

**UPDATE
PRE-RENOVATION ASBESTOS SURVEY AND
LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT**

Pulaski Library

**1151 Hudson Avenue
Rochester, New York 14621**



Prepared For:

City of Rochester
30 Church Street
Rochester, New York 14614

Prepared By:



175 Sully's Trail, Suite 202
Pittsford, New York 14534

Update June 2012

UPDATE PRE-RENOVATION ASBESTOS SURVEY AND LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

PULASKI LIBRARY

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ATTACHMENT B	<i>Room-by-Room Inspection Forms</i>
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ATTACHMENT D	<i>Asbestos Inspection Summary Table and Asbestos / Mold Location Plans</i>

1.0 INTRODUCTION

Lu Engineers was retained by The City of Rochester, to provide an update to the Pre-Renovation Asbestos Survey and Limited Hazardous Materials Assessment Report for the Pulaski Library, located at 1151 Hudson Avenue, Rochester, New York 14621. The required licenses and certifications to conduct this work are included in Attachment A.

2.0 PROJECT OVERVIEW

The Pre-Renovation Asbestos Survey and Limited Hazardous Materials Assessment Update was conducted in order to identify suspect asbestos containing materials (ACM), possible lead based paint, possible PCB-containing caulks, glazing, expansion joints and possible PCB-containing light ballasts associated with existing building materials and a Limited Mold Inspection within the Pulaski Library. The visual inspections were conducted on January 26, 2010 and February 9, 2010 and June 5, 2012.

2.1 Records Review

The Pre-Renovation Asbestos Survey and Limited Hazardous Materials Assessment Report prepared by Lu Engineer's, dated March 2010 was reviewed.

There were no other records to review for this project.

3.0 SITE INSPECTION

3.1 Asbestos

One of the purposes of the visual inspection was to identify homogeneous areas of suspect asbestos containing materials that exist throughout the building. The Asbestos Hazard Emergency Response Act (AHERA) regulations define a homogeneous area as, "... an area of surfacing material, thermal insulation material, or miscellaneous material that is uniform in color and texture." Furthermore, homogeneous areas should consist of the same age and application.

The inspectors identified homogeneous areas that were present within the interior and on the exterior of the building. The suspect asbestos materials were given a homogeneous identification number based on color and texture of the material. A list of homogeneous area numbers (HA) of the materials encountered is included with the Asbestos Result Table in Section 4.1. Each room was given a space identification number (ID). The space ID number correlates with the ID number found on each Interior Room-by-Room Inspection Form located in Attachment B.

Occupational Safety and Health Administration (OSHA) and 40 CFR 763 Subpart E - Asbestos Hazard Emergency Response Act (AHERA) bulk sampling protocols were followed.

- Three (3) samples of a homogenous surfacing material in quantities of 1,000 Square Feet or less were collected.

- Five (5) samples of a homogenous surfacing material in quantities greater than 1,000 Square Feet but less than 5,000 Square Feet were collected.
- Seven (7) samples of a homogenous surfacing material in quantities greater than 5,000 Square Feet were collected.
- Three (3) samples of Thermal System Insulation (TSI) material were collected.
- Two (2) samples of each miscellaneous material were collected.

All Samples were analyzed via stop positive protocols.

Friable samples were analyzed using NYS ELAP Method 198.1 (Polarized Light Microscopy (PLM)). Non-friable organically bound (NOB) samples were analyzed using NYS ELAP Method 198.6 (PLM) and, if found to be negative, NYS ELAP Method 198.4 (Transmission Electron Microscopy (TEM)). Paradigm Environmental Laboratories was the NYSDOH-approved laboratory used for analysis in the June 2012 Update. A copy of Paradigm's credentials can be found in Attachment A.

Initially, ninety-four (94) samples were collected from forty (40) distinct homogenous areas and sent in for laboratory analysis. Sixteen (16) additional samples were collected from eight (8) distinct homogenous areas and sent in for laboratory analysis as part of the June 2012 Update. The sample numbers on the Bulk Sample Location Plan corresponds with the sample numbers on the Bulk Sample Logs and the Field ID numbers on the Laboratory Analytical Reports and the Chain of Custody forms, which are all located in Attachment C.

3.2 Lead Based Paint

An EPA-certified Lead Risk Assessor from Lu Engineers conducted the limited lead sampling. Several surfaces in poor condition and likely to be part of the proposed renovations, were sampled for lead content. A total of seven (7) lead samples were collected. The sample locations are indicated on the Asbestos, PCB and Lead Sample Location Plans included in Attachment C. The sample number indicated on the plans corresponds to the sample number on the laboratory analytical report, paint chip sampling log and the chain of custody forms, which are also included in Attachment C.

The samples were submitted to Paradigm Environmental Services, Inc., an ELAP, NVLAP- and AIHA-certified laboratory. A copy of Lu Engineers' licenses and risk assessor certifications, as well as Paradigm's laboratory credentials are included in Attachment A.

3.3 PCB Caulks, PCB Ballasts, and Fluorescent Light Bulbs

Suspect PCB caulks and glazings were sampled. In total, five (5) samples were collected; three (3) from the exterior and two (2) from the interior. The sample locations are indicated on the Asbestos, PCB and Lead Sample Location Plans included in Attachment C. The sample number indicated on the plans corresponds to the sample number on the laboratory analytical report and the chain of custody which are included in Attachment C.

The samples were submitted to Paradigm Environmental Services, Inc., an ELAP, NVLAP and AIHA-certified laboratory. Bulk PCB samples were analyzed using EPA Method 8082. Paradigm's laboratory credentials are included in Attachment A.

3.4 Mold

Lu Engineers conducted a visual inspection of the Former Pulaski Library for the presences of mold. There were minor amounts of surface mold observed with in the basement of the old library.

Lu Engineers did the following during the Limited Mold Inspection.

- Visually assessed the Library in order to identify, evaluate and quantify any potential mold contamination.
- Inspected areas with in the library where mold is susceptible to grow such as basement, crawl spaces and attic.
- Prepared location drawings where mold was visually noticed
- Photographed site conditions
- Prepared findings and recommendations in a final report

The areas of concern with in the Pulaski Library are located with in the basement. More detailed locations of the mold contamination can be found on the Mold Location Plans located in Attachment D.

4.0 ANALYTICAL RESULTS

4.1 Asbestos Results

As defined by the NYSDOL 12 NYCRR 56, a sample is considered to be asbestos containing if it contains greater than 1% asbestos based on laboratory analysis.

A list of Homogeneous Areas identified for each building area surveyed is included below. The **bold** and *italicized* Homogeneous Areas description indicates that the material is positive, based on the sample results.

Homogeneous Area No. (HA)	Description	Asbestos Content and Type of Analysis
1	White Plaster Top Coat	NAD – PLM
2	Grey/Brown Plaster Rough Coat	NAD – PLM
3	Brown Fiberboard	NAD – PLM
4	Pink Insulation	NAD – PLM
5	Brown Ceramic Wall Tile	NAD – PLM
6	Grey Grout	NAD – PLM

Homogeneous Area No. (HA)	Description	Asbestos Content and Type of Analysis
7	Grey Mudset Adhesive	NAD – PLM
8	Black Panel Glue	11% Chrysotile-PLM
9	Tan Panel Glue	NAD – TEM
10	Grey Speckled 12"x12" Floor Tile	24% Chrysotile-PLM
11	Black Floor Tile Mastic	NAD – TEM
11a	Black Fibrous Paper under Floor Tiles	NAD – TEM
12	Orange Ceramic Floor Tile	NAD – PLM
13	Grey Grout	NAD – PLM
14	Dark Grey Mudset	NAD – PLM
15	Brown 4"Cove Base	NAD – TEM
16	Tan Cove Base Mastic	NAD – TEM
17	Brownish Red 12"x12" Floor Tile	21% Chrysotile-PLM
18	Tan Carpet Mastic	NAD – TEM
19	Black Cove Base Mastic	NAD – TEM
20	White Decorative Plaster	NAD - PLM
21	Grey Corrugated Radiator Insulation	80% Chrysotile-PLM
22	Grey Pipe Insulation	36% Chrysotile-PLM
23	Grey Pipe Elbows	40% Chrysotile-PLM
24	Grey Window Glaze	NAD – TEM
25	Grey 9"x 9" Floor Tile	17% Chrysotile-PLM
26	Black Floor Tile Mastic	NAD – TEM
27	Tan Exterior Mortar between Sandstone Blocks	NAD – PLM
28	Off White Stucco	NAD – PLM
29	Orange Parge Coat	NAD – PLM
30	Grey Sticky Door Caulk	NAD – TEM
31	Grey Brittle Caulk on Foundation	NAD – TEM
32	Grey Hard Door Caulk	NAD – TEM
33	Black Bottom Layer Shingle	NAD – TEM
34	Black Tar Paper	NAD - PLM*
35	Black Top Layer Roofing	NAD – TEM
36	Black Tar on Roof and Flashing	NAD - PLM*
37	Grey Interior Window Caulk	NAD – TEM
38	Grey Drywall	NAD – PLM
39	White Joint Compound	NAD – PLM
40	White Joint Compound Tape	NAD – PLM
41	Black Roof Tar on Clay Tile	17% Chrysotile-PLM

Homogeneous Area No. (HA)	Description	Asbestos Content and Type of Analysis
42	<i>Black/Silver Roof Cement</i>	<i>16% Chrysotile-PLM</i>
43	Black Shiny Roof Tar	NAD – PLM
44	Black Tar Paper	NAD – PLM*
45	<i>Brown Duct Tape</i>	<i>67% Chrysotile-PLM</i>
46	Grey Flue Cement	NAD – PLM
47	Black Flooring	NAD – PLM
48	Brown Linoleum Flooring	NAD – PLM

NAD – No Asbestos Detected

TRACE – Less than 1% Asbestos Content

PLM- Polarized Light Microscopy EPA/600/R-93/116 and/or NYS ELAP Method 198.1

TEM- Transmission Electron Microscopy NYS ELAP Method 198.4 and/or 198.6

* -Sample is Less than 1% by weight after Gravimetric Reduction, TEM not required.

4.2 Lead Based Paint Results

According to the United States Environmental Protection Agency (EPA), paint or other surface coating is considered lead based if the concentration of lead is equal to, or greater than 0.5% by weight. Therefore, one of the seven (7) samples collected is considered lead based paint per EPA standards.

