Empire State Development Corporation

at

Midtown Plaza Asbestos Abatement
B. Forman
2nd Floor
Rochester, New York

Prepared For:
Empire State Development Corporation
400 Andrews Street
Rochester, New York 14606

REPORT PREPARED BY
Paradigm Environmental Services, Inc.
179 Lake Avenue, Rochester, New York 14608

PARADIGM
ENVIRONMENTAL SERVICES, INC.

WWW.PARADIGMENV.COM

179 Lake Avenue, Rochester, NY 14608 PHONE: 585-647-2530 TOLL FREE: 800-724-1997 FAX: 585-647-3311

July 28, 2010

Mr. Mark Smith
Empire State Development Corp
400 Andrews Street
Rochester, NY 14604

Re: Midtown Plaza Asbestos Abatement

Dear Mr. Smith:

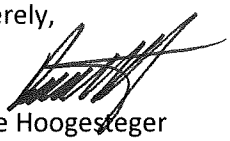
This cover letter serves as a formal introduction to the Project and Air Monitoring records for the Midtown Plaza B. Forman Second Floor work areas at the above referenced project site. All detailed records are attached, grouped and tabulated by major record type. These include: *survey and confirmed removal quantities, applicable variances, daily air logs, daily air sampling reports, miscellaneous bulk sample reports, daily project monitoring logs, maps of sampling locations, and field and lab certifications.* Abatement contractor certifications and signed off work plans are incorporated by reference only. These documents are found in the *containment logs, maintained by LIRO Engineers.*

Asbestos removal quantities and material types were monitored during abatement for comparison to the original survey information. A table showing verified quantities and types versus original is provided below.

2nd Floor Work Area	Material Type	Original Survey Quantities (Entire Floor)	Verified Removal Quantities (Specified Work Area Only)
2nd Floor	Floor Tile/Mastic	26,600 Square Feet	26,600 Square Feet
2nd Floor	Ceiling System	32,400 Square Feet	18,525 Square Feet
2nd Floor	Mirror Mastic	1,200 Square Feet	547 Square Feet
2nd Floor	Pipe Insulation	400 Linear Feet	65 Linear Feet
2nd Floor	Fittings	50 Each	15 Each
2nd Floor	Light Fixtures	180 Each	324 Each
2nd Floor	Duct Insulation	800 Square Feet	1,752 Square Feet
2nd Floor	Black Mastic On Walls	0 Square Feet	543 Square Feet
2nd Floor Mastic	Duct Mastic	0 Square Feet	52 Square Feet
Tent F	Pipe Insulation	400 Linear Feet	8 Linear Feet
Tent G	Pipe Insulation	400 Linear Feet	8 Linear Feet

If you have any questions regarding this letter, or the attached documents, please let me know.

Sincerely,



Bruce Hoogesteger
Paradigm Environmental Services, Inc.

Notifications & Quantities
Cover Summary

CAMBRIA
CONTRACTING, INC.

February 17, 2010

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York 14220

RE: Asbestos and Hazardous Materials Abatement of Midtown Plaza Complex
B. Forman Building change in Contractor

Dear Mr. Kreuzer,

This letter serves as Cambria Contracting Inc. formal notification that Cambria Contracting Inc. will be self performing the remaining work items required by the contract documents for the B. Forman Building. Cambria Contracting Inc. has reviewed the Asbestos Abatement Plan (Rev 12/21/2009) and the General Removal Plan for the B. Forman Building. We will also use the existing variance for the building and applicable sections of other plans, submitted and reviewed, for the building (i.e. evacuation plan, fire protection plan etc...).

Please find attached the revised schedule, notifications to DOL and EPA, revised door tags and the organizational chart for the remainder of the B. Forman Building work.

If you have any questions please contact me at (716) 341-2830

Sincerely yours

Thomas Fralick

Thomas A. Fralick
Cambria Contracting Inc.
On-Site Project Manager

5105 LOCKPORT ROAD – LOCKPORT, NEW YORK 14094
PHONE: 716.625.6690 – 888.655.8880 – FAX: 716.625.6693

Asbestos Project Notification

Project Reference Number:	25764593	Type:	Initial Notification
Status:	Notification Received	Notification Received:	2/12/2010
Payment Status:	Paid in full	Number of amendments:	0
Notification Entered By:	Cambria Contracting, Inc.		

Contractor Information

FEIN:161542768

Cambria Contracting, Inc.

5105 Lockport Road

Lockport NY 14094

Asbestos License Number: 29410

Mailing Address

Duly Authorized Representative

Keith Trosterud, Manager

Phone Number: 716-625-6690

E-mail Address: keith@cambriacontracting.com

Project Information

Project Start Date:	2/22/2010
Project End Date:	4/30/2010
Project Location County:	Monroe

Project Location

Building Name:	B - Foreman
Room or Location:	
Bridge ID#:	
Address Line 1:	140 Cinton Square
Address Line 2:	
City Town or Village:	Rochester
State:	New York
Zip Code:	14604

Building Information

Current Use:	Vacant
Prior Use:	Commercial
Approximate Year Built:	1962
Size(sq.ft):	176000
Is this fee exempt project?:	NO
Reason:	

Building Representative/Site Contact

Name: Robert Kruezer
Phone Number: (716) 882-5476
E-mail Address:
Cell Phone Number:

Phase Details

Phase #	Phase Start Date	Phase End Date	Phase Location	Phase Scope

Sub-Contractor Details

Name:	Asbestos License Number:

Night/Weekend/Shift Work Details

Party for Whom Work is being Performed

First Name:		Last Name:	
Organization:	Upstate Empire State Development Corporation		
Apt./Suite:		Address Line 1:	400 Andrews Street
Address Line 2:		City Town or Village:	Rochester
Province:		State:	NY
Zip Code:	14604	Country:	United States
Contract Dollar Amount:	$34,000,000.00		

Variance Information

Individual Variance Petition Number: 09-0991

Procedures and Type of Equipment and Ventilation Systems Used

Negative Air Filtration Units 2000CFM, Aerospace America H2000A Hepa Vacuum, Pullman Holt 102AS Respirators 1/2 Face Negative, Wilson Chapin MXPF750 Water Pumps, Teel IPS579E Personal Air Pumps, BGI Inc ABC Manometer, Omnigard BS2000 Shower, Abatement Tech S5000T

Air Monitoring Firm

Name:	Asbestos License Number:
Envoy Environmental Consultants, Inc.	28454

Laboratory Performing Analysis

Name:	ELAP Registration Number:
Paradigm Environmental Services, Inc	10958

Type of Asbestos Work

Pipe Related:	Yes	Siding:	No
Clean up:	No	Vessel covering:	No
Caulking/mastic:	Yes	Spray-on insulation:	Yes
Roofing/flashing:	Yes	VAT:	Yes
Demolition:	No	Demolition Ref#:	
Other-specify:			

Waste Transporter

Name:	Riccelli Trucking, Inc
NYS DEC or EPA Permit Number:	7A-434
Phone Number:	(315) 433-5115
Apt./Suite:	
Address Line 1:	P.O. Box 6401
Address Line 2:	
City Town or Village:	Syracuse
Province:	
State:	NY
Zip Code:	13217
Country:	United States

Landfill

Name:	Seneca Meadows, Inc
Phone Number:	(315) 539-5624
Apt./Suite:	
Address Line 1:	1786 Saleman Road
Address Line 2:	
City Town or Village:	Waterloo
Province:	
State:	NY
Zip Code:	13165
Country:	United States

Type and Amount of Asbestos Containing Material

Friable linear feet:	5750	Friable square feet:	74200
Non-friable linear feet:	4900	Non-friable square feet:	92168

Fee

Total linear feet:	10650.0
Total square feet:	166368.0
Total Fee:	4000.0

Project Fee Schedule

If the notification was submitted prior to 4/7/09, the actual project fee is one half of the amount shown on the fee schedule

Linear Feet:	Fee	Square Feet:	Fee
0 - 259 feet:	$0	0 - 159 feet:	$0
260 - 429 feet:	$200	160 - 259 feet:	$200
430 - 824 feet:	$400	260 - 499 feet:	$400
825 - 1649 feet:	$1000	500 - 999 feet:	$1000
1650 or more feet:	$2000	1000 or more feet:	$2000

Remarks

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 2
Division of Enforcement & Compliance Assistance - Air Compliance Branch (DECA-ACB)
290 Broadway - 21st Floor
New York, NY 10007-1866

NOTIFICATION OF DEMOLITION AND RENOVATION

Operator Project #	Postmark	Date Received	Notification

I. TYPE OF NOTIFICATION (O = Original / R = Revised) **R**

II. FACILITY INFORMATION (Identify owner, removal contractor, and other operator)

OWNER:
Upstate Empire State Development Corporation
Address
400 Andrews Street

City	State:	ZIP:
Rochester	**NY**	**14604**
Contact: **Robert Kreuzer**		Tel: **(716) 882-5476**

REMOVAL CONTRACTOR:
Cambria Contracting, Inc.
Address:
5105 Lockport Road

City:	State:	ZIP:
Lockport	**New York**	**14094**
Contact: **William Eichhorn**		Tel: **(716) 625-6690**

OTHER OPERATOR: None

Address:

City:	State:	ZIP:
Contact:		Tel:

III. TYPE OF OPERATION (D = Demolition / R = Renovation) :
R

IV. IS ASBESTOS PRESENT? (Yes/No):
Yes

V. FACILITY DESCRIPTION (include building name, number and floor or room number):

Building Name:
B. Forman
Address:
140 Clinton Square - Midtown Plaza
Address:

City	State:	County:
Rochester	**New York**	**Monroe**

Site Location:

Building Size:	SqMeter:	SqFt:	# of Floors:	Age in Years:
176,000		**X**	**6**	**48**

Present Use:	Prior Use:
Vacant	**Office Building**

VI. PROCEDURE, INCLUDING ANALYTICAL METHOD, IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
TEM (Transmission Electron Microscopy)
PLM (Polarized Light Microscopy)

VII. APPROXIMATE OF RACM TO BE REMOVED AND NON-FRIABLE ASBESTOS MATERIAL THAT WILL NOT BE REMOVED. SPECIFY THE AMOUNT OF ASBESTOS BELOW:

	RACM to be Removed	Non-friable Asbestos Material not to be removed Category I	Category II
Pipes - Linear Feet	**5,750**		
Pipes - Linear Meters			
Surface Area - Square Feet	**74,200**		
Surface Area - Square Meters			
Volume RACM off Facility Component - Cubic Feet			
Volume RACM off Facility Component - Cubic Meters			

VIII. SCHEDULED DATES OF ASBESTOS REMOVAL: (MM/DD/YY) Start: **2/22/2010** Completion: **3/30/2010**

IX. SCHEDULED DATES OF DEMOLITION/RENOVATION: (MM/DD/YY) Start: Completion:

NOTIFICATION OF DEMOLITION AND RENOVATION (continued)

X. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK, AND METHOD(S) TO BE USED:
wet methods

XI. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE DEMOLITION AND RENOVATION SITE:

XII. WASTE TRANSPORTER #1

Name: **Reccelli Trucking, Inc**		
Address: **P.O. Box 6401**		
City: **Syracuse**	State: **New York**	ZIP: **13217**
Contact Person: **Lucille Nicholson**	Telephone: **(315) 433-5115**	

WASTE TRANSPORTER #2

Name **Cambria Contracting, Inc**		
Address: **5105 Lockport Rd**		
City: **Lockport**	State: **New York**	ZIP: **14094**
Contact Person: **William Eichhorn**	Telephone: **(716) 625-6690**	

XIII. WASTE DISPOSAL SITE

Name: **Seneca Meadows, Inc**		
Address: **1786 Saleman Road**		
City: **Waterloo**	State: **NY**	ZIP: **13165**
Telephone: **(315) 539-5624**		

XIV. IF DEMOLITION IS ORDERED BY A GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY BELOW

Name:	Title:
Authority:	
Date if Order (MM/DD/YY):	Date Ordered to Begin (MM/DD/YY) :

XV. FOR EMERGENCY RENOVATIONS

Date and Hour of Emergency (MM/DD/YY):

Description of the Sudden, Unexpected Event:

Explanation of How the Event caused Unsafe Conditions or Serious Disruption of Industrial Operation:

XVI. DESCRIPTION OF PROCEDURE TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO POWDER:
Stop work, abatement following ICR 56 and OSHA

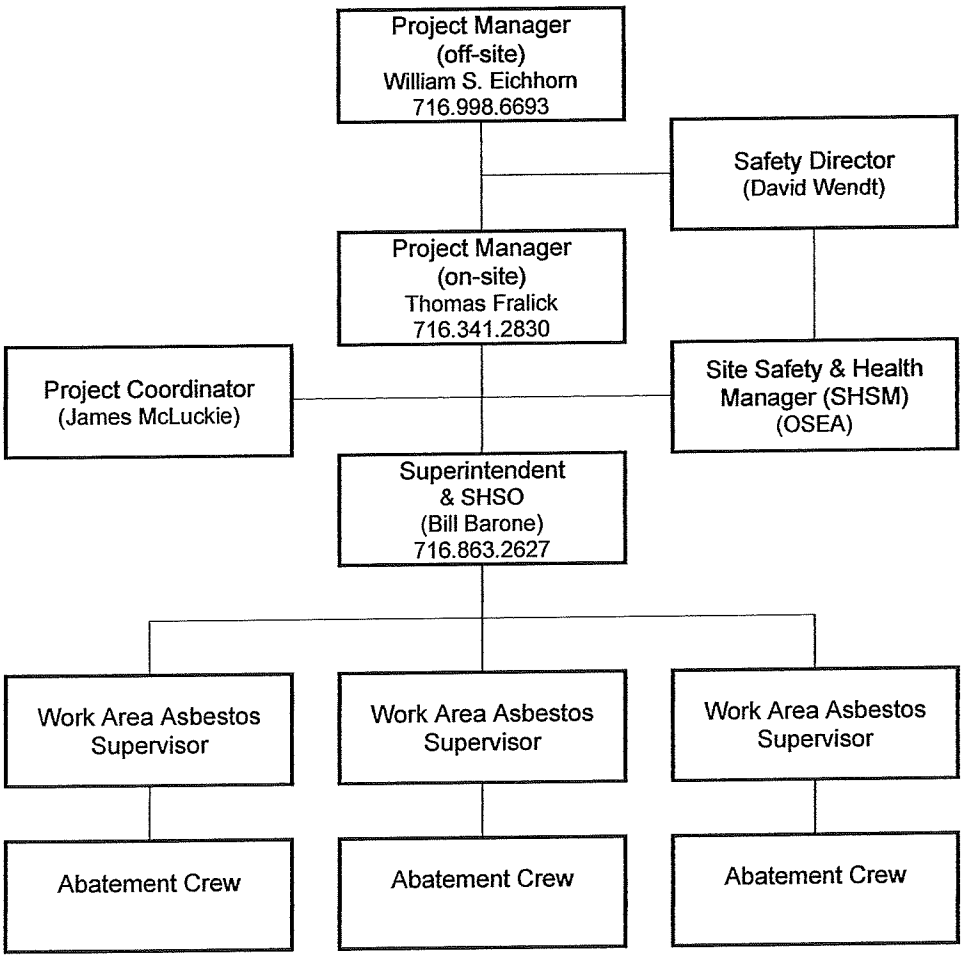
XVII. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF THE REGULATION (40CFR PART 61 SUBPART M) WILL BE ON-SITE DURING THE DEMOLITION OR RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS. (Required 1 year after promulgation).

