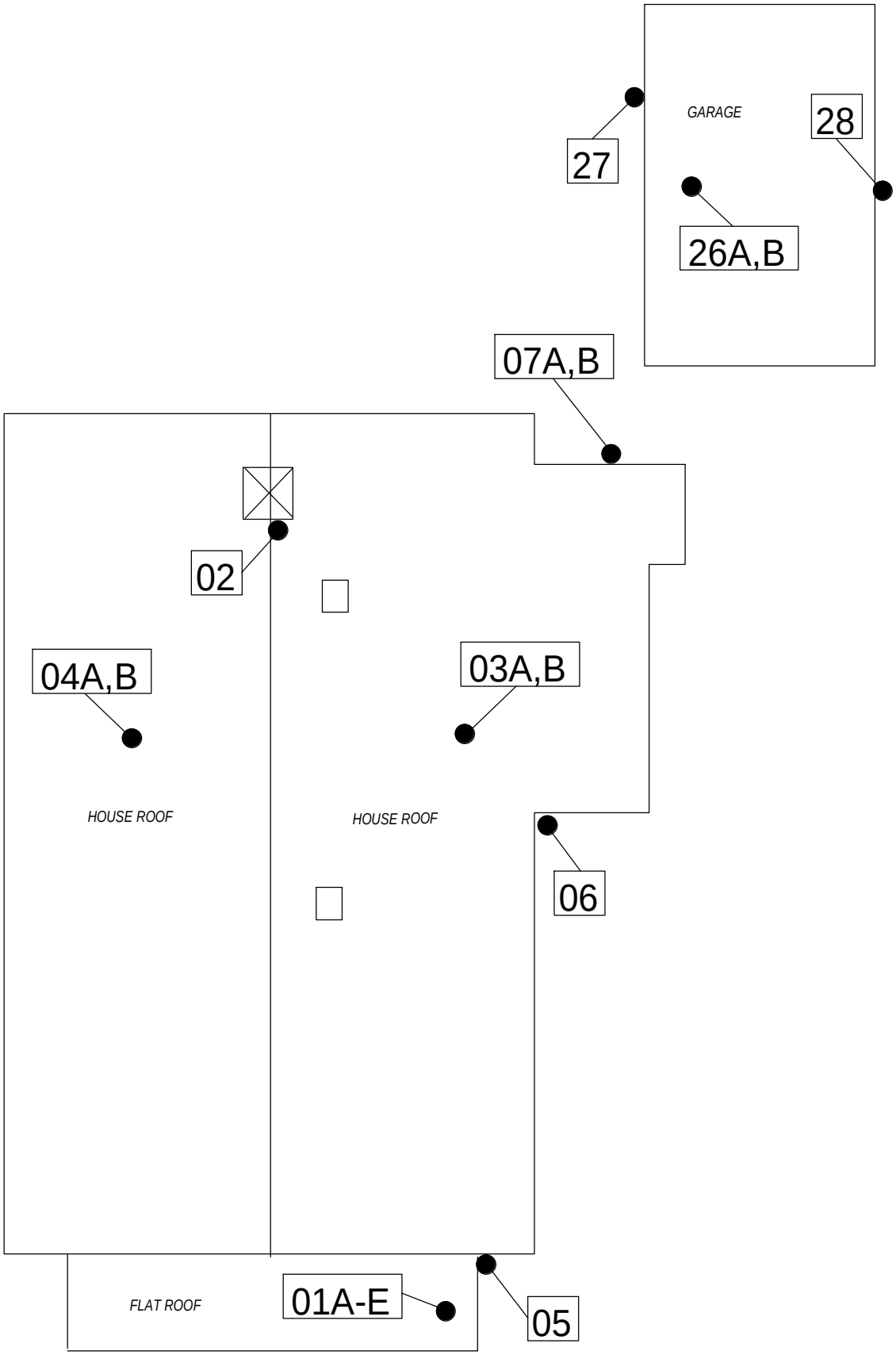
CITY OF ROCHESTER
BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK



PRE-DEMOLITION ASBESTOS SURVEY
FIRST FLOOR
SAMPLE LOCATIONS

CITY OF ROCHESTER
BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. NOVEMBER 12, 2012



PRE-DEMOLITION ASBESTOS SURVEY
BACK HOUSE - ROOF & GARAGE
SAMPLE LOCATIONS

CITY OF ROCHESTER
BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. NOVEMBER 12, 2012

BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

Figure 1: Back House – 868 North Street, Rochester, New York

Figure 2: Exterior - Sample No. 6: Grey Shingle Siding Caulk

BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

Figure 3: Basement – Boiler - Sample No. 24 & 25: Red Interior Boiler Mud and Grey/Green Exterior Boiler Mud

Figure 4: First Floor – Bedroom 2 - Sample No. 11AB: Wall Plaster

BACK HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

Figure 5: First Floor – Bedroom 2 - Sample No. 12: Wall Spackle on Drywall

Figure 6: First Floor – Bathroom - Sample No. 20A1,A2: Dark Green 9”x9” Floor Tile and Light Green 9”x9” Floor Tile

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www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: Back House - 868 North Street, Rochester, New York

Laboratory No.: 35675
Date Received: 11/13/12
Report Date: 11/14/12
Analysis Date: 11/13/12
Page: 1 of 5

TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	44

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
1A	35675-1A	Flat Roof - Roof Main	Grey/Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 15%	85%
1B	35675-1B	Flat Roof - Roof Main	Black Ice & Water 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 20%	80%
1C	35675-1C	Flat Roof - Roof Main	Green Rolled Roofing 3rd Layer	Chrysotile 30.4%	30.4%		NOB	Cellulose 22%	8.4%
1D	35675-1D	Flat Roof - Roof Main	Black Tar/Rolls 4th Layer	Chrysotile 3.1%	3.1%		NOB	Cellulose 34%	62.9%
1E	35675-1E	Flat Roof - Roof Main	Black Felt Paper 5th Layer	Inconclusive Chrysotile <1%	<1%	*	NOB	Cellulose 84%	>16%
2	35675-2	Chimney Flashing	Black Flashing	Chrysotile 17.6%	17.6%		NOB	None Detected 0%	82.4%
3A	35675-3A	House Roof - Roof Main (Right Side)	Black Shingle 1st Layer	Chrysotile 1.2%	1.2%		NOB	Fiberglass 5%	93.8%
3B	35675-3B	House Roof - Roof Main (Right Side)	Black Ice & Water 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 20%	80%
4A	35675-4A	House Roof - Roof Main (Left Side)	Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 15%	85%
4B	35675-4B	House Roof - Roof Main (Left Side)	Black Felt Paper 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 95% Fiberglass 1%	4%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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Client: City of Rochester
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Chain of Custody in Following Pages

SAMPLE INFORMATION

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Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	44

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
5	35675-5	Exterior	Green Shingle Siding	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 50%	50%
6	35675-6	Exterior	Grey Shingle Siding Caulk	Chrysotile 16.8%	16.8%		NOB	None Detected 0%	83.2%
7A	35675-7A	Exterior	Green Shingle Siding 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 35%	65%
7B	35675-7B	Exterior	Black Felt Paper 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 85%	15%
8	35675-8	Living Room	Grey Wall Plaster	None Detected 0%	0%		F	Animal Hair 7%	93%
9	35675-9	Living Room	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
10A	35675-10A	Bedroom 1	Brown/Tan 9"X9" Floor Tile 1st Layer	None Detected 0%	0%		NF	Cellulose 92%	8%
10B	35675-10B	Bedroom 1	Brown Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
11A	35675-11A	Bedroom 2	White/Beige Wall Plaster 1st Layer	Chrysotile 2%	2%		F	None Detected 0%	98%
11B	35675-11B	Bedroom 2	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

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SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	44

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
12	35675-12	Bedroom 2	White/Grey Wall Spackle	Chrysotile 1.7%	1.7%		F	None Detected 0%	98.3%
13	35675-13	Bedroom 2	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
14A	35675-14A	Bedroom 2	Brown/Brick Sheet Vinyl 1st Layer	None Detected 0%	0%		NF	Cellulose 97%	3%
14B	35675-14B	Bedroom 2	Black Felt Paper 2nd Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
15A	35675-15A	Bedroom 3	Yellow Wall Vinyl 1st Layer	None Detected 0%	0%		F	Cellulose 98%	2%
15B	35675-15B	Bedroom 3	Brown Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
16A	35675-16A	Bedroom 3	Grey 9"X9" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
16B	35675-16B	Bedroom 3	Brown Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
16C	35675-16C	Bedroom 3	Black Felt Paper 3rd Layer	None Detected 0%	0%		NF	Cellulose 96%	4%
17	35675-17	Hallway 1	Green 9"X9" Floor Tile	None Detected 0%	0%		NF	Cellulose 93%	7%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

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SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	44

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
18	35675-18	Hallway 1	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%
19	35675-19	Bathroom	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
20A-1	35675-20A-1	Bathroom	Light Green 9"X9" Floor Tile, 1st Layer (Side by Side)	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
20A-2	35675-20A-2	Bathroom	Dark Green 9"X9" Floor Tile, 1st Layer (Side by Side)	Chrysotile 1.5%	1.5%		NOB	None Detected 0%	98.5%
21A	35675-21A	Kitchen	Green Wall Vinyl 1st Layer	None Detected 0%	0%		F	Cellulose 95%	5%
21B	35675-21B	Kitchen	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 6%	94%
22	35675-22	Kitchen	Green Streaked 9"X9" Floor Tile	None Detected 0%	0%		NF	Cellulose 95%	5%
23	35675-23	Basement	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
24	35675-24	Basement Boiler	Red Interior Boiler Mud	Chrysotile 2.6%	2.6%		NF	None Detected 0%	97.4%
25	35675-25	Basement Boiler	Grayish/Green Exterior Boiler Mud	Chrysotile 57.1%	57.1%		F	None Detected 0%	42.9%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: Back House - 868 North Street, Rochester, New York

Laboratory No.: 35675
Date Received: 11/13/12
Report Date: 11/14/12
Analysis Date: 11/13/12
Page: 5 of 5
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	44

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
26A	35675-26A	Garage Roof - Roof Main	Black Rolled Roofing 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
26B	35675-26B	Garage Roof - Roof Main	Black Tar 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
27	35675-27	Garage	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
28	35675-28	Garage	Green/Red/Black Wall Vinyl	None Detected 0%	0%		F	Cellulose 97%	3%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: Back House - 868 North Street

Laboratory No.: 35978
Date Received: 12/7/12
Report Date: 12/7/12
Analysis Date: 12/7/12
Page: 1 of 1

Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	12/7/12	**Location:** Interior		**Analyst:** T.Bush	
Sampler:	L. Mottler	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	2

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
29A	35978-29A	Bedroom 1	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
29B	35978-29B	Bedroom 1	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 7%	93%

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.
Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514502
Address:	2011 East Main Street	**Job Location:**	868 North Street Back House	**Date Analyzed:**	11/19/2012
	Rochester, New York 14609	**Job Number:**	35675	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13014880	35675-1E	Residue	TR	N/A	TR	Chrysotile	74.3%	15.1%	9.7%			
13014881	35675-3B	Residue	NAD	N/A	NAD		52.8%	11.2%	36.0%			
13014882	35675-4A	Residue	NAD	N/A	NAD		20.8%	48.1%	31.1%			
13014883	35675-4B	Residue	TR	N/A	TR	Chrysotile	94.8%	2.9%	2.3%			
13014884	35675-5	Residue	NAD	N/A	NAD		50.5%	22.0%	27.5%			
13014885	35675-7A	Residue	NAD	N/A	NAD		29.9%	29.3%	40.8%			
13014886	35675-7B	Residue	TR	N/A	TR	Tremolite	79.1%	11.0%	9.2%			
13014887	35675-9	Residue	TR	N/A	TR	Tremolite	14.2%	82.5%	3.3%			
13014888	35675-10B	Residue	NAD	N/A	NAD		45.6%	2.5%	51.9%			
13014889	35675-15B	Residue	NAD	N/A	NAD		43.4%	0.6%	56.0%			
13014890	35675-16A	Residue	TR	N/A	TR	Chrysotile	69.2%	20.7%	10.0%			
13014891	35675-16B	Residue	TR	N/A	TR	Chrysotile	76.0%	2.8%	21.1%			
13014892	35675-19	Residue	NAD	N/A	NAD		12.6%	84.4%	3.0%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved, AMA Analytical Services, Inc.

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CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514502
Address:	2011 East Main Street	**Job Location:**	868 North Street Back House	**Date Analyzed:**	11/19/2012
	Rochester, New York 14609	**Job Number:**	35675	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13014893	35675-20A1	Residue	NAD	N/A	NAD		38.6%	25.1%	36.3%			
13014894	35675-23	Residue	NAD	N/A	NAD		36.7%	60.7%	2.6%			
13014895	35675-26A	Residue	NAD	N/A	NAD		73.8%	24.5%	1.7%			
13014896	35675-26B	Residue	NAD	N/A	NAD		75.9%	22.9%	1.2%			
13014897	35675-27	Residue	NAD	N/A	NAD		14.1%	83.3%	2.6%			

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change
unless signed by the Technical Director or Deputy.

Technical Director: Andreas Saldivar Analyst(s): Robert Privette

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

NY ELAP (#10920) Accredited Laboratory

4475 Forbes Blvd. · Lanham, MD, 20706 · (301) 459-2640 · Toll Free (800) 346-0961 · Fax (301) 459-2643

Lozier
Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 35675	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street Back House		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY		3 days	
Phone #	Fax #	No. Samples: 10 44	Sampled By: Ron Arthurs		

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
1A	35675-A	~~Bu~~ Flat Roof Roof main	Gray/Black	Shingle		1	NOB	-	✓
1B	1B	"	Black	Ice & Water		2	NOB	-	✓
1C	1C	"	Green	Roll Roofing		3	NOB	+	
1D	1D	"	Black	Tars / Rolls		4	NOB	+	
1E	1E	"	Black	Felt Paper		5	NOB	-	CH. 21 ✓
2	2	chimney	Black	Flashing		1	NOB	+	
3A	3A	House ~~Roof~~ Roof Main (Rt Side)	Black	Shingle		1	NOB	+	
3B	3B	" "	"	Ice & Water		2	NOB	-	✓
4A	4A	House Roof Roof Main Lt Side	Black	Shingle		1	NOB	-	✓
4B	4B	" " "		Felt Paper		2	NOB	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By: [signature]

RECEIVED BY: [signature]

DATE: 11/12/12 TIME:

DATE: 11/13/12 TIME: 7:00

PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester	Sampling Date: 11/12/12	Lab No.: 35675	Contacted Client
Address: 30 Church Street	Turn Around:		Left Message
Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R
Contact: Curt Colombo	Rochester NY		
Phone # Fax #	No. Samples: 10		Sampled By: Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
5	35675-5	Exterior	Green	Shingle Siding		1	NOB	-	✓
6	6	"	Gray	Shingle Siding Caulk		1	NOB	+	
7A	7A	"	Green	Shingle Siding		1	NOB	-	✓
7B	7B	"	Black	Felt Paper		2	NOB	-	✓
8	8	Living Room	Gray	Wall Plaster		1	F	-	
9	9	" "	Beige	Window Glaze		1	NOB	-	✓
10A	10A	Bedroom #1	Brown/Tan	9X9 FT		1	NF	-	
10B	10B	" "	Brown	Mastic		2	NOB	-	✓
11A	11A	Bedroom #2	White/Beige	Wall Plaster		1	F	+	
11B	✓ 11B	" "	Gray	" "		2	F	-	

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Relinquished By: [signature]

RECEIVED BY: [signature]

DATE: 11/12/12 TIME:

DATE: 11/13/12 TIME: 7:00

PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 35675	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 10		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
12	35675-12	Bedroom #2	white/Grey	Wall Spackle		1	F	+	
13	13	" "	white	Ceiling Spackle		1	F	–	
14A	14A	" "	Brown/Brick	Sheet Vinyl		1	NF	–	
14B	14B	" "	Black	Felt Paper		2	NF	–	
15A	15A	Bedroom #3	Yellow	Wall Vinyl		1	F	–	
15B	15B	" "	Brown	Mastic		2	NOB	–	✓
16A	16A	" "	Gray	9x9 Floor Tile		1	NOB	–	✓
16B	16B	" "	Brown	Mastic		2	NOB	–	✓
16C	16C	" "	Black	Felt Paper		3	NF	–	
17	17	Hall #1	Green	9x9 Floor Tile		1	NF	–	

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Relinquished By: [signature]

DATE: 11/12/12 TIME:

RECEIVED BY: [signature]

DATE: 11/13/12 TIME: 700

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester	Sampling Date: 11/12/12	Lab No.: 35675	Contacted Client
Address: 30 Church Street	Turn Around:		Left Message
Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R
Contact: Curt Colombo	Rochester NY		
Phone # Fax #	No. Samples: 10	Sampled By: Ron Arthurs	

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
18	35675-18	Hall #1	White	W/ Spackle		1	F	–	
19	19	Bathroom	Beige	Window Glaze		1	NOB	–	✓
20A1	20A-1	"	Light Green	9x9 Floor Tile		1	NOB	–	✓
20A2	20A-2	"	Dark Green	" " "		2	NOB	+	
21A	21A	Kitchen	Green	Wall Vinyl		1	F	–	
21B	21B	Kitchen	Gray	Wall Plaster		2	F	–	
22	22	"	Green Streaked	9x9 Floor Tile		1	NF	–	
23	23	Basement	Beige	Window Glaze		1	NOB	–	✓
24	24	Basement Boiler	Red	Interior Boiler Mud		1	NF	+	
25	25	" "	Grayish Green	Exterior " "		1	F	+	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY:

DATE: 11/13/12 TIME: 700

Relinquished By: [signature]

DATE: 11/12/12 TIME:

PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier
Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 35675	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 4		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
26A	35675-26A	Garage Roof (Roof Main	Black	Roll Roofing		1	NOB	–	✓
26B	26B		"	Tar		2	NOB	–	✓
27	27	Garage	Beige ~~Window Glaze~~	Window Glaze		1	NOB	–	✓
28	28	"	Gr/Red, Black	Wall Vinyl		1	F	–	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By: [signature]

RECEIVED BY: [signature]

DATE: 11/12/12 TIME:

DATE: 11/13/12 TIME: 700

PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier
Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester
Sampling Date: 12/7/12 Lab No.: 35978 Contacted Client _____
Address: 30 Church Street
Turn Around: Left Message _____
Rochester, New York 14614
Location: Back House-868 North St. Rochester, NY TEM: Yes No T/R
Contact: Curt Colombo
Phone # Fax #
No. Samples: Sampled By:

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
29A	35978-29A	Bedroom 1	White	Wall Plaster		1	F	–	
29B	✓ 29B	↓	Grey	↓		2	F	–	

TRANSPORTED TO: LOZER ENVIRONMENTAL CONSULTING, INC.
Relinquished By: Angela Riddell
DATE: 12/7/12 TIME: 11:20 am
RECEIVED BY: [signature]
DATE: 12/7/12 TIME: 1:20

OWI (410) 247-2024 159202 210 REV. 6.08

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To Thi Number For Inquires 514502

Mailing/Billing Information:
1. Client Name: Lozier Environmental Consulting, Inc.
2. Address 1: 2011 East Main Street
3. Address 2: Rochester, NY 14609
4. Address 3:
5. Phone #: (585) 654-9080 Fax #: (585) 654-9662

Submittal Information:
1. Job Name: City of Rochester
2. Job Location: 868 NORTH ST BACK HOUSE
3. Job #: 35625 P.O. #:
4. Contact Person: Joanne DaNike @ phone # (585) 654-9080
5. Submitted by: T. Bush Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
☐ Immediate Date Due: ☐ 24 Hours Time Due: Comments:	☐ Immediate ☐ Next Day ☐ 2 Day ☒ 3 Day ☐ 5 Day + Date Due: 11/20/12 ☐ Results Required By Noon (Every Attempt Will Be Made to Accomodate)	☒ Include COC/Field Data Sheets with Report ☒ Email: lozierenv@aol.com ☐ Fax: ☐ Verbals:

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 ____ (QTY)
- ☐ Fiberglass ____ (QTY)

TEM Air – Please Indicate Filter Type:
- ☐ AHERA ____ (QTY)
- ☐ NIOSH 7402 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate ____ (QTY)
- ☐ EPA Point Count ____ (QTY)
- ☐ NY State Friable 198.1 ____ (QTY)
- ☐ Grav. Reduction ELAP 198.6 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

MISC
- ☐ Vermiculite
- ☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

TEM Bulk
- ☐ ELAP 198.4/Chatfield ____ (QTY)
- ☐ NY State PLM/TEM ____ (QTY)
- ☒ Residual Ash 18 (QTY)

TEM Dust
- ☐ Qual. (pres/abs) Vacuum/Dust ____ (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 ____ (QTY)
- ☐ Quan. (s/area) Dust D6480-99 ____ (QTY)

TEM Water
- ☐ Qual. (pres/abs) ____ (QTY)
- ☐ ELAP 198.2/EPA 100.2 ____ (QTY)
- ☐ EPA 100.1 ____ (QTY)

☒ All samples received in good condition unless otherwise noted. (TEM Water samples ____ °C)

Metals Analysis
- ☐ Pb Paint Chip ____ (QTY)
- ☐ Pb Dust Wipe (wipe type ____) ____ (QTY)
- ☐ Pb Air ____ (QTY)
- ☐ Pb Soil/Solid ____ (QTY)
- ☐ Pb TCLP ____ (QTY)
- ☐ Drinking Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Waste Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Pb Furnace (Media ____) ____ (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples: ____
Collection Media ____
- ☐ Spore-Trap ____ (QTY)
- ☐ Surface Swab ____ (QTY)
- ☐ Surface Tape ____ (QTY)
- ☐ Other (Specify ____) ____ (QTY)
- ☐ Surface Vacuum Dust ____ (QTY)
- ☐ Culturable ID Genus (Media ____) ____ (QTY)
- ☐ Culturable ID Species (Media ____) ____ (QTY)

CLIENT ID NUMBER	SAMPLE INFORMATION SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	MATRIX: DUST	SOIL AND OTHER	SPORE TRAP	TAPE	SWAB
					X						X					

CLIENT CONTACT (LABORATORY STAFF ONLY)
Date/Time: 11/15 Contact: JD By: NBM (via email)
Samples 1A + 1B submitted w/set. Both are crossed off data sheet. Confirming no analysis need for 1A + 1B.
Date/Time: Contact: By:
Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: 11 / 15 / 12 @ 1000 Via: Fedex By (Print): NBM Sign:
2. Date/Time Analyzed: 11 / 19 / 12 @ 1500 By (Print): R PRIVETTE Sign:
3. Results Reported To: Lozier @ AOL Via: Email Date: 11 / 19 / 12 Time: 15 45 Initials: RP
4. Comments: 8985 9983 9134

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434
LICENSE NUMBER: 29997
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/17/2012
EXPIRATION DATE: 05/31/2013

Duly Authorized Representative – Ronald A Arthurs

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

STATE OF NEW YORK DEPARTMENT OF LABOR

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 11770

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Serial No.: 46501

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 10920

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

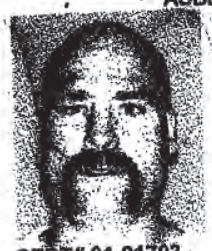
Sample Preparation Methods

	ASTM E-1979-04
	EPA 600/R-93/200

Serial No.: 46674

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RON A ARTHURS
CLASS(EXPIRES)
C ATEC(07/13) D INSP(07/13)
H PM (07/13)

CERT# 91-01793
DMV# 107698477
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANGELA MITCHELL
CLASS(EXPIRES)
D INSP(08/13)

CERT# 05-07912
DMV# 526446604
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LONNIE FLINDNER
CLASS(EXPIRES)
C ATEC(08/12) D INSP(08/12)
H PM (08/12)

CERT# 97-13919
DMV# 202917970
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR GRY
HGT 5' 09"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LESTER J NOTTLER
CLASS(EXPIRES)
C ATEC(04/13) D INSP(04/13)
H PM (04/13)

CERT# 06-12599
DMV# 950405445
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

PRE-DEMOLITION ASBESTOS SURVEY

FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

PREPARED FOR:

CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614

December 7, 2012

Lozier
Environmental Consulting, Inc.

Prepared By: Angela Liddell

CITY OF ROCHESTER
FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

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CITY OF ROCHESTER
FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on November 12, 2012 at the Front House located at 868 North Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story, multi-family home with a basement.