The following table summarizes the lead paint chip sampling results:

Sample #	Building Component	Substrate	Results (% by weight)
LBP-2001-1A	Window Sill	Wood	0.022
LBP-2003-2A	Walls / Ceiling	Plaster	0.178
LBP-1001-3A	Walls	Wood	0.021
<i>LBP-1001-4A</i>	<i>Ceiling</i>	<i>Plaster</i>	<i>0.633</i>
LBP-B001-5A	Wall	Plaster	0.007
LBP-B001-6A	Floor	Concrete	0.038
LBP-1001-7A	Doors/Windows	Metal	0.045

A **bold** and *italicized* row indicates that the surface coating has a lead concentration that is equal to or greater than 0.5% by weight based on analytical results.

According to the Occupational Safety and Health Administration (OSHA), lead means metallic lead, all inorganic lead compounds and organic soaps with any concentrations of lead. Therefore, all seven (7) samples collected are considered lead containing per OSHA standards.

4.3 PCB Results

EPA defines PCB bulk product waste, “as waste derived from manufactured products containing

PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal was > 50 ppm PCBs”.

The following table summarizes the PCB sampling results:

Sample #	Building Component	Results
PCB-24	Window Glaze	ND < 14.7 mg/kg or ppm
PCB-30	Grey Sticky Door Caulk	ND < 13.6 mg/kg or ppm
PCB-31	Grey Brittle Caulk	52.1 mg/kg or ppm
PCB-32	Grey Hard Door Caulk	ND < 13.0 mg/kg or ppm
PCB-37	Grey Interior Window Caulk	ND < 14.4 mg/kg or ppm

Sample number relates to Asbestos HA#

A **bold and italicized** row indicates that the building material has a PCB concentration that is equal to or greater than 50 ppm based on analytical results.

5.0 ASBESTOS MATERIALS AND LOCATIONS

Based on the analytical results, the following table identifies the Homogeneous Areas that contain asbestos along with the material description and approximate quantity. Asbestos Inspection Summary Tables and Asbestos Location Plans can be found in Attachment D.

Homogeneous Area No. (HA)	Description	Quantity
8	Black Panel Glue	75 SF
10	Grey Speckled 12”x12” Floor Tile	78 SF
17	Brownish Red 12”x12” Floor Tile	5790 SF
21	Corrugated Radiator Insulation	475 SF
22/23	Pipe Insulation	840 LF
25	Grey 9”x 9” Floor Tile	860 SF
41	Black Roof Tar (Clay Tile)	91 SF
42	Black/Silver Roof Cement	35 SF
45	Brown Duct Tape	20 LF

6.0 LIMITATIONS OF THE INVESTIGATION

6.1 Asbestos

Inaccessible areas were not inspected (i.e., behind chase walls and above plaster ceilings).

Additional suspect materials may be present below the terracotta roof tile.

The small roof located at the southwest corner of the building was covered by an EPDM membrane on the actual inspection date.

The condition of the suspect materials is based on the actual inspection date.

Quantities indicated on the room-by-room inspection forms are based on the visual inspection. Additional quantities may exist, i.e. above ceilings and behind walls.

6.2 Lead Based Paint

The lead assessment was limited to representative areas throughout the building. Not all building components were sampled for the presence of lead. The limited number of samples taken is by no means considered a complete lead inspection or assessment.

6.3 PCB's

Inaccessible areas were not inspected (i.e., behind chase walls and above plaster ceilings).

6.4 Mold

Inaccessible areas were not inspected (i.e., behind chase walls and above plaster ceilings).

The condition and quantity of visually identified mold is based on the actual inspection date.

Sampling and testing for type of mold was not done as part of this report.

7.0 **RECOMMENDATIONS**

7.1 Asbestos Materials

Asbestos Containing Materials have been identified as part of this assessment as shown on the Asbestos Location Plans in Attachment D. Abatement of the asbestos materials if impacted by the renovation activity is required prior to any work that would disturb them as outlined in 12 NYCRR 56.

It is recommended that Asbestos Removal Plans and Specifications be included in contract documents to detail the asbestos scope of work.

7.2 Lead Based Paint

Due to the extremely poor condition of the paint located on the building components throughout the Pulaski Library, it is recommended that the paint on these building components be repaired utilizing lead safe work practices. For current and future renovation projects, it is recommended that all contractors follow OSHA Standard 29 CFR 1926.62 relating to lead in the construction industry.

A Worker's Protection Specification and a Lead Control Plan Specification are recommended to be included in the contract documents.

7.3 PCB's

Caulks containing 50 parts per million (ppm) by weight (on a dry weight basis for other than liquid wastes) or greater of PCBs may be listed hazardous wastes in accordance with New York State Department of Conservation regulations (6 NYCRR Part 371). PCB wastes are also regulated by EPA in the 40 CFR Part 761 regulations.

Inspect additional light fixtures for PCBs if they are to be impacted by the overall project.

Finalize the number of fluorescent bulbs that will be required to be removed and disposed of as Universal Waste for Recycle under 6 NYCRR Subpart-374-3.

A PCB abatement specification including removal of fluorescent light bulbs is recommended to be included in the contract documents.

7.4 MOLD

Recommendations for clean-up of mold contamination areas are based on quantity and severity. The areas noticed with mold have a small amount of mold and the entire building is unoccupied space. Based on the severity and quantity of mold and that the building is unoccupied the mold contamination is considered low.

The mold is located on small piece of drywall located just west of the center stairs and on the ceiling joist with in space ID B002. The cleanup of mold can be conducted as part of the renovation work. Mold removal should be conducted by properly trained personnel.

At a minimum a N95 respirator eye protection, gloves, disposable overalls and boots should be worn while cleaning up the moldy surface. Any HVAC systems should be turned off or isolated from the contaminated area and plastic sheeting should be put on diffusers and return air openings.

The affected areas should be HEPA vacuumed and cleaned using a detergent/disinfectant solution. The contaminated wall board and ceiling should be removed a minimum of 30 cm beyond demarcation line of visible growth. A drop cloth shall be placed under the removal area and dust control methods should be used. All waste shall be disposed in a 6mil poly bag, wet wipe/HEPA vacuum the bag and doubled bag it for final removal. Consider HEPA vacuuming around the areas of removal.

ATTACHMENT A

Licenses, Certifications and Laboratory Credentials

UPDATE
PRE-RENOVATION ASBESTOS SURVEY AND
LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

PULASKI LIBRARY

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

Joseph C. Lu Engineering And Land Surveying, P.C.
Suite 202
175 Sully's Trail
Pittsford, NY 14534

FILE NUMBER: 99-0907
LICENSE NUMBER: 29286
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 01/19/2012
EXPIRATION DATE: 01/31/2013

Duly Authorized Representative - Susan Hilton

This license has been issued in accordance with applicable provisions of Article 40 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. The 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

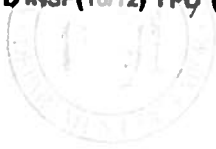
Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



SUSANA HILTON
CLASS(EXPIRES)
D INSP(10/12) I PQ (10/12)



CERT# 08-20756
DMV# 238407483

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES BLU
HAIR BLN
HGT 5' 06"

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



MITCHELL SMITH
CLASS (EXPIRES)
C/ATEC(03/13) B/RESP(03/13)
H/PM (03/13) I/PO (03/13)



CERT# 97-15393
DMV# 992171375

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES GRN
HAIR BRO
HGT 5' 08"

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



CERT# 00-07444
DMV# 457924110

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES BLU
HAIR BRO
HGT 6' 03"

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



EYES BRO
HAIR BRO
HGT 6' 00"

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

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



MICHAEL D. DESTEAU
CLASS (EXPIRES)
O/DEC (04/10) D/ASP (04/10)
N/PM (04/10)



CERT# 08-16526
DMV# 500543856
MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



MICHAEL E. WALLER
CLASS EXPIRES
CATEC(08/10) & RSP(08/10)
HPM (08/10)



CERT# 91-03693
DMV# 596726636

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES BLU
HAIR BLN
HGT 5' 08"

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

United States Environmental Protection Agency

This is to certify that

Joseph C. Lu Engineering & Land Surveying, PC.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226.

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires

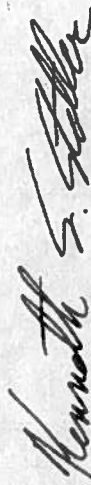
August 1, 2012

NY-2184-2

Certification #

APR 17 2009

Issued On



Kenneth S. Stoller, P.E., QEP, DEE, Chief
Pesticides & Toxic Substances Branch



United States Environmental Protection Agency

This is to certify that

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Michael S. Waller
Risk Assessor
In the Jurisdiction of:
New York

has fulfilled the requirements of the Toxic Substances Control Act, Section 402(a)(1), and has received certification to conduct lead-based paint activities under EPA Part 745.2 as a:

This certification is valid from the date of issuance and expires August 22, 2011

NY-R-16582-1

Certification #

AUG 11 2008

Issued On

Kenneth S. Stoffer

Kenneth S. Stoffer, P.E., QEP, DEE, Chief
Pesticides & Toxic Substances Branch



**New York
RISK ASSESSOR**



**Certified Lead-Based
Paint Professional**

Certification No NY-R-16582-1

Date of Birth

09/15/1972

Expiration Date

08/22/2011

Address

**80 Glasgow St.
Rochester, NY 14608**

Badge Holder's Name

Michael Shane Waller

Badge Holder's Signature

A handwritten signature of Michael Shane Waller in black ink.

**If found, drop in any mailbox
Postmaster: Please return to:
US EPA
1200 Pennsylvania Ave, NW
(MC-74040T)
Washington, DC 20460
or call 1-800-424-LEAD**



**NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.**



**Expires 12:01 AM April 01, 2010
Issued April 01, 2009**

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

**MR. RICHARD K. ROTE
LABELLA ASSOCIATES
300 STATE STREET
ROCHESTER, NY 14614**

**NY Lab Id No: 11184
EPA Lab Code:**

**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 800/M4/82/020
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)**

Serial No.: 39232

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 465-5570 to verify laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.