James D McCredie — 2/12/2010
Signature of Owner/Operator — Date

XVIII. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

James D McCredie — 2/12/2010
Signature of Owner/Operator — Date

6. Organization – Asbestos Abatement, ~~Midtown Tower~~



The organizational chart for asbestos abatement identifies key personnel to be employed for the duration of the work. The Superintendent will be responsible for the work at the site. Work Area Asbestos Supervisors will report directly to the superintendent. The superintendent will have the authority to direct the work and to stop work for any reason. The superintendent will report to the Project Manager.

NOTICE DATE: 2/12/2010

NOTICE OF ASBESTOS ABATEMENT

PROJECT LOCATION:	Midtown Plaza Complex 140 Clinton Square Rochester, New York **B. Forman Building**	
CONTRACTOR:	CAMBRIA CONTRACTING, INC. 5105 LOCKPORT ROAD LOCKPORT, NY 14094 AH# 99-0468	
MATERIAL:	5,400 lf	Pipe Insulation
	1,00 sf	Pipe Insulation Debris
	260 ea	Fittings
	3,700 sf	Duct Insulation
	500 sf	Tar Coated Duct Insulation
	70,300 sf	Ceiling Systems
	70,850 sf	Floor Mastic
	200 sf	Tank Insulation
	3,200 sf	Mirror Mastic
	62 ea	Doors
	8,900 sf	Black Mastic on Drywall
	1,700 sf	Duct / conduit Caulk
	470 ea	Light Fixtures
	41,940 sf	Tar on Perimeter Walls
	33 ea	Windows with ACM
	3 ea	Roll Down Fire Doors
	5,200 sf	Roofing
	4,900 lf	Roof Flashing
	8 ea	Roof Vents
	5 ea	Elevator Components
PROJECT MONITOR:	ENVOY ENVIRONMENTAL CONSULTANTS 57 Ambrose Street Rochester, NY Asb.Lic.# 28454	
LAB:	PARADIGM ENVIRONMENTAL SERVICES 179 Lake Ave, Rochester, NY 14608 E ELAP No. NY10958	
STATING DATE:	2/22/2010	
PROJECTED FINISH:	4/30/2010	

4.0 CONCLUSIONS AND RECOMMENDATIONS

Various types of ACM have been identified in our survey. These materials, reported in Section 3.0 of this report, will require complete abatement in accordance with applicable codes, rules and regulations prior to the start of the proposed demolition activities. The following table summarizes ACM locations, quantities and conditions as of the time of this survey.

Location/Area	Asbestos Containing Material	Approximate Quantity	Condition
Basement	Pipe Insulation	3,500 LF	Poor
	Duct Insulation	2,200 SF	Poor
	Ceiling system	4,800 SF	Poor
	Floor tile/mastic	2,100 SF	Poor
	Fittings on fiberglass pipe insulation	160 each	Poor
	Fire doors	20 each	Fair
	Tank Insulation	200 SF	Poor
	Light fixtures	50 each	Fair
1st Floor	Floor tile/mastic	2,550 SF	Fair
	Light fixtures	70 each	Fair
	Fire doors	10 each	Fair
	Mirror mastic	300 SF	Fair
	Tar on perimeter walls	8,900 SF	Fair
2nd Floor	Pipe Insulation	400 LF	Poor
	Floor tile/mastic	26,600 SF	Fair
	Mirror mastic	1,200 SF	Fair
	Duct Insulation	400 SF	Poor
	Fittings on fiberglass pipe insulation	50 each	Poor
	Fire doors	6 each	Fair
	Ceiling system	32,400	Fair
	Tar on perimeter walls	8,900 SF	Fair

Location/Area	Asbestos Containing Material	Approximate Quantity	Condition
3rd Floor	Ceiling system	27,600 SF	Fair
	Floor tile/mastic	35,500 SF	Poor
	Duct insulation	400 SF	Poor
	Pipe Insulation	1,200 LF	Fair
	Fittings on fiberglass pipe insulation	50 each	Fair
	Mirror mastic	1,000 SF	Fair
	Fire doors	12 each	Fair
	Light fixtures	100 each	Fair
	Tar on perimeter walls	8,900 SF	Fair
4th Floor	Ceiling system	5,500 SF	Fair
	Duct insulation	300 LF	Poor
	Tar coated duct	500 SF	Fair
	Pipe insulation	380 LF	Fair
	Mirror mastic	300 SF	Fair
	Fire doors	6 each	Fair
	Floor tile/mastic	3,800 SF	Fair
	Light fixtures	50 each	Fair
	Tar on perimeter walls	6,600 SF	Fair
5th Floor	Pipe Insulation	10 LF	Fair
	Black mastic on drywall	4,400 SF	Fair
	Duct/conduit caulk	900 SF	Fair
	Windows with ACM caulk	16 each	Fair
	Mirror mastic	200 SF	Fair
	Fire doors	4 each	Fair
	Light fixtures	100 each	Fair
	Tar on perimeter walls	4,320 SF	Fair

Location/Area	Asbestos Containing Material	Approximate Quantity	Condition
6th Floor	Black mastic on drywall	4,500 SF	Fair
	Floor tile/mastic	300 SF	Fair
	Duct/conduit caulk	800 SF	Fair
	Windows with ACM caulk	17 each	Fair
	Mirror mastic	200 SF	Fair
	Fire doors	4 each	Fair
	Light fixtures	100 each	Fair
	Tar on perimeter walls	4,320 SF	Fair
Roof Areas	Roof flashing	4,900 LF	Poor
	Roofing	5,200 SF	Fair
	Roof vents	8 each	Fair
	Elevator components	5 each	Fair

NOTES:

1. Ceiling systems include all materials above the drop ceilings/plaster ceilings including the ceilings themselves and any suspect ACM materials. Ceilings in this building have extensive ACM debris contamination above (See IMG 1706 and 1710). Also, Recessed light fixtures installed in fixed plaster ceilings have asbestos containing paper backing and are to be disposed of accordingly. All materials located above the ceilings should be assumed to be contaminated with ACM.

2. Black mastic applied to drywall panels on the 5th and 6th Floors is asbestos containing. See IMG 1677 and 1679.

3. ACM duct insulation is found above fixed plaster ceiling in 4th Floor areas. This material is delaminating on the ends and in select areas. The associated ceilings should all be treated as contaminated. See IMG 1687 and 1682.

4. Quantities of pipe insulation/fittings reported above only include material in areas not assumed to be directly contaminated by above ceiling contamination. Additional pipe insulation which exists above plaster and suspended ceiling systems identified in the above table shall be abated as part of the associated ceiling system.

5. Energized wire was not sampled for the presence of asbestos in this building. This material should be treated as asbestos containing until proven otherwise through bulk sampling.

6. All mastic applied to mirrors is to be considered asbestos containing. This includes, but is not limited to mirrors installed in restrooms, store showrooms, dressing room areas and elevator lobbies.

7. ACM duct/conduit caulk is applied to seams and penetrations above the suspended ceiling systems on the 5th and 6th floors of this building.

8. Roof vents have been installed with ACM flashing material and rope gaskets. Roof vents, along with their associated caulk and flashing, should be removed as ACM.

Variances

New York State Department of Labor
David A. Paterson, *Governor*
M. Patricia Smith, *Commissioner*

November 25, 2009

56 Services Inc.
PO Box 561
Buffalo NY 14213

RE: File No. 09-0991

Dear Sir/Madam:

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

The attached is a copy of Decision, dated, 11/25/2009, which I have compared with the original filed in this office and which I DO HEREBY CERTIFY to be a correct transcript of the text of the said original.

If you are aggrieved by this decision you may appeal within 60 days from its issuance to the Industrial Board of Appeals as provided by Section 101 of the Labor Law. Your appeal should be addressed to the Industrial Board of Appeals, Empire State Plaza, Agency Building 2, 20th Floor, Albany, New York, 12223 as prescribed by its Rules and Procedure, a copy of which may be obtained upon request.

WITNESS my hand and the seal of the NYS Department of Labor, at the City of Albany, this 25th day of November, Two thousand nine.

Christopher Alonge, P.E.
Associate Safety and Health Engineer
Engineering Services Unit

ES

Phone: (518) 457-1536 Fax: (518) 457-1301
W. Averell Harriman State Office Campus, Bldg. 12, Room 154, Albany, NY 12240
www.labor.state.ny.us

STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

Variance Petition

of

56 Services, Inc.
Petitioner's Agent

On Behalf Of

Cambria Contracting
Petitioner's Agent

On Behalf of

Empire State Development Corporation
Petitioner

in re

Premises: Midtown Plaza – The B. Forman Building
Main/Broad/Euclid Streets
Rochester, New York

Pre-demolition Removal of all Friable and Non-friable ACM

File No. 09-0991

DECISION

Cases 1-8

ICR 56

The Petitioner, pursuant to Section 30 of the Labor Law, having filed Petition No. 09-0991 on October 20, 2009 with the Commissioner of Labor for a variance from the provisions of Industrial Code Rule 56 as hereinafter cited on the grounds that there are practical difficulties or unnecessary hardship in carrying out the provisions of said Rule; and the Commissioner of Labor having reviewed the submission of the petitioner dated October 10, 2009; and

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

Case No. 1	ICR 5.1(h) **limited**
Case No. 2	ICR 56-7.2(o) **limited**
Case No. 3	ICR 56-7.8 (a) (11)
Case No. 4	ICR 56-8.6(b)(1-2)
Case No. 5	ICR 56-8.9(c)(2)
Case No. 6	ICR 56-8.9(e-f)
Case No. 7	ICR 56-9.1(h)
Case No. 8	ICR 56-11.2(b) **limited**

VARIANCE GRANTED. The Petitioner's proposal for pre-demolition removal of all friable and non-friable ACM in quantities and locations as listed by the petitioner, from the interior and exterior at the subject premises in accordance with the attached 11-page stamped copy of the Petitioner's submittal, is accepted; subject to the Conditions noted below:

THE CONDITIONS

1. As written with modifications as noted.

2. Relief from Section 5.1(h) is allowed only for non-ACM mounted/fixed object removal and non-ACM drywall removal that will not disturb ACM, as detailed within the petitioner's attached marked-up submittal.

3. During all phase II asbestos project activities, and preliminary preparatory work at the site, an independent full-time project monitor shall observe all work activities and ensure that no ACM is disturbed during work activities that are not within a negative pressurized containment enclosure. The project monitor shall direct the abatement contractor to cease all non-compliant activities upon discovery, and shall immediately inform the local district of the NYS DOL ACB of the situation by telephone.

4. Whenever internal combustion equipment is in use within the work area containment enclosure, combustion by-products shall be monitored as per current OSHA regulations, and engineering controls shall be established as necessary for adequate protection of all personnel in the work area from these by-products.

5. Any large equipment remaining in the work area, must be moved as necessary during the project monitor visual inspection, to allow all surfaces within the work area to be visually inspected adequately.

6. For discovered areas of ACM disturbance outside of negative pressurized work areas, all large size disturbance cleanup asbestos projects must be appropriately designed and a variance reopening request submitted to address all work area preparation, cleanup and clearance procedures.

7. All reusable tent enclosures shall be disposed of as ACM at the conclusion of the entire asbestos project.

8. Negative pressure ventilation units that cannot be exhausted to the outside of the building or structure shall be directed to an unoccupied, controllable location within the building. This location shall be accessible for the placement of air monitoring equipment as required by the applicable sections of this code. A controllable area shall be defined as an existing, vacant room or an area within a larger space isolated by barrier tape and warning signs. This location shall be adequately sized to accommodate the increase in positive pressure to the area.

9. Air monitoring shall be conducted at each tube. Banking of tubes for air monitoring is not permitted.

10. Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

In addition to the conditions required by the above specific variances, the Petitioner shall also comply with the following general conditions:

GENERAL CONDITIONS

1. A copy of this DECISION and the Petitioner's proposals shall be conspicuously displayed at the entrance to the personal decontamination enclosure.

2. This DECISION shall apply only to the removal of asbestos-containing materials from the aforementioned areas of the subject premises.

3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-12.

4. The NYS Department of Labor Engineering Service Unit retains full authority to interpret this variance for compliance herewith and for compliance with Labor Law Article 30. Any deviation to the conditions leading to this variance shall render this variance Null and Void pursuant to 12NYCRR 56-12.2. Any questions regarding the conditions supporting the need for this variance and/or regarding compliance hereto must be directed to the Engineering Services Unit for clarification.

5. This DECISION shall terminate on November 30, 2010.

Date: November 25, 2009

M. PATRICIA SMITH
COMMISSIONER OF LABOR

By

Christopher Alonge, P.E.
Associate Safety and Health Engineer

PREPARED BY: Edward A. Smith, P.E.
Senior Safety and Health Engineer

REVIEWED BY: Christopher G. Alonge, P.E.
Associate Safety and Health Engineer

Attachments for Variance Petition
MIDTOWN PLAZA – The B. FORMAN Building
Rochester, NY
12 October 2009

9. Reason for Request

The project consists of the removal of ACM located at the Midtown Plaza B. Forman Building. The buildings are part of a major demolition and revitalization project in downtown Rochester, New York. This building was one of the original buildings on this site and through its history and as the Mall complex grew and expanded, had several additions. Included in this petition are abatement plans indicating the work areas.

The contractor has twelve months to complete the project. The aforementioned buildings and adjacent buildings are vacant and are all scheduled for abatement and demolition. Materials and approximate quantities addressed by this petition for variance are as follows:

The B. FORMAN Building - Asbestos Containing Materials:

- Pipe insulation – 5,490 LF
- Pipe insulation debris – 1000 SF
- Fittings on fiberglass – 260 fittings
- Duct insulation – 3,700 SF
- Tar coated duct insulation – 500 SF
- Ceiling systems – 70,300 SF
- Floor tile/mastic – 70,850 SF
- Tank Insulation – 200 SF
- Mirror mastic – 3,200 SF
- Fire doors – 62 doors
- Black mastic on drywall walls – 8,900 SF
- Duct/conduit caulk – 1,700 SF
- Light fixtures – 470 fixtures
- Tar on perimeter walls – 41,940 SF
- Windows with ACM – 33 windows
- Roll down door enclosures – 3 each
- Roofing – 5,200 SF
- Roof flashing – 4,900 LF
- Roof vents – 8 vents
- Elevator components – 5 each

Attachments for Variance Petition
MIDTOWN PLAZA – The B. FORMAN Building
Rochester, NY
12 October 2009

The abatement project of The B. FORMAN Building is being completed as part of a demolition project of a group of buildings that comprise the Midtown Plaza. All buildings are currently unoccupied. The buildings were occupied as late as the end of 2008 and up to that point operations and maintenance programs were implemented and kept up until the closure of the facility. Records of this were kept in facility management offices and were reviewed as part of the survey process.

Because of the previously mentioned O&M program – all material were, for the most part, in good condition at time of inspection. Periodic monitoring of the buildings was performed by building personnel from the inception of asbestos standards and those records were reviewed as part of the survey report. The relief requested in this variance petition, via methods listed here within, are pre-emptive approaches to the discovery of debris above ceiling systems in the event previously unknown debris is discovered during pre-abatement inspections and are not based upon existing conditions. All materials including and above suspended and fixed ceilings, up to and including the decking are currently considered ACM and abatement methods will adhere to NYCRR56. The contractor may implement a contamination assessment to better define work areas. The project has a strict 12-month schedule that must be maintained, and with an approved variance in place with respect to incidental disturbance delays will be alleviated.

Removal of floor tile, mastics and floor leveler/flash patch material will essentially be in accordance with 56-11.4, but the sequencing needs to be incorporated within the context of the other friable ACM removals in the same area(s), along with provisions to utilize powered equipment.

Alternative methods are also required to ensure the safety of abatement personnel performing the work in elevated locations.

Generally, literal compliance with the provisions of 12 NYCRR 56 would present an unnecessary hardship due to practical difficulties in safely accessing and removing the ACM in all of the buildings.