New York State Department of Labor certified inspector Ron Arthurs conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
    a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
    b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6*; Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); ”Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department’s Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located.” The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

CITY OF ROCHESTER
FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of the front house located at 868 North Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

CITY OF ROCHESTER
FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	*Flue Patch on 2 Separate Chimneys	Poor	Friable	5 Square Feet
	*Duct Seam Tape, Duct Wrap Insulation on Cold Air Return, and Duct Boot Insulation	Poor	Friable	50 Square Feet
	*Duct Seam Tape, Duct Wrap Insulation, Duct Boot Insulation, transite pipe, and Boiler Insulation **DEBRIS** – clean-up of entire Basement floor, horizontal surfaces, top of boilers, and hangers	Poor	Friable	950 Square Feet
Boiler 2	Grey Interior/Exterior Boiler Gasket	Poor	Friable	3 Square Feet
	Grey Interior Boiler Insulation	Poor	Friable	32 Square Feet
Basement to 2nd Floor	*Duct Wrap Insulation on 3 Riser running from Basement to 2nd Floor – **Risers Run Behind 1st Floor Walls - 3 separate locations at 30 square feet each.**	Poor	Friable	90 Square Feet

APARTMENT 1 – FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Living Room	Brown Sheet Vinyl	Fair	Friable	7 Square Feet

APARTMENT 2 – FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen	Wall Spackle on Drywall – Upper ½ of Walls	Good	Friable	240 Square Feet

SECOND FLOOR

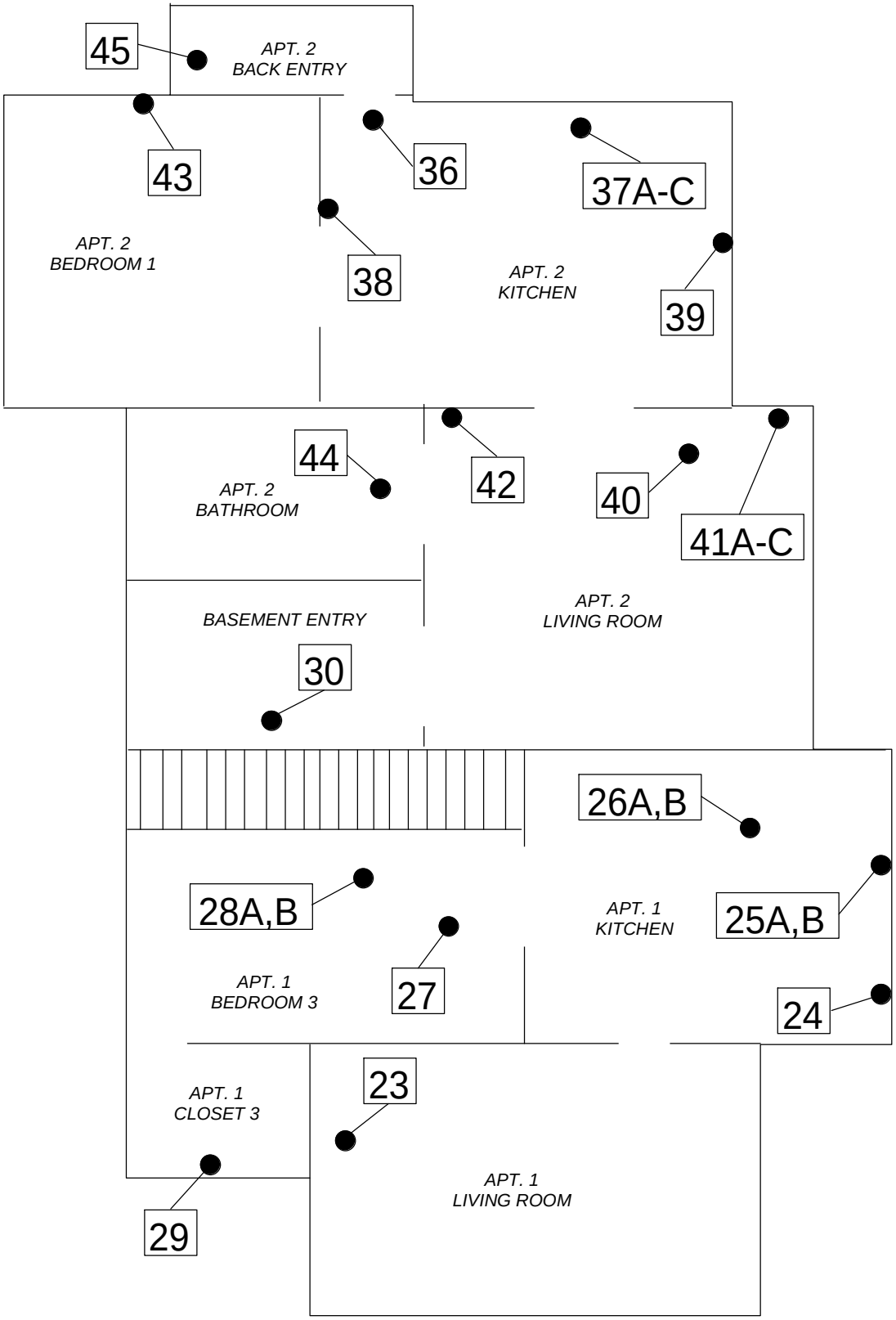
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Stairwell to 2nd Floor	Wall Spackle on Drywall	Fair	Friable	220 Square Feet
Attic 1	Orange Sheet Vinyl	Good	Friable	5 Square Feet
Attic 2	*Sheet Vinyl	Good	Friable	8 Square Feet

ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Back Flat Roof Main and Flashing	Black Tar over Rolled Roofing over Black Felt – 4 Layers Total – **REMOVE ALL LAYERS AS ACM**	Good	NOB	100 Square Feet
House Roof Flashing – Throughout All Roofs	Grey/Black Flashing on Chimneys (2), Penetrations, All Roof Edges, and Downspout	Good	NOB	86 Square Feet

Notes:

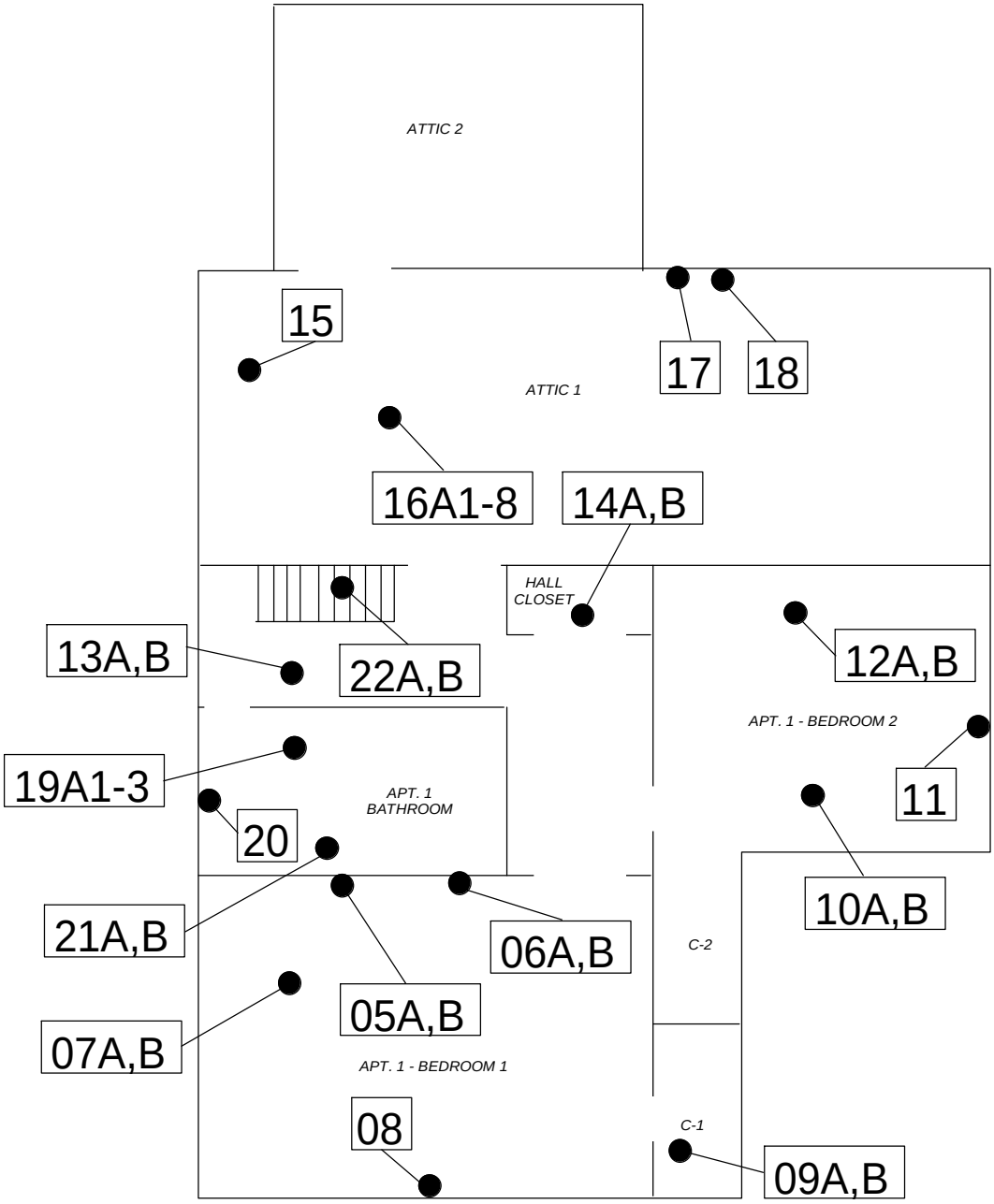
- Condition: ***Good*** = No visible damage and/or very limited deterioration. ***Fair*** = visible damage or deterioration on less than 25% of the material. ***Poor*** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch, duct seam tape, duct wrap insulation, duct boot insulation, and sheet vinyl were not sampled and are presumed to be asbestos containing.



PRE-DEMOLITION ASBESTOS SURVEY
APARTMENT 1& 2 - FIRST FLOOR
SAMPLE LOCATIONS

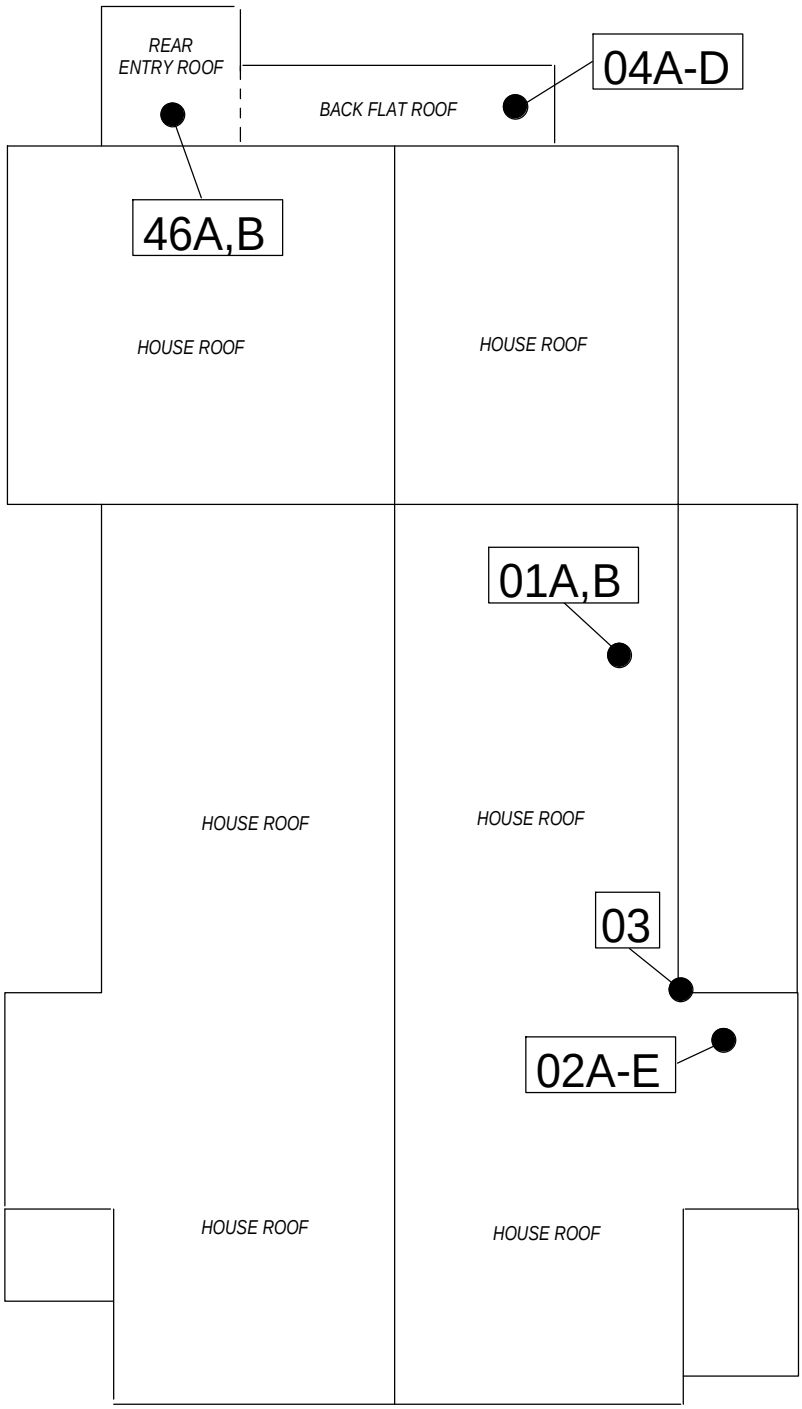
CITY OF ROCHESTER
FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. NOVEMBER 12, 2012



PRE-DEMOLITION ASBESTOS SURVEY
SECOND FLOOR - APARTMENT 1
SAMPLE LOCATIONS

CITY OF ROCHESTER
FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK



PRE-DEMOLITION ASBESTOS SURVEY
ROOF
SAMPLE LOCATIONS

CITY OF ROCHESTER
FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

LOZIER ENVIRONMENTAL CONSULTING, INC. NOVEMBER 12, 2012

FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

Figure 1: Front House – 868 North Street, Rochester, New York

Figure 2: First Floor – Apartment 2 - Kitchen - Sample No. 38: Wall Spackle

FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

Figure 3: Basement – Boiler 2 - Sample No. 33 & 34: Grey Interior/Exterior Boiler Gasket and Grey Interior Boiler Insulation

Figure 4: First Floor – Apartment 1 – Living Room - Sample No. 23: Brown Sheet Vinyl

FRONT HOUSE
868 NORTH STREET
ROCHESTER, NEW YORK

Figure 5: Stairwell to 2nd Floor - Sample No. 22AB: Wall Spackle on Drywall

Figure 6: Second Floor – Attic 1 - Sample No. 15: Orange Sheet Vinyl

Lozier
Environmental Consulting, Inc.

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: Front House - 868 North Street, Rochester, New York

Laboratory No.: 35676
Date Received: 11/13/12
Report Date: 11/15/12
Analysis Date: 11/13/12 - 11/15/12
Page: 1 of 8
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
1A	35676-1A	House Roof - Roof Main	Green/Black/Grey Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 26%	74%
1B	35676-1B	House Roof - Roof Main	Black Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 35% Synthetic 5%	60%
2A	35676-2A	Upper Roof - Roof Main	Green/Black/Grey Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 30% Fiberglass 1%	69%
2B	35676-2B	Upper Roof - Roof Main	White/Black Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 35% Fiberglass 1%	64%
2C	35676-2C	Upper Roof - Roof Main	Black Shingle 3rd Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	Cellulose 30%	>70%
2D	35676-2D	Upper Roof - Roof Main	Black Shingle 4th Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	Cellulose 25% Fiberglass Trace	>75%
2E	35676-2E	Upper Roof - Roof Main	Black Felt 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 80% Synthetic 2%	18%
3	35676-3	Roof Edge Flashing	Grey/Black Flashing	Chrysotile 6%	6%		NOB	None Detected 0%	94%
4A	35676-4A	Back Flat Roof Roof Main	Black Tar 1st Layer	Chrysotile 28%	28%		NOB	None Detected 0%	72%
4B	35676-4B	Back Flat Roof Roof Main	Green/Black/Grey Rolled Roof 2nd Layer	Chrysotile 4.7%	4.7%		NOB	Cellulose 35%	60.3%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

Lozier
Environmental Consulting, Inc

2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
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ELAP #11770

Client: City of Rochester
30 Church Street
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Attn: Curt Colombo

Project Site: Front House - 868 North Street, Rochester, New York

Laboratory No.: 35676
Date Received: 11/13/12
Report Date: 11/15/12
Analysis Date: 11/13/12 - 11/15/12
Page: 2 of 8
TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
4C	35676-4C	Back Flat Roof Roof Main	Black Rolled Roof 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 35%	65%
4D	35676-4D	Back Flat Roof Roof Main	Black Felt 4th Layer	Chrysotile 3.5%	3.5%		NOB	Cellulose 53%	43.5%
5A	35676-5A	Apartment 1 - Bedroom 1	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
5B	35676-5B	Apartment 1 - Bedroom 1	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
6A	35676-6A	Apartment 1 - Bedroom 1	White Wall Spackle 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
6B	35676-6B	Apartment 1 - Bedroom 1	Grey Drywall 2nd Layer	None Detected 0%	0%		F	Cellulose 4%	96%
7A	35676-7A	Apartment 1 - Bedroom 1	Tan 9"X9" Floor Tile 1st Layer	None Detected 0%	0%		NF	Cellulose 60% Animal Hair 20%	20%
7B	35676-7B	Apartment 1 - Bedroom 1	Brown Floor Tile Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
8	35676-8	Apartment 1 - Bedroom 1	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
9A	35676-9A	apartment 1 - Closet 1	Green/Tan 9"X9" Floor Tile 1st Layer	None Detected 0%	0%		NF	Cellulose 95%	5%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

Lozier
Environmental Consulting, Inc.

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ELAP #11770

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30 Church Street
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Attn: Curt Colombo

Project Site: Front House - 868 North Street, Rochester, New York

Laboratory No.: 35676
Date Received: 11/13/12
Report Date: 11/15/12
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TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
9B	35676-9B	Apartment 1 - Closet 1	Brown Floor Tile Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
10A	35676-10A	Apartment 1 - Bedroom 2	Blue 6"X6" Floor Tile 1st Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
10B	35676-10B	Apartment 1 - Bedroom 2	Red Floor Tile Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
11	35676-11	Apartment 1 - Bedroom 2	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
12A	35676-12A	Apartment 1 - Bedroom 2	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
12B	35676-12B	Apartment 1 - Bedroom 2	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
13A	35676-13A	Apartment 1 - Hall	Green 9"X9" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
13B	35676-13B	Apartment 1 - Hall	Brown Floor Tile Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
14A	35676-14A	Apartment 1 - Hall Closet	Green 9"X9" Floor Tile 1st Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
14B	35676-14B	Apartment 1 - Hall Closet	Brown Floor Tile Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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2011 East Main Street, Rochester, New York 14609
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ELAP #11770

Client: City of Rochester
30 Church Street
Rochester, New York 14614

Attn: Curt Colombo

Project Site: Front House - 868 North Street, Rochester, New York

Laboratory No.: 35676
Date Received: 11/13/12
Report Date: 11/15/12
Analysis Date: 11/13/12 - 11/15/12

TEM Results on Following Pages
Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
15	35676-15	Attic 1	Orange Sheet Vinyl	Chrysotile 44.4%	44.4%		F	Cellulose 50%	5.6%
16A-1	35676-16A-1	Attic 1	Black Sheet Vinyl 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 97%	3%
16A-2	35676-16A-2	Attic 1	Beige/Grey Sheet Vinyl 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 97%	3%
16A-3	35676-16A-3	Attic 1	Brown Sheet Vinyl 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 98%	2%
16A-4	35676-16A-4	Attic 1	Blue/Brown Sheet Vinyl 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 97%	3%
16A-5	35676-16A-5	Attic 1	Brown/Black/Tan Sheet Vinyl, 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 96%	4%
16A-6	35676-16A-6	Attic 1	Beige/Grey Sheet Vinyl 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 97%	3%
16A-7	35676-16A-7	Attic 1	Brown Battleship Floor 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 85%	15%
16A-8	35676-16A-8	Attic 1	Cream/Green Sheet Vinyl 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 96%	4%
17	35676-17	Attic 1	Black Rolled Roofing	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 60%	40%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

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Analysis Date: 11/13/12 - 11/15/12

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Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
18	35676-18	Attic 1	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
19A-1	35676-19A-1	Apartment 1 Bathroom 1	Blue 9"X9" Floor Tile 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 96%	4%
19A-2	35676-19A-2	Apartment 1 Bathroom 1	White/Green Floor Tile 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 93%	7%
19A-3	35676-19A-3	Apartment 1 Bathroom 1	Green/Grey Floor Tile 1st Layer (Side by Side)	None Detected 0%	0%		NF	Cellulose 96%	4%
20	35676-20	Apartment 1 Bathroom 1	Grey Wall Plaster	None Detected 0%	0%		F	Cellulose 3%	97%
21A	35676-21A	Apartment 1 Bathroom 1	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
21B	35676-21B	Apartment 1 Bathroom 1	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
22A	35676-22A	Stairwell to Second Apt.	White/Beige Wall Spackle 1st Layer	Chrysotile 1.5%	1.5%		F	None Detected 0%	99%
22B	35676-22B	Stairwell to Second Apt.	Grey Drywall 2nd Layer	None Detected 0%	0%		F	Cellulose 4%	96%
23	35676-23	Apartment 1 Living Room	Brown Sheet Vinyl	Chrysotile 40%	40%		F	Cellulose 55%	5%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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Laboratory No.: 35676
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Report Date: 11/15/12
Analysis Date: 11/13/12 - 11/15/12

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SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:** Interior/Exterior		**Analyst:** T.Bush	
Sampler:	R. Arthurs	**Type of Sample:** Bulk Asbestos		**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
24	35676-24	Apartment 1 - Kitchen	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
25A	35676-25A	Apartment 1 - Kitchen	Blue Wall Vinyl 1st Layer	None Detected 0%	0%		NF	Cellulose 65% Animal Hair 30%	5%
25B	35676-25B	Apartment 1 - Kitchen	Brown Wall Vinyl Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
26A	35676-26A	Apartment 1 - Kitchen	Red/Black Sheet Vinyl 1st Layer	None Detected 0%	0%		NF	Cellulose 70% Animal Hair 23%	7%
26B	35676-26B	Apartment 1 - Kitchen	Gold/Black Sheet Vinyl 2nd Layer	None Detected 0%	0%		NF	Cellulose 70% Animal Hair 20%	10%
27	35676-27	Apartment 1 Bedroom 3	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
28A	35676-28A	Apartment 1 Bedroom 3	Red/Black/Grey Sheet Vinyl 1st Layer	None Detected 0%	0%		NF	Cellulose 70% Animal Hair 25%	5%
28B	35676-28B	Apartment 1 Bedroom 3	Gold/Black Sheet Vinyl 2nd Layer	None Detected 0%	0%		NF	Cellulose 70% Animal Hair 20%	10%
29	35676-29	Apartment 1 - Closet 3	Tan Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 75% Animal Hair 20%	5%
30	35676-30	Stairs To Basement	Green/Red 9"X9" Floor Tile	None Detected 0%	0%		NF	Cellulose 65% Animal Hair 10%	25%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: S. Lee or J.DeNike - NIKON Optiphot 2 Polarized Light Microscope (136048)
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: J. DeNike Laboratory Director

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Laboratory No.: 35676
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Report Date: 11/15/12
Analysis Date: 11/13/12 - 11/15/12
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SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
31	35676-31	Basement	Grey Exterior Boiler Mud	None Detected 0%	0%		NF	None Detected 0%	100%
32	35676-32	Basement	Grey Interior Boiler Mud	Chrysotile Trace	Trace		NF	None Detected 0%	>99%
33	35676-33	Basement	Grey Interior Boiler Gasket	Chrysotile 100%	100%		F	None Detected 0%	0%
34	35676-34	Basement	Grey Boiler Insulation	Chrysotile 57.1%	57.1%		F	Cellulose 42%	0.9%
35	35676-35	Basement	Tan Counter Sheet Vinyl	None Detected 0%	0%		NF	Cellulose 95%	5%
36	35676-36	Apartment 2 - Kitchen	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
37A	35676-37A	Apartment 2 - Kitchen	Yellow/Green Sheet Vinyl 1st Layer	None Detected 0%	0%		NF	Cellulose 95%	5%
37B	35676-37B	Apartment 2 - Kitchen	Brown Wall Vinyl Mastic 2nd Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%
37C	35676-37C	Apartment 2 - Kitchen	Grey Wall Plaster 3rd Layer	None Detected 0%	0%		F	Cellulose 3%	97%
38	35676-38	Apartment 2 - Kitchen	White/Beige Wall Spackle	Chrysotile 2.3%	2.3%		F	None Detected 0%	97.7%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: _____
J. DeNike Laboratory Director

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Attn: Curt Colombo

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Date Received: 11/13/12
Report Date: 11/15/12
Analysis Date: 11/13/12 - 11/15/12
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SAMPLE INFORMATION

Sample Date:	11/12/12	**Location:**	Interior/Exterior	**Analyst:**	T.Bush
Sampler:	R. Arthurs	**Type of Sample:**	Bulk Asbestos	**Number of Samples:**	81

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
39	35676-39	Apartment 2 - Kitchen	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
40	35676-40	Apartment 2 Living Room	Grey Ceiling Plaster	Chrysotile <1%	<1%		F	Animal Hair 5%	>95%
41A	35676-41A	Apartment 2 Living Room	Brown Wall Panel Mastic 1st layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%
41B	35676-41B	Apartment 2 Living Room	White Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
41C	35676-41C	Apartment 2 Living Room	Grey Wall Plaster 3rd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
42	35676-42	Apartment 2 Living Room	White Chimney Coating	None Detected 0%	0%		NF	None Detected 0%	100%
43	35676-43	Apartment 2 - Bedroom 1	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%
44	35676-44	Apartment 2 - Bathroom	Black Felt	None Detected 0%	0%		NF	Cellulose 95%	5%
45	35676-45	Apartment 2 - Back Entry	Green/Tan 9"X9" Floor Tile	None Detected 0%	0%		NF	Cellulose 65% Animal Hair 20%	15%
46A	35676-46A	Rear Entry Roof	Green/White/Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 26%	74%
46B	35676-46B	Rear Entry Roof	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 90%	10%