Expires 12:01 AM April 01, 2010
Issued April 01, 2009

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 in conformance with the
National Environmental Laboratory Accreditation Conference Standards for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Metals I

Iron, Total	EPA 6010B
Lead, Total	EPA 6010B
Magnesium, Total	EPA 6010B
Manganese, Total	EPA 6010B
Nickel, Total	EPA 6010B
Potassium, Total	EPA 6010B
Silver, Total	EPA 6010B
Sodium, Total	EPA 6010B

Metals II

Aluminum, Total	EPA 6010B
Antimony, Total	EPA 6010B
Arsenic, Total	EPA 6010B
Beryllium, Total	EPA 6010B
Mercury, Total	EPA 7471A
Selenium, Total	EPA 6010B
Vanadium, Total	EPA 6010B
Zinc, Total	EPA 6010B

Metals III

Cobalt, Total	EPA 6010B
Thallium, Total	EPA 6010B

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
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
Hydrogen Ion (pH)	EPA 9045C

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270C
2,6-Dinitrotoluene	EPA 8270C
Isophorone	EPA 8270C
Nitrobenzene	EPA 8270C
Pyridine	EPA 8270C

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270C
N-Nitrosodl-n-propylamine	EPA 8270C
N-Nitrosodiphenylamine	EPA 8270C

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015 B
Gasoline Range Organics	EPA 8015 B

Phthalate Esters

Benzyl butyl phthalate	EPA 8270C
Bis(2-ethylhexyl) phthalate	EPA 8270C
Diethyl phthalate	EPA 8270C
Dimethyl phthalate	EPA 8270C
Di-n-butyl phthalate	EPA 8270C
Di-n-octyl phthalate	EPA 8270C

Polychlorinated Biphenyls

PCB-1016	EPA 8082
PCB-1221	EPA 8082
PCB-1232	EPA 8082
PCB-1242	EPA 8082
PCB-1248	EPA 8082
PCB-1254	EPA 8082

Serial No.: 39167

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify 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

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) 486-5570 to verify the laboratory's accreditation status.

ATTACHMENT B

Room-by-Room Inspection Forms

UPDATE
PRE-RENOVATION ASBESTOS SURVEY AND
LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

PULASKI LIBRARY

P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

Building Name:

4215-55

Space ID No.: 6003

Date of Inspection

12/10

Type of Structural Floor

concl

Type of Structural Walls

Book

Ceiling Height:

५५५

in

Influence of Vibration:

HIGH MODERATE LOW/NONE

Potential for Air Erosion:

HIGH MODERATE LOW/NONE

Room Dimension

50 x 65

[illegible]

D/D - Degree of Damage
M - Minor
S - Significant

5
4
3
2
1

P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

11

זו.

HIGH MODERATE LOW/NONE

Room Dimension

$$\begin{array}{r} 10 \\ \hline 10 \end{array} \times \begin{array}{r} 13 \\ \hline 16 \end{array}$$

D/D - Degree of Damage
M - Minor
S - Significant

2 room 80th room Empty w/ (PI)
* 30 LF of (PI) total 15 LF in each Rm.

P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

Building Name:

4215-55

Pulaski Library

Building Name:

Type of Structural Floor

500

Type of Structural Walls

Block

Ceiling Height:

$$\frac{y}{x}$$

in _____

Influence of Vibration:

HIGH MODERATE LOW/NONE

Potential for Air Erosion:

HIGH MODERATE LOW/NONE

Room Dimension

 $\text{new conn}_{52}(t) = \text{I table}, (\text{IV}) = \text{Non table}$ [illegible]

D/D - Degree of Damage
M - Minor
S - Significant

P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

Building Name:
Building Address:

4215-55

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Pulaski Library

Building Name:
Building Address:

4215-55

Space ID No.: B007

Space ID No.: 6007 Date of Inspection
Type of Space: Basement

01/21/10

Type of Structural Floor

2000

Type of Structural Walls

Ceiling Height:
Type of Structural Deck

Q in

Influence of Vibration:

HIGH MODERATE LOW/NONE

Potential for Air Erosion:

HIGH MODERATE LOW/NONE

Room Dimension

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

[illegible]

D/D - Degree of Damage

M - Minor

S - Significant

P/D - Potential for Damage

M - Minor (Not Accessible)

N - Not Significant (O M Only)

S - Significant (Accessible)

6/5/2012
1/21/10

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Pulaski Library
Building Address: 4215-55

Space ID No.: 1001
Type of Space: M912 Room

Type of Structural Floor: CONC. Type of Structural Walls: Plaster/Block Ceiling Height: 20 ft in
Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: L x L 5500sf

Type of Material		Homogeneous Area ID No.	Location AC, BC	Color	F	NF	Suspect Material				ACMAHERA Removal			
							Total	Damaged	D/D	P/D	Notes:	Y/N	Rank	Priority
Surfacing Material														
Ceiling		1,2,20		White/Grey	X							N		
Ceiling		1,2,20		White/Grey	X							N		
North Wall														
South Wall														
East Wall														
West Wall														
Thermal System Insulation														
Pipe Insulation														
Pipe Fittings														
Pipe Insulation														
Pipe Fittings														
Duct Wrap														
Duct Tape														
Radon Test	21			Grey	X		475 sf	No			Assumed to be on All Ceilings	Y		
Miscellaneous Material														
Ceiling		3,4		Black/Pink	X							N		
North Wall														
South Wall														
East Wall														
West Wall														
Floor	17,18,19,20			Reddish/Brown	X		5500 sf	Yes			Floor Tile is Positive	YN		
Cove Molding	15,16,19				X							N		
Window Caulk	37				X							N		
Window Glazing														

* Brownish Red 12x12 with Black mastic and Black felt paper underneath
Tan carpet mastic on top.
Risks are rolled up randomly in 1st floor.

D/D - Degree of Damage
M - Minor
S - Significant
P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

6/5/2012
1/21/10
1002
back Room / Storage closets
9 ft 0 in
17 x 17

INTERIOR ROOM-BY-ROOM INSPECTION FORM
4215-55

Building Name: Pulaski Library
Building Address: _____
Type of Structural Floor: Concrete
Type of Structural Walls: Block
Type of Structural Deck: _____
Ceiling Height: _____

Space ID No.: 1002
Date of Inspection: 6/5/2012
Type of Space: back Room / Storage closets
Type of Structural Deck: _____
Ceiling Height: 9 ft 0 in
Room Dimension: 17 x 17

Type of Material		Homogeneous Area ID No.	Location AC, BC	Color	F	NF	Total	Damaged	D/D	P/D	Notes	Suspect Material	ACMAHERA Removal Y/N	Rank	Priority
Surfacing Material															
Ceiling		1, 2		White / Gray									X		
Ceiling		2, 3											X		
North Wall		1, 2, 3, 4											X		
South Wall															
East Wall															
West Wall															
Thermal System Insulation															
Pipe Insulation															
Pipe Fittings															
Pipe Insulation															
Pipe Fittings															
Duct Wrap															
Duct Tape															
Miscellaneous Material															
Ceiling		3, 4		Green / Pink									X		
North Wall															
South Wall															
East Wall															
West Wall															
Floor		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		Green / Tan / Blue									X		
Cove Molding															
Window Caulk															
Window Glazing															

D/D - Degree of Damage
M - Minor
S - Significant

P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name:
Building Address:

Pulaski Library

4215-55

Space ID No.: 1003A/1004A

Type of Space: Bathroom

Ceiling Height: 8 ft

Type of Structural Deck

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Structural Floor

Type of Structural Walls

Block

Room Dimension 4 x 5

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color	F	NF	Suspect Material			ACMAHERA Removal			
						Total	Damaged	D/D	P/D	Notes	Y/N	Rank
Surfacing Material												
Ceiling	1, 2		W. by / by								N	
Ceiling												
North Wall	1, 2, 5, 6, 7		W. by / by								N	
South Wall			Brown									
East Wall			Gray									
West Wall			Gray									
Thermal System Insulation												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape	4, 5	BC	Brown									
Miscellaneous Material												
Ceiling	3, 4		Brown / Pink								N	
North Wall												
South Wall												
East Wall												
West Wall												
Floor	12, 13, 14		Brown / Gray / Green								N	
Cove Molding												
Window Caulk												
Window Glazing												

D/D - Degree of Damage
M - Minor
S - Significant

P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

6/5/2012
1/21/10

P/D - Potential for Damage
M - Minor (Not Accessible)
N - Not Significant (O M Only)
S - Significant (Accessible)

ATTACHMENT C

Sample Location Plans, Analytical Reports, Chain of Custody And Bulk Sample Logs

UPDATE
PRE-RENOVATION ASBESTOS SURVEY AND
LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

PULASKI LIBRARY

REVISIONS:		
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		

CLIENT:

CITY OF ROCHESTER
30 CHURCH STREET
ROCHESTER, NY 14614

PROJECT:
PULASKI LIBRARY
1151 HUDSON AVENUE
ROCHESTER, NY 14621

DRAWING TITLE:
**BULK SAMPLE
LOCATION PLAN**

DESIGNED BY:	MCS
DRAWN BY:	MCS
CHECKED BY:	SAH
SCALE:	NONE

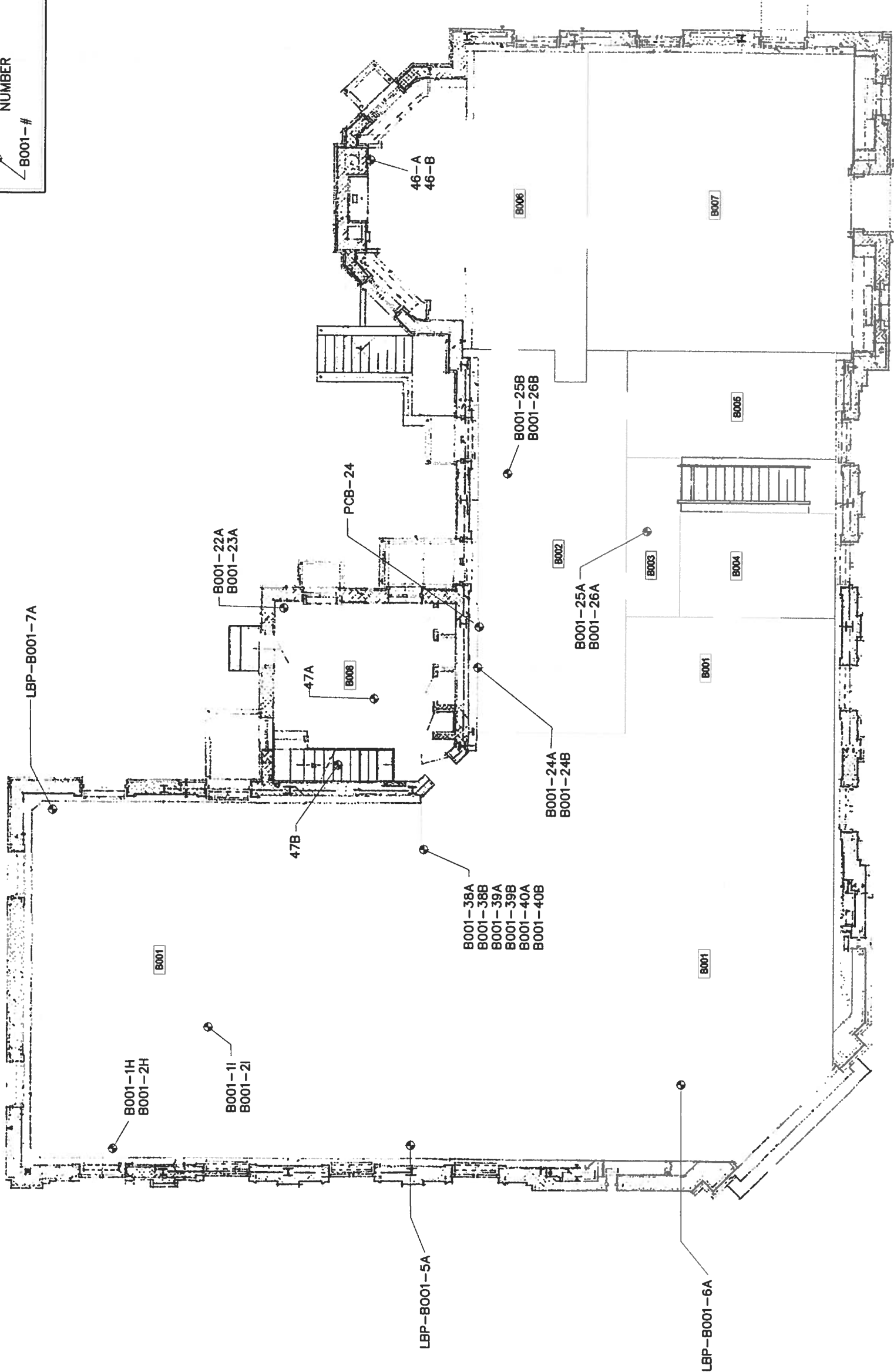
Lu Project No.: 4215-55
SHEET 1 OF 2

DATE: June 2012
DRAWING NO.: AB-1

KEY

 SPACE ID NUMBER USED ON ROOM-BY-ROOM INSPECTION FORM

 BULK SAMPLE LOCATION WITH NUMBER



**BULK SAMPLE LOCATIONS
BASEMENT FLOOR PLAN**
SCALE: $\pm 3/32" = 1'-0"$

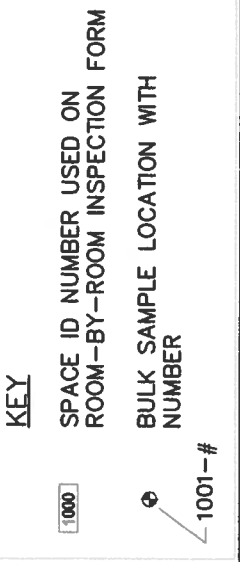


CITY OF ROCHESTER
30 CHURCH STREET
ROCHESTER, NY 14614

DRAWING TITLE:

Project No.: 4215-55
SHEET 2 OF 2

DATE:	JUNE 2012
DRAWING NO.:	AB-2





Bulk Sample Location Plan
Roof Plan

BULK SAMPLE ASBESTOS ANALYTICAL REPORT

ABELLA ASSOCIATES, P. C.
ANALYTICAL LABORATORY
300 STATE STREET
ROCHESTER, NY 14614
(585) 454-6110 FAX(585) 454-3066

LBL JOB # 7010

ELAP # 11184

TEM ELAP # 10920

CLIENT PROJECT # 4215-55

CLIENT: Joseph C. Lu Engin. & Land Surv., PC

ADDRESS: 2230 Penfield Road

Penfield, NY 14526-1922

Attn: Susan Hilton

SAMPLE TYPE: PLM Bulk

SAMPLE DATE: 01/26/2010

PROJECT LOCATION: Pulaski Library

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
2001-1A	7010-1	P	ND		ND		MINERAL	100	WHITE PLASTER
2002-1B	7010-2	P	ND		ND		MINERAL	100	WHITE PLASTER
1001-1C	7010-3	P	ND		ND		MINERAL	100	WHITE PLASTER
1001-1D	7010-4	P	ND		ND		MINERAL	100	WHITE PLASTER
1001-1E	7010-5	P	ND		ND		MINERAL	100	WHITE PLASTER
1001-1F	7010-6	P	ND		ND		MINERAL	100	WHITE PLASTER
1001-1G	7010-7	P	ND		ND		MINERAL	100	WHITE PLASTER
B001-1H	7010-8	P	ND		ND		MINERAL	100	WHITE PLASTER
B001-1I	7010-9	P	ND		ND		MINERAL	100	WHITE PLASTER
2001-2A	7010-10	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
2001-2B	7010-11	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
1001-2C	7010-12	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
1001-2D	7010-13	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
1001-2E	7010-14	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
1001-2F	7010-15	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
1001-2G	7010-16	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
B001-2H	7010-17	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
B001-2I	7010-18	P	ND		ND		MINERAL	100	BROWNISH GREY PLASTER
2002-3A	7010-19	G	ND		CELLULOSE	85	TAR	15	BROWN FIBERBOARD
2002-3B	7010-20	G	ND		CELLULOSE	85	TAR	15	BROWN FIBERBOARD
2002-4A	7010-21	P	ND		FIBERGLASS	100	ND		PINK INSULATION
2002-4B	7010-22	P	ND		FIBERGLASS	100	ND		PINK INSULATION

PLM Method EPA 600/M4/82/020

Lab Supervisor: Matt Smith

Date: 1/29/10

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

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

BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 7010

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
2002-5A	7010-23	P	ND		ND		MINERAL	100	BROWN CERAMIC TILE
2002-5B	7010-24	P	ND		ND		MINERAL	100	BROWN CERAMIC TILE
2002-6A	7010-25	P	ND		ND		MINERAL	100	GREY GROUT
2002-6B	7010-26	P	ND		ND		MINERAL	100	GREY GROUT
2002-7A	7010-27	P	ND		ND		MINERAL	100	GREY MUD SET
2002-7B	7010-28	P	ND		ND		MINERAL	100	GREY MUD SET
2001-8A	7010-29	N	CHRYSTILE	11	ND		MIN/BINDER	89	BLACK PANEL GLUE
2001-9A	7010-30	T	ND		ND		MIN/BINDER	100	TAN GLUE
2001-9B	7010-31	T	ND		ND		MIN/BINDER	100	TAN GLUE
2003-10A	7010-32	N	CHRYSTILE	24	ND		MIN/VINYL	76	GREY FLOOR TILE
1001-11A	7010-33	T	ND		ND		MASTIC	100	BLACK MASTIC
1001-11B	7010-34	T	ND		ND		MASTIC	100	BLACK MASTIC
2003-11A-A	7010-35	P	ND		CELLULOSE	100	ND		GREY PAPER
2003-11A-B	7010-36	P	ND		CELLULOSE	100	ND		GREY PAPER
2002-12A	7010-37	P	ND		ND		MINERAL	100	TAN CERAMIC TILE
2002-12B	7010-38	P	ND		ND		MINERAL	100	TAN CERAMIC TILE
2002-13A	7010-39	P	ND		ND		MINERAL	100	GREY GROUT
2002-13B	7010-40	P	ND		ND		MINERAL	100	GREY GROUT
2002-14A	7010-41	P	ND		ND		MINERAL	100	GREY MUD SET
2002-14B	7010-42	P	ND		ND		MINERAL	100	GREY MUD SET
2001-15A	7010-43	P	ND		ND		RUBBER	100	BROWN COVE BASE
2001-15B	7010-44	P	ND		ND		RUBBER	100	BROWN COVE BASE
2001-16A	7010-45	T	ND		ND		MIN/BINDER	100	TAN MASTIC
2001-16B	7010-46	T	ND		ND		MIN/BINDER	100	TAN MASTIC
1001-17A	7010-47	N	CHRYSTILE	21	ND		MIN/VINYL	79	BROWNISH RED FLOOR TILE
1001-18A	7010-48	T	ND		ND		MIN/BINDER	100	TAN MASTIC
1001-18B	7010-49	T	ND		ND		MIN/BINDER	100	TAN MASTIC
1001-19A	7010-50	T	ND		ND		MASTIC	100	BLACK MASTIC

PLM Method EPA 600/M4/82/020

Lab Supervisor: Math Smith

Date: 1/29/10

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

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

LBL JOB # 7010

PLM Method EPA 600/M4/82/020

Lab Supervisor:

Date:

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

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

CHAIN OF CUSTODY

LaBella Associates, P.C.
Analytical Laboratory
300 State Street
Rochester, NY 14614
585.454.6110 Fax 585.454.3066

PO#: 222852

LBL Job # 7010

Client: Lu Engineers

Project # 4215-55

Site Address:

Corner of Norton & Hudson
Rochester NY

Pre-Abatement: ☐

Work in Progress: ☐

Site Description:

Pulaski Library

Finals: ☐

PCM ☐

TEM ☐

Sample Technician: MTS / MW

Observations/Comments

STOP POSITIVE

Field Data Sheet Supplied With Samples: Yes / No

Date Sampled: 1/26/10

Requested Analysis:

Air-Fibers:

Bulk Asbestos: X 66

Other:

Lab ID #	Field ID #
7010-1	2001-1A
2	2002-1B
3	1001-1C
4	1001-1D
5	1001-1E
6	1001-1F
7	1001-1G
8	B001-1H
9	B001-1I
10	2001-2A
11	2002-2B
12	1001-2C
13	1001-2D
14	1001-2E
15	1001-2F
16	1001-2G

Lab ID #	Field ID #
7010-17	B001-2H
18	B001-2I
19	2002-3A
20	2002-3B
21	2002-4A
22	2002-4B
23	2002-5A
24	2002-5B
25	2002-6A
26	2002-6B
27	2002-7A
28	2002-7B
29	2001-8A
VOID	2001-8B
30	2001-9A
31	2001-9B

Lab ID #	Field ID #
7010-32	2003-10A
VOID	2003-10B
33	1001-11A
34	1001-11B
35	2003-11A-A
36	2003-11A-B
37	2002-12A
38	2002-12B
39	2002-13A
40	2002-13B
41	2002-14A
42	2002-14B
43	2001-15A
44	2001-15B
45	2001-16A
46	2001-16B

Lab ID #	Field ID #
7010-48	1001-17A
VOID	1001-17B
48	1001-18A
49	1001-18B
50	1001-19A
51	1001-19B
52	1001-20A
53	1001-20B
54	1002-20C
55	1001-21A
56	B001-22A
57	B001-23A
58	B001-24A
59	B001-24B
60	B001-25A
VOID	B001-25B
61	B001-26A
62	B001-26B

Relinquished By

Carrier:

Received By:

Fax Results To:

Date:

Number of Samples:

Date:

Tech. Contact/Pager #:



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55
Job Name: Pulaski Library
Date:
Name: MTS/MW