Prior to pre-abatement activities, limited general removal of components will be completed that will not disturb or impact any ACM. Prior to regulated work area prep, below ceiling demolition of non contaminated wall partitions will be performed as well as removal of doors, trim, furniture, cabinets and other non ACM features of this building.

Attachments for Variance Petition
MIDTOWN PLAZA – The B. FORMAN Building
Rochester, NY
12 October 2009

Non-asbestos materials being removed as construction debris will be visually inspected by an on-site project monitor. No materials or wall boards will be disturbed at or above the ceiling systems. No ACM will be disturbed as part of the general removals.

Walkways to adjacent buildings noted in the most recent survey are no longer functional and are demarcated with barrier tape and proper signage. Air samples will be taken at this barrier location as per NY CRR56.

The specific reasons for requesting relief from the previously cited sections of 12 NYCRR 56 is as follows:

56-7.2 (o) Ventilation for Power Tools – Relief from the section is primarily a clarification of the applicability of the ventilation requirement to "powered" equipment that is not used to saw, cut, grind or abrade ACM.

56-7.11 (b) Isolation Barriers – Due to open expanses of department store floors, relief is requested from installation of hardwalls between building addition borders within the building– which will also define smaller unique work areas within the whole floor containment work area (please note enclosed abatement work plans). The entire building will have access limited to only licensed asbestos workers.

56-7.8 (a) (11) Negative Air Pressure Equipment – Exhaust location – Because of the large work area size and smaller enclosed work areas within the larger controlled work area and lack of windows for exhaust locations, need for lengths of exhaust duct is requested, as per AV-A-2 as well as applicable locations for exhaust duct locations. In certain areas we will exhaust the ducts to a stairwell, which will be exhausted via the roof.

56-8.6 (b) (1) Initial Plasticizing – Because this work involves numerous types and applications of ACM and non-ACM building materials, clarification is requested that the sequencing of removals is consistent with the spirit and intent of 56-8.6.

56-8.6 (b) (2) Sequential Removal – Because this work involves numerous types and applications of ACM and non-ACM building materials, clarification is requested that the sequencing of removals is consistent with the spirit and intent of 56-8.6.

56-8.9 (c) (2) Additional Containerization – Much of the waste from this project may be containerized in suitable DOT-specified non-porous rigid containers (e.g. drums, cubic yard boxes, etc.) lined with two (2) layers of 6 mil poly and sealed airtight. Relief is requested in that the specific description of "additional containerization" may be unfeasible for this type of handling. Additionally, non-porous cleanable salvage items may be cleaned and removed from the area without containerization.

56-8.9 (e) Cart Usage and Cleaning – Handling of large rigid containers, as noted above, does not feasibly permit cart use as described in this section. Given that the

container itself serves the intended function of isolating and protecting the bagged/wrapped waste, use of a separate cart would be unnecessary.

56-8.9 (f) Holding Carts – Same as previous.

56-9.1 (h) Decontamination of Tools & Equipment – Certain large equipment items may not be feasibly processed through a waste decontamination system. In lieu of this, an alternative decontamination methodology is proposed.

56-11.2 (b) Emergency Procedures – The petitioner believes that the alternate methods described in the request will ensure that the spirit of ICR 56 will be observed, and the health and safety of the workers will not be compromised. If ACM debris (greater than or equal to a large project size) is encountered during the asbestos project outside of negative pressurized work areas, large project cleanup activities will be appropriately designed and a variance re-opening request will be submitted and approved to address all work area preparation, cleanup and clearance procedures.

Proposal

As an alternative to literal compliance with the aforecited Sections of 12 NYCRR 56, the following procedures will preserve the spirit and intent of the regulation by ensuring safety of abatement personnel and the public:

General

- No dry removal or disturbance will be permitted. Non-hygroscopic materials will be misted with amended water before, during and after removal. Friable material will be saturated.

- Work will comply with all other applicable Sections of 12 NYCRR 56, USEPA and OSHA requirements.

- A copy of the Commissioner's decision will be conspicuously posted at the entrance to the personal decontamination enclosure.

Equipment Clarifications

The following are examples of "powered" tools that would require HEPA-filtered exhaust ventilation, as described in 56-7.2 (o), when utilized in a regulated abatement work area to remove or disturb ACM:

- Reciprocating blade saws (e.g. sawzalls)
- Rotary blade saws
- Abrasive disk grinders
- Powered sanders
- Abrasive media blast equipment (e.g. shot blasters)
- Floor scarifiers

The following are examples of "powered" tools that would not require HEPA-filtered exhaust ventilation, as described in 56-7.2 (o), when utilized in a regulated abatement work area:

- Hand held power assisted Pneumatic / electric scrapers used for gross removal (shearing) of fireproofing will use continual wetting of friable ACM material.
- All combustion by-products of powered material handling equipment (i.e. fork truck, skid steer, mini-loader, etc.) will be monitored as per current OSHA regulations and control established as necessary for adequate protection of personnel in work area.

Sequencing of Work Area Preparation and Removals

- The work area(s) will be vacated and demarcated utilizing barrier tape and proper signage.
- Attached personal and waste decontamination system enclosures will be constructed in accordance with 56-7.5.
- Critical barriers shall be installed within the work areas over openings, air receptors, operable windows, etc. Where necessary, these barriers will also be mechanically fastened and/or supported. Openings 2" or less in any dimension may be sealed airtight using any effective combination of poly sheeting, tape and/or expanding spray foam.

- Uncontaminated walls that are to remain within the work area will be plasticized with 1 layer of flame retardant 6 mil poly sheeting sealed with glue and tape. Contaminated surfaces and/or components to be demolished will not be plasticized and will instead be removed as contaminated waste or, if non-porous and fully cleanable, cleaned as part of the abatement process.
- Negative air pressure will be established to provide and minimum of eight (8) air changes per hour and -0.02 column inches of water pressure differential relative to pressure outside of the regulated abatement work area. Controlled stairwells will be used to exhaust negative air machines to roof level adhering to 56-7.8 (11) and including conditions and relief granted by AV-A-2.
- After establishing the negative pressure regulated abatement work area, remaining partition wall will be removed above the ceiling line to the decking. Non-porous partition components may be cleaned and salvaged as scrap.
- After removal of uncontaminated wall partitions, carpet will be HEPA-vacuumed, removed and disposed of as demolition debris.
- After carpet removal is complete, non-ACM floors throughout the work area will be plasticized either with 1 layer of 6 mil flame retardant poly sheeting or fire-retardant spray plastic if necessary, as set forth in 56-7.11.
- No ACM will be disturbed during the above listed activities. Activities will be observed by a full-time independent project monitor.
- After the floors are plasticized (if necessary), suspended lay-in type acoustical ceiling systems will be removed and disposed of.
- Plaster, masonry and/or sheetrock walls and column wraps that obstruct ACM or contaminated areas will be demolished. Contaminated debris from this process will be containerized and disposed of as regulated friable asbestos waste.
- Mechanical, electrical and plumbing ("MEP") systems that are specified for demolition will be removed. These components, if non-porous, may be cleaned and salvaged. Other materials (e.g. fiberglass insulation) will be containerized and disposed of as regulated friable asbestos waste.
- After ceiling, wall and MEP removals are complete, remaining ACM and contaminated materials will be removed and disposed of as regulated friable asbestos waste.

- Remaining ACM and contaminated materials will be removed and disposed of as regulated asbestos waste. All materials will have been removed at this point leaving only ACM flooring and mastic. All surfaces will be cleaned (wet methods and HEPA vacuuming) followed by satisfactory project monitor visual inspection.
- VAT will be removed and disposed as non-friable asbestos containing waste by applicable legal methods.
- ACM mastic beneath the tile will be removed by a combination of shot-blasted and/or solvent cleaning. Mastic removal waste will be containerized and disposed of as regulated friable asbestos waste.
- Remaining abatement substrates and other work area surfaces will be cleaned by a combination of HEPA-vacuuming, wet wiping and pressure washing as per 56-9.1(e).
- Subsequent to final cleaning, drying periods, inspections and clearance sampling will be conducted in accordance with 12 NYCRR 56.
- Upon receipt of final clearance results, the isolation barriers and decontamination system enclosures will be removed.

Containerization and Handling

- Regulated friable asbestos waste that is double-bagged will be decontaminated and transported in covered carts in a manner consistent with 56-8.9. This material will be transported and stored consistent with 56-8.9(g).
- Regulated friable asbestos waste within rigid waste containers (e.g. drums or cubic yard "Gaylord" boxes) will be sealed airtight with two layers of 6 mil poly sheeting. The regulated container will then be taken to the waste decontamination system enclosure and thoroughly cleaned by wet wiping and HEPA-vacuuming. One pallet jack will be used on the abatement side and another will be used on the clean side to allow movement of the large containers through the waste out. The cleaned containers will then be taken from the waste decon to a secure storage area in the building then transferred to lockable storage area using pallet jacks, fork trucks or the like and will be live-loaded when a trailer is available.

Large Equipment Decontamination

- Material handling equipment (e.g. skidsteers), scissor lifts and other equipment that will not be brought out via the waste decontamination enclosure will be covered, as practical, with 6 mil flame-retardant poly sheeting or spray poly to minimize contact with ACM debris.
- Prior to inspection and clearance sampling, protective plastic will be removed and this equipment will be thoroughly cleaned by HEPA-vacuuming, wet wiping and/or pressure washing.
- Equipment air filters, where present, will be removed and disposed of as friable ACM-contaminated waste.
- This equipment will be left within the regulated abatement work area and subjected to final cleaning, inspection and clearance sampling, then removed after final clearance.

Incidental Disturbance

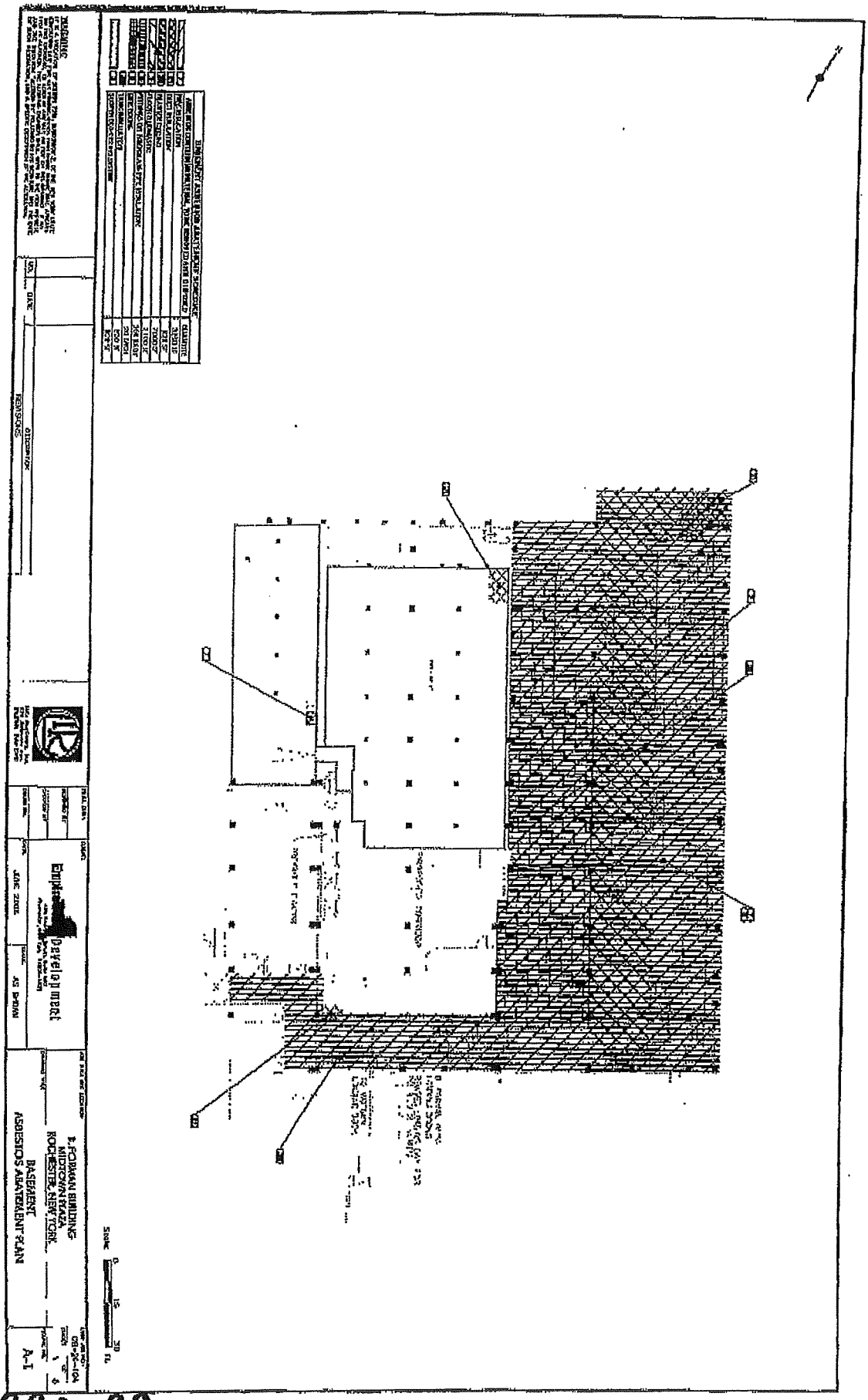
- Because of the expedited abatement schedule on this project and unforeseen conditions that may exist, the following procedure is proposed with regards to incidental disturbance of ACM. All asbestos containing materials are intended to be removed prior to demolition. The following procedure will be used in the event ACM debris is discovered.

For debris discovered within negative pressure work area:

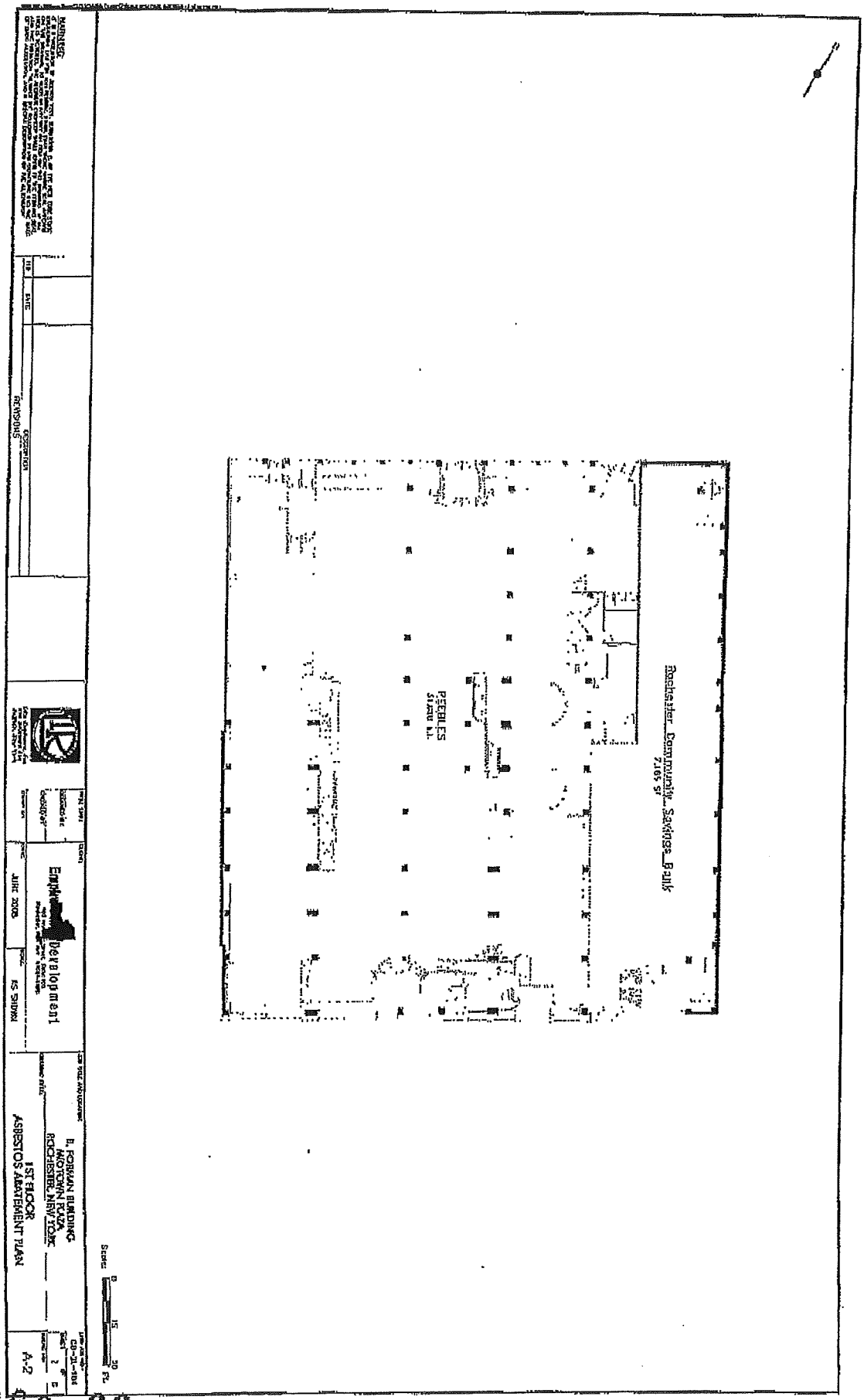
- The area of disturbance will remain secured and posted to prevent unauthorized entry for 10' around the incidence.
- Workers will don two sets of disposable coveralls.
- In controlled work areas, asbestos debris will be wetted, removed and placed directly into a disposal bag.
- The work area will be HEPA-vacuumed.
- Asbestos contaminated gross debris that is removed by hand shall be immediately placed into asbestos bags or wrapped in poly and then taken for disposal.