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Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

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Approved By: _____
J. DeNike Laboratory Director

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514513
Address:	2011 East Main Street	**Job Location:**	868 North Street - Front House	**Date Analyzed:**	11/21/2012
	Rochester, New York 14609	**Job Number:**	35676	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13015306	35676-1A	Residue	TR	N/A	TR	Chrysotile	48.4%	2.2%	49.4%			
13015307	35676-1B	Residue	NAD	N/A	NAD		64.0%	0.7%	35.3%			
13015308	35676-2A	Residue	NAD	N/A	NAD		49.3%	4.3%	46.4%			
13015309	35676-2B	Residue	NAD	N/A	NAD		64.3%	2.1%	33.6%			
13015310	35676-2C	Residue	TR	N/A	TR	Chrysotile	51.1%	2.1%	46.4%			
13015311	35676-2D	Residue	TR	N/A	TR	Chrysotile	47.3%	1.5%	50.9%			
13015312	35676-2E	Residue	TR	N/A	TR	Chrysotile	90.4%	1.4%	8.2%			
13015313	35676-7B	Residue	NAD	N/A	NAD		68.4%	0.1%	31.5%			
13015314	35676-8	Residue	NAD	N/A	NAD		8.5%	85.1%	6.4%			
13015315	35676-9B	Residue	NAD	N/A	NAD		47.0%	3.8%	49.2%			
13015316	35676-10B	Residue	NAD	N/A	NAD		41.4%	9.7%	48.9%			
13015317	35676-11	Residue	NAD	N/A	NAD		7.2%	86.9%	6.0%			
13015318	35676-13A	Residue	NAD	N/A	NAD		32.3%	3.6%	64.1%			

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CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514513
Address:	2011 East Main Street	**Job Location:**	868 North Street Front House	**Date Analyzed:**	11/21/2012
	Rochester, New York 14609	**Job Number:**	35676	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
13015319	35676-13B	Residue	NAD	N/A	NAD		41.0%	4.6%	54.4%			
13015320	35676-14B	Residue	NAD	N/A	NAD		47.7%	5.3%	47.0%			
13015321	35676-17	Residue	TR	N/A	TR	Chrysotile	68.8%	22.4%	8.8%			
13015322	35676-18	Residue	NAD	N/A	NAD		15.9%	79.8%	4.3%			
13015323	35676-24	Residue	NAD	N/A	NAD		10.2%	84.1%	5.7%			
13015324	35676-25B	Residue	NAD	N/A	NAD		43.2%	0.6%	56.2%			
13015325	35676-36	Residue	NAD	N/A	NAD		15.5%	63.9%	20.6%			
13015326	35676-37	Residue	TR	N/A	TR	Chrysotile	41.2%	16.6%	42.2%			
13015327	35676-39	Residue	NAD	N/A	NAD		13.8%	78.8%	7.4%			
13015328	35676-41A	Residue	NAD	N/A	NAD		44.9%	5.8%	49.3%			
13015329	35676-46A	Residue	NAD	N/A	NAD		48.6%	2.0%	49.4%			
13015330	35676-46B	Residue	NAD	N/A	NAD		76.8%	19.0%	4.2%			

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CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Lozier Environmental Consulting, Inc.	**Job Name:**	City of Rochester	**Chain of Custody:**	514513
Address:	2011 East Main Street	**Job Location:**	868 North Street Front House	**Date Analyzed:**	11/21/2012
	Rochester, New York 14609	**Job Number:**	35676	**Person Submitting:**	Tamar Bush
		P.O. Number:	Not Provided		
Attention:	Jeanne DeNike				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar **Analyst(s)** Michael Creaghan

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

NY ELAP (#10920) Accredited Laboratory

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PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester	Sampling Date: 11/12/12	Lab No.: 35676	Contacted Client _____
Address: 30 Church Street	Turn Around: FRONT House		Left Message _____
Rochester, New York 14614	Location: 868 North Street		TEM: (Yes) No T/R
Contact: Curt Colombo	Rochester NY		3 day
Phone # Fax #	No. Samples: 81		Sampled By: Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
1A	35676-1A	HOUSE ROOF - ROOF MAIN	GREEN / BLK / GREY	SHINGLE		1	NOB	–	✓
1B	1B	HOUSE ROOF - ROOF MAIN	BLK	SHINGLE		2	NOB	–	✓
2A	2A	UPPER ROOF - ROOF MAIN	GREEN / BLK / GREY	SHINGLE		1	NOB	–	✓
2B	2B	UPPER ROOF - ROOF MAIN	WHITE / BLK	SHINGLE		2	NOB	–	✓
2C	2C	UPPER ROOF - ROOF MAIN	BLK	SHINGLE		3	NOB	–	CH Track ✓
2D	2D	UPPER ROOF - ROOF MAIN	BLK	SHINGLE		4	NOB	–	CH Trace ✓
2E	2E	UPPER ROOF - ROOF MAIN	BLK	FELT		5	NOB	–	✓
3	3	ROOF EDGE	GREY / BLK	FLASHING			NOB	+	
4A	4A	BACK FLAT ROOF-ROOF MAIN	BLK	TAR		1	NOB	+	
4B	4B	BACK FLAT ROOF-ROOF MAIN	GREEN / BLK / GREY	ROLLED ROOF		2	NOB	+	

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2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client: City of Rochester	Sampling Date: 11/12/12	Lab No.: 356676	Contacted Client _____
Address: 30 Church Street	Turn Around:		Left Message _____
Rochester, New York 14614	Location: 868 North Street Rochester NY		TEM: Yes No T/R
Contact: Curt Colombo			
Phone # Fax #	No. Samples: 81		Sampled By: Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
4C	356676-4C	BACK FLAT ROOF-ROOF MAIN	BLK	ROLLED ROOF		3	NOB	–	Trent
4D	4D	BACK FLAT ROOF-ROOF MAIN	BLK	FELT		4	NOB	+	
5A	5A	APT. 1 BEDROOM 1	WHITE	WALL PLASTER		1	F	–	
5B	5B	APT. 1 BEDROOM 1	GREY	WALL PLASTER		2	F	–	
6A	6A	APT. 1 BEDROOM 1	WHITE	W-SPK		1	F	–	
6B	6B	APT. 1 BEDROOM 1	GREY	DRY WALL		2	F	–	
7A	7A	APT. 1 BEDROOM 1	TAN	9X9 FLOOR TILE		1	NF	–	
7B	7B	APT. 1 BEDROOM 1	BROWN	FLOOR TILE MASTIC		2	NOB	–	✓
8	8	APT. 1 BEDROOM 1	BEIGE	WINDOW GLAZE			NOB	–	✓
9A	9A	APT. 1 CLOSET 1	GREEN / TAN	9X9 FLOOR TILE		1	NF	–	

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PLM ASBESTOS BULK MATERIAL SAMPLES

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Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 35676	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 81		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
9B	35676-9B	APT. 1 CLOSET 1	BROWN	FLOOR TILE MASTIC		2	NOB	–	✓
10A	10A	APT.1 BEDROOM 2	BLUE	6X6 FLOOR TILE		1	NF	–	
10B	10B	APT.1 BEDROOM 2	RED	FLOOR TILE MASTIC		2	NOB	–	✓
11	11	APT.1 BEDROOM 2	WHITE	WINDOW GLAZE			NOB	–	✓
12A	12A	APT.1 BEDROOM 2	WHITE	CEILING PLASTER		1	F	–	
12B	12B	APT.1 BEDROOM 2	GREY	CEILING PLASTER		2	F	–	
13A	13A	APT. 1 HALL	GREEN	9X9 FLOOR TILE		1	NOB	–	✓
13B	13B	APT. 1 HALL	BROWN	FLOOR TILE MASTIC		2	NOB	–	✓
14A	14A	APT. 1 HALL CLOSET	GREEN	9X9 FLOOR TILE		1	NF	–	
14B	✓ 14B	APT. 1 HALL CLOSET	BROWN	FLOOR TILE MASTIC		2	NOB	–	✓

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PLM ASBESTOS BULK MATERIAL SAMPLES

Lozier Environmental Consulting, Inc.
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Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 356676	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 81		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
15	356676-15	ATTIC 1	ORANGE	SHEET VINYL			F	+	
16A1	16A-1	ATTIC 1	BLK	SHEET VINYL		1	NF	–	
16A2	16A-2	ATTIC 1	BEIGE GREY	SHEET VINYL		1	NF	–	
16A3	16A-3	ATTIC 1	BROWN	SHEET VINYL		1	NF	–	
16A4	16A-4	ATTIC 1	BLUE BROWN	SHEET VINYL		1	NF	–	
16A5	16A-5	ATTIC 1	BROWN / BLK / TAN	SHEET VINYL		1	NF	–	
16A6	16A-6	ATTIC 1	BEIGE GREY	SHEET VINYL		1	NF	–	
16A7	16A-7	ATTIC 1	BROWN	BATTLESHIP		1	NF	–	
16A8	16A-8	ATTIC 1	CREAM / GREEN	SHEET VINYL		1	NF	–	
17	17	ATTIC 1	BLK	ROLLED ROOFING			NOB	–	✓

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DATE: 11/13/12 TIME: 7 00

Lozier Environmental Consulting, Inc.
2011 East Main Street, Rochester, New York
Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
ELAP Accredited No. 11770

Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 35676	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 81		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
18	35676-18	ATTIC 1	BEIGE	WINDOW GLAZE			NOB	–	✓
19A1	19A-1	APT. 1 BATHROOM 1	BLUE	9X9 FLOOR TILE		1	NF	–	
19A2	19A-2	APT. 1 BATHROOM 1	WHITE/GREEN	FLOOR TILE		2	NF	–	
19A3	19A-3	APT. 1 BATHROOM 1	GREEN/GREY	FLOOR TILE		3	NF	–	
20	20	APT. 1 BATHROOM 1	GREY	WALL PLASTER			F	–	
21A	21A	APT. 1 BATHROOM 1	WHITE	CEILING PLASTER		1	F	–	
21B	21B	APT. 1 BATHROOM 1	GREY	CEILING PLASTER		2	F	–	
22A	22A	STAIRWELL TO SECOND	WHITE/Beige	W-SPK		1	F	+	
22B	22B	STAIRWELL TO SECOND	GREY	DRY WALL		2	F	–	
23	✓ 23	APT. 1 LIVING ROOM	BROWN	SHEET VINYL			F	+	

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Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 356676	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 81		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
24	356676-24	APT.1 KITCHEN	WHITE	WINDOW GLAZE			NOB	–	✓
25A	25A	APT.1 KITCHEN	BLUE	WALL VINYL		1	NF	–	
25B	25B	APT.1 KITCHEN	BROWN	WALL VINYL MASTIC		2	NOB	–	✓
26A	26A	APT.1 KITCHEN	RED / BLK	SHEET VINYL		1	NF	–	
26B	26B	APT.1 KITCHEN	GOLD / BLK	SHEET VINYL		2	NF	–	
27	27	APT.1 BEDROOM 3	WHITE	C-SPK			F	–	
28A	28A	APT.1 BEDROOM 3	RED / BLK / GREY	SHEET VINYL		1	NF	–	
28B	28B	APT.1 BEDROOM 3	GOLD / BLK	SHEET VINYL		2	NF	–	
29	29	APT.1 CLOSET 3	TAN	SHEET VINYL			NF	–	
30	30	STAIRS TO BASEMENT	GREEN / RED	9X9 FLOOR TILE			NF	–	

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ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 356676	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 81		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
31	356676-31	BASEMENT	GREY	EXTERIOR BOILER MUD			NF	–	
32	32	BASEMENT	GREY	INTERIOR BOILER MUD			NF	–	CH Trace
33	33	BASEMENT	GREY	INTERIOR BOILER GASKET			F	+	
34	34	BASEMENT	GREY	BOILER INSULATION			F	+	
35	35	BASEMENT	TAN	COUNTER SHEET VINYL			NF	–	
36	36	APT.2 KITCKEN	WHITE	WINDOW GLAZE			NCB	–	✓
37A	37A	APT.2 KITCKEN	YELLOW / GREEN	WALL VINYL		1	NF	–	
37B	37B	APT.2 KITCKEN	BROWN	WALL VINYL MASTIC	Kept.	2	NCB	–	CH Trace ✓
37C	37C	APT.2 KITCKEN	GREY	WALL PLASTER		3	F	–	
38	38	APT.2 KITCKEN	WHITE Beige	W-SPK			F	+	

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Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
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Client:	City of Rochester	Sampling Date: 11/12/12	Lab No.: 35676	Contacted Client	
Address:	30 Church Street	Turn Around:		Left Message	
	Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R	
Contact:	Curt Colombo	Rochester NY			
Phone #	Fax #	No. Samples: 81		Sampled By:	Ron Arthurs

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
39	35676-39	APT. 2 KITCHEN	BEIGE	WINDOW GLAZE			NOB	–	✓
40	40	APT.2 LIVING ROOM	GREY	CEILING PLASTER			F	–	CH 21
41A	41A	APT.2 LIVING ROOM	BROWN	WALL PANEL MASTIC		1	NOB	–	✓
41B	41B	APT.2 LIVING ROOM	WHITE	WALL PLASTER		2	F	–	
41C	41C	APT.2 LIVING ROOM	GREY	WALL PLASTER		3	F	–	
42	42	APT.2 LIVING ROOM	WHITE	CHIMNEY COATING			NF	–	
43	43	APT.2 BEDROOM 1	WHITE	W-SPK			F	–	
44	44	APT. 2 BATHROOM	BLK	FELT			NF	–	
45	45	APT. 2 BACK ENTRY	GREEN / TAN	9X9 FLOOR TILE			NF	–	
46A	46A	REAR ENTRY ROOF	GREEN / WHITE / BLK	SHINGLE		1	NOB	–	✓

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Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
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Client: City of Rochester	Sampling Date: 11/12/12	Lab No.: 35676	Contacted Client _____
Address: 30 Church Street	Turn Around:		Left Message _____
Rochester, New York 14614	Location: 868 North Street		TEM: Yes No T/R
Contact: Curt Colombo	Rochester NY		
Phone # Fax #	No. Samples: 81	Sampled By: Ron Arthurs	

Client ID		Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
46B	35676-46B	REAR ENTRY ROOF	~~FELT~~ BLK	~~BLK~~ FELT		2	NOB	-	✓

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Focused on Results www.amalab.com
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4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 514513

Mailing/Billing Information:
1. Client Name: Lozier Environmental Consulting, Inc.
2. Address 1: 2011 East Main Street
3. Address 2: Rochester, NY 14609
4. Address 3:
5. Phone #: (585) 654-9080 Fax #: (585) 654-9682

Submittal Information:
1. Job Name: City of Rochester
2. Job Location: 828 North St FRONT HOUSE
3. Job #: 35676 P.O. #:
4. Contact Person: Jeanne DeNike @ phone # (585) 654-9080
5. Submitted by: T Bush Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
☐ Immediate Date Due: ☐ 24 Hours Time Due: Comments:	☐ Immediate ☐ Next Day ☐ 2 Day ☒ 3 Day ☐ 5 Day + Date Due: 11/21/12 ☒ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)	☒ Include COC/Field Data Sheets with Report ☒ Email: lozlerenv@aol.com ☐ Fax: ☐ Verbals:

Asbestos Analysis
PCM Air – Please Indicate Filter Type:
- ☐ NIOSH 7400 ____ (QTY)
- ☐ Fiberglass ____ (QTY)

TEM Air – Please Indicate Filter Type:
- ☐ AHERA ____ (QTY)
- ☐ NIOSH 7402 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

PLM Bulk
- ☐ EPA 600 – Visual Estimate ____ (QTY)
- ☐ EPA Point Count ____ (QTY)
- ☐ NY State Friable 198.1 ____ (QTY)
- ☐ Grav. Reduction ELAP 198.6 ____ (QTY)
- ☐ Other (specify ____) ____ (QTY)

MISC
- ☐ Vermiculite
- ☐ Asbestos Soil PLM__(Qual) PLM__(Quan) PLM/TEM__(Qual) PLM/TEM__(Quan)

TEM Bulk
- ☐ ELAP 198.4/Chatfield ____ (QTY)
- ☐ NY State PLM/TEM ____ (QTY)
- ☒ Residual Ash 25 (QTY)

TEM Dust
- ☐ Qual. (pres/abs) Vacuum/Dust ____ (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 ____ (QTY)
- ☐ Quan. (s/area)Dust D6480-99 ____ (QTY)

TEM Water
- ☐ Qual. (pres/abs) ____ (QTY)
- ☐ ELAP 198.2/EPA 100.2 ____ (QTY)
- ☐ EPA 100.1 ____ (QTY)

☒ All samples received in good condition unless otherwise noted. (TEM Water samples ____ °C)

Metals Analysis
- ☐ Pb Paint Chip ____ (QTY)
- ☐ Pb Dust Wipe (wipe type ____) ____ (QTY)
- ☐ Pb Air ____ (QTY)
- ☐ Pb Soil/Solid ____ (QTY)
- ☐ Pb TCLP ____ (QTY)
- ☐ Drinking Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Waste Water ☐ Pb ____ (QTY) ☐ Cu ____ (QTY) ☐ As ____ (QTY)
- ☐ Pb Furnace (Media ____) ____ (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples: ____
Collection Media ____
- ☐ Spore-Trap ____ (QTY)
- ☐ Surface Vacuum Dust ____ (QTY)
- ☐ Surface Swab ____ (QTY)
- ☐ Culturable ID Genus (Media ____) ____ (QTY)
- ☐ Surface Tape ____ (QTY)
- ☐ Culturable ID Species (Media ____) ____ (QTY)
- ☐ Other (Specify ____) ____ (QTY)

SAMPLE INFORMATION: CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	AIR	MATRIX: BULK	DUST	SOIL AND OTHER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
					X						X						Date/Time: Contact: By:
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCVD: 11 / 16 / 12 @1:30 Via: FED By (Print): Chris Niccolaus Sign:
2. Date/Time Analyzed: 11 / 21 / 12 @ 0745 By (Print): Sign:
3. Results Reported To: Via: Date: / / Time: Initials:
4. Comments: 8985 9983 9745

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434
LICENSE NUMBER: 29997
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/17/2012
EXPIRATION DATE: 05/31/2013

Duly Authorized Representative – Ronald A Arthurs

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This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

STATE OF NEW YORK DEPARTMENT OF LABOR

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 11770

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Serial No.: 46501

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 10920

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020 Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

	ASTM E-1979-04
	EPA 600/R-93/200

Serial No.: 46674

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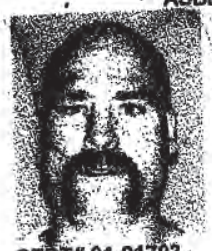
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RON A ARTHURS
CLASS(EXPIRES)
C ATEC(07/13) D INSP(07/13)
H PM (07/13)

CERT# 91-01793
DMV# 107698477
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANGELA MITCHELL
CLASS(EXPIRES)
D INSP(08/13)

CERT# 05-07912
DMV# 526446604
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LONNIE FLINDNER
CLASS(EXPIRES)
C ATEC(08/12) D INSP(08/12)
H PM (08/12)

CERT# 97-13919
DMV# 202917970
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR GRY
HGT 5' 09"

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ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

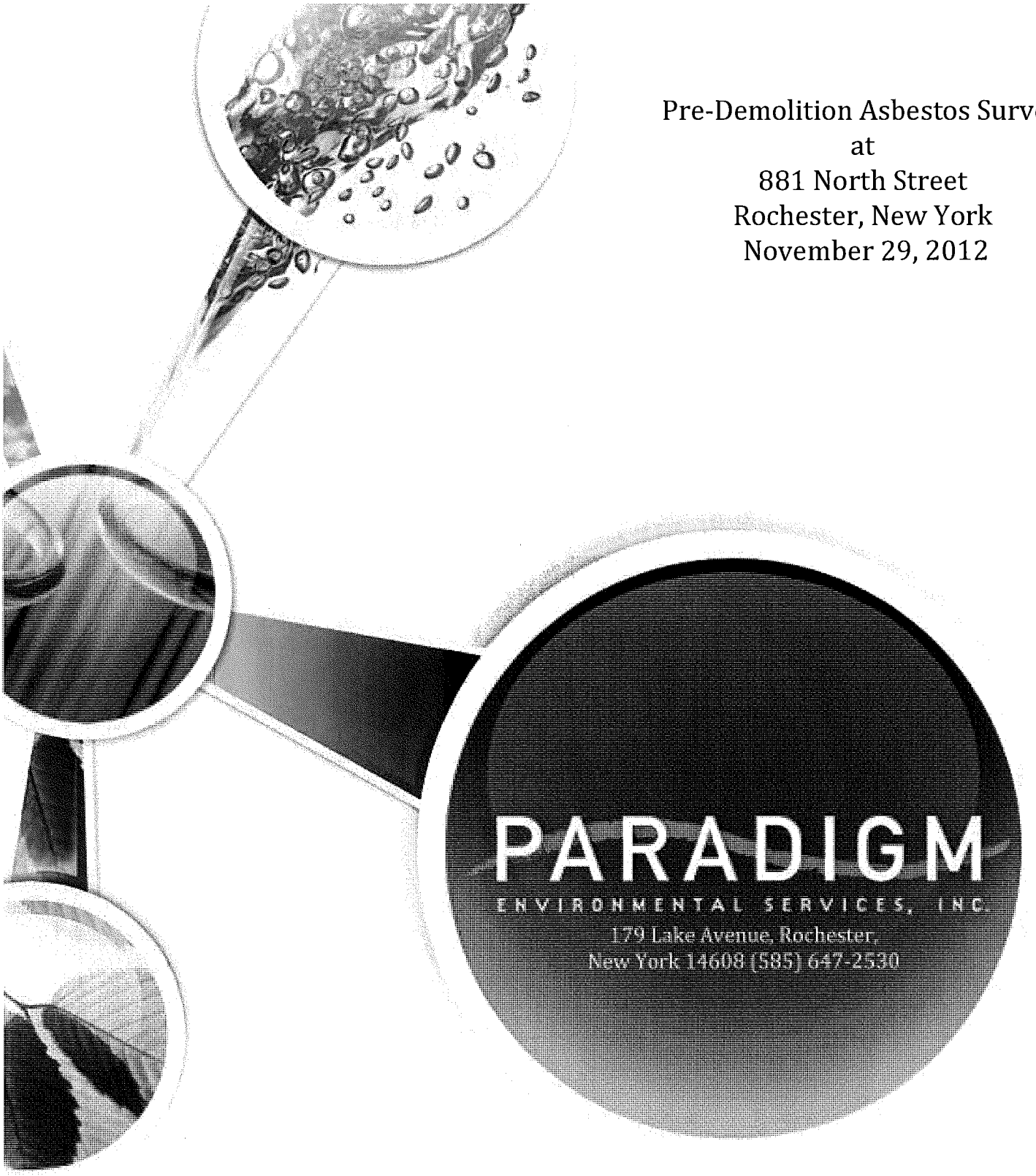
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LESTER J NOTTLER
CLASS(EXPIRES)
C ATEC(04/13) D INSP(04/13)
H PM (04/13)

CERT# 06-12599
DMV# 950405445
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES HAZ
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240



Pre-Demolition Asbestos Survey
at
881 North Street
Rochester, New York
November 29, 2012

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-1096

881 NORTH STREET
ROCHESTER, NEW YORK

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** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-1096

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **November 29, 2012** to conduct an inspection for the detection of asbestos containing materials located at **881 North Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Anthony Hill (AH#06-02018) and Joshua Scheuermann (AH#10-00221) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **881 North Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **881 North Street, Rochester, New York** on **November 29, 2012.** A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	*Sample #'s taken in Room*	*Positive Sample ID #*	*Positive Material Description*	*Location of Material*	*Condition*	*Friable Non-Friable NOB*	*Type of Material*	*SQ FT*	*Lin FT*	*Units*