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
2001-1A	Ceiling	White Top Coat Plaster		Damaged	
2002-1B	WALL	White Top Coat Plaster			
1001-1C	WALL	White Top Coat Plaster			
1001-1D	WALL	White Top Coat Plaster			
1001-1E	WALL	White Top Coat Plaster			
1001-1F	Ceiling	White Top Coat Plaster			
1001-1G	Ceiling	White Top Coat Plaster			
80001-1H	WALL	White Top Coat Plaster			
8001-1I	Ceiling	White Top Coat Plaster			
2001-2A	Ceiling	Brownish Grey Rough Coat Plaster			



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55

Job Name: Pulaski Library

Date:

Name: MTS/MW

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
2002-2B	Wall	Brownish Grey Rough Coat Plaster		Damaged	
1001-2C	Wall	Brownish Grey Rough Coat Plaster			
1001-2D	Wall	Brownish Grey Rough Coat Plaster			
1001-2E	Wall	Brownish Grey Rough Coat Plaster			
1001-2F	Ceiling	Brownish Grey Rough Coat Plaster			
1001-2G	Ceiling	Brownish Grey Rough Coat Plaster			
1001-2H	Wall	Brownish Grey Rough Coat Plaster			
1001-2I	Ceiling Ceiling	Brownish Grey Rough Coat Plaster			
2002-3A	Ceiling	Brown Fiberboard			above rough coat
2002-3B	Ceiling	Brown Fiberboard		✓	✓



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55

Job Name: Pulaski Library

Date:

Name: MTS/MW

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
2002-4A	Ceiling	Pink Insulation		Damaged	Above Brown Fiberglass
2002-4B	Ceiling	Pink Insulation		↓	↓
2002-5A	Wall	Brown Ceramic Tile		Good	
2002-5B	Wall	Brown Ceramic Tile			
2002-6A	Wall	Grey Graft			
2002-6B	Wall	Grey Graft			
2002-7A	Wall	Grey Midget			
2002-7B	Wall	Grey Midget		✓	
2001-8A	Wall	Black Panel GIVE		Good	on walls
2001-8B	Wall	Black Panel GIVE		↓	on panels laying on floor



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55
Job Name: Pulaski Library
Date:
Name: MTS/MW

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
2001-9A	Wall	Tan Panel Glue		OK	on wall & back of panels on floor ↓
2001-9B	Wall	Tan Panel Glue		OK	
2003-10A	Closet Floor	Grey w/streaks 12x12 Floor Tile		Damaged	
2003-10B	Closet Floor	Grey w/streaks 12x12 Floor Tile		↓	
1001-11A 2003-11A	Floor	Black FT Mastic		OK	under 12x12s
1001-11B	Floor	Black FT Mastic		↓	↓
2003-11A-A	Floor	Grey Paper under FT/M		OK	Randomly under 12x12s
2003-11A-B	Floor	Grey Paper under FT/M		OK	
2002-12A	Bathroom Floor	Floor Tan Ceramic Tile		Good	1st & 2nd floor 8x4s
2002-12B	Bathroom Floor	Floor Tan Ceramic Tile		Good	↓



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55
Job Name: Pulaski Library
Date:
Name: MTS/MW

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
2002-13A	Bathroom floor	Grey Grout		Good	1st & 2nd floor, Bth's
2002-13B	Bathroom floor	Grey Grout			
2002-17A	Bathroom floor	DK Grey mastic			
2002-14B	Bathroom floor	DK Grey mastic			
2001-15A	Base boards	Brown Core Base		OK	1st & 2nd floor core on floor
2001-15B		Brown Core Base			
2001-16A		THIN Core Base mastic			2nd floor only
2001-16B		Tan Core Base mastic			
1001-17A	Floors	12x12 Brownish Red f.t.		OK	
1001-17B	Floors	12x12 Brownish Red f.t.			

Vol



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55

Job Name: Pulaski Library

Date:

Name: MTS/MW

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
1001-18A	Floor	Tan Carpet Mastic		Damaged	entire Main floor
1001-18B	Floor	Tan Carpet Mastic		↓	↓
1001-19A	Cove Base	Black Cove Base Mastic		OK	Entire floor and on Desk/Bookshelves
1001-19B	Cove Base	↓		OK	↓
1001-20A	Ceiling/Wall	Decorative White Plaster		Damaged	On Beams and corners of walls
1001-20B	↓	Decorative White Plaster		↓	↓
1002-20C	↓	Decorative white plaster		↓	↓
1001-21A	Aceci Radiator Trunk	Air Cell Insulation		OK	
1001-22A	Basement	Pipe Insulation lengths		Damaged	
1001-23A	Basement	Pipe Insulation Elbows		↓	



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55

Job Name: Pulaski Library

Date:

Name: MTS/MW

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
B001-24A	Window Basement	Grey Window Glaze		OK	
B001-24B	Window Basement	↓		↓	
B001-25A	Basement 9x9 Grey F.T.	9x9 Grey F.T.		OK	✓
B001-25B	Basement	9x9 Grey F.T.		↓	
B001-26A	Basement	Black F.T. under 9x9		↓	Under 9x9s
B001-26B	Basement	Black F.T. under 9x9		↓	

BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LABELLA ASSOCIATES, P. C.
ANALYTICAL LABORATORY
300 STATE STREET
ROCHESTER, NY 14614
(585) 454-6110 FAX(585) 454-3066

RECEIVED

FEB 19 2010

LU ENGINEERS

LBL JOB # 11810

ELAP # 11184

TEM ELAP # 10920

CLIENT PROJECT # 4215-55

CLIENT: Joseph C. Lu Engin. & Land Surv., PC

ADDRESS: 2230 Penfield Road

Penfield, NY 14526-1922

Attn: Susan Hilton

SAMPLE TYPE: PLM Bulk

SAMPLE DATE: 02/09/2010

PROJECT LOCATION: Pulaski Library (PO#222852)

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
EXT-27A	11810-1	P	ND		ND		MINERAL	100	GRAY MORTAR
EXT-27B	11810-2	P	ND		ND		MINERAL	100	GRAY MORTAR
EXT-28A	11810-3	P	ND		ND		MINERAL	100	GRAY PARGE COAT
EXT-28B	11810-4	P	ND		ND		MINERAL	100	GRAY PARGE COAT
EXT-29A	11810-5	P	ND		ND		MINERAL	100	GRAY ROUGH COAT
EXT-29B	11810-6	P	ND		ND		MINERAL	100	GRAY ROUGH COAT
EXT-30A	11810-7	T	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
EXT-30B	11810-8	T	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
EXT-31A	11810-9	T	ND		ND		MIN/BINDER	100	GRAYBRITTLE CAULK
EXT-31B	11810-10	T	ND		ND		MIN/BINDER	100	GRAYBRITTLE CAULK
EXT-32A	11810-11	T	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
EXT-32B	11810-12	T	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
EXT-33A	11810-13	T	ND		CELL/GLASS	50	TAR	50	BLACK ROOF SHINGLE
EXT-33B	11810-14	T	ND		CELL/GLASS	50	TAR	50	BLACK ROOF SHINGLE
EXT-34A	11810-15	G	ND		CELLULOSE	62	TAR	38	BLACK TAR PAPER
EXT-34B	11810-16	G	ND		CELLULOSE	62	TAR	38	BLACK TAR PAPER
EXT-35A	11810-17	T	ND		CELLULOSE	40	TAR	60	BLACK ROOFING
EXT-35B	11810-18	T	ND		CELLULOSE	40	TAR	60	BLACK ROOFING
EXT-36A	11810-19	G	ND		ND		TAR	100	BLACK TAR
EXT-36B	11810-20	G	ND		ND		TAR	100	BLACK TAR
1001 EXT-37A	11810-21	T	ND		ND		MIN/BINDER	100	GRAY WINDOW CAULK
1001 EXT-37B	11810-22	T	ND		ND		MIN/BINDER	100	GRAY WINDOW CAULK

PLM Method EPA 600/M4/82/020

Lab Supervisor: Matte Smith

Date: 2/12/10

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

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

LBL JOB # 11810

PLM Method EPA 600/M4/82/020

Lab Supervisor:

- Date:

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result
G-Gravametric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

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

CHAIN OF CUSTODY

LaBella Associates, P.C.
Analytical Laboratory
300 State Street
Rochester, NY 14614
585.454.6110 Fax 585.454.3066

PO#: 222852

LBL Job # 11810

Client: Lu Engineers

Project # 4215-55

Site Address: 1151 Hudson

Pre-Abatement: ☐

Work in Progress: ☐

Site Description: Pulaski Library

Finals: ☐

Sample Technician: MTS / MW MC

PCM ☐ TEM ☐

Observations/Comments

Field Data Sheet Supplied With Samples: Yes / No

Date Sampled: 2/9/2010

Requested Analysis:

Air-Fibers:

Bulk Asbestos: X

Other:

Lab ID #	Field ID #
Ext-27A	118-1
Ext-27B	2
Ext-28A	3
Ext-28B	4
Ext-29A	5
Ext-29B	6
Ext-30A	7
Ext-30B	8
Ext-31A	9
Ext-31B	10
Ext-32A	11
Ext-32B	12
Ext-33A	13
Ext-33B	14
Ext-34A	15
Ext-34B	16

Lab ID #	Field ID #
Ext-35A	118-17
Ext-35B	18
Ext-36A	19
Ext-36B	20
Root-37A	21
Root-37B	22
Root-38A	23
Root-38B	24
Root-39A	25
Root-39B	26
Root-40A	27
Root-40B	28

Lab ID #	Field ID #

Lab ID #	Field ID #

Relinquished By

Carrier:

Received By:

Fax Results To:

Date:

Number of Samples:

Date:

Tech. Contact/Pager #:



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55
Job Name: Pulaski Library
Date: 2/19/10
Name: MTS/MW
INC

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
Ext - 27A	Exterior	Mortar between sandstone blocks			
Ext - 27B	Exterior	Mortar between sandstone blocks			
Ext - 28A	Exterior	Grey Parge Coat			
Ext - 28B	Exterior	Grey Parge Coat			
Ext - 29A	Exterior	Exterior Rough Coat			Behind Parge
Ext - 29B	Exterior	Exterior Rough Coat			↓
Ext - 30A	Exterior	Grey Sticky Door Caulk			
Ext - 30B	Exterior	Grey Sticky Door Caulk			
Ext - 31A	Exterior	Grey Brittle Caulk			
Ext - 31B	Exterior	Grey Brittle Caulk			



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55
Job Name: Pulaski Library
Date: 2/9/10
Name: MTS/MW
MC

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
Ext-32A	Handg Exterior	Hard Grey Over Gunk			
Ext-32B	Exterior	↓			
Ext-33A	Roof	Bottom layer Shingle			
Ext-33B	Roof	↓			
Ext-34A	Roof	Tar Paper			
Ext-34B	Roof	↓			
Ext-35A	Roof	Top layer roof			
Ext-35B	Roof	↓			
Ext-36A	Roof	Tar on roof/flashings			
Ext-36B	Roof	↓			