For debris (minor or small size) discovered outside of negative pressure work areas:

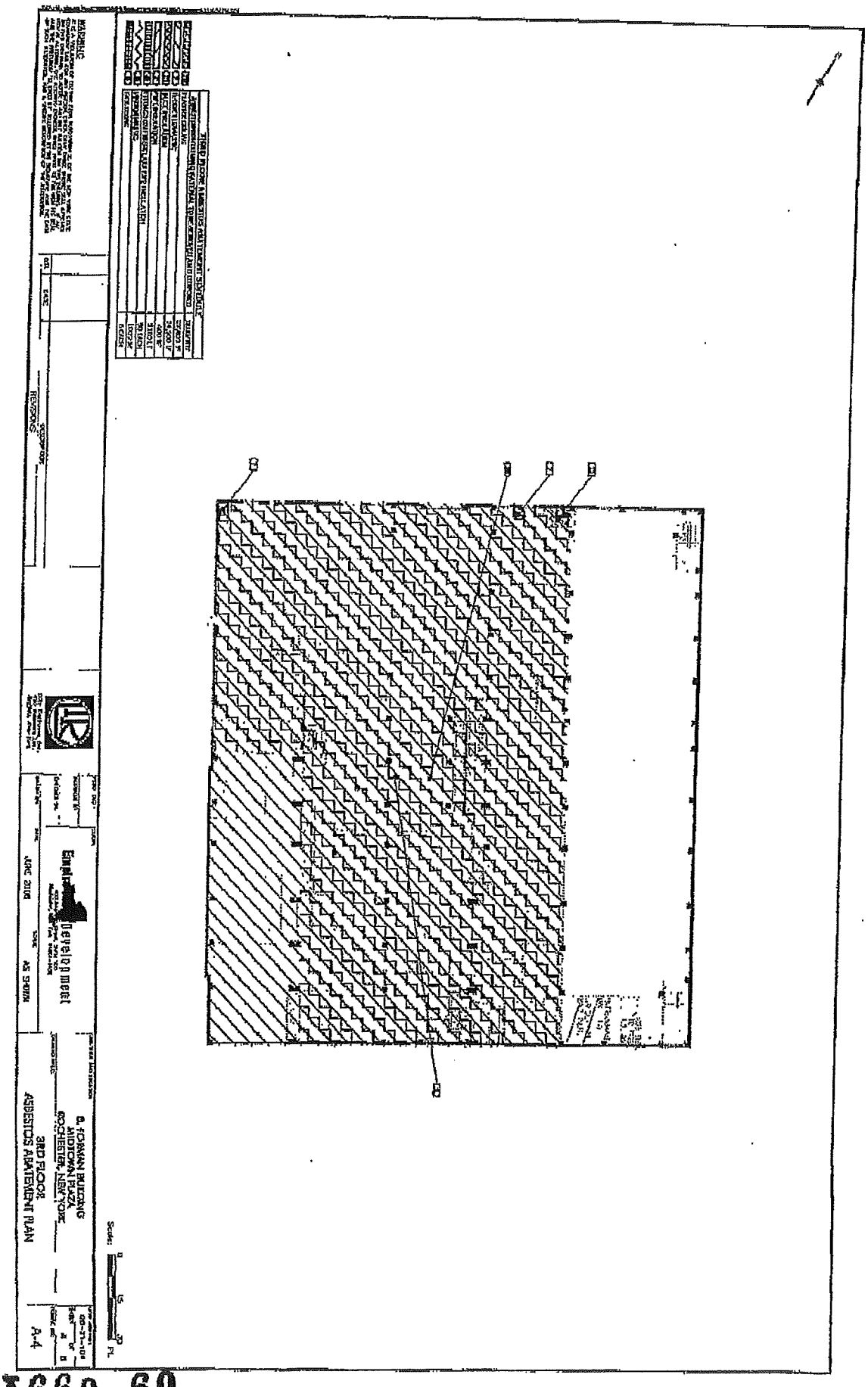
MAIN STREET EAST
EAST AVENUE
EUCLID STREET
ATLAS STREET
ELM STREET
BROAD STREET
CLINTON AVENUE SOUTH
property line
FLEET BANK
ROCHESTER COMMUNITY SAVINGS BANK
SEARS BUILDING
McCURDY'S OFFICE BUILDING & RETAIL SHOPS
SHOPS
MIDTOWN TOWER
GLENHAM OFFICE BUILDING & RETAIL SHOPS
CHASE MANHATTAN TOWER & PLAZA
CLINTON SQUARE
BAUSCH & LOMB BUILDING
MIDTOWN MALL
MIDTOWN PLAZA
ROCHESTER, NEW YORK
MIDTOWN MALL
SITE PLAN
Scale
Ft.
N

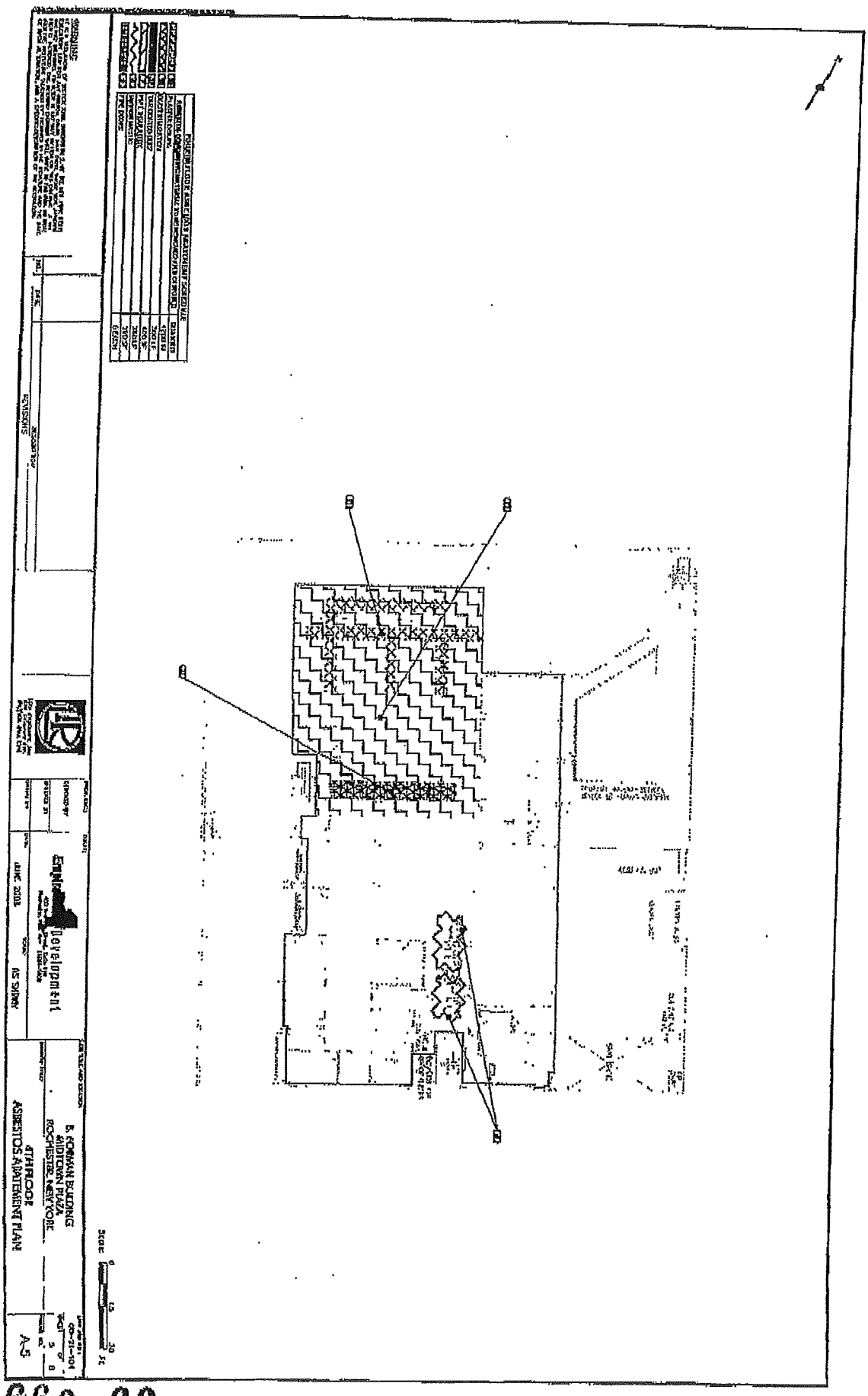

E. FORMAN BUILDING
ROCHESTER, NEW YORK
BASEMENT
ASBESTOS ABATEMENT PLAN
A-1

T660 60

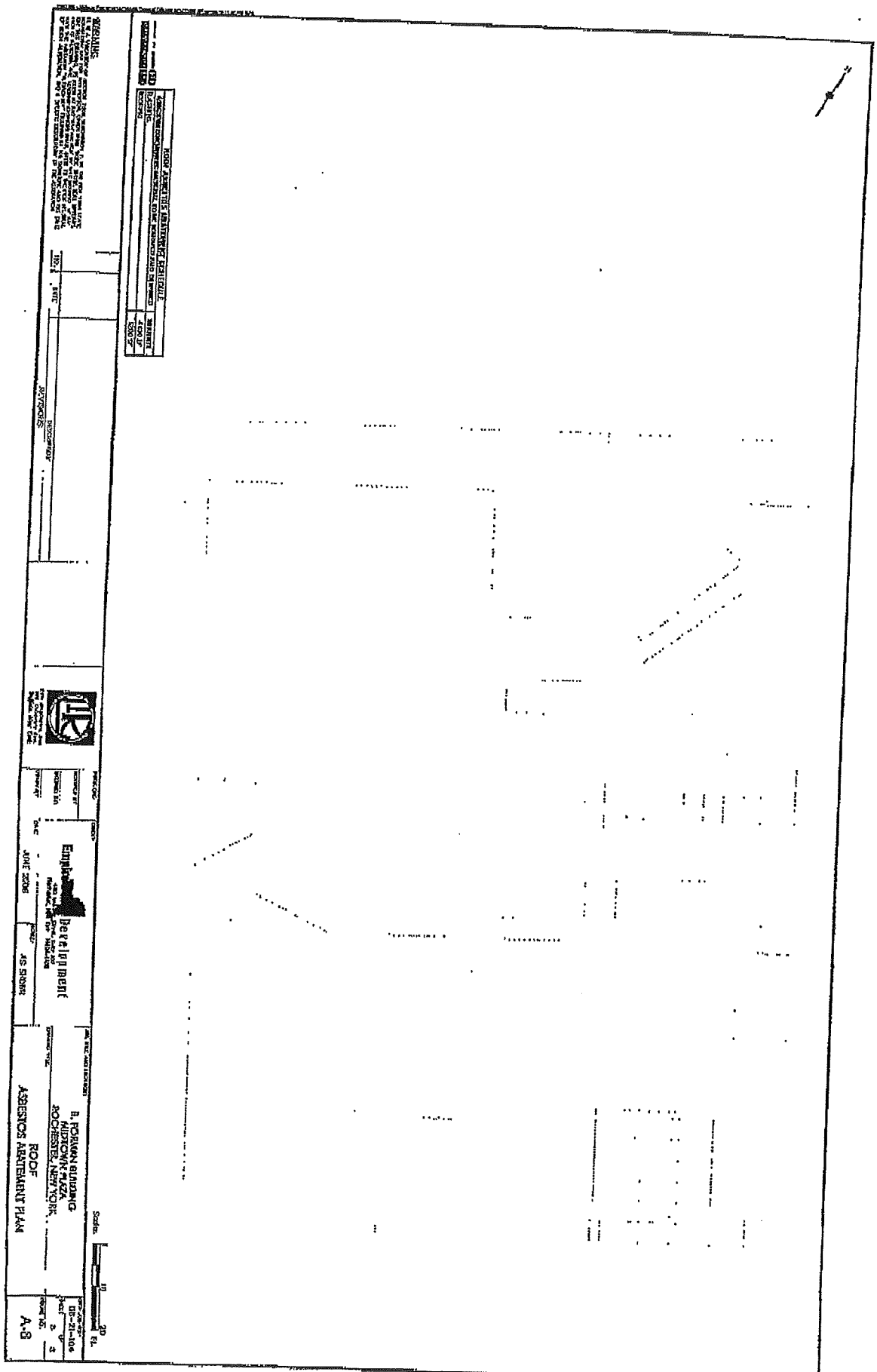

Rochester Community Savings Bank
7,165 sf
PEEBLES
SEARS
Empire State Development
JUNE 2009
AS SHOWN
B. FORMAN BUILDING
140 TOWN RD
ROCHESTER, NEW YORK
1ST FLOOR
ASBESTOS ABATEMENT PLAN
A-2
Scale: 0 15 30 Ft.

1660 60


3RD FLOOR ASBESTOS ABATEMENT PLAN
A-4


Development
5 STORY
JUNE 2009
5. KOMMAN BUILDING
4 MIDTOWN PLAZA
ROCHESTER, NEW YORK
6TH FLOOR
ASBESTOS APARTMENT PLAN
A-5
SCALE

T660 60



T660 60

Daily Air Logs, Project Monitor Logs, Maps and FVI

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/10 R3

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ Schermann Date: 3/30/10 Job Ticket #: 36982

Building / Location: B. Forman Work Area: 2nd Floor Shift (A) B C

Project Description
ESDC

Client / Owner (Print Name): ESDC
Client / Owner Representative (Print Name): Mark Smith
Client Contact (Print Name):

Abatement Contractor (Print Name): Cambria
Abatement Supervisor (Print Name): Mark D
NYSDOL Asbestos Handling Certificate Number:

Map Completed: Yes ☒ No ☐
Rotometer Number: 31
Date of Last Calibration:

Project Phase: Phase IB ☒ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☒; Large ☒; Small ☐; Minor ☐

Type of Material: Sq/ft Ln/ft Project with multiple removals ☒

Time of air sampling pump check:
1st Check 0530 2nd Check 0630 3rd Check 4th Check 5th Check

Notes

Set pumps at 0530 cal. to 10 LPM all running normal.