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
881 North Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
WPL-005	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-006	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-007	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-008	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-017	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-018	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-019	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-020	Gray Wall Plaster	None Detected	Not Required	Non-Friable
MAS-021	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-022	Brown Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SPK-024	White Spackle	None Detected	Not Required	Non-Friable
SPK-025	White Spackle	None Detected	Not Required	Non-Friable
SCT-026	White/Tan 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SCT-027	White/Tan 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
DWL-028	Gray Drywall	None Detected	Not Required	Non-Friable
DWL-036	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-037	White Spackle	Sample Not Analyzed No Spackle Present in Bag	N/A	N/A
WPL-038	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-039	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-051	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-052	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
Flooring Materials				
CRC-001	Gray Ceramic Tile Cement	None Detected	Not Required	Non-Friable
GRT-002	White Grout	None Detected	Not Required	Non-Friable
CRC-003	Gray Ceramic Tile Cement	None Detected	Not Required	Non-Friable
GRT-004	White Grout	None Detected	Not Required	Non-Friable
SVL-009	Gray/Marble Sheet Vinyl and Backing	Chrysotile 19%	Not Required	Friable
SVM-010	Brown Sheet Vinyl Mastic	Chrysotile 23%	Not Required	NOB
SVL-011	Gray/Marble Sheet Vinyl and Backing	Chrysotile 26%	Not Required	Friable
SVM-012	Brown Sheet Vinyl Mastic	Chrysotile 29%	Not Required	NOB
SVL-013	Gray Sheet Vinyl and Backing	Chrysotile 18%	Not Required	Friable
SVM-014	Tan Sheet Vinyl Mastic	Chrysotile 27%	Not Required	NOB
SVL-015	Gray Sheet Vinyl and Backing	Chrysotile 30%	Not Required	Friable
SVM-016	Tan Sheet Vinyl Mastic	Chrysotile 25%	Not Required	Friable
SVL-041	Blue/White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-042	Blue/White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-043	Gray 12"x12" Floor Tile	Chrysotile 13%	Not Required	NOB
FTM-044	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	None Detected	NOB
FT1-045	Gray 12"x12" Floor Tile	Chrysotile 3.9%	Not Required	NOB
FTM-046	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	None Detected	NOB
FT9-047	White/Blue 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-1096

MATERIALS TESTED
881 North Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
FTM-048	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-049	White/Blue 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-050	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT6-053	Red 6"x6" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT6-054	Red 6"x6" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
Thermal Systems Insulation				
DUI-023	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
DUI-029	Gray Duct Insulation	Chrysotile 57%	Not Required	Friable
DUI-030	Gray Duct Insulation	Chrysotile 57%	Not Required	Friable
DIT-031	Gray Duct Insulation Tape	Chrysotile 67%	Not Required	Friable
DIT-032	Gray Duct Insulation Tape	Chrysotile 67%	Not Required	Friable
FLP-033	Gray Flue Patch	Chrysotile 80%	Not Required	Friable
FLP-034	Gray Flue Patch	Chrysotile 80%	Not Required	Friable
FLP-035	Gray Flue Patch	Chrysotile 80%	Not Required	Friable
Window Caulk and Glaze				
WIG-055	Tan Window Glaze	Chrysotile 5.1%	Not Required	Non-Friable
WIG-056	Tan Window Glaze	Chrysotile 3.2%	Not Required	Non-Friable
Exterior Materials				
TRN-057	Gray Transite	Chrysotile 44%	Not Required	Non-Friable
PAP-058	Black Paper	None Detected	Not Required	Friable
PAP-059	Silver Paper	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-060	Brown Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
PAP-061	Red Paper	None Detected	Not Required	Friable
TRN-062	Gray Transite	Chrysotile 40%	Not Required	Friable
PAP-063	Black Paper	None Detected	Not Required	Friable
PAP-064	Silver Paper	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-065	Brown Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
PAP-066	Red Paper	None Detected	Not Required	Friable
Roofing Materials				
ROS-067	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-068	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
881 North Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	030-035	DIT-030, 031, 032	Gray Duct Insulation Tape	On Duct Seams	Fair	Friable	TSI		195	
		FLP-033, 034, 035	Gray Flue Patch	At Chimney Flue	Fair	Friable	TSI	4		
		TRN-057	Gray Transite	Panel on Floor	Good	Non-Friable	Misc	65		
First Floor										
7 144 square feet	036, 037	None	No Asbestos Detected					0	0	0
8 Dining Room 168 square feet	None	DUI-023, 029, 040	Gray Duct Insulation	In Wall at Heat Register	Fair	Friable	TSI	36		
9 Bedroom 120 square feet	038-040	DUI-040	Gray Duct Insulation	In Wall at Heat Register	Fair	Friable	TSI	40		
10 48 square feet	041, 042	DUI-023	Gray Duct Insulation	In Wall at Heat Register and Cavity	Fair	Friable	TSI	40		
11 Kitchen 144 square feet	043-046	FT1-043, 045	Gray 12"x12" Floor Tile	Floor	Fair	NOB	Misc	144		
12 Stairwell 36 square feet	047-052	None	No Asbestos Detected					0	0	0
13 18 square feet	053-056	TRN-057	Gray Transite	Panels on Floor	Good	Non-Friable	Misc	4		
Second Floor										
1 Bedroom 140 square feet	None	None	No Asbestos Detected					0	0	0
2 Kitchen 196 square feet	009-020	SVL-009, 011	Gray/Marble Sheet Vinyl and Backing	Partial Floor	Good	Friable	Misc	131		
		SVM-010, 011	Brown Sheet Vinyl Mastic	Partial Floor	Good	NOB	Misc	131		
		SVL-013, 015	Gray Sheet Vinyl and Backing	Partial Floor	Good	Friable	Misc	65		
		SVM-014, 016	Tan Sheet Vinyl Mastic	Partial Floor	Good	NOB	Misc	65		
3 Bathroom 50 square feet	001-008	None	No Asbestos Detected					0	0	0
4 Bedroom 120 square feet	023	DUI-023	Gray Duct Insulation	In Wall at Heat Register	Good	Friable	TSI	4		
		TRN-057	Gray Transite	Panels on Floor	Good	Non-Friable	Misc	45		
5 Bedroom 144 square feet	029	DUI-0296	Gray Duct Insulation	In Floor at Heat Register	Good	Friable	TSI	4		
6 Stairwell	None	None	No Asbestos Detected					0	0	0

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-1096

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
881 North Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
				Exterior						
Exterior	055-068	TRN-057, 067	Gray Transite	Siding - 1st Layer	Good	Non-Friable	Misc	2100		
		WIG-055, 056	Tan Window Glaze	Around Windows	Good	Non-Friable	Misc		425	
								2878	620	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

***** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.***

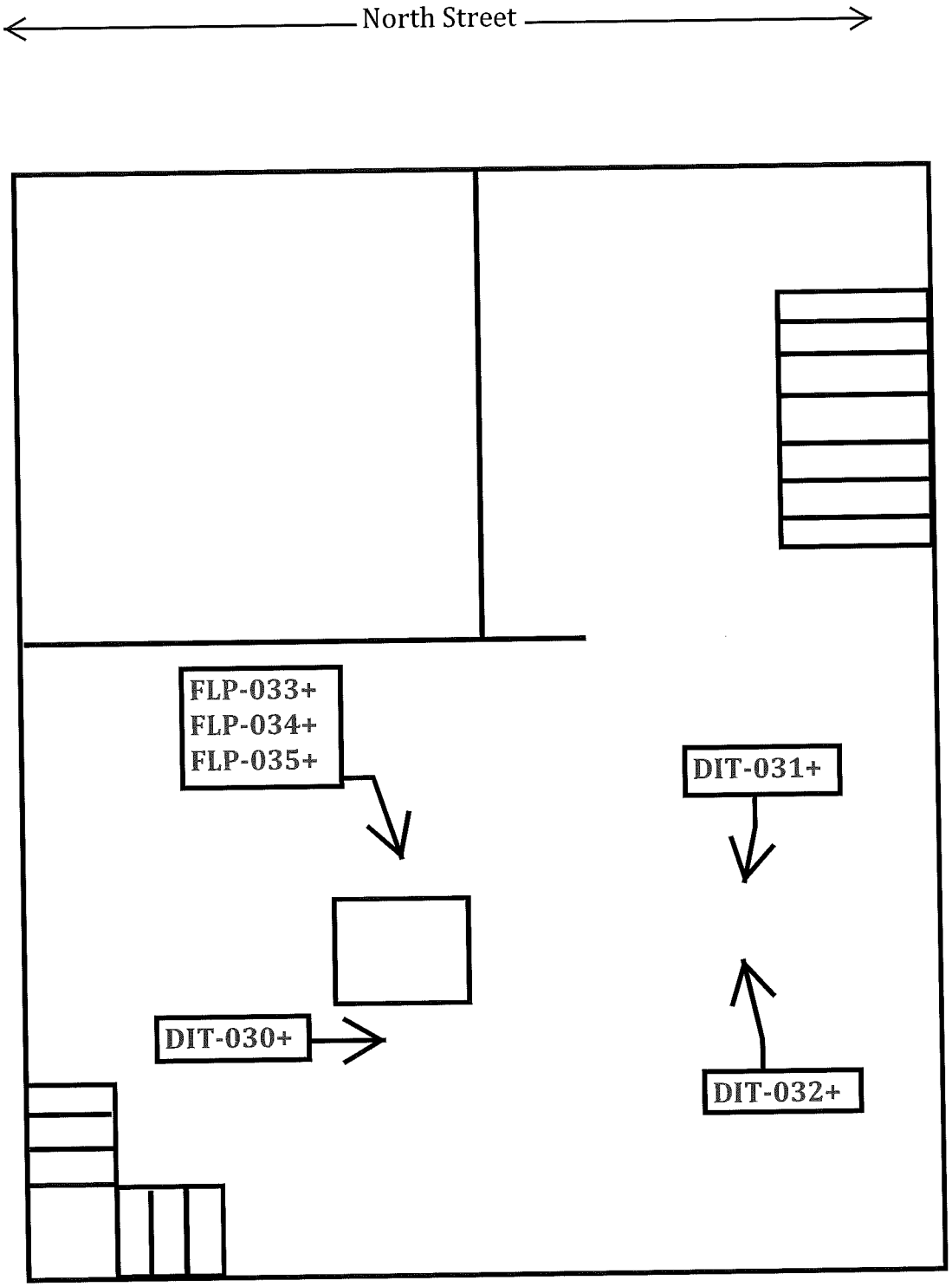
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

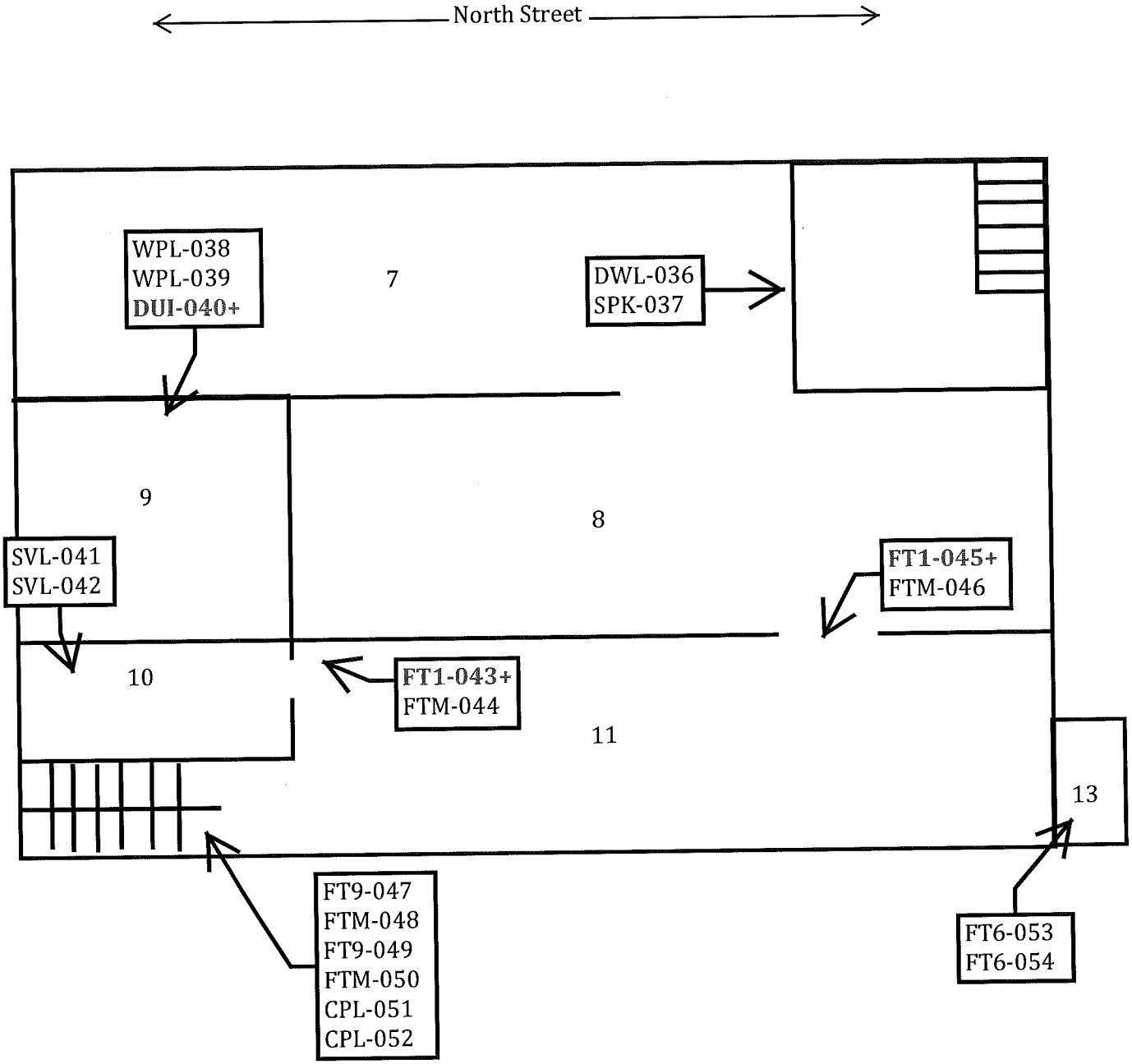
Paradigm certifies that this report regarding 881 North Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on November 29, 2012.

Anthony Hill
Envoy Environmental Consultants, Inc.
Inspector # AH 06-02018

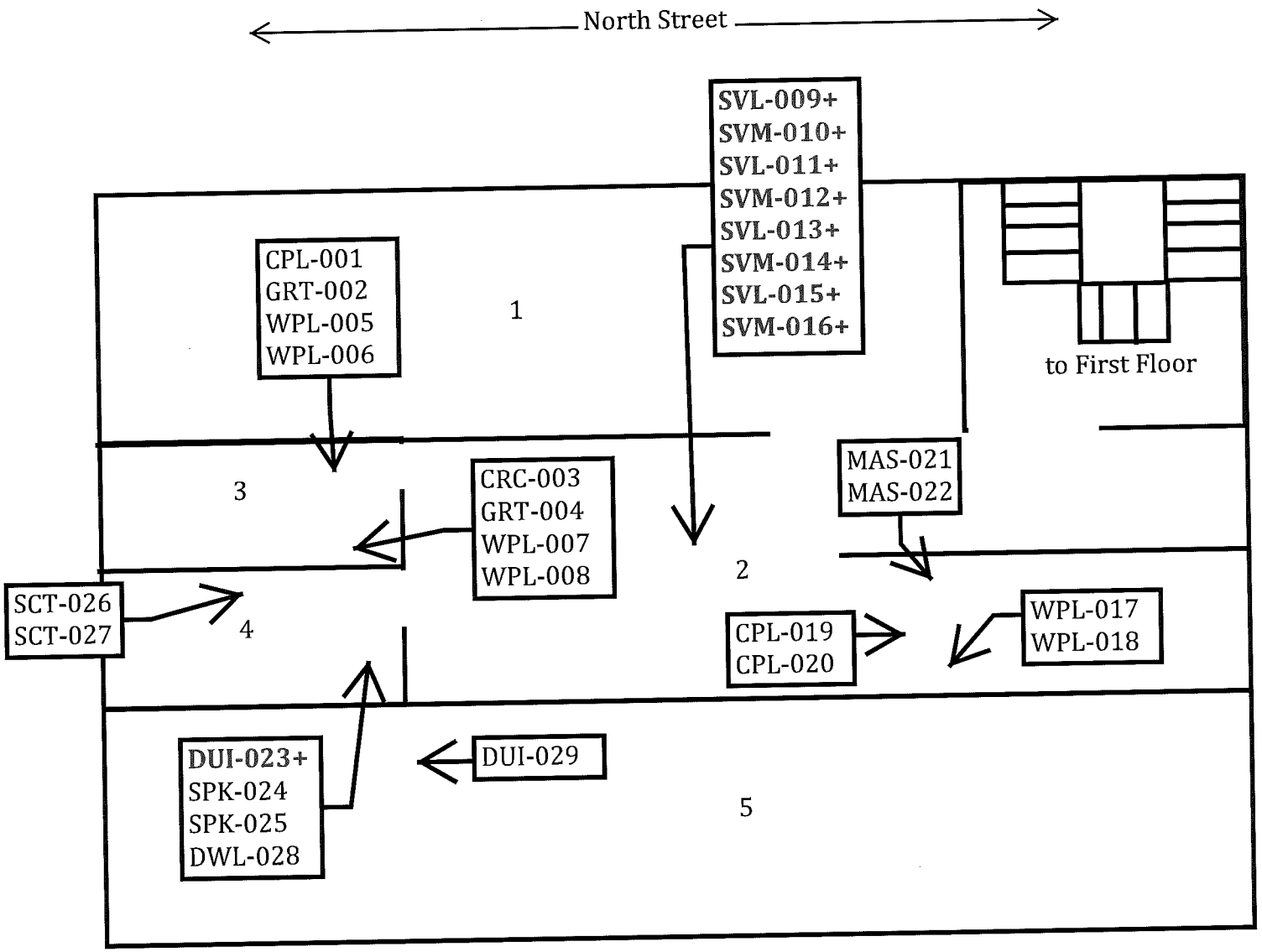
CLIENT: City of Rochester
LOCATION: 881 North Street
AREA: Basement
DATE: November 29, 2012
JOB NUMBER: 12-1096



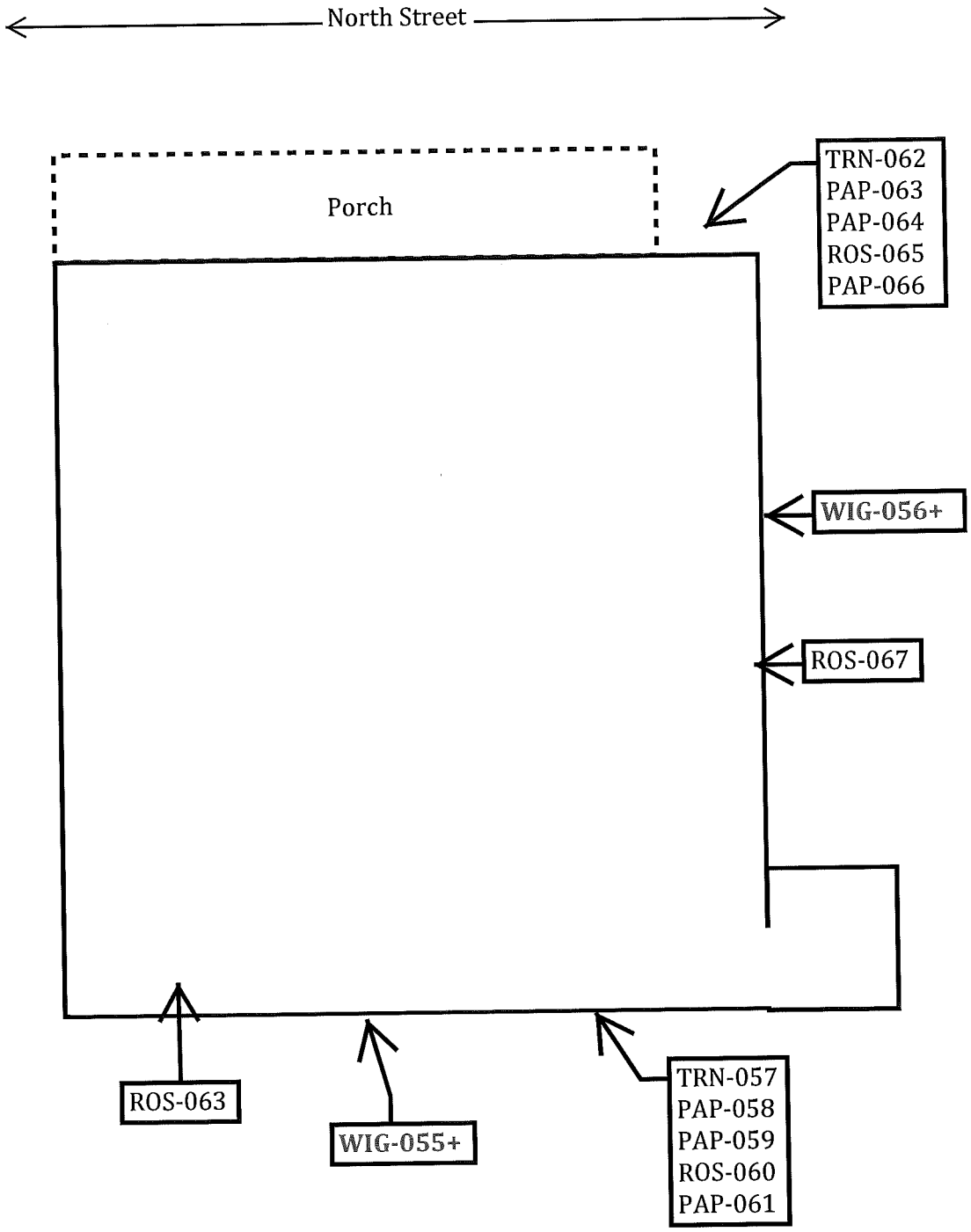
CLIENT: City of Rochester
LOCATION: 881 North Street
AREA: First Floor
DATE: November 29, 2012
JOB NUMBER: 12-1096



CLIENT: City of Rochester
LOCATION: 881 North Street
AREA: Second Floor
DATE: November 29, 2012
JOB NUMBER: 12-1096



CLIENT: City of Rochester
LOCATION: 881 North Street
AREA: Exterior
DATE: November 29, 2012
JOB NUMBER: 12-1096



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 881 North Street House
Sample Date: 11/29/2012

Job No: 13051-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CRC-001	86937	Room 3 Floor	Gray Ceramic Tile Cement	None Detected	0%		Not Required	N/A	None Detected	100%
GRT-002	86938	Room 3 Floor	White Grout	None Detected	0%		Not Required	N/A	None Detected	100%
CRC-003	86939	Room 3 Floor	Gray Ceramic Tile Cement	None Detected	0%		Not Required	N/A	None Detected	100%
GRT-004	86940	Room 3 Floor	White Grout	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-005	86941	Room 3 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-006	86942	Room 3 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-007	86943	Room 3 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	86944	Room 3 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
SVL-009	86945	Room 2 Floor	Gray/Marble Fibrous Sheet Vinyl and Backing	Chrysotile 19%	19%	#	Not Required	N/A	None Detected	81%
SVM-010	86946	Room 2 Floor	Brown Fibrous Sheet Vinyl Mastic	Chrysotile 23%	23%	√	Not Required	N/A	None Detected	77%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/5/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 # Fax 585.454.1062

Client Mailing Address: City Hall
Room 028B, 30 Church st.
Rochester NY 14614

Project Location:

Client: City of Rochester

Phone Number:

Results To: CALL Tech [X] Client [ ]

Date Sampled: 11-29-12

Project Address: 881 North st. Rochester NY

Contact: Curt Columbo/Chuck Fox

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]

Fax Number or email address:
Columboc@cityofrochester.gov
foxc@cityofrochester.gov.