Lu Engineers

Penfield | Rochester | Watertown

Job #: 4215-55

Job Name: Pulaski Library

Date: 2/9/10

Name: MTS/MW

mc

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
1001-37A	Interior windows	Window Caulk			
1001-37B	↓	↓			
1001-38A	Basement	Dry Wall			
1001-38B	Basement	Dry Wall			
1001-39A	Basement	Joint Compound			
1001-39B	Basement	Joint Compound			
1001-40A	Basement	Tile			
1001-40B	Basement	Tile			



PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

PLM & TEM BULK ASBESTOS REPORT

Client: Lu Engineers
Location: Pulaski Library - Update
1151 Hudson Avenue, Rochester

Job No: 5621-12

Page: 1 of 2

Sample Date: 6/5/2012

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 %
41-A	38493	Above 2nd Floor Roof	Black Fibrous Roof Tar	Chrysotile 17%	17%	✓	Not Required	N/A	None Detected	83%
41-B	38494	Above 2nd Floor Roof	Black Roof Tar	STOP	POSITIVE	✓	SAMPLE	NOT	ANALYZED	N/A
42-A	38495	2nd Floor Roof Vent	Black/Silver Fibrous Roof Cement	Chrysotile 16%	16%	✓	Not Required	N/A	None Detected	84%
42-B	38496	2nd Floor Roof Curb	Black/Silver Roof Cement	STOP	POSITIVE	✓	SAMPLE	NOT	ANALYZED	N/A
43-A	38497	Flat Roof-Main Building	Black Fibrous Shiny Roof Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 5% Synthetic 5%	90%
43-B	38498	Flat Roof-Main Building	Black Fibrous Shiny Roof Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 5% Synthetic 5%	90%
44-A	38499	Flat Roof-Main Building	Black Tar Paper	None Detected	0%	✓	<1.0% Residue Remaining. TEM Not Required	N/A	Synthetic 1%	99%
44-B	38500	Flat Roof-Main Building	Black Tar Paper	None Detected	0%	✓	<1.0% Residue Remaining. TEM Not Required	N/A	Synthetic 1%	99%
45-A	38501	1st Floor Bathroom	Brown Fibrous Duct Tape	Chrysotile 67%	67%		Not Required	N/A	None Detected	33%
45-B	38502	1st Floor Bathroom	Brown Duct Tape	STOP	POSITIVE		SAMPLE	NOT	ANALYZED	N/A

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: 6/6/2012

TEM Date Analyzed: 6/7/2012

Microscope: Olympus BH-2 #233173

TEM Analyst: F. Weinman

Analyst: F. Weinman

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.

5621-12 6/7/2012

5621-12



Bulk Sample Chain of Custody

10f2-coc

Project Name: Pulaski Library - Update		Lu Project # 4215-55	
Site Address: 1151 Hudson Avenue, Rochester, NY		Laboratory Name: Paradigm Environmental Services	
Results to:		Laboratory Address: 179 Lake Avenue Rochester, New York	
Lu Engineers 175 Sullys Trail, Suite 202 Pittsford, NY 14534	Sample Type ☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only	Turn Around Time ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 Day	
Email: msmith@luengineers.com , sue-hilton@luengineers.com		Comments: STOP POSITIVE	

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
41-A	ABOVE 2ND FLOOR ROOF	BLACK ROOF TAR	ON CURY TUES 88493
41-B	"	"	" 494
42-A	2ND FLOOR ROOF VENT	BLACK ROOF CEMENT	w/ SILVER PAINT 495
42-B	2ND FLOOR ROOF CURB	"	496
43-A	FLAT ROOF - MAIN BUILDING	BLACK SHINY ROOF TAR	3/4" THICK BUR 497
43-B		"	ON WOOD DECK 498
44-A		BLACK TAR PAPER	499 X
44-B		"	500 X
45-A	1ST FLOOR BATHROOM	BROWN DUCT TAPE	501
45-B	"	"	502

Date Sampled: 6/5/2012
 Inspector: MCS/SAT
 Relinquished By: [Signature] Date/Time 6/5/12 1:35
 Received By: Jane Salvo Date/Time 6/5/12 1:35 PM
 175 Sullys Trail, Suite 202, Pittsford, NY 14534 | Ph 585.385.7417 | Fax 585.385.3741 | luengineers.com KS 6/5/12



PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

PLM & TEM BULK ASBESTOS REPORT

Client: Lu Engineers
Location: Pulaski Library - Update
1151 Hudson Avenue, Rochester

Job No: 5622-12
Page: 1 of 2

Sample Date: 6/5/2012

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
46-A	38503	Boiler Room	Gray Flue Cement	None Detected	0%		Not Required	N/A	Fiberglass 1%	99%
46-B	38504	Boiler Room	Gray Flue Cement	None Detected	0%		Not Required	N/A	None Detected	100%
47-A	38505	B008	Black Flooring	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
47-B	38506	B008 Stairs	Black Flooring	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
48-A	38507	Room 1001	Brown Linoleum	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
48-B	38508	Room 1001	Brown Linoleum	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: 6/6/2012

TEM Date Analyzed: 6/7/2012

Microscope: Olympus BH-2 #233173

TEM Analyst: F. Weinman

Analyst: F. Weinman

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

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5622-12 6/7/2012

Bulk Sample Chain of Custody



5622-12
20f2 coc
2869

Project Name: Pulaski Library - Update		Lu Project # 4215-55
Site Address: 1151 Hudson Avenue, Rochester, NY		Laboratory Name: Paradigm Environmental Services
Results to:	Sample Type	Laboratory Address: 179 Lake Avenue Rochester, New York
Lu Engineers 175 Sullys Trail, Suite 202 Pittsford, NY 14534	☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only	Turn Around Time ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 Day
Email: msmith@luengineers.com , sue-hilton@luengineers.com		Comments: STOP POSITIVE

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
46-A	Boiler Room	GREY FIVE CEMENT	38503
46-B	"	"	504
47-A	Boos	BLACK FLOORING	505
47-B	Boos STAIRS	"	506
48A-48-A	Room 1001	BROWN UNDERLUM	ON COUNTER 507
48B-48-B	Room 1001	"	508

Date Sampled: _____
 Inspector: _____
 Relinquished By: [Signature] Date/Time 6/5/12 1:35
 Received By: [Signature] Date/Time 6/5/12 1:35 PM
 175 Sullys Trail, Suite 202, Pittsford, NY 14534 | Ph 585.385.7417 | Fax 585.385.3741 | luengineers.com
 KS 6/5/12



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Lu Engineers

For Lab Project # 10-0658
Issued February 16, 2010
This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

LAB REPORT FOR PAINT ANALYSIS

Client: Lu Engineers

Lab Project No.: 10-0658

Client Job Site: Pulaski Library

Sample Type: Paint
Method: SW846 6010

Client Job No.: 4215-55

Date Sampled: 01/21/2010
Date Received: 02/11/2010
Date Analyzed: 02/15/2010

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/Kg)	Lead (% By Wt.)
3000	N/A	LBP-2001-1A	218	0.022
3001	N/A	LBP-2003-2A	1780 D,M	0.178
3002	N/A	LBP-1001-3A	206	0.021
3003	N/A	LBP-1001-4A	6330	0.633
3004	N/A	LBP-B001-5A	67.7	0.007
3005	N/A	LBP-B001-6A	379	0.038
3006	N/A	LBP-B001-7A	452	0.045

ELAP ID No.:10958

Comments: Paint is considered lead based if the concentration of lead is equal or greater than 0.5% by weight.

Approved By: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID:100658.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

10-0658

REPORT TO: COMPANY: Lu Engineers		INVOICE TO: COMPANY: Lu Eng - LLC	
ADDRESS: 2230 Penfield Rd		ADDRESS: 2230 Penfield Rd	
CITY: Penfield	STATE: NY	CITY: Penfield	STATE: NY
PHONE: 377-1450	FAX: 377-1266	PHONE: 377-1450	FAX: 377-1266
ATTN: Mark Stein	ATTN: Sue Hilton	QUOTE #:	STD
PROJECT NAME/SITE NAME: Pulaski Library		CLIENT PROJECT #: 41215-55	
COMMENTS:		TURNAROUND TIME: (WORKING DAYS)	

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/21/10	1300		✓	LBP-2001-1A	PT	1		3000
2/12/10	1300		✓	LBP-2003-2A	PT	1		3001
3/12/10	1300		✓	LBP-1001-3A	PT	1		3002
4/12/10	1400		✓	LBP-1001-4A	PT	1		3003
5/12/10	1430		✓	LBP-B001-5A	PT	1		3004
6/12/10	1430		✓	LBP-B001-6A	PT	1		3005
7/12/10	1430		✓	LBP-B001-7A	PT	1		3006
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	Y ☒ N ☐	Preservation:	Y ☐ N ☐
Holding Time:	Y ☒ N ☐	Temperature:	Y ☐ N ☐
Comments:	20°C-N/A	Comments:	20°C-N/A
b/c for metals only			

Sampled By: Mike Wagner	Date/Time: 1/21/10
Relinquished By: [Signature]	Date/Time: 2/11/10 8:15
Received By: Elizabeth A. Honck	Date/Time: 2/11/10 8:15
Received @ Lab By:	Date/Time: 2/11/10 1120

Total Cost:

P.I.F.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Lu Engineers

For Lab Project # 10-0657

Issued February 18, 2010

This report contains a total of 7 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Lu Engineers**Client Job Site:** Pulaski Library**Lab Project Number:** 10-0657**Lab Sample Number:** 2995**Client Job Number:** 4215-55**Field Location:** PCB-24**Date Sampled:** 02/09/2010**Field ID Number:** N/A**Date Received:** 02/11/2010**Sample Type:** Solid**Date Analyzed:** 02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 14.7
Aroclor 1221	ND< 14.7
Aroclor 1232	ND< 14.7
Aroclor 1242	ND< 14.7
Aroclor 1248	ND< 14.7
Aroclor 1254	ND< 14.7
Aroclor 1260	ND< 14.7

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

100657P1.XLS

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/SludgesClient: **Lu Engineers**

Client Job Site: Pulaski Library

Lab Project Number: 10-0657

Lab Sample Number: 2996

Client Job Number: 4215-55

Field Location: PCB-30

Date Sampled: 02/09/2010

Field ID Number: N/A

Date Received: 02/11/2010

Sample Type: Solid

Date Analyzed: 02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 13.6
Aroclor 1221	ND< 13.6
Aroclor 1232	ND< 13.6
Aroclor 1242	ND< 13.6
Aroclor 1248	ND< 13.6
Aroclor 1254	ND< 13.6
Aroclor 1260	ND< 13.6