Collected samples and delivered to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

57 Ambrose Street • Rochester, New York 14608 • 585.454.1060 • fax 585.454.1062

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Lab Job # 4463-10
09/1083

Job Ticket # 36982

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4463-10

Empire State Development Corporation

Client		Client Contact	Client Contact Phone
D. Forman	2nd Floor	Mark Smith	
Building/Location	**Work Area**	**Air Technician**	**Air Technician Phone**
Cambria	Mark D	Scheuermann	202-0157
Contractor	**Contractor Contact**	**Fax Results To:**	**Fax #**
31			
Rotometer #	**Cassette Lot #**	**Materials to be Removed**	

Project Phase

△ **Phase IB** ☒ Backgorunds

□ **Phase IIA** ☐ Work Area Preparation

⬆ **Phase IIB** ☐ Asbestos Handling

⬆ **Phase IIC** ☐ Final Cleaning

○ **Phase IIC** ☐ Clearance Airs

✳ **Env.** ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I1	I2	I3	I4	I5	06	07	08	09	010	B1	B2
Pre-Calibrated Flow Rate	10	10	10	10	10	10	10	10	10	10		
Post-Calibrated Flow Rate	10	10	10	10	10	10	10	10	10	10		
Average Flow Rate	10	10	10	10	10	10	10	10	10	10		
Start Time Military Time	0530	0531	0532	0533	0534	0539	0540	0541	0542	0543		
End Time Military Time	0630	0631	0632	0633	0634	0639	0650	0651	0652	0653		
Duration (Minutes)	60	60	60	60	60	60	60	60	60	60		
Sample Volume (Liters)	600	600	600	600	600	600	600	600	600	600		

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	31600	601	602	603	604	605	606	607	608	609	610	611
Fibers/100 Fields:	0.5	1	2	1	1.5	0.5	0.5	1	0.5	1	0	0
Fibers/cc:	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	NA	NA

Samples Relinquished By:	**Date:** 3/30/10
Received in Lab By:	**Date:**
Analyzed By:	**Date:** 4-1-10
Microscope Make, Model & #: 22113	**Turn-around Time** Immed. 24 Hr. (48 Hr.)

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/10Y3

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐ / Air Technician: ☐ Schneerman Date: 3/31/10 Job Ticket #: 3698Z

Building / Location: B. Forman Work Area: 2nd Floor Shift (A) B C

Project Description

ESR Mark Smith

Client / Owner (Print Name) Client / Owner Representative (Print Name) Client Contact (Print Name)

Cambria Mark D.

Abatement Contractor (Print Name) Abatement Supervisor (Print Name) NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐

Map Completed Rotometer Number Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☒ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☒; Large ☒; Small ☐; Minor ☐

Type of Material Sq/ft Ln/ft Project with multiple removals ☒

1st Check 0600 2nd Check 0945 3rd Check 1315 4th Check 1545 5th Check 1745

Time of air sampling pump check

Notes

Set pumps at 0800 cal. to 3 LPM all running normal.

Check pumps at 0945 all running normal.

Check pumps at 1315 all running normal.

Check pumps at 1545 all running normal.

Collected pumps at 1745 and delivered to Lab

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Lab Job # 27310
09/1083

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Job Ticket # 36982A

Empire State Development Corporation — Client

Mark Smith — Client Contact

Client Contact Phone

B. Forman — Building/Location

2nd Floor — Work Area

Scheuermann 202-0157 — Air Technician / Air Technician Phone

Cambria — Contractor

Mark D. — Contractor Contact

Fax Results To: — Fax #

31 — Rotometer #

Cassette Lot #

Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☑ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✻ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	B1	B2					
Pre-Calibrated Flow Rate	3	3	3	3	3							
Post-Calibrated Flow Rate	3	3	3	3	3							
Average Flow Rate	3	3	3	3	3							
Start Time Military Time	0800	0602	0805	0809	0811							
End Time Military Time	1745	1747	1752	1759	1801							
Duration (Minutes)	585	585	585	585	585							
Sample Volume (Liters)	1755	1755	1755	1755	1755							

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — ELAP ID # 10958

Lab Sample #	1	2	3	4	5	6	7					
Fibers/100 Fields:	OL	OL	11	OL	7	0	0					
Fibers/cc:	<		0.003		0.002							

Samples Relinquished By:	Date: 3/31/10
Received in Lab By: M Smith	Date: 4/1/10
Analyzed By: M Smith	Date: 4/1/10
Microscope Make, Model & #: CH-2 OLY	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐ / Air Technician: ☒ Scheuermann — Date: 4/1/10 — Job Ticket #: 36835

Building / Location: B. Forman — Work Area: 2nd Floor — Shift (A) B C

Project Description: EDC

Client / Owner (Print Name): Mark Smith

Client / Owner Representative (Print Name):

Client Contact (Print Name):

Abatement Contractor (Print Name): Cambria

Abatement Supervisor (Print Name): Mark D.

NYSDOL Asbestos Handling Certificate Number:

Map Completed: Yes ☒ No ☐

Rotometer Number:

Date of Last Calibration:

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☒ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☒; Large ☐; Small ☐; Minor ☐

Type of Material: Sq/ft Ln/ft — Project with multiple removals ☒

Time of air sampling pump check: 1st Check 0800 — 2nd Check 0930 — 3rd Check 1230 — 4th Check 1430 — 5th Check 1815

Notes

Set pumps at 0800 Cal. to 3 LPM all running normal.

Check pumps at 0930 all running normal.

Check pumps at 1230 all running normal.

Check pumps at 1430 all running normal.

Collected samples at 1815 and delivered to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

57 Ambrose Street • Rochester, New York 14608 • 585.454.1060 • fax 585.454.1062

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Lab Job # 456370
09/1083

Job Ticket # 36835

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Empire State Development Corporation

Client: B. Forman	Work Area: 2nd floor
Building/Location: Cambria	Contractor Contact: Mark D
Contractor: 31	Cassette Lot #
Rotometer #	

Mark Smith

Client Contact: Scheuermann	Client Contact Phone: 202-0157
Air Technician	Air Technician Phone
Fax Results To:	Fax #
Materials to be Removed	

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☒ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	B1	B2					
Pre-Calibrated Flow Rate	3	3	3	3	3							
Post-Calibrated Flow Rate	3	3	3	3	3							
Average Flow Rate	3	3	3	3	3							
Start Time Military Time	0800	0802	0804	0807	0810							
End Time Military Time	1815	1817	1819	1822	1825							
Duration (Minutes)	615	615	615	615	615							
Sample Volume (Liters)	1845	1845	1845	1845	1845							

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	32 292	293	294	295	2910	297	298					
Fibers/100 Fields:	12	15	5	19	4	0	0					
Fibers/cc:	<0.01	<0.01	<0.01	<0.01	<0.01							

Samples Relinquished By:	Date: 4/1/10
Received in Lab By: M Goldgeudner	Date: 4/5/10
Analyzed By: D	Date: 4.5.10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☒
Air Technician: ☒ Jarrod Miller

Date: 4/6/10

Job Ticket #: 40108

Building / Location: B-Freeman

Work Area: 2nd Floor

Shift (A) B C

Project Description

ESDC
Client / Owner (Print Name)

Client / Owner Representative (Print Name)

Mark S
Client Contact (Print Name)

Cambria
Abatement Contractor (Print Name)

Mark
Abatement Supervisor (Print Name)

NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐
Map Completed

106
Rotometer Number

2/3/10
Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☒ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☐; Large ☒; Small ☐; Minor ☐

Type of Material: Sq/ft Ln/ft Project with multiple removals ☐

1st Check 0745 2nd Check 3rd Check 4th Check 5th Check 1700
Time of air sampling pump check

Notes

On site @ 0700

Cal/Setup samples at 0745 - All at 3 LPM

Checked Pumps throughout the day - All okay

Re-Cal/Break down samples at 1900 - All still at 3 LPM

Samples to the lab

Jarrod M
Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Lab Job # 4704-10

Asbestos Air Monitoring
Chain of Custody

Job Ticket # 40108 SM 4/6-10

Meets NYCRR 56 amended January 11, 2006

4704-10

Empire State Development Corporation

Client: B-Foreman	Client Contact: Mark S.
Building/Location: 2nd Floor	Client Contact Phone: J. Miner 313-9801
Work Area: Cambria	Air Technician: Mark
Air Technician Phone:	Contractor:
Contractor Contact:	Fax Results To:
Fax #:	Rotometer #: 106
Cassette Lot #:	Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☒ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✲ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	0-6	0-7	0-8	0-9	0-10		B-1	B-2				
Pre-Calibrated Flow Rate	3	3	3	3	3							
Post-Calibrated Flow Rate	3	3	3	3	3							
Average Flow Rate	3	3	3	3	3							
Start Time Military Time	1750	0751	0752	0753	0745							
End Time Military Time	1705	1706	1707	1708	1700							
Duration (Minutes)	555	555	555	555	555							
Sample Volume (Liters)	1665	1665	1665	1665	1665							

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	33 349	350	351	352	3		354	355				
Fibers/100 Fields:	9	15.5	23	1	1.5		0	0				
Fibers/cc:	<.01	<.01	<.01	<.01	<.01		NA	NA				

Samples Relinquished By: J. Miner	Date: 4/6/10
Received in Lab By: SM	Date: 4-6-10
Analyzed By: db	Date: 4-7-10
Microscope Make, Model & #: 221113	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/10X3

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ Scheuermann

Date: 4/7/10

Job Ticket #: 40074

Building / Location: b Foreman

Work Area: 2nd Floor

Shift (A) B C

Project Description: ESDC

Client / Owner (Print Name): Cambria

Client / Owner Representative (Print Name): Mark Smith

Client Contact (Print Name):

Abatement Contractor (Print Name): Mark D.

Abatement Supervisor (Print Name):

NYSDOL Asbestos Handling Certificate Number:

Map Completed: Yes ☒ No ☐

Rotometer Number: 31

Date of Last Calibration:

Project Phase	Phase IB ☐ Backgrounds	Phase IIA ☐ Work Preparation samples	Phase IIB ☒ Asbestos Handling Samples	Phase IIC ☐ Final Cleaning Samples	Phase IIC ☐ Clearance Air Samples
Job Type	Class I ☒	Class II ☒	Large ☒	Small ☐	Minor ☐

Sq/ft Ln/ft Project with multiple removals ☒

Type of Material

Time of air sampling pump check: 1st Check 0800 2nd Check 0905 3rd Check 1230 4th Check 1345 5th Check 1800

Notes

Set pumps at 0800 Cal. to 3LPM all running normal.

Check pumps at 0905 all running normal.

Check pumps at 1230 all running normal.

Check pumps at 1345 all running normal.

Collected Samples at 1800 and delived to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Lab Job # 4819-10

09/1083

Job Ticket # 40074

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4819-10 Pg. 1 of 2

Empire State Development Corporation — *Client*

Mark Smith — *Client Contact* / *Client Contact Phone*

B. Forman — *Building/Location*: 2nd floor — *Work Area*

Scheuermann 202-0157 — *Air Technician* / *Air Technician Phone*

Cambria — *Contractor*: Mark D. — *Contractor Contact*

Fax Results To: / *Fax #*

31 — *Rotometer #*: *Cassette Lot #*

Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☒ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	011	012	013	014	015	016	017
Pre-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Post-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Average Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Start Time Military Time	0800	0802	0804	0806	0820	0810	0811	0812	0813	0814	0815	0816
End Time Military Time	1800	1802	1804	1806	1820	1810	1811	1812	1813	1814	1815	1816
Duration (Minutes)	600	600	600	600	600	600	600	600	600	600	600	600
Sample Volume (Liters)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — *ELAP ID # 10958*

Lab Sample #	34032	033	034	035	036	037	038	039	040	041	042	043
Fibers/100 Fields:	Over-loaded	12	Over-loaded	Over-loaded	10	3.5	5	8	6.5	4	2.5	3
Fibers/cc:	N/A	<0.01	N/A	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Samples Relinquished By:	*Date:* 4/7/10
Received in Lab By:	*Date:* 4-8-10 (EE @ 4-8-10)
Analyzed By:	*Date:* 4.9.10
Microscope Make, Model & #: 235757	*Turn-around Time* Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

2 of 2

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

pg. 2 of 2

Lab Job # 4819-10

09/1583

Job Ticket # 40074

Asbestos Air Monitoring

Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4819-10 pg. 2 of 2

Empire State Development Corporation

Client		Client Contact	Client Contact Phone
B. Forman	2nd floor	Mark Smith Scheuermann	202-0157
Building/Location	**Work Area**	**Air Technician**	**Air Technician Phone**
Cambria	Mark D.		
Contractor	**Contractor Contact**	**Fax Results To:**	**Fax #**
31			
Rotometer #	**Cassette Lot #**	**Materials to be Removed**	

Project Phase

△ **Phase IB** ☐ Backgorunds

☐ **Phase IIA** ☐ Work Area Preparation

⬆ **Phase IIB** ☑ Asbestos Handling

⬆ **Phase IIC** ☐ Final Cleaning

○ **Phase IIC** ☐ Clearance Airs

✳ **Env.** ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	018	019	020	B1	B2							
Pre-Calibrated Flow Rate	3	3	3									
Post-Calibrated Flow Rate	3	3	3									
Average Flow Rate	3	3	3									
Start Time Military Time	0817	0818	0819									
End Time Military Time	1817	1818	1819									
Duration (Minutes)	600	600	600									
Sample Volume (Liters)	1800	1800	1800									

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	044	045	046	047	048							
Fibers/100 Fields:	7.5	4	2	9	9							
Fibers/cc:	<0.01	<0.01	<0.01	N/A	N/A							

Samples Relinquished By:	**Date:** 4/7/10
Received in Lab By:	**Date:** 4-8-10
Analyzed By:	**Date:** 4.9.10
Microscope Make, Model & #: 235757	**Turn-around Time** Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☑ Scheuermann

Date: 4/8/10

Job Ticket #: 40083

Building / Location: N. Forman

Work Area: 2nd Floor

Shift (A) B C

Project Description: ESDC

Client / Owner (Print Name): Mark Smith

Client / Owner Representative (Print Name):

Client Contact (Print Name):

Abatement Contractor (Print Name): Cambria

Abatement Supervisor (Print Name): Mark D.

NYSDOL Asbestos Handling Certificate Number:

Map Completed: Yes ☒ No ☐

Rotometer Number: 31

Date of Last Calibration:

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☒ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☒; Large ☒; Small ☐; Minor ☐

Type of Material: Sq/ft Ln/ft

Project with multiple removals ☒

Time of air sampling pump check:
1st Check 0745 2nd Check 0915 3rd Check 1245 4th Check 1345 5th Check 1500

Notes

Set pumps at 745 cal. to 3LPM, all running normal.