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Number: 12-1096

OFFICE USE ONLY

Job #: 13051-12

Page 2 of 2

Date Logged In: 11/29/12

Logged In By: KS

1 of 7 COC

General Location: House

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CRC-001	86937	Room 3 floor		GRY		CRC	NF
2	GRT-002	38	"		WH		GRT	"
3	CRC-003	39	"		GRY		CRC	"
4	GRT-004	40	"		WH		GRT	"
5	WPL-005	41	Room 3 wall		WH		Plaster	"
6	WPL-006	42	"		GRY		"	"
7	CPL-007	43	Room 3 ceiling		WH		"	"
8	CPL-008	44	"		GRY		"	"
9	SVL-009	45	Room 2 floor		GRY/Marble		SVL	"
10	SVM-010	46	"		BRN		SVM	"

Sampled By: Anthony Hill Date: 11-29-12

Transported to Paradigm By: Anthony Hill Date: 11-29-12

Received By: KS Date: 11/29/12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 881 North Street, Rochester, New York

Job No: 13052-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-011	86947	Room 2 Floor	Gray/Marble Fibrous Sheet Vinyl and Backing	Chrysotile 26%	26%	#	Not Required	N/A	None Detected	74%
SVM-012	86948	Room 2 Floor	Brown Fibrous Sheet Vinyl Mastic	Chrysotile 29%	29%	√	Not Required	N/A	None Detected	71%
SVL-013	86949	Room 2 Floor	Gray Fibrous Sheet Vinyl and Backing	Chrysotile 18%	18%	#	Not Required	N/A	None Detected	82%
SVM-014	86950	Room 2 Floor	Tan Sheet Vinyl Mastic	Chrysotile 27%	27%	√	Not Required	N/A	None Detected	73%
SVL-015	86951	Room 2 Floor	Gray Fibrous Sheet Vinyl and Backing	Chrysotile 30%	30%		Not Required	N/A	None Detected	70%
SVM-016	86952	Room 2 Floor	Tan Fibrous Sheet Vinyl Mastic	Chrysotile 25%	25%	√	Not Required	N/A	None Detected	75%
WPL-017	86953	Room 2 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-018	86954	Room 2 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-019	86955	Room 2 Ceiling	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-020	86956	Room 2 Ceiling	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/5/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo/Chuck Fox	
Client Mailing Address: City Hall Room 028B, 30 Church st. Rochester NY 14614	Phone Number:	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: columboc@cityofrochester.gov foxc@cityofrochester.gov.
	Date Sampled: 11-29-12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:	Project Address: 881 North st. Rochester NY	Project Number: 12-1096

OFFICE USE ONLY

Job #: 13052-12

Page 2 of 248

Date Logged In: 11/29/12

Logged In By: KS

2 of 7 COC

General Location: House

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL-011	86947	Room 2 floor		GRY/Marble		SVL	NF
2	SVM-012	948	"		BRN		SVM	"
3	SVL-013	49	"		GRY		SVL	"
4	SVM-014	50	"		TAN		SVM	"
5	SVL-015	51	"		GRY		SVL	"
6	SVM-016	52	"		TAN		SVM	"
7	WPL-017	53	Room 2 wall		WH		Plaster	"
8	WPL-018	54	"		GRY		"	"
9	CPL-019	55	Room 2 ceiling		WH		"	"
10	CPL-020	56	"		GRY		"	"

Sampled By: Anthony Hill	Date: 11-29-12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: Anthony Hill	Date: 11-29-12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: KS	Date: 11/29/12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 881 North Street House
Sample Date: 11/29/2012

Job No: 13053-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
MAS-021	86957	Room 2 Wall	Brown Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 1%	99%
MAS-022	86958	Room 2 Wall	Brown Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 1%	99%
DUI-023	86959	Room 4 in Wall at Heat Register	Gray Fibrous Duct Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
SPK-024	86960	Room 4 Wall	White Spackle	None Detected	0%		Not Required	N/A	Wollastonite 2%	98%
SPK-025	86961	Room 4 Wall	White Spackle	None Detected	0%		Not Required	N/A	Wollastonite 2%	98%
SCT-026	86962	Room 4 Ceiling	White/Tan Fibrous 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 90%	10%
SCT-027	86963	Room 4 Ceiling	White/Tan Fibrous 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 90%	10%
DWL-028	86964	Room 4 Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
DUI-029	86965	Room 5 in Floor at Heat Register	Gray Fibrous Duct Insulation	Chrysotile 57%	57%		Not Required	N/A	Cellulose 20%	23%
DIT-030	86966	Basement on Duct Seam	Gray Fibrous Duct Insulation Tape	Chrysotile 57%	57%		Not Required	N/A	Cellulose 20%	23%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/10/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/12/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo/Chuck Fox	
Client Mailing Address: City Hall Room 028B, 30 Church st. Rochester NY 14614	Phone Number:	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: Columboc@cityofrochester.gov foxc@cityofrochester.gov
Project Location:	Date Sampled: 11-29-12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
	Project Address: 881 North st. Rochester NY	Project Number: 12-1096

OFFICE USE ONLY

Job #: 13053-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
3 of 7 COC

General Location: House

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	MAS-021	86957	Room 2 wall	Plastic Tile	BRN		MAS	NF
2	MAS-022	58	"	"	"		"	"
3	DUI-023	59	Room 4 in wall @ heat register		GRY		DUI	F
4	SPK-024	60	Room 4 wall		WH		SPK	"
5	SPK-025	61	"		"		"	"
6	SCT-026	62	Room 4 ceiling		WH/TAN	1x1	SCT	"
7	SCT-027	63	"		"	"	"	"
8	DWL-028	64	Room 4 wall		GRY		DWL	NF
9	DUI-029	65	Room 5 in ~~wall~~ floor @ heat register		"		DUI	F
10	DIT-030	66	Basement on duct seam					

Sampled By: Anthony Hill	Date: 11-29-12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: Ant Hill	Date: 11-29-12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X] or provide TEM contact name:	
Received By: KS	Date: 11/29/12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 881 North Street
House
Sample Date: 11/29/2012

Job No: 13054-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DIT-031	86967	Basement on Duct Seam	Gray Fibrous Duct Insulation Tape	Chrysotile 67%	67%		Not Required	N/A	Cellulose 20%	13%
DIT-032	86968	Basement on Duct Seam	Gray Fibrous Duct Insulation Tape	Chrysotile 67%	67%		Not Required	N/A	Cellulose 20%	13%
FLP-033	86969	Basement at Chimney Flue	Gray Fibrous Flue Patch	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
FLP-034	86970	Basement at Chimney Flue	Gray Fibrous Flue Patch	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
FLP-035	86971	Basement at Chimney Flue	Gray Fibrous Flue Patch	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DWL-036	86972	Room 7 Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
SPK-037	86973	Room 7 Wall	White Spackle	No Spackle Present in Bag	N/A		N/A	N/A	N/A	N/A
WPL-038	86974	Room 9 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-039	86975	Room 9 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 3%	97%
DUI-040	86976	Room 9 in Wall at Heat Register	Gray Fibrous Duct Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/10/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester

Contact: Curt Columbo/Chuck Fox

Phone Number:

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]

Fax Number or email address: Columboc@cityofrochester.gov foxc@cityofrochester.gov.

Client Mailing Address: City Hall Room 028B 30 Church st. Rochester NY 14614

Results To: CALL Tech [X] Client [ ]

Date Sampled: 11-29-12

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Location:

Project Address: 881 North st. Rochester NY

Project Number: 12-1096

OFFICE USE ONLY

Job #: 13054-12

Page 2 of 2

Date Logged In: 11/29/12

Logged In By: KS

4 of 7 COC

General Location: House

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT-031	86967	Basement on duct seam		GRY		DIT	F
2	DIT-032	68	"		"		"	"
3	FLP-033	69	Basement @ chimney flue		"		Flue Patch	"
4	FLP-034	70	"		"		"	"
5	FLP-035	71	"		"		"	"
6	DWL-036	72	Room 7 wall		"		DWL	NF
7	SPK-037	73	"		WH		SPK	F
8	WPL-038	74	Room 9 wall		WH		Plaster	NF
9	WPL-039	75	"		GRY		"	"
10	DUI-040	76	Room 9 in wall @ heat register		GRY		DUI	F

Sampled By: Anthony Hill Date: 11-29-12

Transported to Paradigm By: [signature] Date: 11-29-12

Received By: KS Date: 11/29/12

CHECK ONE: SURVEY [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 881 North Street
House
Sample Date: 11/29/2012

Job No: 13055-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-041	86977	Room 10 Floor	Blue/White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-042	86978	Room 10 Floor	Blue/White Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-043	86979	Room 11 Floor	Gray Fibrous 12"x12" Floor Tile	Chrysotile 13%	13%	√	Not Required	N/A	None Detected	87%
FTM-044	86980	Room 11 Floor	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	None Detected	<1.0%	None Detected	100%
FT1-045	86981	Room 11 Floor	Gray 12"x12" Floor Tile	Chrysotile 3.9%	3.9%	√	Not Required	N/A	None Detected	96.1%
FTM-046	86982	Room 11 Floor	Tan Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	None Detected	<1.0%	None Detected	100%
FT9-047	86983	Room 12 Stair Tread	White/Blue 9"x9" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-048	86984	Room 12 Stair Tread	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT9-049	86985	Room 12 Stair Tread	White/Blue 9"x9" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-050	86986	Room 12 Stair Tread	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/10/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 12/14/2012
TEM Analyst: M. Lochner

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

OFFICE USE ONLY

Job #: 13055-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
5 of 7 COC

Client: City of Rochester
Contact: Curt Columbo/Chuck Fox
Phone Number:
SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
Fax Number or email address: columboc@cityofrochester.gov foxc@cityofrochester.gov
Client Mailing Address: City Hall Room 028B, 30 Church st. Rochester NY 14614
Results To: CALL Tech [X] Client [ ]
Date Sampled: 11-29-12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:
Project Address: 881 North st. Rochester NY
Project Number: 12-1096

General Location: House

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL-041	86977	Room 10 floor		BLU/WH		SVL	NF
2	SVL-042	78	"		"		"	"
3	FT1-043	79	Room 11 floor		GRY		FT1	"
4	FTM-044	80	"		TAN		FTM	"
5	FT1-045	81	"		GRY		FT1	"
6	FTM-046	82	"		TAN		FTM	"
7	FT9-047	83	Room 12 ~~floor~~ stair tread		WH/BLU		FT9	"
8	FTM-048	84	~~Room~~ "		BRN		FTM	"
9	FT9-049	85	"		WH/BLU		FT9	"
10	FTM-050	86	"		BRN		FTM	"

Sampled By: Anthony Hill Date: 11-29-12
Transported to Paradigm By: [signature] Date: 11-29-12
Received By: KS Date: 11/29/12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 881 North Street House
Sample Date: 11/29/2012

Job No: 13056-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
CPL-051	86987	Room 12 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-052	86988	Room 12 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
FT6-053	86989	Room 13 Floor	Red 6"x6" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT6-054	86990	Room 13 Floor	Red 6"x6" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WIG-055	86991	Exterior on Window Glass	Tan Window Glaze	Chrysotile 5.1%	5.1%	#	Not Required	N/A	None Detected	94.9%
WIG-056	86992	Exterior on Window Glass	Tan Window Glaze	Chrysotile 3.2%	3.2%	#	Not Required	N/A	None Detected	96.8%
TRN-057	86993	Exterior Siding L1	Gray Fibrous Transite	Chrysotile 44%	44%		Not Required	N/A	None Detected	56%
PAP-058	86994	Exterior Siding L2	Black Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 90%	10%
PAP-059	86995	Exterior Siding L3	Silver Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-060	86996	Exterior Siding L4	Brown Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/10/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/12/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

OFFICE USE ONLY

Job #: B056-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
6 of 7 COC

Client: City of Rochester
Contact: Curt Columbo/Chuck Fox
SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
Phone Number:
Fax Number or email address: Columboc@cityofrochester.gov foxc@cityofrochester.gov.
Client Mailing Address: City Hall Room 028B, 30 Church st. Rochester NY 14614
Results To: CALL Tech [X] Client [ ]
Date Sampled: 11-29-12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location:
Project Address: 881 North st. Rochester NY
Project Number: 12-1096

General Location: House

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CPL-051	86987	Room 12 ceiling		WH		Plaster	NF
2	CPL-052	88	"		GRY		"	"
3	FT6-053	89	Room 13 Floor	MASTIC	Red	6" x 6"	Floor tile	"
4	FT6-054	90	"	"	"	"	"	"
5	WIG 055	91	Exterior on windowglass		TAN		WIG	"
6	WIG-056	92	"		"		"	"
7	TRN-057	93	Exterior siding L1		GRY		TRN	"
8	PAP-058	94	" L2		BLK		PAP	F
9	PAP-059	95	" L3		silver		"	"
10	ROS-060	96	" L4		BRN		ROS	NF

Sampled By: Anthony Hill Date: 11-29-12
Transported to Paradigm By: [signature] Date: 11-29-12
Received By: KS Date: 11/29/12

CHECK ONE: SURVEY [X] BULKS ONLY [ ]
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 881 North Street House
Sample Date: 11/29/2012

Job No: 13057-12

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
PAP-061	86997	Exterior Siding Under Wood L5	Red Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 70%	30%
TRN-062	86998	Exterior Siding L1	Gray Fibrous Transite	Chrysotile 40%	40%		Not Required	N/A	None Detected	60%
PAP-063	86999	Exterior Siding L2	Black Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
PAP-064	87000	Exterior Siding L3	Silver Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-065	87001	Exterior Siding L4	Brown Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
PAP-066	87002	Exterior Siding Under Wood L5	Red Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 70%	30%
ROS-067	87003	Roof	Black Fibrous Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 30%	70%
ROS-068	87004	Roof	Black Fibrous Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 30%	70%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/10/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/12/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester

Contact: Curt Columbo/Chuck Fox

Phone Number:

SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]

Fax Number or email address: Columboc@cityofrochester.gov foxc@cityofrochester.gov.

Client Mailing Address: City Hall Room 028B, 30 Church st. Rochester NY 14614

Results To: CALL Tech [X] Client [ ]

Date Sampled: 11-29-12

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]

Project Location:

Project Address: 881 North st. Rochester NY

Project Number: 12-1096

OFFICE USE ONLY

Job #: 13057-12

Page 2 of 2

Date Logged In: 11/29/12

Logged In By: KS

7 of 7 COC

General Location: House

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	PAP-061	86997	Exterior Siding under wood L5		Red		PAP	F
2	TRN-062	98	Exterior Siding L1		GRY		TRN	NF
3	PAP-063	99	" L2		BLK		PAP	F
4	PAP-064	00	" L3		Silver		"	"
5	ROS-065	01	" L4		BRN		ROS	NF
6	PAP-066	02	Exterior siding under wood L5		Red		PAP	F
7	ROS-067	03	Roof		BLK		ROS	NF
8	ROS-068	04	"		"		"	"
9								
10								

Sampled By: Anthony Hill Date: 11-29-12

Transported to Paradigm By: [signature] Date: 11-29-12

Received By: KS Date: 11/29/12

CHECK ONE: **SURVEY** [X] **BULKS ONLY** [ ]

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]

or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at [ ]

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative - Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 46232

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JOSHUA R SCHEUERMANN
CLASS(EXPIRES)
C ATEC(10/13) D INSP(10/13)
H PM (10/13)

CERT# 10-00221
DMV# 358570242

MUST BE CARRIED ON ASBESTOS PROJECTS

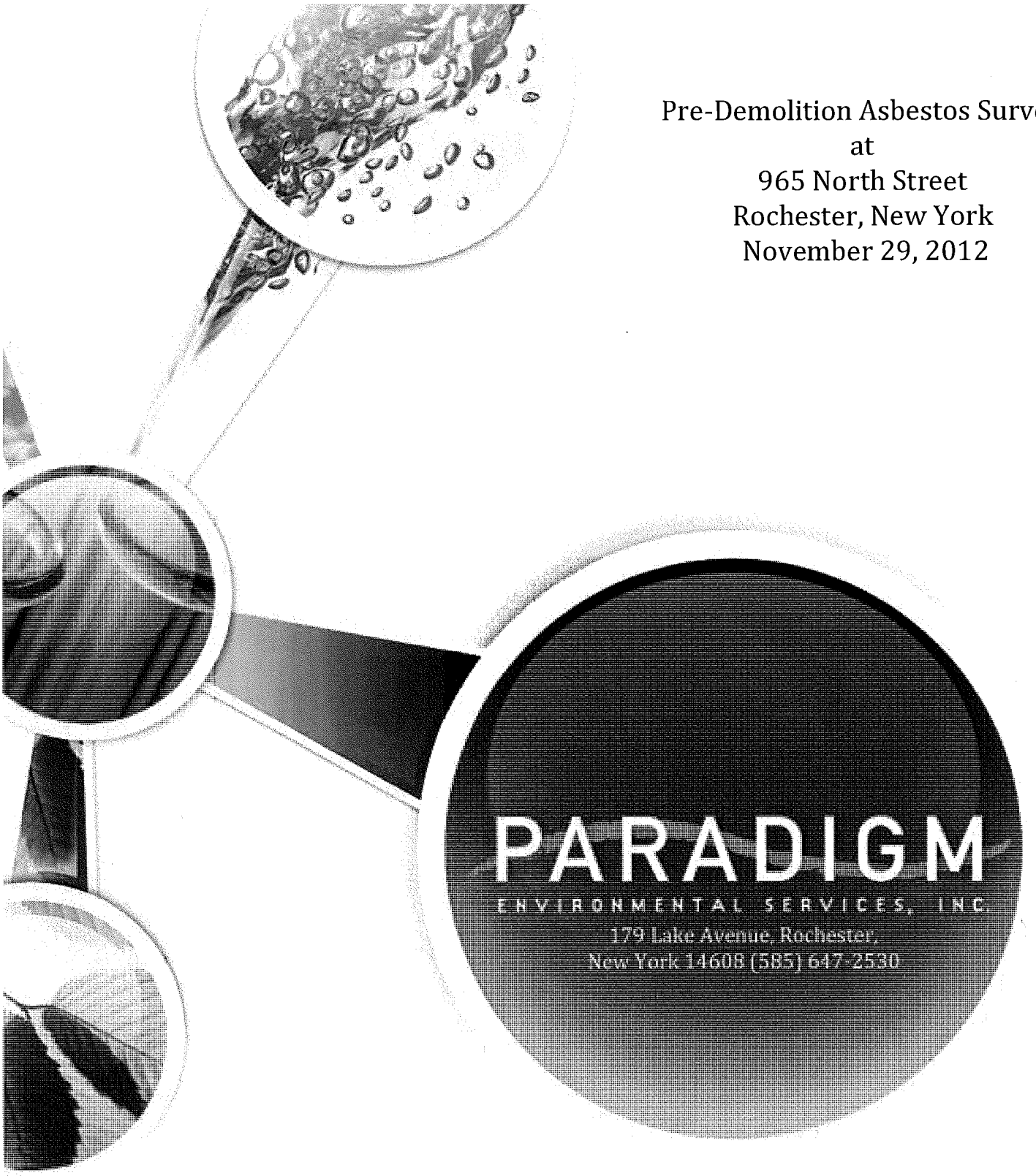
STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

ANTHONY J HILL
CLASS(EXPIRES)
C ATEC(09/13) D INSP(09/13)
H PM (09/13)

CERT# 06-02018
DMV# 688601121

MUST BE CARRIED ON ASBESTOS PROJECTS



Pre-Demolition Asbestos Survey
at
965 North Street
Rochester, New York
November 29, 2012

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-1097

965 NORTH STREET
ROCHESTER, NEW YORK

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CERTIFICATIONS

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-1097

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **November 29, 2012** to conduct an inspection for the detection of asbestos containing materials located at **965 North Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Joshua Scheuermann (AH#10-00221) and Anthony Hill (AH#06-02018) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **965 North Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **965 North Street, Rochester, New York** on **November 29, 2012**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	*Sample #'s taken in Room*	*Positive Sample ID #*	*Positive Material Description*	*Location of Material*	*Condition*	*Friable Non-Friable NOB*	*Type of Material*	*SQ FT*	*Lin FT*	*Units*

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
965 North Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Ceiling and Wall Materials				
CPL-007	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-008	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-009	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-010	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-013	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-014	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-015	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-016	Gray Wall Plaster	None Detected	Not Required	Non-Friable
DWL-020	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-021	White Spackle	Chrysotile 4.7%	Not Required	Non-Friable
DWL-029	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-030	White Spackle	None Detected	Not Required	Non-Friable
WPL-033	White Spackle	None Detected	Not Required	Non-Friable
WPL-033	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-034	Gray Wall Plaster	None Detected	Not Required	Non-Friable
SCT-035	Tan 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SCT-036	Tan 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
CPL-043	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-044	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
SCT-051	Tan 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
WPL-052	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-053	Gray Wall Plaster	None Detected	Not Required	Non-Friable
MAS-060	Black Mastic	Chrysotile 22%	Not Required	NOB
MAS-061	Black Mastic	Chrysotile 23%	Not Required	NOB
SPK-062	White Spackle	None Detected	Not Required	Non-Friable
MAS-063	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
MAS-064	Tan Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
SCT-071	Tan 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
Flooring Materials				
SVL-011	Green Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-012	Green Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-017	Tan/Black Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-018	Brown Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-019	Brown Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-022	Tan/Black Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-023	Red 9"x9" Floor Tile	Chrysotile 17%	Not Required	NOB
FTM-024	Black Floor Tile Mastic	Chryostile 10%	Not Required	NOB
FT9-025	Red 9"x9" Floor Tile	Chrysotile 28%	Not Required	NOB
FTM-026	Black Floor Tile Mastic	Chrysotile 5.7%	Not Required	NOB
FT9-027	Green 9"x9" Floor Tile	Chrysotile 27%	Not Required	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-1097

MATERIALS TESTED
965 North Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
FT9-028	Green 9"x9" Floor Tile	Chrysotile 23%	Not Required	NOB
SVL-031	Cream Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-032	Cream Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
SVL-037	Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-038	Gray Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-039	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-040	Yellow Floor Tile Mastic	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
FT1-041	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-042	Yellow Floor Tile Mastic	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
FT1-045	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-046	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-047	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-048	Brown Floor Tile Mastic	None Detected	<1.0% Residue Remaining TEM Not Required	NOB
FT1-049	Brown 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-050	Brown 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-054	Gray 9"x9" Floor Tile	Chrysotile 15%	Not Required	NOB
FTM-055	Black Floor Tile Mastic	Trace Chrysotile	<1.0% Residue Remaining TEM Not Required	NOB
SVL-056	Brown/Black Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-057	Gray 9"x9" Floor Tile	Chrysotile 22%	Not Required	NOB
FTM-058	Black Floor Tile Mastic	Chrysotile 1.2%	Not Required	NOB
SVL-059	Black/Brown Sheet Vinyl and Backing	Chrysotile 1.47%	Not Required	Friable
SVL-065	Red Sheet Vinyl and Backing	Chrysotile 8.8%	Not Required	Friable
SVL-066	Gold Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-067	Gold Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-068	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-069	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-070	Red Sheet Vinyl and Backing	Chrysotile 16%	Not Required	Friable
Thermal Systems Insulation				
DIT-001	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
DIT-002	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
DIT-003	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
FLP-004	Gray Flue Patch	None Detected	Not Required	Friable
FLP-005	Gray Flue Patch	None Detected	Not Required	Friable

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-1097

MATERIALS TESTED
965 North Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
FLP-006	Gray Flue Patch	Chrysotile 67%	Not Required	Friable
Window Caulk and Glaze				
WIG-072	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
WIG-073	White Window Glaze	Chrysotile 5.0%	Not Required	Non-Friable
Roofing Materials				
ROS-074	Brown Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-075	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-076	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-079	Brown Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-078	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-079	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
965 North Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	001-006	DIT-001, 002, 003	Gray Duct Insulation Tape	On Duct Seams	Fair	Friable	TSI		25	
		FLP-006	Gray Flue Patch	At Chimney Flue	Fair	Friable	TSI	4		
First Floor										
8 Bedroom 96 square feet	033-035	SPK-021	White Spackle	Closet Walls	Good	Non-Friable	Misc	48		
9 Bedroom 144 square feet	036	SPK-021	White Spackle	Closet Walls	Good	Non-Friable	Misc	50		
10 Kitchen 80 square feet	037-042	SPK-021	White Spackle	Three Walls	Good	Non-Friable	Misc	260		
11 Bathroom 60 square feet	043-048	None	No Asbestos Detected					0	0	0
12 Entry Way	049, 050	SPK-021	White Spackle	One Wall	Good	Non-Friable	Misc	65		
13 Living Room 168 square feet	051-053	None	No Asbestos Detected					0	0	0
14 Dining Room 252 square feet	054-062	SPK-021	White Spackle	One Wall and Ceiling	Good	Non-Friable	Misc	162		
		FT9-054, 057	Gray 9"x9" Floor Tile	Floor - 1st Layer	Good	NOB	Misc	252		
		FTM-055, 058	Black Floor Tile Mastic	Floor - 1st Layer	Good	NOB	Misc	252		
		SVL-059	Brown/Black Sheet Vinyl and Backing	Floor - 2nd Layer	Good	Friable	Misc	252		
		MAS-060, 061	Black Mastic	One Wall	Fair	NOB	Misc	8		
15 48 square feet	063-067	SPK-021	White Spackle	Four Walls and Ceiling	Fair	Non-Friable	Misc	260		
		SVL-065	Red Sheet Vinyl and Backing	Floor - 1st Layer	Fair	Friable	Misc	48		
16 300 square feet	068-071	SPK-021	White Spackle	Two Walls and Ceiling	Fair	Non-Friable	Misc	260		
		FTM-055	Black Floor Tile Mastic	Floor	Good	Non-Friable	Misc	60		
		SVL-070	Red Sheet Vinyl and Backing	Floor	Good	Friable	Misc	60		
Second Floor										
1 Bedroom 100 square feet	007-012	None	No Asbestos Detected					0	0	0
2 Bedroom 120 square feet	013-017	None	No Asbestos Detected					0	0	0

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-1097

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
965 North Street
Rochester, New York

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
3 Bedroom 100 square feet	018-021	SPK-021	White Spackle	One Wall and Ceiling	Good	Non-Friable	Misc	180		
4 Storage Room 35 square feet	022	SPK-021	White Spackle	Four Walls and Ceiling	Good	Non-Friable	Misc	185		
5 Bathroom 48 square feet	023-028	SPK-021	White Spackle	Four Walls and Ceiling	Good	Non-Friable	Misc	195		
		FT9-023, 025	Red 9"x9" Floor Tile	Floor	Fair	NOB	Misc	24		
		FT9-027, 028	Green 9"x9" Floor Tile	Floor	Fair	NOB	Misc	24		
		FTM-024, 026	Black Floor Tile No Asbestos Detected	Floor	Fair	NOB	Misc	48		
6 Bedroom 90 square feet	029, 030	SPK-021	White Spackle	Four Walls and Ceiling	Fair	Non-Friable	Misc	252		
7 Hallway/ Stairwell	031	None	No Asbestos Detected					0	0	0
Exterior										
Exterior	072-079	WIG-073,	White Window Glaze	19 Windows	Fair	Non-Friable	Misc		304	
								2949	329	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

***** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.***

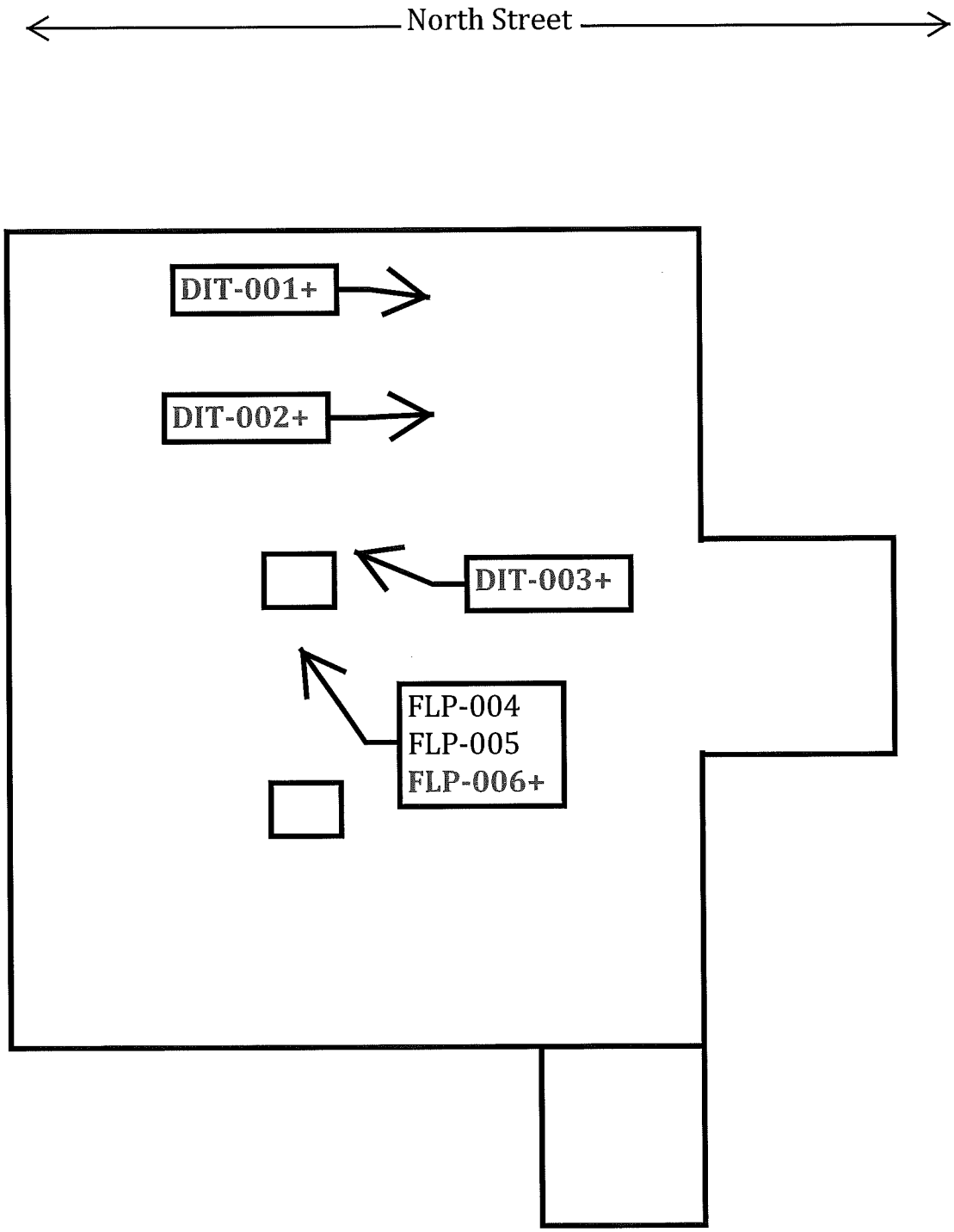
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

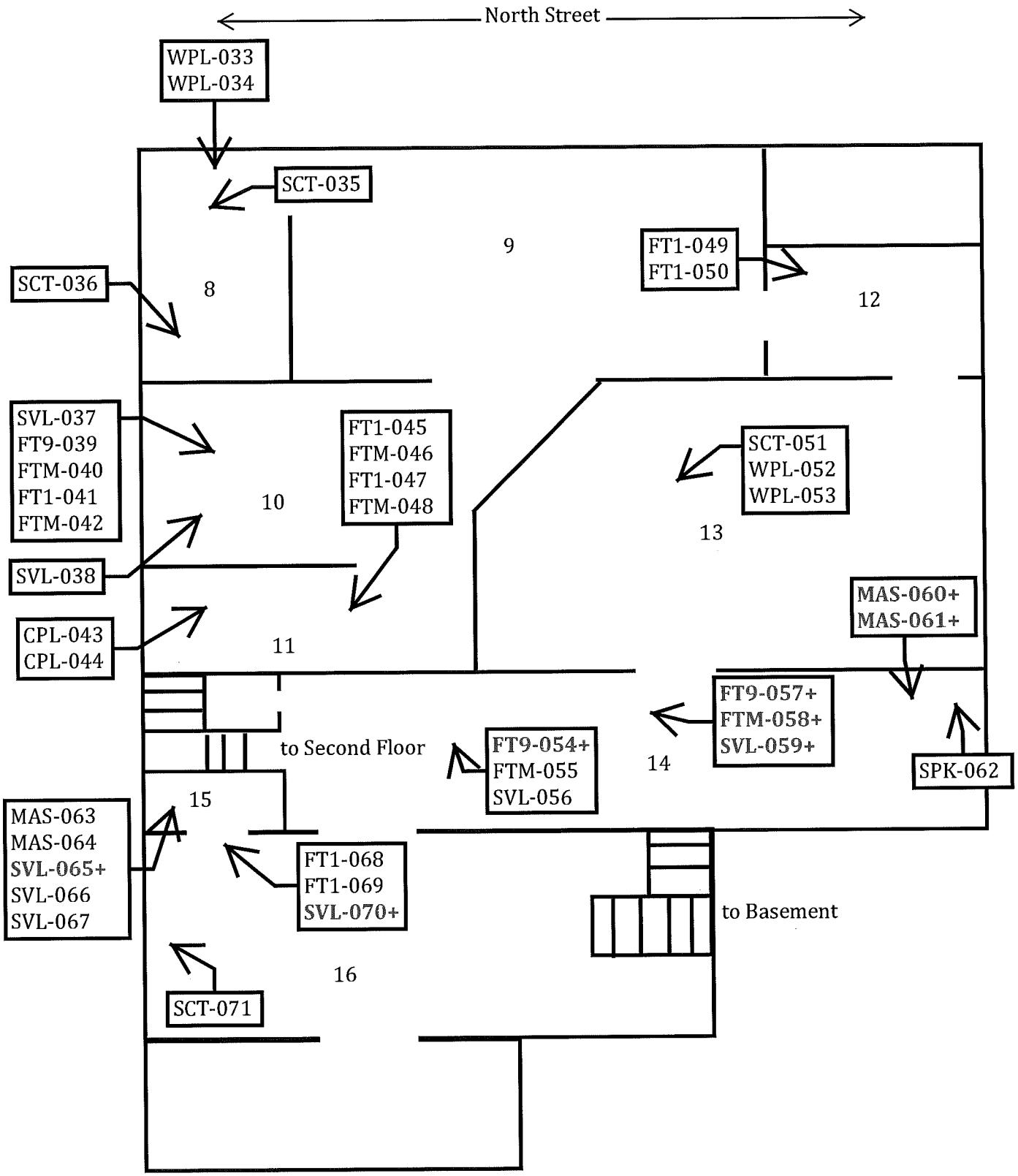
Paradigm certifies that this report regarding 965 North Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on November 29, 2012.

Joshua Scheuermann
Envoy Environmental Consultants, Inc.
Inspector # AH 10-00221

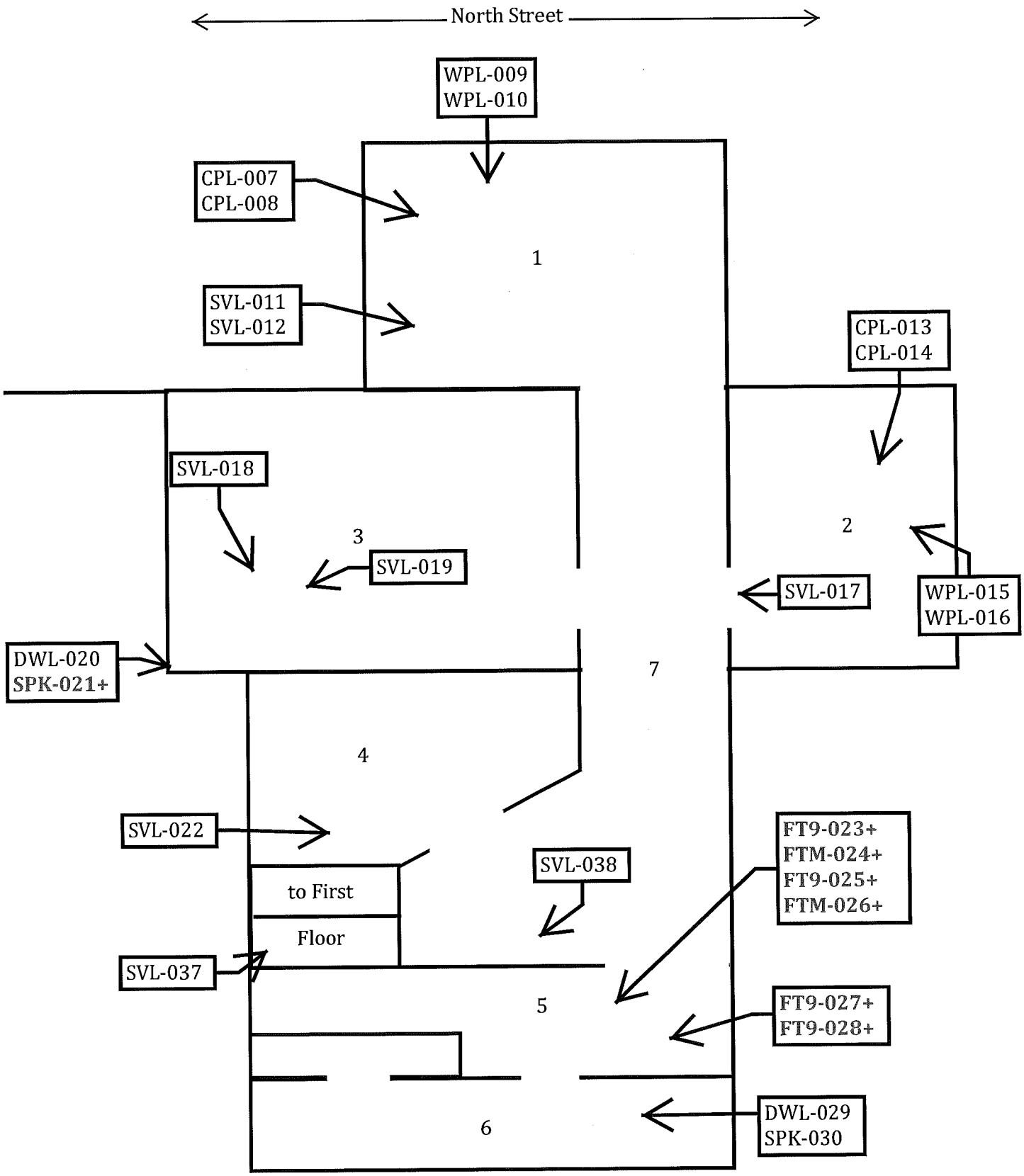
CLIENT: City of Rochester
LOCATION: 965 North Street
AREA: Basement
DATE: November 29, 2012
JOB NUMBER: 12-1097



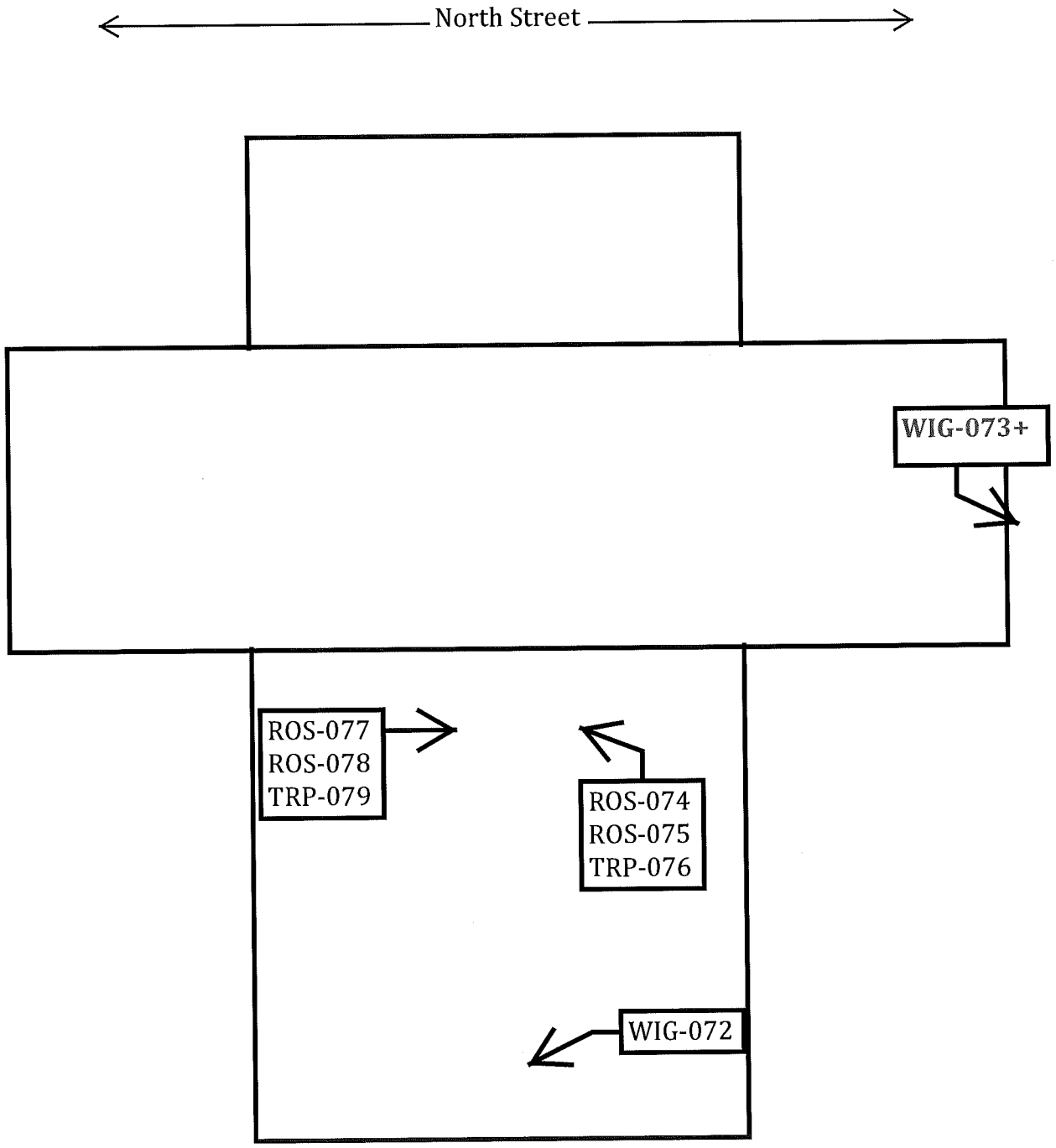
CLIENT: City of Rochester
LOCATION: 965 North Street
AREA: First Floor
DATE: November 29, 2012
JOB NUMBER: 12-1097



CLIENT: City of Rochester
LOCATION: 965 North Street
AREA: Second Floor
DATE: November 29, 2012
JOB NUMBER: 12-1097



CLIENT: City of Rochester
LOCATION: 965 North Street
AREA: Exterior
DATE: November 29, 2012
JOB NUMBER: 12-1097



PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13042-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DIT-001	86868	Basement at Duct	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	Cellulose 5%	15%
DIT-002	86869	Basement at Duct	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	Cellulose 5%	15%
DIT-003	86870	Basement at Duct	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	Cellulose 5%	15%
FLP-004	86871	Basement at Chimney	Gray Flue Patch	None Detected	0%		Not Required	N/A	None Detected	100%
FLP-005	86872	Basement at Chimney	Gray Flue Patch	None Detected	0%		Not Required	N/A	None Detected	100%
FLP-006	86873	Basement at Chimney	Gray Fibrous Flue Patch	Chrysotile 57%	57%		Not Required	N/A	None Detected	43%
CPL-007	86874	Room 1 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	86875	Room 1 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 5%	95%
WPL-009	86876	Room 1 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-010	86877	Room 1 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 5%	95%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: N/A
TEM Analyst: N/A

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Client Mailing Address: City Hall Room 02813	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]
	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: columboe@cityofrochester.gov
30 Church ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.	Project Address: Same	Project Number: 12-1097

OFFICE USE ONLY

Job #: 13042-12

Page 2 of 2

Date Logged In: 11/29/12

Logged In By: KS

1 of 9 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT 001	86868	Basement e duct		Gry		DIT	F
2	DIT 002	69	" "		Gry		DIT	F
3	DIT 003	70	" "		Gry		DIT	F
4	FLU 004	71	Basement e Chimney		Gry		FLU	N
5	FLU 005	72	" "		Gry		FLU	N
6	FLU 006	73	" "		Gry		FLU	N
7	CPL 007	74	Rm 1 Ceiling		WHT		CPL	N
8	CPL 008	75	" "		Gry		CPL	N
9	WPL 009	76	Rm 1 Walls		WHT		WPL	N
10	WPL 010	77	" "		Gry		WPL	N

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: KS	Date: 11/29/12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 79

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13043-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-011	86878	Room 1 Floor	Green Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-012	86879	Room 1 Floor	Green Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
CPL-013	86880	Room 2 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
CPL-014	86881	Room 2 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 3% Cellulose <1.0%	97%
WPL-015	86882	Room 2 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
WPL-016	86883	Room 2 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 3% Cellulose <1.0%	97%
SVL-017	86884	Room 2 Floor	Tan/Black Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose <1.0%	100%
SVL-018	86885	Room 3 Floor	Brown Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose <1.0%	100%
SVL-019	86886	Room 3 Floor	Brown Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 12/3/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

OFFICE USE ONLY

Job #: 13043-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
2 of 9 COC

Client: City of Rochester	Contact: Curt Columbo	
Client Mailing Address: City Hall Room 02813	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]
	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: Columbol@cityofrochester.gov
30 Church ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.	Project Address: Same	Project Number: 12-1097

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL 011	86878	Room 1 floor		GRN		SVL	N
2	SVL 012	79	" "		GRN		SVL	N
3	CPL 013	80	Rm 2 Ceiling		WHT		CPL	N
4	CPL 014	81	" "		GRY		CPL	N
5	WPL 015	82	Rm 2 Walls		WHT		WPL	N
6	WPL 016	83	" "		GRY		WPL	N
7	SVL 017	84	Rm 2 floor		TAN/BLK		SVL	N
8	SVL 018	85	Rm 3 floor		BRN		SVL	N
9	SVL 019	86	" "		BRN		SVL	N
10								

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: KS	Date: 11/29/12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 79

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13044-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DWL-020	86877	Room 3 Walls	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3% Fiberglass 2%	95%
SPK-021	86878	Room 3 Walls	White Spackle	Chrysotile 4.7%	4.7%		Not Required	N/A	None Detected	95.3%
SVL-022	86879	Room 4 Floor	Tan/Black Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Synthetic 2%	98%
FT9-023	86880	Room 5 Floor	Red Fibrous 9"x9" Floor Tile	Chrysotile 17%	17%	√	Not Required	N/A	None Detected	83%
FTM-024	86881	Room 5 Floor	Black Fibrous Floor Tile Mastic	Chrysotile 10%	10%	√	Not Required	N/A	None Detected	90%
FT9-025	86882	Room 5 Floor	Red Fibrous 9"x9" Floor Tile	Chrysotile 28%	28%	√	Not Required	N/A	None Detected	72%
FTM-026	86883	Room 5 Floor	Black Floor Tile Mastic	Chrysotile 5.7%	5.7%	√	Not Required	N/A	None Detected	94.3%
FT9-027	86884	Room 5 Floor	Green Fibrous 9"x9" Floor Tile	Chrysotile 27%	27%	√	Not Required	N/A	None Detected	73%
FT9-028	86885	Room 5 Floor	Green Fibrous 9"x9" Floor Tile	Chrysotile 23%	23%	√	Not Required	N/A	None Detected	77%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/3/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

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Job #: 13044-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
3 of 9 COC

Client: City of Rochester	Contact: Curt Columbo	
	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]	
Client Mailing Address: City Hall Room 0283	Phone Number: 428-6922	Fax Number or email address: Columbo@cityofrochester.gov
30 Church ST.	Results To: CALL Tech [X] Client [ ]	
Project Location: 965 North ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
	Project Address: Same	Project Number: 12-1097

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DWL 020	86877	Rm 3 walls		Gry		DWL	N
2	SPK 021	878	" "		WHT		SPK	N
3	SVL 022	79	Rm 4 floor		TAN/BLK		SVL	N
4	FT9 023	80	Rm 5 floor		Red	9x9	FT9	N
5	FTM 024	81	" "		BLK		FTM	N
6	FT9 025	82	" "		Red	9x9	FT9	N
7	FTM 026	83	" "		BLK		FTM	N
8	FT9 027	84	" "		GRN	9x9	FT9	N
9	FT9 028	85	" "		GRN	9x9	FT9	N
10								

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: KS	Date: 11/29/12	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 79

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13045-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DWL-029	86886	Room 6 Walls	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3% Fiberglass 2%	95%
SPK-030	86887	Room 6 Walls	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
SVL-031	86888	Room 7 Floor	Cream Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-032	86889	Room 7 Floor	Cream Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
WPL-033	86890a	Room 8 Walls	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-033	86890b	Room 8 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-034	86891	Room 8 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 5%	95%
SCT-035	86892	Room 8 Ceiling	Tan Fibrous 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 90% Fiberglass 2%	8%
SCT-036	86893	Room 8 Ceiling	Tan Fibrous 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 90% Fiberglass 2%	8%
SVL-037	86894	Room 10 Floor Layer 1	Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 10%	90%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/3/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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PARADIGM
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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13045-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-038	86895	Room 10 Floor Layer 1	Gray Fibrous Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 10%	90%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/3/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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Client: City of Rochester	Contact: Cut Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]	
	Fax Number or email address: Columbo@cityofRochester.gov	
Client Mailing Address: City Hall Room 02813	Results To: CALL Tech [X] Client [ ]	
30 Church ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.	Project Address: Same	Project Number: 12-1097

OFFICE USE ONLY

Job #: 13048-12

Page 3 of 3

Date Logged In: 11/29/12

Logged In By: KS

4 of 9 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DWL 029	86886	Rm6 walls		Gy		DWL	N
2	SPK 030	87	" "		WHT		WHT	N
3	SVL 031	88	Rm 7 floor		Cream		SVL	N
4	SVL 032	89	" "		Cream		SVL	N
5	WPL 033	90	Rm 8 walls		WHT		WPL	N
6	WPL 034	91	" "		Gy		WPL	N
7	SLT 035	92	Rm 8 Ceiling		TAN	2x4	SLT	N
8	SLT 036	93	" "		TAN	2x4	SLT	N
9	SVL 037	94	Rm 10 floor layer-1		Gy		SVL	N
10	SVL 038	95	" " "		Gy		SVL	N

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	[X]
Received By: KS	Date: 11/29/12	or provide TEM contact name:	
		TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 79

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PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13046-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-039	86896	Room 10 Floor Layer 2	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-040	86897	Room 10 Floor Layer 2	Yellow Floor Tile Mastic	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	Fiberglass 1%	99%
FT1-041	86898	Room 10 Floor Layer 2	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-042	86899	Room 10 Floor Layer 2	Yellow Floor Tile Mastic	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	Fiberglass 1%	99%
CPL-043	86900	Room 11 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-044	86901	Room 11 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
FT1-045	86902	Room 11 Floor	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-046	86903	Room 11 Floor	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-047	86904	Room 11 Floor	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-048	86905	Room 11 Floor	Brown Floor Tile Mastic	None Detected	0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/3/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester
Contact: Curt Columbo
Phone Number: 428-6922
SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]
Fax Number or email address: Columbo@cityofrochester.gov
Client Mailing Address: City Hall Room 028B 30 Church ST.
Results To: CALL Tech [X] Client [ ]
Date Sampled: 11/29/12
Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.
Project Address: Same
Project Number: 12-1097

OFFICE USE ONLY
Job #: 13046-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
5 of 9 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FTI 039	86896	Rm 10 floor layer 2		TAN	12x12	FTI	N
2	FTM 040	97	" "		yellow		FTM	N
3	FTI 041	98	" "		TAN	12x12	FTI	N
4	FTM 042	99	" "		yellow		FTM	N
5	CPL 043	900	Rm 11 Ceiling		WHT		CPL	N
6	CPL 044	01	" "		GRY		CPL	N
7	FTI 045	02	Rm 11 floor		GRY	12x12	FTI	N
8	FTM 046	03	" "		BRN		FTM	N
9	FTI 047	04	" "		GRY	12x12	FTI	N
10	FTM 048	05	" "		BRN		FTM	N

Sampled By: J. Scheuermann Date: 11/29/12
Transported to Paradigm By: [signature] Date: 11/29/12
Received By: KS Date: 11/29/12