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

100857P2.XLS

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Lu Engineers**Client Job Site:** Pulaski Library**Lab Project Number:** 10-0657**Client Job Number:** 4215-55**Lab Sample Number:** 2997**Field Location:** PCB-31**Date Sampled:** 02/09/2010**Field ID Number:** N/A**Date Received:** 02/11/2010**Sample Type:** Solid**Date Analyzed:** 02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 14.7
Aroclor 1221	ND< 14.7
Aroclor 1232	ND< 14.7
Aroclor 1242	ND< 14.7
Aroclor 1248	ND< 14.7
Aroclor 1254	52.1
Aroclor 1260	ND< 14.7

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

100657P3.XLS

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Lu Engineers**Client Job Site:** Pulaski Library**Lab Project Number:** 10-0657**Lab Sample Number:** 2998**Client Job Number:** 4215-55**Field Location:** PCB-32**Date Sampled:** 02/09/2010**Field ID Number:** N/A**Date Received:** 02/11/2010**Sample Type:** Solid**Date Analyzed:** 02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 13.0
Aroclor 1221	ND< 13.0
Aroclor 1232	ND< 13.0
Aroclor 1242	ND< 13.0
Aroclor 1248	ND< 13.0
Aroclor 1254	ND< 13.0
Aroclor 1260	ND< 13.0

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

100657P4.XLS

**PCB Analysis Report for Soils/Solids/Sludges****Client:** Lu Engineers**Client Job Site:** Pulaski Library**Lab Project Number:** 10-0657**Client Job Number:** 4215-55**Lab Sample Number:** 2999**Field Location:** PCB-37**Date Sampled:** 02/09/2010**Field ID Number:** N/A**Date Received:** 02/11/2010**Sample Type:** Solid**Date Analyzed:** 02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 14.4
Aroclor 1221	ND< 14.4
Aroclor 1232	ND< 14.4
Aroclor 1242	ND< 14.4
Aroclor 1248	ND< 14.4
Aroclor 1254	ND< 14.4
Aroclor 1260	ND< 14.4

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: Lv Engineers	COMPANY: Lv Engineers	LAB PROJECT #: 10-0657	CLIENT PROJECT #: 4215-55
ADDRESS: 2230 Penfield Rd	ADDRESS: 2230 Penfield Rd	TURNAROUND TIME: (WORKING DAYS)	
CITY: Penfield	CITY: Penfield		
STATE: NY	STATE: NY		
ZIP: 14526	ZIP: 14526		
PHONE: 377-1450	PHONE: 377-1450		
FAX: 377-1450	FAX: 377-1450		
ATTN: Mark Stein	ATTN: Mark Stein		
COMMENTS:	COMMENTS:		

PROJECT NAME/SITE NAME: **Plask: Library**

REQUESTED ANALYSIS				REMARKS		PARADIGM LAB SAMPLE NUMBER
DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	M A T T R I X	
1 2/19/10	1330		X	PCB-24	Solid	2995
2 2/19/10	1330		X	PCB-30		2996
3 2/19/10	1330		X	PCB-31		2997
4 2/19/10	1345		X	PCB-32		2998
5 2/19/10	1500		X	PCB-37		2999
6 2/19/10						
7						
8						
9						
10						

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210241/242/243/244

Comments:	Container Type:	NELAC Compliance
		Y ☒ N ☐
Comments:	Preservation:	Y ☐ N ☐
		Y ☐ N ☐
Comments:	Holding Time:	Y ☒ N ☐
		Y ☐ N ☐
Comments:	Temperature:	Y ☐ N ☒
	20°C	

Sampled By: Mark Stein	Date/Time: 2/19/10	Total Cost:
Relinquished By: [Signature]	Date/Time: 2/19/10	
Received By: [Signature]	Date/Time: 2/19/10 8:16am	
Received By: Elizabeth A. Honch	Date/Time: 2/19/10 1100	P.I.F.

ATTACHMENT D

*Asbestos Inspection Summary Tables,
Asbestos/PCB/Mold Location Plans,*

UPDATE
PRE-RENOVATION ASBESTOS SURVEY AND
LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

PULASKI LIBRARY

Asbestos Inspection Summary Table
City of Rochester
Pulaski Library
Rochester, New York

<u>Homogeneous Area Description</u>	<u>Homogeneous Area ID No.</u>	<u>Room ID No. & Location</u>	<u>Tested or Assumed</u>	<u>ACM (Y/N)</u>	<u>Approx. Quantity</u>
Black Panel Adhesive	8	2001 Office	Tested	Y	75 SF
				Total	75 SF
Grey Speckled 12"x12" Floor Tile	10	2003 Hallway 1003 Passage 1004 Passage 1004B Closet	Tested	Y	10 SF 24 SF 24 SF 10 SF
				Total	68 SF
Brownish Red 12"x12" Floor Tile	17	1001 Main Room 1002 Back Foyer	Tested	Y	5500 SF 290 SF
				Total	5790 SF
Corrugated Insulation on Radiators	21	1001 Main Room	Tested	Y	475 SF
				Total	475 SF
Pipe Insulation / Pipe Fittings	22 / 23	B001 Main Room B002 Basement Room B004 Large Closet B005 Large Closet B006 Boiler Room B007 Work Shop B008 Room off Stairs	Tested	Y	500 LF 75 LF 15 LF 15 LF 85 LF 90 LF 60 LF
				Total	840 LF
Grey 9"x9" Floor Tile	25	B002 Basement Room B003 Stairway Hall	Tested	Y	760 SF 100 SF
				Total	860 SF
Black Roof Tar	41	Main Roof - Clay Tile Parapet	Tested	Y	91 SF
				Total	91 SF

Asbestos Inspection Summary Table
City of Rochester
Pulaski Library
Rochester, New York

<u>Homogeneous Area Description</u>	<u>Homogeneous Area ID No.</u>	<u>Room ID No. & Location</u>	<u>Tested or Assumed</u>	<u>ACM (Y/N)</u>	<u>Approx. Quantity</u>
Black/Silver Roof Cement	42	Main Roof - Penetrations & Curb Patches	Tested	Y	35 SF
			Total	Total	35 SF
Brown Duct Tape	45	1003A Utility Chase	Tested	Y	10 LF
		1004A Utility Chase			10 LF
			Total	Total	20 LF

LEGEND FOR ASBESTOS AND MOLD LOCATION PLANS ALP-1, ALP-2 AND ALP-3:

AC ASBESTOS CONTAINING

LF LINEAR FEET

SF SQUARE FEET

1000 SPACE ID NUMBER REFERENCED IN
PRE-RENOVATION ASBESTOS SURVEY
REPORT

FT AC FLOOR TILE ON NON AC MASTIC

PA AC BLACK PANEL ADHESIVE

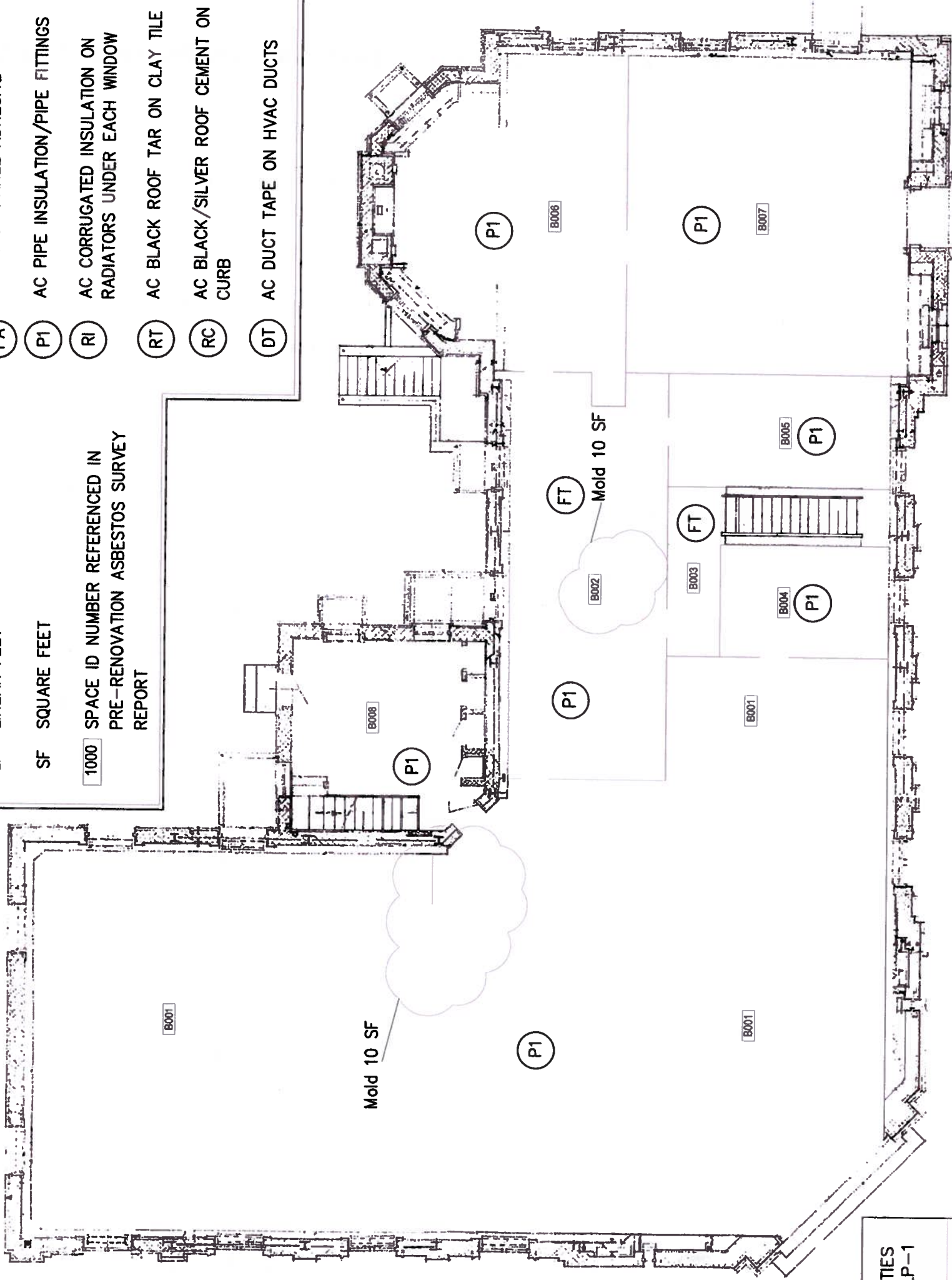
P1 AC PIPE INSULATION/PIPE FITTINGS

RI AC CORRUGATED INSULATION ON
RADIATORS UNDER EACH WINDOW

RT AC BLACK ROOF TAR ON CLAY TILE

RC AC BLACK/SILVER ROOF CEMENT ON ROOF
CURB

DT AC DUCT TAPE ON HVAC DUCTS



ASBESTOS QUANTITIES
APPLICABLE TO ALP-1

FT

860 SF

P1

840 LF

ASBESTOS AND MOLD LOCATIONS
BASEMENT FLOOR PLAN



REVISIONS:		
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		

CLIENT:



CITY OF ROCHESTER
30 CHURCH STREET
ROCHESTER, NY 14614

PROJECT:

PULASKI LIBRARY
1151 HUDSON AVENUE
ROCHESTER, NY 14621

DRAWING TITLE:

ASBESTOS MATERIAL AND
MOLD LOCATIONS
BASEMENT PLAN

DESIGNED BY: MS

DRAWN BY: BF

CHECKED BY: SAH

SCALE: NONE

LU Project #: 4227-01

SHEET 1 OF 3

DATE: JUNE 2012

DRAWING NO.: ALP-1

REVISIONS:		
NO.	DATE	DESCRIPTION BY
1		
2		
3		
4		
5		
6		
7		
8		

CLIENT:



CITY OF ROCHESTER
30 CHURCH STREET
ROCHESTER, NY 14614

PROJECT:

PULASKI LIBRARY
1151 HUDSON AVENUE
ROCHESTER, NY 14621

DRAWING TITLE:
ASBESTOS MATERIAL
LOCATION
FIRST AND SECOND FLOOR
PLAN

DESIGNED BY: MS

DRAWN BY: SAH

CHECKED BY: SAH

SCALE: NONE

LU Project #: 4227-01

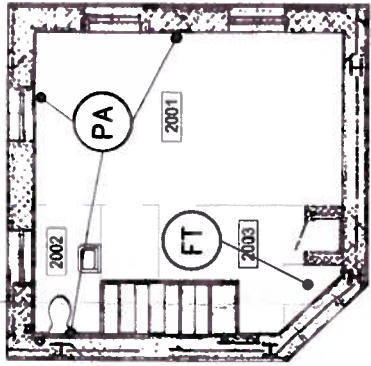
SHEET 2 OF 3

DATE:

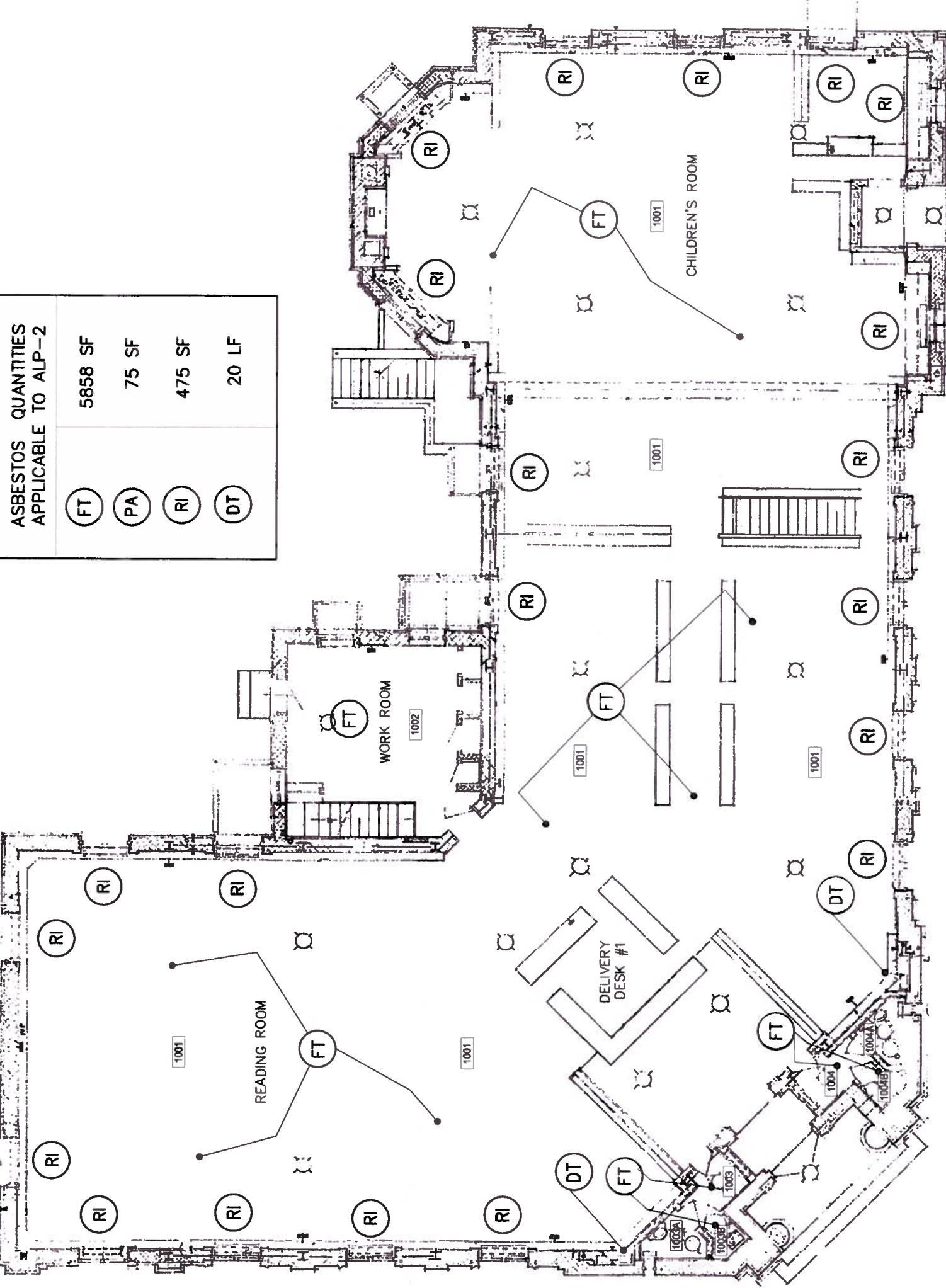
JUNE 2012

DRAWING NO.:

ALP-2



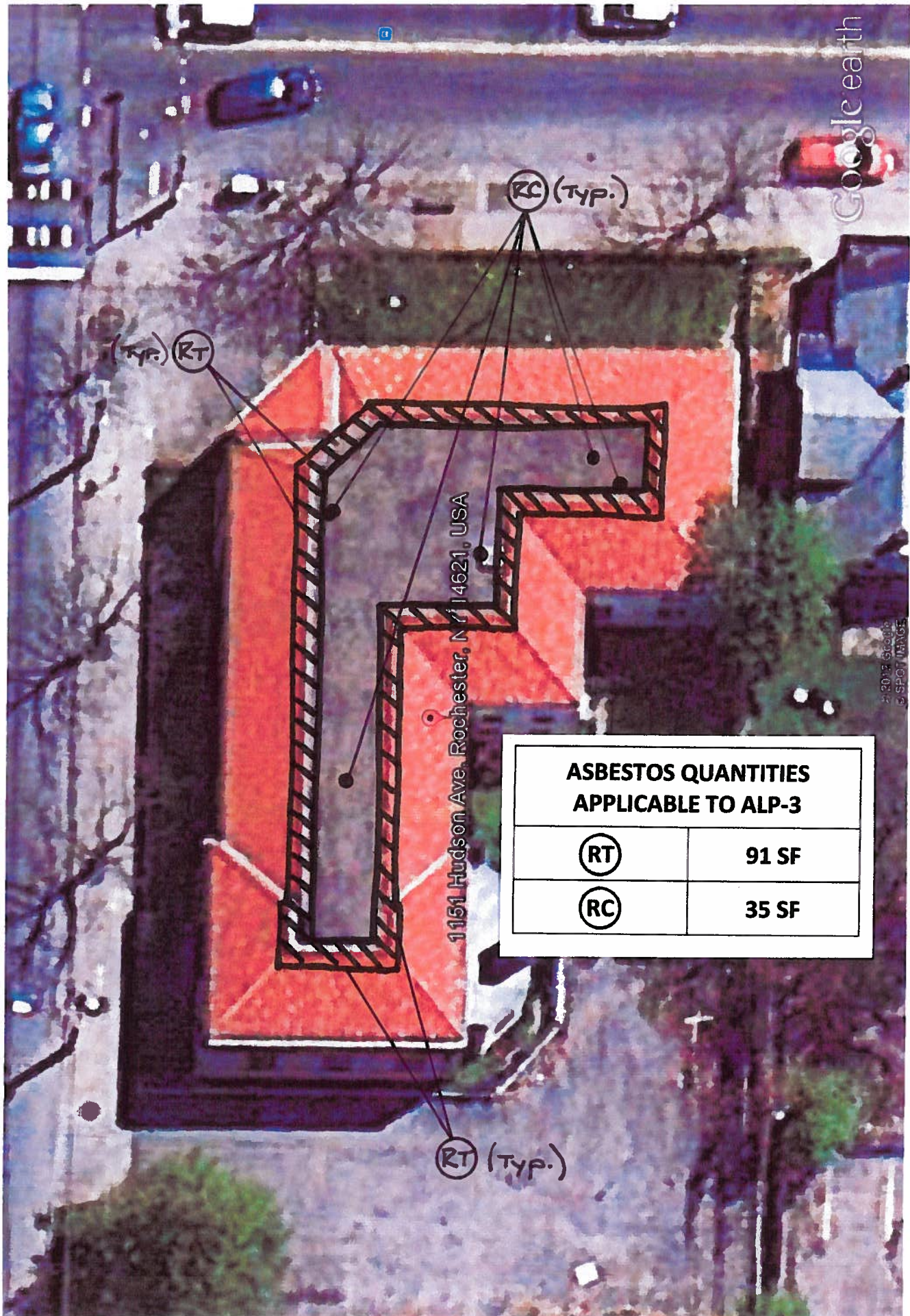
ASBESTOS MATERIAL LOCATIONS
SECOND FLOOR PLAN



ASBESTOS AND MOLD LOCATIONS
FIRST FLOOR PLAN

ASBESTOS QUANTITIES
APPLICABLE TO ALP-2

FT	5858 SF
PA	75 SF
RI	475 SF
DT	20 LF



**ASBESTOS QUANTITIES
APPLICABLE TO ALP-3**

(RT)	91 SF
(RC)	35 SF

ASBESTOS LOCATION PLAN ALP-3