Check pumps at 915 all running normal

Check pumps at 1245 all running normal

Check pumps at 1345 all running normal

Collected samples at 1500 and delivered to lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

1 of 2

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

pg. 1 of 2

Lab Job # 4820-10

09/1083

Job Ticket # 40083

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Empire State Development Corporation — Client

Mark Smith — Client Contact — Client Contact Phone

B. Forman — 2nd Floor — Building/Location — Work Area

Silvermans 202-0157 — Air Technician — Air Technician Phone

Cambria — Mark D. — Contractor — Contractor Contact

Fax Results To: — Fax #

31 — Rotometer # — Cassette Lot #

Materials to be Removed

Project Phase

△ Phase IB ☐	□ Phase IIA ☐	⬆ Phase IIB ☒	⬆ Phase IIC ☐	○ Phase IIC ☐	✳ Env. ☐
Backgorunds	Work Area Preparation	Asbestos Handling	Final Cleaning	Clearance Airs	

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	011	012	013	014	015	016	017
Pre-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Post-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Average Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Start Time Military Time	0756	0800	0758	0801	0759	0745	0746	0747	0748	0749	0750	0751
End Time Military Time	1426	1830	1826	1831	1829	1815	1816	1817	1818	1819	1820	1821
Duration (Minutes)	630	630	630	630	630	630	630	630	630	630	630	630
Sample Volume (Liters)	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — ELAP ID # 10958

Lab Sample #	34049	050	051	052	053	054	055	056	057	058	059	060
Fibers/100 Fields:	9	13	Over-loaded	15	7	4.5	5	9	11	4	3	8.5
Fibers/cc:	<0.01	<0.01	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Samples Relinquished By:	Date:
Received in Lab By:	Date: 4-8-10
Analyzed By:	Date: 4.9.10
Microscope Make, Model & #: 235757	Turn-around Time Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

Pg 1 of 2 4820-10

2 of 2

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

pg. 2 of 2

Lab Job # 4820-10

09/0883

Job Ticket # 40083

Asbestos Air Monitoring

Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4820-10 Pg. 2 of 2

Empire State Development Corporation — Client

Mark Smith — Client Contact — Client Contact Phone

B Forma — Building/Location — 2nd Floor — Work Area

Schenectady — Air Technician — 202.0157 — Air Technician Phone

Cambria — Contractor — Mark D. — Contractor Contact

Fax Results To: — Fax #

Rotometer # — Cassette Lot # — Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	016	019	020	B1	MB							
Pre-Calibrated Flow Rate	3	3	3									
Post-Calibrated Flow Rate	3	3	3									
Average Flow Rate	3	3	3									
Start Time Military Time	0752	0753	0754									
End Time Military Time	1422	1423	1424									
Duration (Minutes)	630	630	630									
Sample Volume (Liters)	1890	1890	1890									

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — *ELAP ID # 10958*

Lab Sample #	061	062	063	064	065							
Fibers/100 Fields:	5.5	10	4.5	0	0							
Fibers/cc:	<0.01	<0.01	<0.01	NA	NA							

Samples Relinquished By:	Date:
Received in Lab By:	Date: 4-8-10
Analyzed By:	Date: 4-9-10
Microscope Make, Model & #: 235757	Turn-around Time Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1663

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ Schneemann

Date: 4/9/10

Job Ticket #: 40586

Building / Location: B. Forman

Work Area: 2nd Floor

Shift (A) B C

Project Description: ESDC

Client / Owner (Print Name): Mark Smith

Client / Owner Representative (Print Name)

Client Contact (Print Name)

Abatement Contractor (Print Name): Cambria

Abatement Supervisor (Print Name): Mark T.

NYSDOL Asbestos Handling Certificate Number

Map Completed: Yes ☒ No ☐

Rotometer Number

Date of Last Calibration

Project Phase	Backgrounds	Work Preparation samples	Asbestos Handling Samples	Final Cleaning Samples	Clearance Air Samples
	Phase IB ☐	Phase IIA ☐	Phase IIB ☒ JRS	~~Phase IIC ☒~~	Phase IIC ☐

Job Type				
Class I ☒	Class II ☒	Large ☒	Small ☐	Minor ☐

Sq/ft Ln/ft Project with multiple removals ☒

Type of Material

1st Check 0730 2nd Check 0930 3rd Check 1245 4th Check 1345 5th Check ~~1700~~ 1600

Time of air sampling pump check

Notes

Set pumps at 0730 Cal to 3LPM all running normal

Check pumps at 0930 all running normal

Check pumps at 1245 all running normal

Check pumps at 1345 all running normal

Collected samples at 1600 and delivered to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

1 of 2

PARADIGM

ENVIRONMENTAL SERVICES, INC.

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

Pg 1 of 2

Lab Job # 4897-10

09/1083

Job Ticket # 40086

Asbestos Air Monitoring

Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4897-10 Pg. 1 of 2

Empire State Development Corporation

Client: B. Forman | 2nd Floor

Building/Location: Cambria | Work Area: Mark D

Contractor: 31 | Contractor Contact

Rotometer # | Cassette Lot #

Mark Smith

Client Contact: Scheuermann | Client Contact Phone: 202-0157

Air Technician | Air Technician Phone

Fax Results To: | Fax #

Materials to be Removed

Project Phase

△ Phase IB ☐	□ Phase IIA ☐	↑ JLS Phase IIB ☒	↑ Phase IIC ☒	○ Phase IIC ☐	* Env. ☐
Backgrounds	Work Area Preparation	Asbestos Handling	Final Cleaning	Clearance Airs	

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	011	012	013	014	015	016	017
Pre-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Post-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Average Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Start Time Military Time	0756	0758	0800	0803	0805	0745	0746	0747	0748	0744	0750	0751
End Time Military Time	1626	1628	1630	1633	1635	1615	1616	1617	1618	1619	1620	1621
Duration (Minutes)	510	510	510	510	510	510	510	510	510	510	510	510
Sample Volume (Liters)	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample # 34	721	722	723	724	725	726	727	728	729	730	731	732
Fibers/100 Fields:	14	10	7.5	9	4.5	3	6.5	4	2.5	5	7	3
Fibers/cc:	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Samples Relinquished By:	Date: 4/9/10
Received in Lab By:	Date: 4/12/10
Analyzed By:	Date: 4.14.10
Microscope Make, Model & #: 23757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

2 of 2

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Pg. 2 of 2

Lab Job # 4897-10

09/1083

Job Ticket # 40086

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4897-10 Pg. 2 of 2

Empire State Development Corporation

Client: B. Forman	Client Contact: Mark Smith
Building/Location: 2nd floor	Client Contact Phone: Scheverman 202-0157
Work Area: Cambria	Air Technician: Mark D.
Contractor: 31	Air Technician Phone:
Contractor Contact:	Fax Results To:
Rotometer #:	Fax #:
Cassette Lot #:	Materials to be Removed:

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ↑ JRS Phase IIB ☒ Asbestos Handling; ↑ Phase IIC ☒ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	08	014	010	B1	B2							
Pre-Calibrated Flow Rate	3	3	3									
Post-Calibrated Flow Rate	3	3	3									
Average Flow Rate	3	3	3									
Start Time Military Time	0752	0757	0754									
End Time Military Time	1642	1647	1624									
Duration (Minutes)	510	510	510									
Sample Volume (Liters)	1530	1530	1530									

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample # 34	733	734	735	B6	737							
Fibers/100 Fields:	6	4	5.5	0	0							
Fibers/cc:	<0.01	<0.01	<0.01	—	—							

Samples Relinquished By:	Date: 4/9/10
Received in Lab By:	Date: 4/12/10
Analyzed By:	Date: 4.14.10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☐ S. Klemerman

Date: 4/12/10

Job Ticket #: 4090

Building / Location: Ft. Forman

Work Area: 2nd Floor

Shift (A) B C

Project Description: ESDC

Client / Owner (Print Name): Mark Smith

Client / Owner Representative (Print Name):

Client Contact (Print Name):

Abatement Contractor (Print Name): Cambria

Abatement Supervisor (Print Name): Mark D.

NYSDOL Asbestos Handling Certificate Number:

Map Completed: Yes ☒ No ☐

Rotometer Number:

Date of Last Calibration:

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☒ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☒; Large ☒; Small ☐; Minor ☐

Type of Material: Sq/ft Ln/ft Project with multiple removals ☒

Time of air sampling pump check: 1st Check 0700 2nd Check 0930 3rd Check 1245 4th Check 1530 5th Check

Notes

Set pumps at 0700 cal to 3LPM all running normal.

Check pumps at 0930 all running normal.

Check pumps at 1245 all running normal.

Collected samples at 1530 and delivered to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

pg. 1 of 2

Lab Job # 4948-10

09/1083

Job Ticket # 40090

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4948-10 pg. 1 of 2

Empire State Development Corporation

Client: R. Forman	2nd Floor (Work Area)
Building/Location: Cambria	Mark D. (Contractor Contact)
Contractor: 31	
Rotometer #	Cassette Lot #

Mark Smith (Client Contact) — Client Contact Phone

Scheuerman (Air Technician) 202-0157 — Air Technician Phone

Fax Results To: — Fax #

Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☒ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	011	012	013	014	215	016	017
Pre-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Post-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Average Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Start Time Military Time	0711	0721	0715	0720	0725	0700	0701	0702	0703	0704	0705	0706
End Time Military Time	1541	1551	1545	1550	1555	1530	1531	1532	1533	1534	1535	1536
Duration (Minutes)	510	510	510	510	510	510	510	510	510	510	510	510
Sample Volume (Liters)	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — ELAP ID # 10958

Lab Sample #	34198	199	200	201	202	203	204	205	206	207	208	209
Fibers/100 Fields:	16	10	11	Over-loaded	1.5	4	5	4.5	3	8	5.5	7
Fibers/cc:	<0.01	<0.01	<0.01	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Samples Relinquished By:	Date: 4/12/10
Received in Lab By:	Date: 4-13-10
Analyzed By:	Date: 4-14-10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

2 of 2

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

pg. 2 of 2

Lab Job # 4948-10

09/1083

Job Ticket # 40090

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Empire State Development Corporation — Client

Mark Smith — Client Contact — Client Contact Phone

B. Franklin — Building/Location — 2nd Floor — Work Area

Schneiderman — Air Technician — 202-0157 — Air Technician Phone

Cambria — Contractor — Mark D — Contractor Contact

Fax Results To: — Fax #

31 — Rotometer # — Cassette Lot # — Materials to be Removed

pg. 2 of 2

4948-10

Project Phase: △ Phase IB ☐ Backgrounds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☒ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	018	019	020	B1	B2							
Pre-Calibrated Flow Rate	3	3	3									
Post-Calibrated Flow Rate	3	3	3									
Average Flow Rate	3	3	3									
Start Time Military Time	0707	0708	0709									
End Time Military Time	1537	1538	1539									
Duration (Minutes)	510	510	510									
Sample Volume (Liters)	1530	1530	1530									

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	210	211	212	213	214							
Fibers/100 Fields:	3	9	4	9	9							
Fibers/cc:	<0.01	<0.01	<0.01	N/A	N/A							

Samples Relinquished By:	Date: 4/12/10
Received in Lab By:	Date: 4-13-10
Analyzed By:	Date: 4.14.10
Microscope Make, Model & #: 235757	Turn-around Time Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐ Air Technician: ☐ Schneermann Date: 4/13/10 Job Ticket #: 39749

Building / Location: B. Forman Work Area: 2nd Floor Shift (A) B C

Project Description

ESDC	Mark Smith	
Client / Owner (Print Name)	Client / Owner Representative (Print Name)	Client Contact (Print Name)
Cambria	Mark D.	
Abatement Contractor (Print Name)	Abatement Supervisor (Print Name)	NYSDOL Asbestos Handling Certificate Number

Yes ☑ No ☐ — Map Completed

Rotometer Number

Date of Last Calibration

Project Phase	Phase IB ☐ Backgrounds	Phase IIA ☐ Work Preparation samples	Phase IIB ☐ Asbestos Handling Samples	Phase IIC ☒ Final Cleaning Samples	Phase IIC ☐ Clearance Air Samples

Job Type	Class I ☒	Class II ☒	Large ☒	Small ☐	Minor ☐

Type of Material — Sq/ft Ln/ft Project with multiple removals ☒

1st Check	2nd Check	3rd Check	4th Check	5th Check
0700	0900	1130	1530	

Time of air sampling pump check

Notes

Set pumps at 0700 cal to 3LPM, all running normal.

Check pumps at 0900 all running Normal.

Check pumps at 1130 all running normal.

Collected samples at 1530 and delivered to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Lab Job # 4949-10

09/1083

Job Ticket # 39749

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4949-10 Pg. 1 of 2

Empire State Development Corporation — Client

Mark Smith — Client Contact

B. Forman — Building/Location: 2nd Floor — Work Area

Schekermann 202-0157 — Air Technician / Air Technician Phone

Cambria — Contractor: Mark D. — Contractor Contact

Fax Results To: — Fax #

31 — Rotometer #: — Cassette Lot #: — Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☒ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	011	012	013	014	015	016	017
Pre-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Post-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Average Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Start Time Military Time	0712	0718	0715	0719	0722	0700	0701	0702	0703	0704	0705	0706
End Time Military Time	1542	1548	1545	1549	1552	1530	1531	1532	1533	1534	1535	1536
Duration (Minutes)	510	510	510	510	510	510	510	510	510	510	510	510
Sample Volume (Liters)	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — ELAP ID # 10958

Lab Sample #	34215	216	217	218	219	220	221	222	223	224	225	226
Fibers/100 Fields:	TNC, overloaded	25	TNC, overloaded	TNC, overloaded	0.5	5	0.5	2	4	1.5	5	8
Fibers/cc:	overloaded	<.01	overloaded	overloaded	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

Samples Relinquished By:	Date: 4/13/10
Received in Lab By:	Date: 4-13-10
Analyzed By:	Date: 4-14-10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. (48 Hr.)

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

2 of 2

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

pg. 2 of 2

Lab Job # 4949-10

09/1043

Job Ticket # 39749

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

4949-10 pg. 2 of 2

Empire State Development Corporation — Client

Mark Smith — Client Contact

Client Contact Phone

B. Forman — Building/Location

2nd Floor — Work Area

Schermann — Air Technician

202-0157 — Air Technician Phone

Cambria — Contractor

Mark D — Contractor Contact

Fax Results To:

Fax #

31 — Rotometer #

Cassette Lot #

Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☒ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	018	019	020	B1	B2							
Pre-Calibrated Flow Rate	3	3	3									
Post-Calibrated Flow Rate	3	3	3									
Average Flow Rate	3	3	3									
Start Time Military Time	0707	0708	0709									
End Time Military Time	1537	1538	1539									
Duration (Minutes)	510	510	510									
Sample Volume (Liters)	1530	1530	1530									

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	227	228	229	230	231							
Fibers/100 Fields:	4.5	1.5	2.5	0	0							
Fibers/cc:	<.01	<.01	<.01	N/A	N/A							

Samples Relinquished By:	Date: 4/13/10
Received in Lab By:	Date: 4-13-10
Analyzed By: db	Date: 4-14-10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

Envoy Environmental Consultants Inc.