CHECK ONE: SURVEY [X] BULKS ONLY [ ]
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS [X]
or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at 79

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13047-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-049	86806	Room 12 Floor	Brown Fibrous 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 10% Wollastonite 5%	85%
FT1-050	86807	Room 12 Floor	Brown 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 10% Wollastonite 5%	85%
SCT-051	86808	Room 13 Ceiling	Tan Fibrous 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 65%	35%
WPL-052	86809	Room 13 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%
WPL-053	86810	Room 13 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Animal Hair 3% Cellulose <1.0%	97%
FT9-054	86811	Room 14 Floor Layer 1	Gray Fibrous 9"x9" Floor Tile	Chrysotile 15%	15%	√	Not Required	N/A	None Detected	85%
FTM-055	86812	Room 14 Floor Layer 1	Black Floor Tile Mastic	Trace Chrysotile <1.0%	<1.0%	√	<1.0% Residue Remaining. TEM Not Required	N/A	None Detected	100%
SVL-056	86813	Room 14 Floor Layer 2	Brown/Black Sheet Vinyl and Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP®
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 12/3/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]	
Client Mailing Address: City Hall Room 02813	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: Columbo@cityofrochester.gov
30 Church ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.	Project Address: Same	Project Number: 12-1097

OFFICE USE ONLY

Job #: 13047-12
Page 1 of 9
Date Logged In: 11/29/12
Logged In By: KS
6 of 9 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FT1 049	86906	Rm 12 floor		BRN	12X12	FT1	N
2	FT1 050	907	" "		BRN	12X12	FT1	N
3	SCT 051	908	Rm 13 Ceiling		TAN	1X1	SCT	N
4	WPL 052	909	RM 13 walls		WHT		WPL	N
5	WPL 053	910	" "		GRY		WPL	N
6	FG9 054	911	Rm 14 floor Layer 1		GRY	9X9	FG9	N
7	FTM 055	912	" "		BLK		FTM	N
8	SVL 056	913	" floor Layer 2		BRN/BLK		SVL	N
9								
10								

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
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PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13048-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT9-057	86914	Room 14 Floor Layer 1	Gray Fibrous 9"x9" Floor Tile	Chrysotile 22%	22%	√	Not Required	N/A	None Detected	78%
FTM-058	86915	Room 14 Floor Layer 1	Black Floor Tile Mastic	Chrysotile 1.2%	1.2%	√	Not Required	N/A	None Detected	98.8%
SVL-059	86916	Room 14 Floor Layer 2	Black/Brown Sheet Vinyl and Backing	Chrysotile 1.4%	1.4%	#	Not Required	N/A	None Detected	98.6%
MAS-060	86917	Room 14, 1 Wall	Black Fibrous Mastic	Chrysotile 22%	22%	√	Not Required	N/A	None Detected	78%
MAS-061	86918	Room 14, 1 Wall	Black Fibrous Mastic	Chrysotile 23%	23%	√	Not Required	N/A	None Detected	77%
SPK-062	86919	Room 14, 1 Wall	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
MAS-063	86920	Room 15 Shower Walls	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-064	86921	Room 15 Shower Walls	Tan Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-065	86922	Room 15 Floor Layer 1	Red Sheet Vinyl and Backing	Chrysotile 8.8%	8.8%	#	Not Required	N/A	None Detected	91.2%
SVL-066	86923	Room 15 Floor Layer 2	Gold Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

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for PLM Analysis

ELAP ID No.: 10958

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PLM Date Analyzed: 11/30/2012
Microscope: Olympus BH-2 #233173
Analyst: *F. Weinman*

TEM Date Analyzed: 12/3/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

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585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Client Mailing Address: City Hall Room 02813	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]
	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: columboe@cityofrochester.gov
30 Church ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.	Project Address: Same	Project Number: 12-1097

OFFICE USE ONLY

Job #: 13048-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
7 of 9 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FTG 057	86914	Rm 14 Floor Layer 1		Grey	9x9	FTG	N
2	FTM 058	915	" "		BLK		FTM	N
3	SVL 059	916	" floor layer 2		BRN/BLK		SVL	N
4	MAS 060	917	" 1 wall		BLK		MAS	N
5	MAS 061	918	" "		BLK		MAS	N
6	SPL 062	919	" 1 wall		WHT		SPK	N
7	MAS 063	920	Rm 15 Shower walls		TAN		MAS	N
8	MAS 064	921	" "		TAN		MAS	N
9	SVL 065	922	Rm 15 floor layer 1		Red		SVL	N
10	SVL 066	923	" " layer 2		Gold		SVL	N

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	[X]
Received By:	Date:	or provide TEM contact name:	
		TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 79

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13049-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
SVL-067	86924	Room 15 Floor, Layer 2	Gold Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-068	86925	Room 16 Floor	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-069	86926	Room 16 Floor	Yellow 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-070	86927	Room 16 Floor	Red Fibrous Sheet Vinyl and Backing	Chrysotile 16%	16%	#	Not Required	N/A	None Detected	84%
SCT-071	86928	Room 16 Ceiling	Tan Fibrous 1'x1' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Cellulose 95%	5%
WIG-072	86929	Windows	White Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
WIG-073	86930	Windows	White Window Glaze	Chrysotile 5.0%	5.0%	#	Not Required	N/A	Talc 2%	93%
ROS-074	86931	Roof, Layer 1	Brown Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5%	95%
ROS-075	86932	Roof, Layer 2	Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 5%	95%
TRP-076	86933	Roof, Layer 3	Black Fibrous Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Cellulose 40%	60%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/4/2012
Microscope: Olympus BH-2 #232953
Analyst: *J. Peter Donato*

TEM Date Analyzed: 12/10/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]	
Client Mailing Address: City Hall Room 02813	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: Columbo@cityofrochester.gov
30 Church ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.	Project Address: Same	Project Number: 12-1097

OFFICE USE ONLY

Job #: 13049-12

Page 2 of 2

Date Logged In: 11/29/12

Logged In By: KS

8 of 9 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	SVL 067	86924	Rm 15 floor layer 2		Gold		SVL	N
2	FTI 068	25	Rm 16 floor		yellow	12x12	FTI	N
3	FTI 069	26	" "		yellow	12x12	FTI	N
4	SVL 070	27	Rm 16 floor		Red		SVL	N
5	SCT 071	28	" ceiling		TAN	1x1	~~Acc~~ SCT	N
6	WIG 072	29	Windows		WHT		WIG	N
7	WIG 073	X 30 X	"		WHT		WIG	N
8	ROS 074	31	Roof layer 1		BRN		ROS	N
9	ROS 075	32	" layer 2		BLK		ROS	N
10	TRP 076	33	" layer 3		BLK		TRP	N

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	[X]
Received By: KS	Date: 11/29/12	or provide TEM contact name:	
		TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 79

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 965 North Street

Job No: 13050-12

Sample Date: 11/29/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
ROS-077	86934	Roof, Layer 1	Brown Fibrous Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 15%	85%
ROS-078	86935	Roof, Layer 2	Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-079	86936	Roof, Layer 3	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 12/4/2012
Microscope: Olympus BH-2 #234206
Analyst: *B. Weinman*

TEM Date Analyzed: 12/10/2012
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Curt Columbo	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [X] No [ ]	
Client Mailing Address: City Hall Room 02B13	Results To: CALL Tech [X] Client [ ]	Fax Number or email address: Columbo@cityofrochester.gov
30 Church ST.	Date Sampled: 11/29/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 965 North ST.	Project Address: Same	Project Number: 12-1097

OFFICE USE ONLY

Job #: 13050-12
Page 2 of 2
Date Logged In: 11/29/12
Logged In By: KS
9 of 9 COC

General Location:

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	ROS 077	860934	Roof layer 1		BRN		ROS	N
2	ROS 078	935	" layer 2		BLK		ROS	N
3	TRP 079	936	" layer 3		BLK		TRP	N
4								
5								
6								
7								
8								
9								
10								

Sampled By: J. Scheuermann	Date: 11/29/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: [signature]	Date: 11/29/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	[X]
Received By: KS	Date: 11/29/12	or provide TEM contact name:	
		TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 79

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

Certifications

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative - Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 46232

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2012-07-01 through 2013-06-30

Effective dates

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates

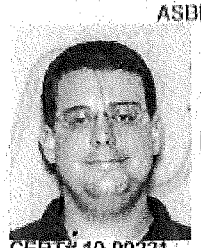
DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



JOSHUA R SCHEUERMANN
CLASS(EXPIRES)
C ATEC(10/13) D INSP(10/13)
H PM (10/13)

CERT# 10-00221
DMV# 358570242

MUST BE CARRIED ON ASBESTOS PROJECTS

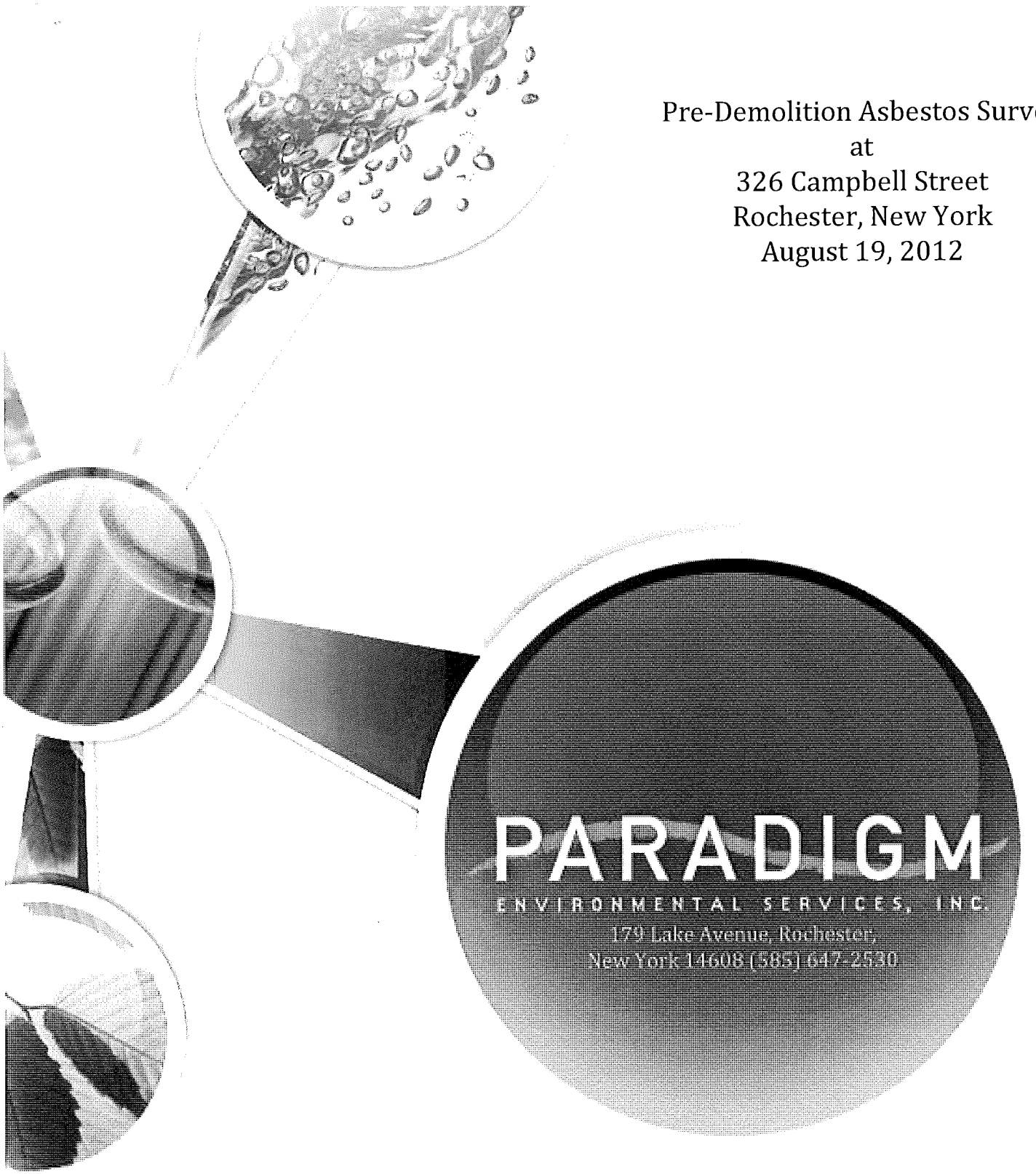
STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

ANTHONY J HILL
CLASS(EXPIRES)
C ATEC(09/13) D INSP(09/13)
H PM (09/13)

CERT# 06-02018
DMV# 688601121

MUST BE CARRIED ON ASBESTOS PROJECTS



Pre-Demolition Asbestos Survey
at
326 Campbell Street
Rochester, New York
August 19, 2012

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street, Room 028B
Rochester, New York 14614
Job Number: 12-0561

326 CAMPBELL STREET
ROCHESTER, NEW YORK

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ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY

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CHAINS OF CUSTODY

CERTIFICATIONS

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-0561

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **City of Rochester** on **August 19, 2012** to conduct an inspection for the detection of asbestos containing materials located at **326 Campbell Street, Rochester, New York.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Chris Enright (AH#06-08603) and Joshua Scheuermann (AH#10-00221) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **326 Campbell Street, Rochester, New York.** Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey at **326 Campbell Street, Rochester, New York** on **August 19, 2012.** A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

The following is a brief description of the space by space survey.

Col. 1	*Col. 2*	*Col. 3*	*Col. 4*	*Col. 5*	*Col. 6*	*Col. 7*	*Col. 8*	*Col 9*	*Col 10*	*Col. 11*
Room #	*Sample #'s taken in Room*	*Positive Sample ID #*	*Positive Material Description*	*Location of Material*	*Condition*	*Friable Non-Friable NOB*	*Type of Material*	*SQ FT*	*Lin FT*	*Units*

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
   a. ***Good:*** means material is intact with no visible damage.
   b. ***Fair:*** means material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** means material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
326 Campbell Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
		Ceiling and Wall Materials		
ROS-004	Red/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-005	Black Tar Paper	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
WPL-006	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-007	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-008	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-009	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
DWL-011	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-012	White Spackle	None Detected	Not Required	Non-Friable
WPL-013	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-014	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-015	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-016	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
ACT-019	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
MAS-026	Brown Mastic	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
MAS-027	Brown Mastic	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
ACT-028	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Friable
SPK-033	White Spackle	None Detected	Not Required	Non-Friable
WPL-036	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-037	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-038	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-039	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
		Flooring Materials		
SVL-017	Tan/Gray Sheet Vinyl and Backing	Chrysotile 50%	Not Required	Friable
SVL-018	Tan/Gray Sheet Vinyl and Backing	Chrysotile 57%	Not Required	Friable
FT1-020	Brown/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-021	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-022	Pink/Gray/Green Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-023	Brown/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-024	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-025	Pink/Gray/Green Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-029	Green/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-030	White/Black Sheet Vinyl	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
FT1-031	Green/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
SVL-032	White/Black Sheet Vinyl	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
SVL-034	Tan/Multi-Colored Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 12-0561

MATERIALS TESTED
326 Campbell Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
SVL-035	Tan/Multi-Colored Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
Thermal Systems Insulation				
DIT-001	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
DIT-002	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
DIT-010	Gray Duct Insulation Tape	Chrysotile 50%	Not Required	Friable
Window Caulk and Glaze				
WIG-040	White Window Glaze	Inconclusive No Asbestos Detected	Trace Anthophyllite	NOB
WIG-041	White Window Glaze	Inconclusive No Asbestos Detected	Trace Anthophyllite	NOB
Miscellaneous Materials				
TRN-003	Gray Transite	Chrysotile 7.7% Crocidolite 2.6%	Not Required	Non-Friable
Roofing Materials				
ROS-042	Red/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-043	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
RTR-044	Black Roofing Cement/Tar	Chrysotile 17%	Not Required	NOB
RTR-045	Black Roofing Cement/Tar	Chrysotile 25%	Not Required	NOB
ROS-046	Gray/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-047	Blue/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-048	Green/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-049	Black Roofing	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
ROS-050	Gray/Black Roofing Shingle	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
ROS-051	Blue/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-052	Green/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROF-053	Black Roofing	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
ROS-054	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-055	Multi-Colored/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-056	Black Tar Paper	Inconclusive No Asbestos Detected	Trace Chrysotile	NOB
ROS-057	Green/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-058	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-059	Multi-Colored/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-060	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-061	Green/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-0561

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
326 Campbell Street
Rochester, New York

Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	001-003	DIT-001, 002 TRN-003	Gray Duct Insulation Tape Gray Transite	On Ductwork Pipe Into Chimney	Fair Good	Friable Non-Friable	TSI Misc	2	45	
First Floor										
1 Front Entrance 30 square feet	004, 005	None	No Asbestos Detected					0	0	0
2 Bedroom 110 square feet	006-009	None	No Asbestos Detected					0	0	0
3 56 square feet	None	None	No Asbestos Detected					0	0	0
4 Closet 21 square feet	010	DIT-010	Gray Duct Insulation	On Duct Along Wall	Fair	Friable	TSI		18	
5 Bedroom 144 square feet	011-016	None	No Asbestos Detected					0	0	0
6 195 square feet	017-019	SVL-017, 018	Tan/Gray Sheet Vinyl and Backing	Floor - 2nd Layer	Good	NOB	Misc	195		
7 Kitchen 143 square feet	020-028	None	No Asbestos Detected					0	0	0
8 Bathroom 80 square feet	029-033	None	No Asbestos Detected					0	0	0
9 Closet 27 square feet	None	None	No Asbestos Detected					0	0	0
10 90 square feet	034, 035	None	No Asbestos Detected					0	0	0
Second Floor										
11 Bedroom 100 square feet	036-039	None	No Asbestos Detected					0	0	0
12 Attic	None	None	No Asbestos Detected					0	0	0
13	None	None	No Asbestos Detected					0	0	0
Exterior										
Exterior	040-061	RTR-044, 045	Black Roofing Cement/Tar	Along House and Around Chimney & Vents	Good	NOB	Misc	35		
								232	63	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.
U - Inspector unable to determine quantity

*** Reflects quantifiable locations only; additional material present, but not quantifiable per table.**

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-0561

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
326 Campbell Street
Rochester, New York

*** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.*

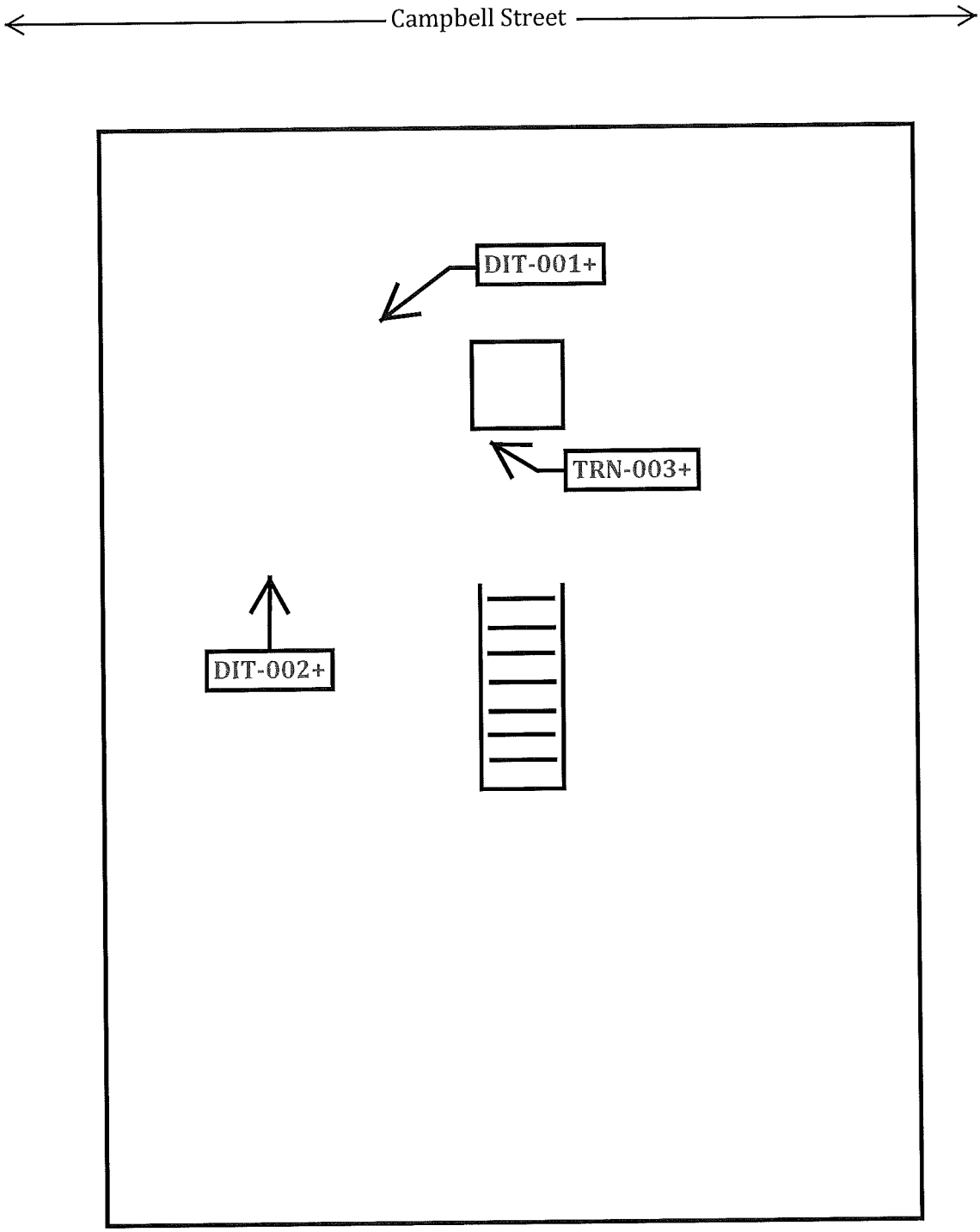
All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

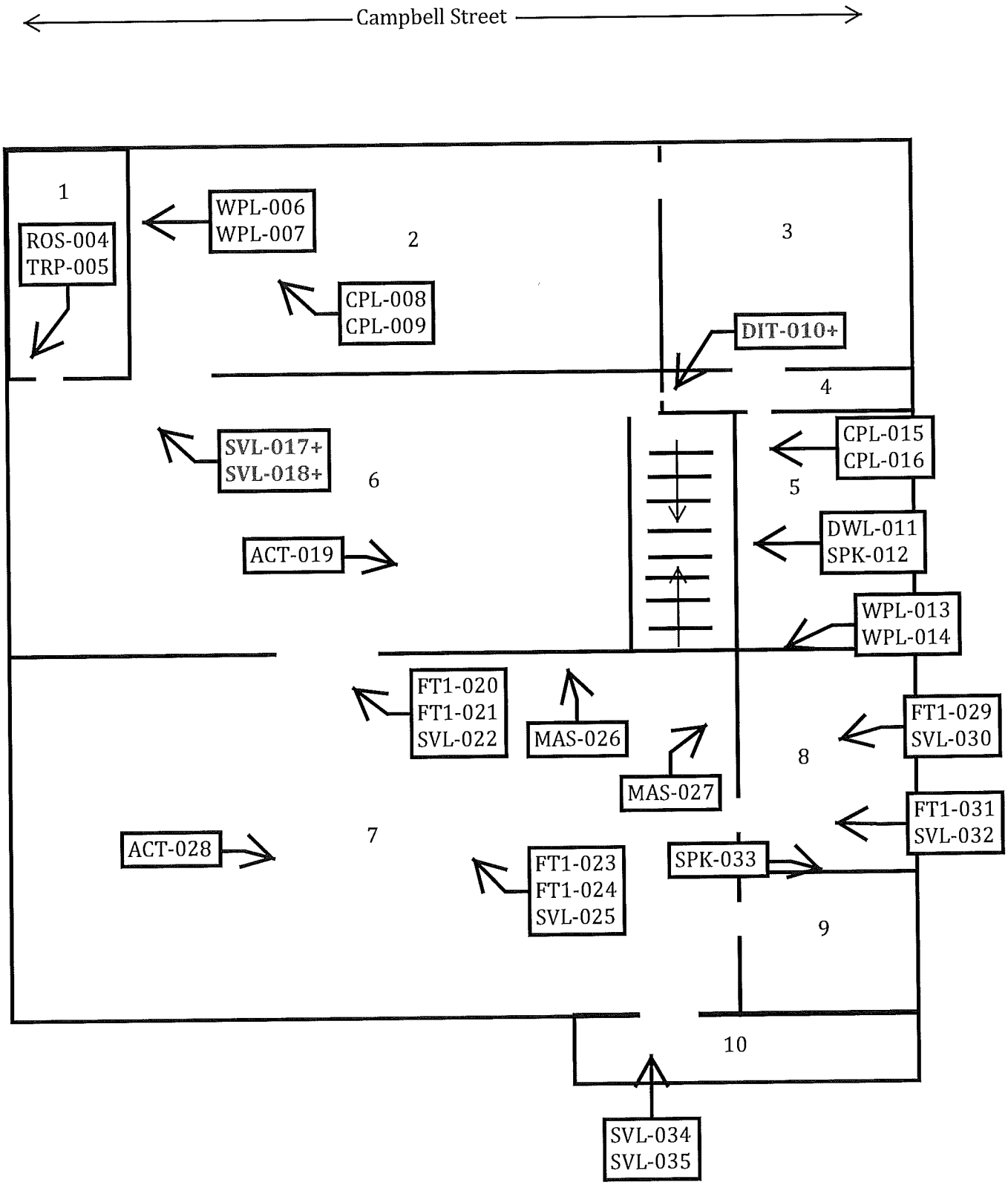
Paradigm certifies that this report regarding 326 Campbell Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on August 19, 2012.