Empire State Development

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: B Forman 2nd Floor — Job Ticket # 39672

Project Description: ESDC — Work Area: Mark Smith — PROJECT # 09/1087

Client/Owner (Print Name) — Client/Owner Representative (print name)

Abatement Contractor: Cambria — Supervisor (print name): Mark D. — NYSDOL Asbestos Handling Certificate Number: 09-13704

Supervisors Visual inspection Completed? Yes ☒ No ☐ — Supervisor Completing Visual Inspection (print name): Mark D — NYSDOL Asbestos Handling Certificate Number: 09-13704 — Date

Project Monitor (Print Name): J. Scheuermann — NYSDOL Asbestos Handling Certificate Number: 10-00281 — Date: 4/14/10

Site Emergency Phone: 911

Job Type: Class I ☒ Class II ☒ — Material: TSI on Pipe, FT/M, FT, Mirror Mastic, Duct Insulation

Job Size: Large ☒ Small ☐

Project with Multiple Removals ☒

Project Monitor Visual Inspection Checklist

Section A ☒ Inspectors Checklist	SAT	Needs Action	N/A
Equipment	Not Required		
1. Flashlight	☒	☐	☐
2. Knife or pointed object	☒	☐	☐
3. Respirator	☒	☐	☐
4. Hard Hat	☒	☐	☐
5. Safety Glasses	☒	☐	☐
6. Tyvex Suit	☒	☐	☐
7. Gloves	☒	☐	☐
Inspection	Not Required		
8. Enter all Spaces	☒	☐	☐
9. Inspect at Close Range	☒	☐	☐
Areas to Inspect	Not Required		
10. Permanent Fixtures	☒	☐	☐
11. Light Fixtures	☒	☐	☐
12. Ductwork	☒	☐	☐
13. Elevated Horizontal Surfaces	☒	☐	☐
14. Pipes	☒	☐	☐
15. Ceiling Grids/Sprinkler Heads	☒	☐	☐
16. Conduits	☒	☐	☐
17. Hauserman Channels	☐	☐	☒
18. Floor and Wall Penetrations	☒	☐	☐
19. Creases & Folds in Criticals	☒	☐	☐
20. Walls & Corners	☒	☐	☐
21. Floors	☒	☐	☐

Section B ☒ Visual Inspection	SAT	Needs Action	N/A
Personal Decontamination Unit	Required to Pass		
22. Clean & Free of Debris & Dust	☒	☐	☐
23. No Visible Pools of Liquid	☒	☐	☐
24. No condensation	☒	☐	☐
25. All Isolation Barriers intact	☒	☐	☐
Waste Decontamination Unit	Required to Pass		
26. Clean & Free of Debris & Dust	☒	☐	☐
27. No Visible Pools of Liquid	☒	☐	☐
28. No condensation	☒	☐	☐
29. All Isolation Barriers intact	☒	☐	☐
Regulated Abatement Work Area	Required to Pass		
30. No Visible Pools of Liquid	☒	☐	☐
31. No condensation	☒	☐	☐
32. All Criticals intact	☒	☐	☐
33. All Isolation Barriers Intact	☒	☐	☐
34. No Unremoved Materials	☐	☒	☐
35. No Visible Debris	☐	☒	☐
36. No Visible Dust	☐	☒	☐
37. Examine Contractor Equipment	☐	☒	☐
38. Negative Air in Operation	☒	☐	☐
39. No Debris or Water under Plastic	☒	☐	☐
40. Completeness of Abatement**	☐	☒	☐
41. Completeness of Clean-up**	☐	☒	☐

Section C ☒ Procedures/ Paperwork	SAT	Needs Action	N/A
Paperwork & Procedures	Required to Pass		
42. Written Scope of Work (attached)	☒	☐	☐
43. Verbal Scope of Work (see below)	☐	☐	☒
44. Supervisor Present	☒	☐	☐
45. Wait period observed	☒	☐	☐
Paperwork & Procedures	Not Required		
45. Area Asbestos Survey	☒	☐	☐
46. Sign into work area	☒	☐	☐
47. Sign out of work area	☒	☐	☐
48. Entry into Supervisors Log	☒	☐	☐
49. Detail Findings	☒	☐	☐
50. Enter Full Name	☒	☐	☐
51. Enter AH Cert. Number	☒	☐	☐
52. Worker Present	☒	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes — Briefly list all deficiencies and target compliance dates

1. Area is generally dusty all over.
2. multiple areas with debris on the floor or horizontal surfaces
3. Small areas of mastic and cork remain
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated are to remain also state this).

Supervisors Signature: Mark DePaola — Date: 4-14-10

Project Monitor Signature: [signature] — Date: 4/14/10

PASS ☐ Area Cleared to proceed with Clearance Airs — FAIL ☒ Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above critical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: — On Date: — By:

FVI form

White - Envoy / Paradigm Yellow - LiRo Pink - Contractor

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☑ Scheuermann

Date: 4/14/10

Job Ticket #: 39672

Building / Location: B. Forman

Work Area: 2nd Floor

Shift (A) B C

Project Description: ESPL

Client / Owner (Print Name): Mark Smith

Client / Owner Representative (Print Name):

Client Contact (Print Name):

Abatement Contractor (Print Name): Cambria

Abatement Supervisor (Print Name): Mark D.

NYSDOL Asbestos Handling Certificate Number:

Map Completed: Yes ☒ No ☐

Rotometer Number: 31

Date of Last Calibration:

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☒ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☒; Large ☒; Small ☐; Minor ☐

Type of Material: Sq/ft Ln/ft Project with multiple removals ☒

1st Check 1200 2nd Check 1415 3rd Check 1615 4th Check 5th Check

Time of air sampling pump check

Notes

After FVI failed pumps were set up at 1200 Cal. to 3LPM, all running normal.

Check Pumps at 1415 all running normal

Collected samples at 1615 and delivered to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

1 of 2

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Pg. 1 of 2

Lab Job # 5004-10

09/1083

Job Ticket # 39672

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

5004-10 Pg. 1 of 2

Empire State Development Corporation — Client

Mark Smith — Client Contact

B. Forman — Building/Location

2nd Floor — Work Area

Scheuermann 202.0157 — Air Technician / Air Technician Phone

Cambria — Contractor

(Mark D) — Contractor Contact

Fax Results To: — Fax #

31 — Rotometer #

Cassette Lot # — Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☒ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	06	07	08	09	010	011	012	013	014	015	016	017
Pre-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Post-Calibrated Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Average Flow Rate	3	3	3	3	3	3	3	3	3	3	3	3
Start Time Military Time	1143	1215	1216	1220	1225	1200	1201	1202	1203	1204	1205	1206
End Time Military Time	1628	1630	1633	1635	1640	1615	1616	1617	1618	1619	1620	1621
Duration (Minutes)	255	255	255	255	255	255	255	255	255	255	255	255
Sample Volume (Liters)	765	765	765	765	765	765	765	765	765	765	765	765

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — ELAP ID # 10958

Lab Sample #	35590	591	592	593	594	595	596	597	598	599	600	601
Fibers/100 Fields:	Sample Not Provided	5.5	8	6	3	4	2	4.5	3	1.5	5	2.5
Fibers/cc:	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Samples Relinquished By:	Date:
Received in Lab By:	Date: 4-14-10
Analyzed By:	Date: 4.16.10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

2 of 2

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Pg. 2 of 2

Lab Job # 5004-10

09/1083

Job Ticket # 39672

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

5004-10 Pg. 2 of 2

Empire State Development Corporation

Client: B. Forma-	Work Area: 2nd Floor	Client Contact: Mark Smith	Client Contact Phone: Scheuermann 202-0157
Building/Location: Cambria	Contractor Contact: Mark D	Air Technician:	Air Technician Phone:
Contractor: 31		Fax Results To:	Fax #:
Rotometer #:	Cassette Lot #:	Materials to be Removed:	

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☒ Final Cleaning; ○ Phase IIC ☐ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	018	019	020	B1	B2							
Pre-Calibrated Flow Rate	3	3	3									
Post-Calibrated Flow Rate	3	3	3									
Average Flow Rate	3	3	3									
Start Time Military Time	1207	1208	1209									
End Time Military Time	1622	1623	1624									
Duration (Minutes)	255	255	255									
Sample Volume (Liters)	765	765	765									

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	602	603	604	605	606							
Fibers/100 Fields:	7	4	2	9	9							
Fibers/cc:	<0.01	<0.01	<0.01	NA	NA							

Samples Relinquished By:	Date:
Received in Lab By: CdB	Date: 4-14-10
Analyzed By:	Date: 4.16.10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐ #
Air Technician: ☐ #Scheuermann Date: 4/15/10 Job Ticket #: 39712

Building / Location: B. Forman Work Area: 2nd Floor Shift (A) B C

Project Description

Client / Owner (Print Name)	Client / Owner Representative (Print Name)	Client Contact (Print Name)
ESDC	Mark Smith	

Abatement Contractor (Print Name)	Abatement Supervisor (Print Name)	NYSDOL Asbestos Handling Certificate Number
Cambria	Mark D.	

Map Completed	Rotometer Number	Date of Last Calibration
Yes ☒ No ☐	31	

Project Phase	Phase IB ☐ Backgrounds	Phase IIA ☐ Work Preparation samples	Phase IIB ☐ Asbestos Handling Samples	Phase IIC ☐ Final Cleaning Samples	Phase IIC ☒ Clearance Air Samples

Job Type	Class I ☒	Class II ☒	Large ☒	Small ☐	Minor ☐

Sq/ft Ln/ft Project with multiple removals ☒

Type of Material

1st Check	2nd Check	3rd Check	4th Check	5th Check
0830	1000	1100		

Time of air sampling pump check

Notes

Set pumps at 0830 cal to 4 LPM, all running normal.

Check pumps at 1000 all running normal.

Collected samples at 1100 and delivered to Lab.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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

Lab Job # 5042.10
09/1083

Job Ticket # 39712

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Empire State Development Corporation

Client: D. Forman	2nd Floor
Building/Location: Cambria	Work Area: Mark D
Contractor: 31	Contractor Contact
Rotometer #	Cassette Lot #

Mark Smith	
Client Contact: Scheuermann	Client Contact Phone: 202-0157
Air Technician	Air Technician Phone
Fax Results To:	Fax #
Materials to be Removed	

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☒ Clearance Airs; * Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I1	I2	I3	I4	I5	I6	I7	08	09	010	011	012	B1	B2
Pre-Calibrated Flow Rate	4	4	4	4	4	4	4	4	4	4	4	4		
Post-Calibrated Flow Rate	4	4	4	4	4	4	4	4	4	4	4	4		
Average Flow Rate	4	4	4	4	4	4	4	4	4	4	4	4		
Start Time Military Time	0830	0831	0832	0834	0835	0837	0838	0840	0841	0842	0843	0844		
End Time Military Time	1100	1101	1102	1104	1105	1107	1108	1110	1111	1112	1113	1114		
Duration (Minutes)	150	150	150	150	150	150	150	150	150	150	150	150		
Sample Volume (Liters)	600	600	600	600	600	600	600	600	600	600	600	600		

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	35 734	735	736	737	738	739	740	741	742	743	744	745	746	747
Fibers/100 Fields:	6	7	9	5.5	8	5	2	4.5	8	12	10	11	0	0
Fibers/cc:	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		

Samples Relinquished By:	Date: 4/15/10
Received in Lab By:	Date: 4.15.10
Analyzed By:	Date: 4.15.10
Microscope Make, Model & #: 235757	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

Verbals to Josh @ 11:45am 4.15.10

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	***DATE: 3-31-10***
Contract #	***Liro Job #:***
HOURS: 0500-1830	***TASK: PM***

TIME	*ACTIVITY- B. Forman*
0500	Onsite to FVI tent 1 on the 1st floor. Final passed, tent was very clean.
0515	All samples set and running normal.
0530	Set up backgrounds for the 2nd floor cal. to 3 Lpm.
0600	Pump check, all running normal.
0630	Collected 2nd floor backgrounds.
0700	Collected clearance airs for tent 1.
0715	Set up IIB samples for the basement.
0745	All samples set and running normal.
0800	Set up IIA samples for the 2nd floor.
0830	Workers on the 2nd floor are scraping up carpet glue. Bobcat is working on the 1st floor removing demo debris.
0915	To the break room to start paper work.
1000	Into containment to get quantities and check progress. Decon unit needed cleaning. During the walk I found a drain that had come uncovered. I informed the foreman he said he would fix it immediately.
1200	Out of containment to the 1st floor. Tent 2 had come undone near the airlock into the area and leak a bit of water. It was fixed by a worker in front of me.
1215	To the break room to inform Mark about all above problems.
1230	Break for lunch.
1300	Pump check, all running normal.

1330	Into containment to check progress. Workers are abating the cork and tar in the back room ventilation room. Area is dusty so I asked Greg to put more water into the area. Debris began to accumulate in the area but workers began to load out material into boxes and seal them up. Boxes are being stored in the area until later in the shift. They are being washed and wiped down after being sealed. All criticals are sealed well.
1530	Out of containment to update Mark on progress.
1535	Pump check, all running normal.
1600	Checked the sign in sheet. 13 on the 2nd, 13 in the basement, 2 on the 1st in the tents abating, once they finished those 2 workers moved into the basement.
1630	Tents are completely abated on the 1st, preliminary check showed that the area is very clean and there is no liquid on the floor, now observing wait periods.
1715	Began to collect samples and finish paper work.
1830	Offsite.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	***DATE: 4-1-10***
Contract #	***Liro Job #:***
HOURS: 0500-1830	***TASK: PM***

TIME	***ACTIVITY- B. Forman- 1st Floor tents, Basement and 2nd Floor***
0500	Onsite to do a FVI in the 1st floor tents 1 and 2. Areas were very clean and free of debris, both visuals passed. Started the sampling in both areas. Pumps cal. To 10 Lpm.
0630	All samples collected and pumps broken down. Prepped the samples for the basement and 2nd floor.
0645	Crew onsite.
0815	All samples for the 2nd floor and the basement set and running normal.
0830	To the Liro office for an Envoy meeting.
0930	To the break room to start paper work.
1000	Into the basement containment to check progress. Debris is piling up during the removal but the workers had already begun to load the material into boxes when I came into the area. 2 workers were washing the PI material being removed while 4 others were power washing an area already abated. Bag out flaps still needed to be repaired. Water where the power washing was occurring began to pool. Asked Greg to get someone to begin picking some of it up. Found a drain that needed to be resealed in a side room where no work was going on. Floors in some areas were fairly dirty and needed to be cleaned. Informed Todd of this and he said they would be clean by the end of the day.
1200	Out of containment to update Mark of progress in the area.
1230	Delivered finals from the morning to the lab.
1245	Onsite to check the sign in sheet. 28 workers onsite today with 15 in the basement doing IIB work and 13 on the 2nd floor doing IIA work.
1300	Into 1E containment to check progress. Workers doing final clean work. 5 workers washing the ceiling and pigeon holes doing detail cleaning from scaffolds. Nearly 50% complete in the area. 2 workers are cleaning up the water.
1500	Out of containment to meet with Dave about 1E.
1530	Lab called to inform me that the finals passed.
1600	Checked on the progress in the basement with Louis and Todd. Workers are cleaning out the drains and re sealing them. The bag out flaps have been repaired. The abated rooms at the

	back of containment have been finished power washing and all water has been removed. All of the PI should be removed by early next week. The floor is completely clean.
1700	Began to collect pumps and finish paper work.
1830	Offsite.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Jarrod Miner	*DATE: 4/6/10*
Contract #	*Liro Job #:*
HOURS:0700-1730	*TASK: P.M.*

TIME	*ACTIVITY B-Foreman Bldg. – work areas 2nd Floor & Basement*
0700	Arrived on site.
0715	Calibrated and setup samples in both work areas. All pumps running at 3 LPM. 12 workers are in the basement continuing removal, and 14 workers on the 2nd floor doing general demo work inside containment.
0800	Went into the basement containment from 0800 – 1000 to see how everything is moving along. All guys are finishing up cutting out the pipe insulation. Should have all insulation out by noon. Everything else looks very good. Decon is very clean, no issues.
1030	Checked pumps in the basement and on the 2nd floor after exiting containment – all pumps okay.
1130	Talked with Mark to get an update on the 2nd floor demo – workers are finishing up demoing the walls and will clean up the area all morning. After cleaning, crew will begin to remove lights from the area this afternoon. Area had a small issue with negative air this morning, but problem was fixed immediately.
1200	Took lunch.
1300	Checked pumps in both areas – all still good.
1400	Went into containment on the 2nd floor to see what was going on. Guys are beginning to remove the lights from the area. Area looks very clean after walls were demoed. No problems are visible – everything looks good. In containment from 1400 – 1600.
1600	Talked with Mark and Gregory to catch up on events in the basement during the afternoon. 6 workers were doing a 1st clean wash of the entire area, and 6 others were in the boiler room removing some pipes. All material is coming out as ACM.
1630	Re-calibrated and broke down samples in both work areas. All pumps still running at 3 LPM.
1730	Samples taken to the lab.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	***DATE: 4-7-10***
Contract #	***Liro Job #:***
HOURS: 0700-1815	***TASK: PM***