Chris Enright
Envoy Environmental Consultants, Inc.
Inspector # AH 06-08603

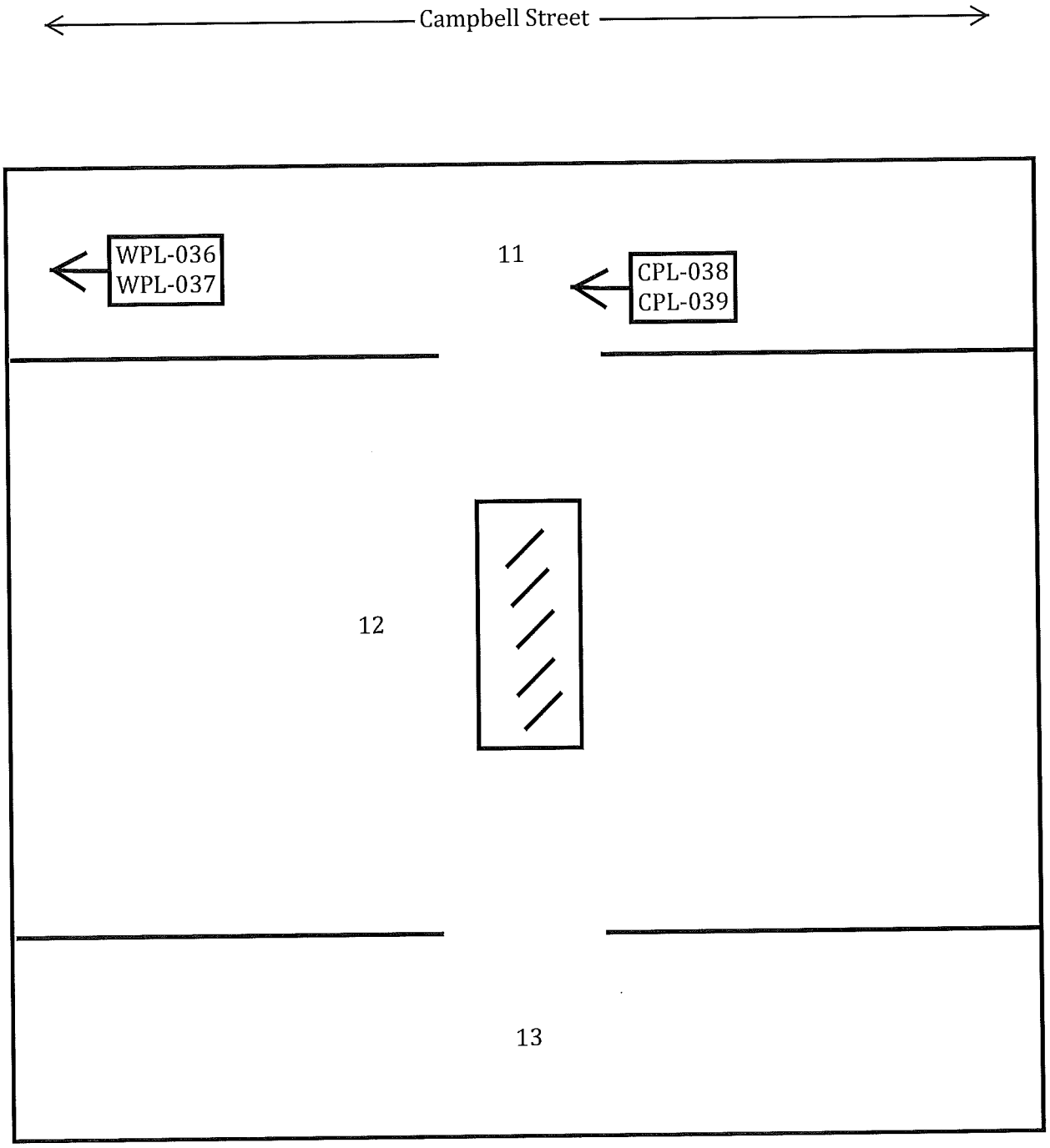
CLIENT: City of Rochester
LOCATION: 326 Campbell Street
AREA: Basement
DATE: August 19, 2012
JOB NUMBER: 12-0561



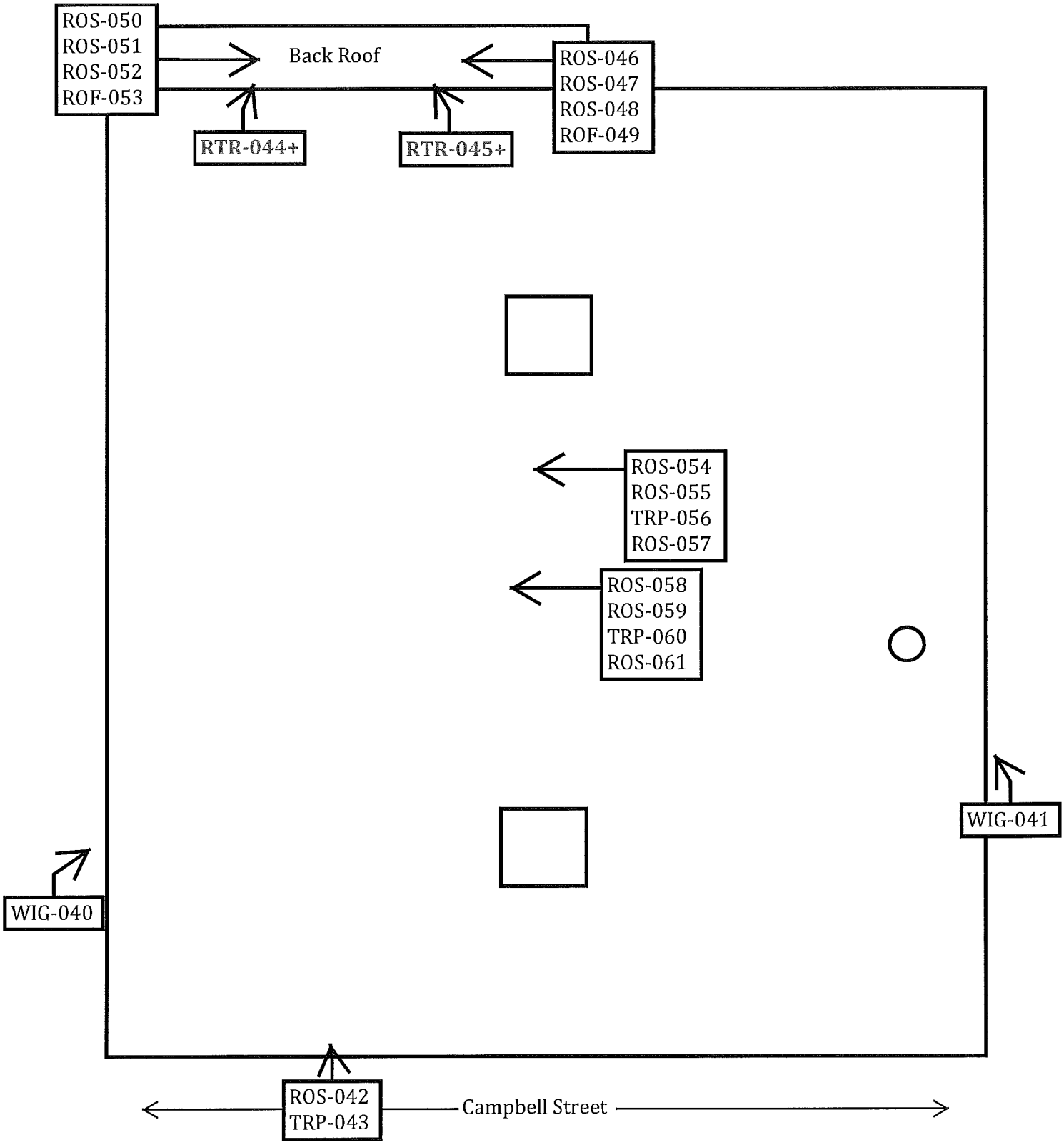
CLIENT: City of Rochester
LOCATION: 326 Campbell Street
AREA: First Floor
DATE: August 19, 2012
JOB NUMBER: 12-0561



CLIENT: City of Rochester
LOCATION: 326 Campbell Street
AREA: Second Floor Attic
DATE: August 19, 2012
JOB NUMBER: 12-0561



CLIENT: City of Rochester
LOCATION: 326 Campbell Street
AREA: Exterior
DATE: August 19, 2012
JOB NUMBER: 12-0561



PARADIGM
ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 326 Campbell Street
Basement and 1st Floor

Job No: 2637-12B

Sample Date: 8/19/2012
Sample Received Date: 8/21/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DIT-001	21345	On Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DIT-002	21346	On Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
TRN-003	21347	Pipe Going into Chimney	Gray Fibrous Transite	Chrysotile 7.7% Crocidolite 2.6%	10.3%		Not Required	N/A	None Detected	89.7%
ROS-004	21348	Room 1, 2 Walls Behind Siding	Red/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-005	21349	Room 1, 2 Walls Behind Siding	Black Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
WPL-006	21350	Room 2, Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
WPL-007	21351	Room 2, Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	21352	Room 2, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-009	21353	Room 2, Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
DIT-010	21354	Room 4, on Ductwork	Gray Fibrous Duct Insulation Tape	Chrysotile 50%	50%		Not Required	N/A	Cellulose 30%	20%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 8/27-28/2012
PLM Analyst: A. Maciejewski
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 8/28/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 326 Campbell Street
1st Floor

Job No: 2637-12B

Sample Date: 8/19/2012
Sample Received Date: 8/21/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
DWL-011	21355	Room 5, 2 Walls	Gray Fibrous Drywall	None Detected	0%		Not Required	N/A	Cellulose 20%	80%
SPK-012	21356	Room 5, 2 Walls	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-013	21357	Room 5, 2 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-014	21358	Room 5, 2 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-015	21359	Room 5, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-016	21360	Room 5, Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 2%	98%
SVL-017	21361	Room 6, Floor, 2nd Layer	Tan/Gray Fibrous Sheet Vinyl Backing	Chrysotile 50%	50%		Not Required	N/A	Cellulose 20%	30%
SVL-018	21362	Room 6, Floor, 2nd Layer	Tan/Gray Fibrous Sheet Vinyl Backing	Chrysotile 57%	57%		Not Required	N/A	Cellulose 20%	23%
ACT-019	21363	Room 6, Ceiling	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
FT1-020	21364	Room 7, Floor, 1st Layer	Brown/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

# denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Date Analyzed: 8/27-28/2012
PLM Analyst: A. Maciejewski
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 8/28/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 326 Campbell Street
1st Floor

Job No: 2637-12B

Sample Date: 8/19/2012
Sample Received Date: 8/21/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-021	21365	Room 7, Floor, 2nd Layer	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-022	21366	Room 7, Floor, 3rd Layer	Pink/Gray/Green Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-023	21367	Room 7, Floor, 1st Layer	Brown/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-024	21368	Room 7, Floor, 2nd Layer	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-025	21369	Room 7, Floor, 3rd Layer	Pink/Gray/Green Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MAS-026	21370	Room 7, 4ft Up Walls Behind Paneling	Brown Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
MAS-027	21371	Room 7, 4ft Up Walls Behind Paneling	Brown Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
ACT-028	21372	Room 7, Ceiling	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
FT1-029	21373	Room 8, Floor, 1st Layer	Green/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-030	21374	Room 8, Floor, 2nd Layer	White/Black Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 8/27-28/2012
PLM Analyst: A. Maciejewski
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 8/28/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 326 Campbell Street
1st Floor and 2nd Floor

Job No: 2637-12B

Sample Date: 8/19/2012
Sample Received Date: 8/21/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
FT1-031	21375	Room 8, Floor, 1st Layer	Green/Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
SVL-032	21376	Room 8, Floor, 2nd Layer	White/Black Sheet Vinyl	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
SPK-033	21377	Room 8, 2 Walls	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
SVL-034	21378	Room 10, Floor, 3rd Layer	Tan/Multi-Colored Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
SVL-035	21379	Room 10, Floor, 3rd Layer	Tan/Multi-Colored Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WPL-036	21380	Room 11, Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-037	21381	Room 11, Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-038	21382	Room 11, Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-039	21383	Room 11, Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 1%	99%
WIG-040	21384	Windows	White Window Glaze	Inconclusive No Asbestos Detected	0%	√	Anthophyllite <1.0%	<1.0%	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

 # denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed:	8/28/2012	**TEM Date Analyzed:**	8/28/2012
PLM Analyst:	A. Dembski / A. Maciejewsl	**TEM Analyst:**	M. McDonough
Microscope:	*Olympus BH-2 #225026*	**Microscope:**	*Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 326 Campbell Street
Exterior

Job No: 2637-12B

Sample Date: 8/19/2012
Sample Received Date: 8/21/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
WIG-041	21385	Windows	White Window Glaze	Inconclusive No Asbestos Detected	0%	√	Anthophyllite <1.0%	<1.0%	None Detected	100%
ROS-042	21386	Sides of House Behind Vinyl	Red/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
TRP-043	21387	Sides of House Behind Vinyl	Black Tar Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
RTR-044	21388	Along House	Black Fibrous Roofing Cement/Tar	Chrysotile 17%	17%	√	Not Required	N/A	None Detected	83%
RTR-045	21389	Along House	Black Fibrous Roofing Cement/Tar	Chrysotile 25%	25%	√	Not Required	N/A	None Detected	75%
ROS-046	21390	Back Roof, 1st Layer	Gray/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-047	21391	Back Roof, 2nd Layer	Blue/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROS-048	21392	Back Roof, 3rd Layer	Green/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
ROF-049	21393	Back Roof, 4th Layer	Black Roofing	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
ROS-050	21394	Back Roof, 1st Layer	Gray/Black Roofing Shingle	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

# denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Date Analyzed: 8/28/2012
PLM Analyst: A. Dembski / A. Maciejewsl
Microscope: *Olympus BH-2 #225026*

TEM Date Analyzed: 8/28/2012
TEM Analyst: M. McDonough
Microscope: *Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. New York State Department of Health Environmental Laboratory Approval Program (ELAP) requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This Bulk report relates ONLY to the items tested as received by the lab. This report must not be used to claim product endorsement by NYS ELAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory or analysts' accuracy and precision) is available upon request.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
1815 Love Road, Grand Island, NY 14072 Office: (716) 775-5777 Fax: (716) 775-5778

PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 326 Campbell Street
Exterior and House Roof

Job No: 2637-12B

Sample Date: 8/19/2012
Sample Received Date: 8/21/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
ROS-061	21405	4th Layer	Green/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%

ELAP ID No.: 11955

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

# denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Date Analyzed:	8/28/2012	**TEM Date Analyzed:**	8/28/2012
PLM Analyst:	A. Dembski / A. Maciejewsl	**TEM Analyst:**	M. McDonough
Microscope:	*Olympus BH-2 #225026*	**Microscope:**	*Hitachi 600 AB*

Laboratory Results Approved By: _____
Asbestos Technical Director Eric Fischer

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ENVOY

environmental consultants, inc.

57 Ambrose St. Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

Client: City of Rochester	Contact: Chuck Fox	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]	
Client Mailing Address: 30 Church St, Rm 028B	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0564

OFFICE USE ONLY

Job #: 2637-12B

Page 1 of 9

Date Logged In: 8/21/12

Logged In By: AD

General Location: Basement

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT - 001	21345	on ductwork		GRY		DIT	F
2	DIT - 002	-46	"		"		"	"
3	TRN - 003	-47	pipe going into Chimney		GRY		TRN	NF
4								
5								
6								
7								
8								
9								
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Amy Dembski	Date: 8/21/12 0845	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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Client: City of Rochester	Contact: Chuck Fox	
Client Mailing Address: 30 Church St, Rm 028B	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0561

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Job #: 2637-12B

Page 2 of 9

Date Logged In: 8/21/12

Logged In By: ACD

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	ROS-004	21348	Rm 1, 2 walls behind siding	Fiberboard	RED/BLK		ROS	NF
2	TRP-005	-49	"		BLK		TRP	"
3	WPL-006	-50	Rm 2, walls		WHT		WPL	"
4	WPL-007	-51	"		GRY		"	"
5	CPL-008	-52	Rm 2, Ceiling	Paint	WHT		CPL	"
6	CPL-009	-53	"		GRY		"	"
7	DIT-010	-54	Rm 4, on ductwork	Paint	GRY		DIT	F
8	DWL-011	-55	Rm 5, 2 walls		GRY		DWL	NF
9	SPK-012	-56	"		WHT		SPK	"
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Amy Dembski	Date: 8/21/12 0845	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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Client: City of Rochester	Contact: Chuck Fox	
Client Mailing Address: 30 Church St, Rm 0288	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0561

OFFICE USE ONLY

Job #: 2637-12B

Page 3 of 9

Date Logged In: 8/21/12

Logged In By: AD

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WPL - 013	21357	Rm 5, 2 walls	Paint	WHT		WPL	NF
2	WPL - 014	-58	"		GRY		"	"
3	CPL - 015	-59	Rm 5, Ceiling	Paint	WHT		CPL	"
4	CPL - 016	-60	"		GRY		"	"
5	SVL - 017	-61	Rm 6, Floor, 2nd layer		TAN/GRY		SVL	"
6	SVL - 018	-62	"		"		"	"
7	ACT - 019	-63	Rm 6, Ceiling	Paint	TAN	1x1	ACT	F
8								
9								
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Ann Dembski	Date: 8/21/12 0845	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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57 Ambrose St. Rochester, NY 14608
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Client: City of Rochester	Contact: Chuck Fox	
Client Mailing Address: 30 Church St, Rm 028B, Rochester NY 14614	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0561

OFFICE USE ONLY

Job #: 2637-12B

Page 4 of 9

Date Logged In: 8/21/12

Logged In By: ACD

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FT1-020	21364	Rm 7, Floor, 1st layer		BRN/BLK	12x12	FT1	NF
2	FT1-021	-65	" , 2nd "		WHT	"	"	"
3	SVL-022	-66	" , 3rd "		Pink/GRY		SVL	"
4	FT1-023	-67	" , 1st "		BRN/BLK	12x12	FT1	"
5	FT1-024	-68	" , 2nd "		WHT	"	"	"
6	SVL-025	-69	" , 3rd "		Pink/GRY		SVL	"
7	MAS-026	-70	Rm 7, 4ft up walls behind paneling		BRN		MAS	"
8	MAS-027	-71	"		"		"	"
9	ACT-028	-72	Rm 7, Ceiling		TAN	1x1	ACT	F
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Amy Cembski	Date: 8/21/12 0845	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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Client: City of Rochester	Contact: Chuck Fox	
Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]	
Client Mailing Address: 30 Church St, Rm 028B	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0561

OFFICE USE ONLY

Job #: 2637-12B

Page 5 of 9

Date Logged In: 8/21/12

Logged In By: ACD

General Location: 1st Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FT1-029	21373	Rm 8, Floor, 1st layer		GRN/BLK	12x12	FT1	NF
2	SVL-030	-74	" , 2nd "		WHT/BLK		SVL	"
3	FT1-031	-75	" , 1st "		GRN/BLK	12x12	FT1	"
4	SVL-032	-76	" , 2nd "		WHT/BLK		SVL	"
5	SPK-033	-77	Rm 8, 2 walls		WHT		SPK	"
6	SVL-034	-78	Rm 10, Floor, 3rd layer		TAN		SVL	"
7	SVL-035	-79	"		"		"	"
8								
9								
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Amy Dembek	Date: 8/21/12 0845	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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Client: City of Rochester	Contact: Chuck Fox	OFFICE USE ONLY
	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]	Job #: 2637-12B
Client Mailing Address: 30 Church St, Rm 028B	Phone Number: 428-6922	Page 6 of 9
	Fax Number or email address:	
Rochester NY 14614	Results To: CALL Tech [ ] Client [ ] C. Enright	Date Logged In: 8/21/12
Project Location: 326 Campbell St	Date Sampled: 8/19/12	Logged In By: ACD
	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]	
	Project Address: 326 Campbell St	Project Number: 12/0564

General Location: 2nd Floor

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WPL - 036	21380	Rm 11, walls	Paint	WHT		WPL	NF
2	WPL - 037	-81	"		GRY		"	"
3	CPL - 038	-82	Rm 11, Ceiling	Paint	WHT		CPL	"
4	CPL - 039	-83	"		GRY		"	"
5								
6								
7								
8								
9								
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Ann Dembski	Date: 8/21/12 0945	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

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environmental consultants, inc.

57 Ambrose St. Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Chuck Fox	
Client Mailing Address: 30 Church St, Rm 0288	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0561

OFFICE USE ONLY

Job #: 2637-12B

Page 7 of 9

Date Logged In: 8/21/12

Logged In By: ACD

General Location: Exterior

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WIG-040	21384	windows	Paint	WHT		WIG	NF
2	WIG-041	-85	"	"	"		"	"
3	ROS-042	-86	Sides of house behind vinyl	Fiberboard	RED/BLK		ROS	"
4	TRP-043	-87	"		BLK		TRP	"
5	RTR-044	-88	along house		BLK		RTR	"
6	RTR-045	-89	"		"		"	"
7								
8								
9								
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Amy Dimbak	Date: 8/21/12 0845	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St. Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

Client: City of Rochester	Contact: Chuck Fox	
Client Mailing Address: 30 Church St, Rm 028B	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0561

OFFICE USE ONLY

Job #: 2637-12B

Page 8 of 9

Date Logged In: 8/21/12

Logged In By: ACP

General Location: Exterior

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	ROS - 046	21390	Back roof, 1st layer		GRY/BLK		ROS	NF
2	ROS - 047	-91	" , 2nd "		Blue/BLK		"	"
3	ROS - 048	-92	" , 3rd "		GRN/BLK		"	"
4	ROF - 049	-93	" , 4th "		BLK		ROF	"
5	ROS - 050	-94	" , 1st "		GRY/BLK		ROS	"
6	ROS - 051	-95	" , 2nd "		Blue/BLK		"	"
7	ROS - 052	-96	" , 3rd "		GRN/BLK		"	"
8	ROF - 053	-97	" , 4th "		BLK		ROF	"
9								
10								

Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Anna Cambell	Date: 8/21/12 09:45	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

ENVOY
environmental consultants, inc.

57 Ambrose St. Rochester, NY 14608
585.454.1060 Fax 585.454.1062

Client: City of Rochester	Contact: Chuck Fox	
	Phone Number: 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES [ ] No [ ]
Client Mailing Address: 30 Church St, Rm 028B	Results To: CALL Tech [ ] Client [ ] C. Enright	Fax Number or email address:
Rochester NY 14614	Date Sampled: 8/19/12	Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] Immed [ ]
Project Location: 326 Campbell St	Project Address: 326 Campbell St	Project Number: 12/0564

OFFICE USE ONLY

Job #: 2637-129

Page 9 of 9

Date Logged In: 8/21/12

Logged In By: ACD

General Location: Exterior - House roof

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	ROS- 054	21398	1st layer		Blk/Blk		ROS	NF
2	ROS- 055	-99	2nd "		Multi/Blk		"	"
3	TRP- 056	-400	3rd "		Blk		TRP	"
4	ROS- 057	-01	4th "		GRN/Blk		ROS	"
5	ROS- 058	-02	1st "		Blk/Blk		"	"
6	ROS- 059	-03	2nd "		Multi/Blk		"	"
7	TRP- 060	-04	3rd "		Blk		TRP	"
8	ROS- 061	-05	4th "		GRN/Blk		ROS	"
9								
10								

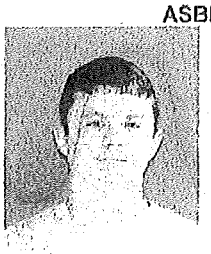
Sampled By: CE/JS	Date: 8/19/12	CHECK ONE: SURVEY [X]	BULKS ONLY [ ]
Transported to Paradigm By: CE	Date: 8/19/12	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	[X]
Received By: Amy Dembski	Date: 8/21/12 0845	TOTAL NUMBER OF SAMPLES IN SURVEY:	Estimated at 61

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. ***(Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)***

Certifications

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



CHRISTOPHER R ENRIGHT
CLASS(EXPIRES)
C ATEC(01/13) D INSP(01/13)
H PM (01/13)

DEPARTMENT OF LABOR

CERT# 06-08603
DMV# 684160912

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JOSHUA R SCHEUERMANN
CLASS(EXPIRES)
C ATEC(10/12) D INSP(10/12)
H PM (10/12)

DEPARTMENT OF LABOR

CERT# 10-00221
DMV# 358570242

MUST BE CARRIED ON ASBESTOS PROJECTS

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Duly Authorized Representative - Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2013
Issued April 1, 2012

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ERIC FISCHER
PARADIGM ENVIRONMENTAL SERVICES
1815 LOVE ROAD
GRAND ISLAND, NY 14072

NY Lab Id No: 11955

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 46897

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