TIME	*ACTIVITY- B. Forman*
0700	Onsite to prep samples and gather equipment for the basement and the 2nd floor.
0720	All samples for the basement and O6-O10 are running for the 2nd floor. Abating to start later in the day so I began to run lines for the negative air machines.
0930	All lines are strung and samples running.
1000	Checked the sign in sheet. 27 workers onsite today. 16 on the 2nd floor. 10 workers in the basement and 1 miscellaneous worker.
1015	Into the basement containment. Removal of FT and FT/M began today. Walls are very clean and wiped down after TSI on pipe removal. 2 workers were buffing the floor where tile was already removed. The rest of the workers were scrapping floor mastic. All of the floor tiles had already been loaded out. 1 worker was on a ladder removing cork and tar insulation from duct work and boxing it up. The floors in the entire area are very clean and free of debris.
1215	Out of containment to update Mark on the progress in the basement.
1230	Pump check, all running normal.
1300	Lunch.
1345	Pump check, all running normal.
1400	Into the 2nd floor containment to check progress. Workers are removing light fixtures and then they are being loaded into boxes by support workers. Debris began to accumulate on the floor however workers towards the end of my walk began to clean the area.
1600	Out of containment. The floors were in decent shape when I left, so I went to update Mark on the progress in containment.
1630	Started paper work for all areas.
1700	Began to collect samples for all areas.
1745	Finished paper work for all areas.
1815	Offsite.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	***DATE: 4-8-10***
Contract #	***Liro Job #:***
HOURS: 0700-1730	***TASK: PM***

TIME	*ACTIVITY- B. Forman*
0700	Onsite to prep samples and gather equipment for IIB in both the basement and 2nd floors.
0815	All samples set and running normal.
0930	The state arrived onsite. I was informed that a few pumps on the 2nd floor negative airs on the Clinton side appeared to a state worker to be out of position.
0945	Went to adjust the placement of the out of position pumps for the 2nd floor. Louis went to containment to help adjust from inside to fix a mount on a location that had come undone.
1000	Into the basement containment. Workers are washing down the area in anticipation of doing final cleaning tomorrow. A few workers were removing the last bits of FT/M and cleaning the area. Some cork and tar material remained on the ventilation unit and a worker attended to it when I brought it up to the supervisor in the area. Area is generally clean all over.
1200	Out of containment to update Mark on progress. Still anticipating a FVI over the weekend in the basement.
1230	Pump check, all running normal.
1300	Lunch.
1330	Pump check, all running normal.
1400	Into the 2nd floor containment to check progress. All workers removing mirror mastic or loading boxes. Part of the floor had pooling of water where work was being done. I informed the supervisor and it was cleaned up immediately. The area is generally clean all over and 80% of the mastic is removed. Removal of floor tile to start later today.
1600	Out of containment to update Mark on progress on the 2nd floor. The floor should be ready for a FVI early next week.
1630	Checked the sign in sheet. 29 workers onsite today, 12 in the basement, 16 on the 2nd floor and 1 worker doing miscellaneous tasks.
1700	Collected samples and finished paper work.
1730	Offsite.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	***DATE: 4-9-10***
Contract #	***Liro Job #:***
HOURS: 0700-1700	***TASK: PM***

TIME	*ACTIVITY- B. Forman*
0700	Onsite to prep samples and gather equipment.
0745	All samples are set and running normal.
0815	Checked the sign in sheet. 11 workers are in the basement final cleaning. 16 are on the 2nd floor abating. 1 worker is outside doing miscellaneous tasks.
0900	Checked pumps, all running normal.
1000	Into the 2nd floor containment to check progress. Workers are beginning to scrape FT/M. Found some holes that needed to be foamed leading out of the area. Area is a bit dusty where the mastic is being removed and needed to be wet down more. Workers started using mastic remover during my walk through. Dust was minimal in the area when I left.
1200	Out of containment to update Mark on progress in the area.
1230	Pump check, all running normal.
1245	Lunch.
1315	Pump check, all running normal.
1330	Into containment in the basement for a preliminary final walk through. Found some cork and tar insulation still in the ventilation unit room that still needed to be removed. Workers are mopping the floor and wiping down the poly. Found some FT/M in crevasses on the floor and on the perimeters near the walls. Found a hole in the wall where the removal occurred that needed to be cleaned out. Floors are very clean and there is no dust in the air.
1500	Out of containment to update Mark of the concerns in the basement.
1515	Workers exiting the decon unit.
1530	Began to collect samples.
1615	Finished paper work.
1700	Offsite.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	*DATE: 04-12-10*
Contract #	*Liro Job #:*
HOURS: 0330-1530	*TASK: P.M.*

TIME	*ACTIVITY B. Foreman – 2nd Floor, Basement*
0330	On site to begin aggressive airs after FVI that passed.
0500	All samples set and running normal for IIC – clearance.
0530	Began paperwork.
0630	Crew on site.
0700	Started samples for IIB on 2nd Floor.
0730	Collected samples for the Basement.
0815	Delivered samples to lab.
0845	On site to continue paperwork.
0930	Pump check.
1000	Into 2nd Floor containment. Found a hole in the ceiling where demo work occurred. Found small spots of mirror mastic remaining around where removal already took place. Workers still trying to crape up the floor tile/mastic on the concrete deck. 2 workers are vacuuming the floor in the area. 3 workers were loading material into boxes. The rest of the workers were scrapping.
1200	Out of containment to update Mark D. on progress.
1215	Lunch
1245	Pump check.
1330	Into containment to check on progress. Still scrapping mastic off concrete. More water is needed in area. Told supervisor.
1500	Updated Mark D. on progress.
1515	Collected samples and finished paperwork.
1530	Off site.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	*DATE: 04-13-10*
Contract #	*Liro Job #:*
HOURS: 0700-1630	*TASK: P.M.*

TIME	*ACTIVITY B. Foreman – 2nd Floor, 5th & 6th Floor Windows, Basement 2A*
0700	On site to prep samples and gather equipment.
0730	All samples for IIC – Cleaning set and running.
0750	To the break room to start paperwork.
0815	Went to the basement to check on work. 3 workers are starting to hang poly for minor tents.
0830	To the 5th & 6th floor to check on crew. 3 workers beginning to remove the windows on the 6th floor. Started to collect equipment and set up air samples.
0900	Pump check.
0930	Workers in the basement that are building tents turned it into a large work area. They are going to attach a decon and waste out. Should be completed by end of day. Spoke with Ted and confirmed that the area looks good.
1000	Prepped samples and gathered equipment for the basement.
1030	All samples for IIA in basement set and running.
1115	Started paperwork in the break room.
1130	Pump check.
1200	Lunch
1245	Check sign in sheet. Basement 2A – 3, 2nd Floor – 2, 6th Floor – 3, and 3rd Floor demo - 21
1300	Into 2nd Floor containment to do a preliminary walk through. Decon needed to be cleaned. The last of the mastic on the concrete slab is being removed. Workers are washing down columns and the floor.
1430	Out of containment to update progress to Mark.
1445	Check progress of 6th Floor window removal. All windows are removed and caulk is being scrapped off.

1515	Began collecting samples.
1630	Off site.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Ted Tronnes	DATE: 04-14-10
Contract #	Liro Job #:
HOURS: 0800-1600	TASK: P.M.

TIME	ACTIVITY Service Tunnel, B, Foreman – 2nd Floor
0800	On site. Calibrated pumps for dust samples.
0830	Set up dust samples in tunnel.
0845	At office to start paperwork.
0900	Paul M. on site for envoy meeting.
0945	Meeting over. Still in office to update maps for survey material.
1015	Over to B. Foreman 2nd floor containment for final visual.
1035	In 2nd floor containment.
1150	Out of containment. Visual failed. Josh S. to do paperwork.
1210	Updated log book at office.
1230	Lunch
1300	At office for paperwork.
1340	Over to Seneca to check on work. Spoke to Jim C. and Joe R. about work plans for next 2 weeks.
1420	Talked to Byron about work and Friday Mark S. will start day shift.
1440	Call from Mike to ask about workers on Seneca roof. Talked to Jim C. and he stated that they are setting up safety equipment and moving stone on roof.
1500	Talked to Pete from lab about caulk samples coming back negative for asbestos from Seneca windows.
1515	Down to tunnel to break down dust samples.
1535	At office to finish paperwork.
1600	Off site.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	*DATE: 04-14-10*
Contract #	*Liro Job #:*
HOURS: 0700-1630	*TASK: P.M.*

TIME	*ACTIVITY B. Foreman – 2nd Floor, Basement 2A, 5th Floor Windows*
0700	On site to prep samples and gather equipment.
0730	All samples for Basement 2A and 5th Floor Windows are running.
0800	Start paperwork.
0900	Pump check
0930	Bag out flaps in Basement 1 containment needed fixing.
1030	Into 2nd Floor containment to do a final visual inspection with Ted. Area is not ready to pass. Dusty floor still after drying time. Mastic remained on the wall. Cork and tar remained on part of a ventilation unit. Piles of debris remained on floor.
1200	After visual failed, started IIC – Cleaning air samples.
1230	All samples set and running.
1245	Pump check.
1300	Into Basement 2A containment to check on progress. Began removal earlier today of friables. Hand held pumps being used to start removal. Hoses will be set up and used later. About 20% complete so far.
1400	Out of containment. Updated Mark D.
1415	Pump check.
1430	Into 5th Floor to watch window removal and inspect the sills at the locations of removed windows already. Most of the windows are out and area will be completed tomorrow.
1500	Out of containment and updated Mark D.
1515	Collected samples.
1630	Finished paperwork and off site.

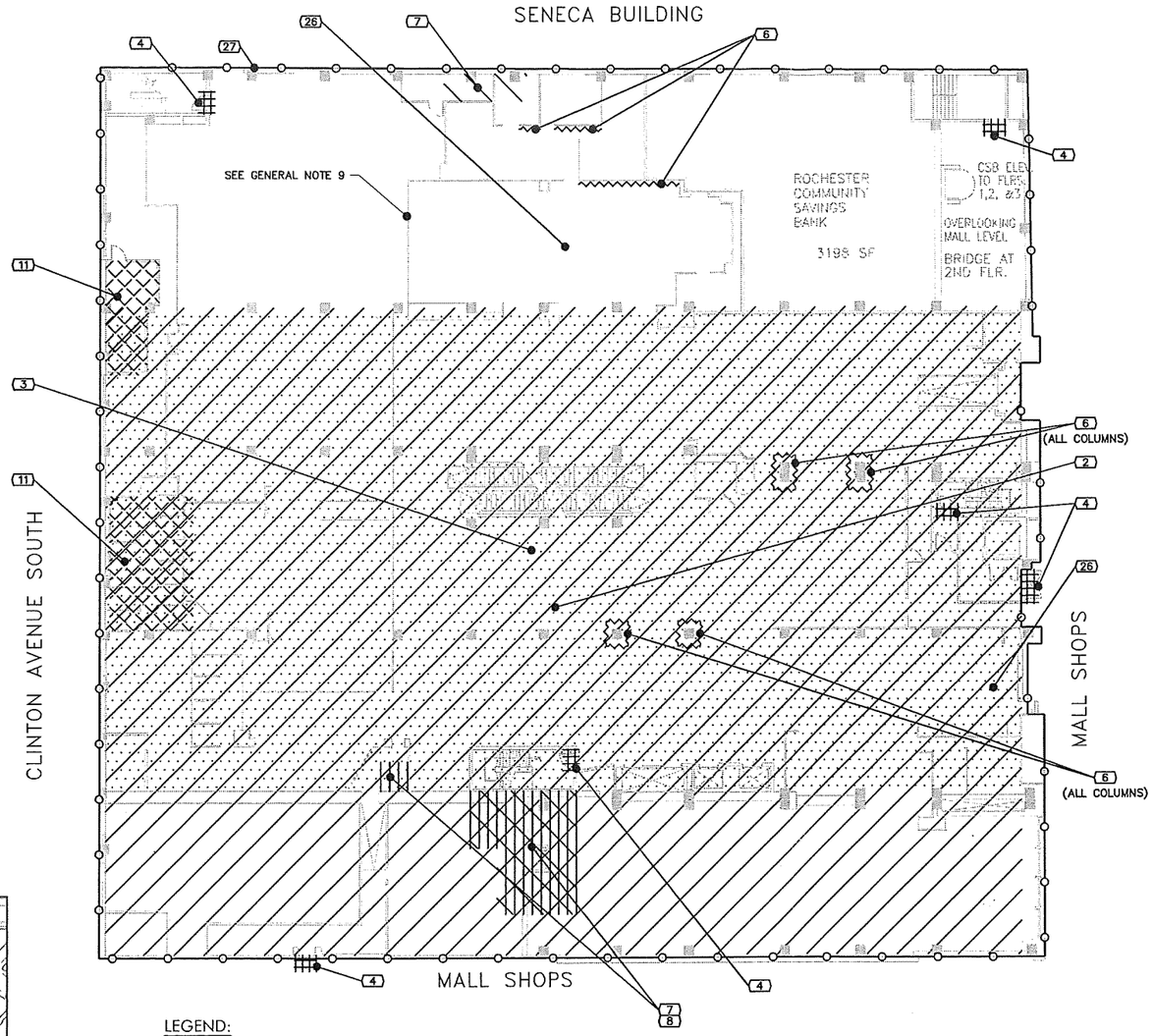
LiRo Engineers, Inc.

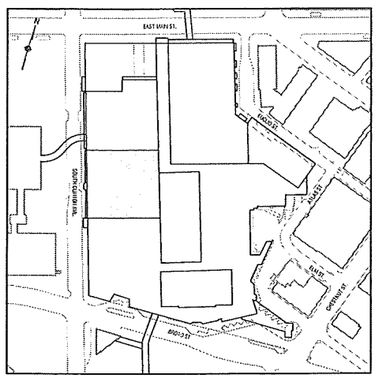
Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Josh Scheuermann	*DATE: 04-15-10*
Contract #	*Liro Job #:*
HOURS: 0600-1530 A-Shift	*TASK: P.M.*

TIME	*ACTIVITY B. Foreman – 2nd Floor, Basement 2A, Roof*
0600	On site. Final visual on 2nd Floor. Big improvement from yesterday. Floors are very clean and no debris on floors. All horizontal surfaces are clean and dry. All poly is clean. Area passed.
0630	Started aggressive airs.
0715	Had Ted set up Basement 2A air samples.
0830	Started IIC – Clearance airs on 2nd Floor.
0900	Pump check in basement.
0930	Check progress on the roof. Safety rails beginning built. Crews tied off. 6th floor windows being polyed.
1000	Pump check on 2nd Floor.
1015	Start paperwork.
1100	Collected 2nd Floor samples.
1115	Off site to lab.
1130	On site. Lunch.
1145	Lab called and 2nd Floor finals passed.
1200	Pump Check.
1215	Demo of ceiling under negative pressure began on 2nd floor.
1300	Pump check in basement.
1315	Checked progress on roof. Safety rail near completion. 6th floor windows finished being polyed.
1330	Into Basement 2A to check on progress. Washing began after all materials were removed. 3 workers in containment. Criticals all intact.

1500	Out of containment and updated Mark D.
1515	Begin to collect samples.
1530	Finished paperwork for the basement.





KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE		
	ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
(2)	FLOOR TILE/MASTIC	26,600 SF
(3)	CEILING SYSTEMS	32,400 SF
(4)	FIRE DOORS	6 EACH
(6)	MIRROR MASTIC	1,200 SF
(7)	PIPE INSULATION	400 LF
(8)	FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
(11)	DUCT INSULATION	800 SF
(26)	LIGHT FIXTURES	180 EACH
(27)	TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

WARNING
IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

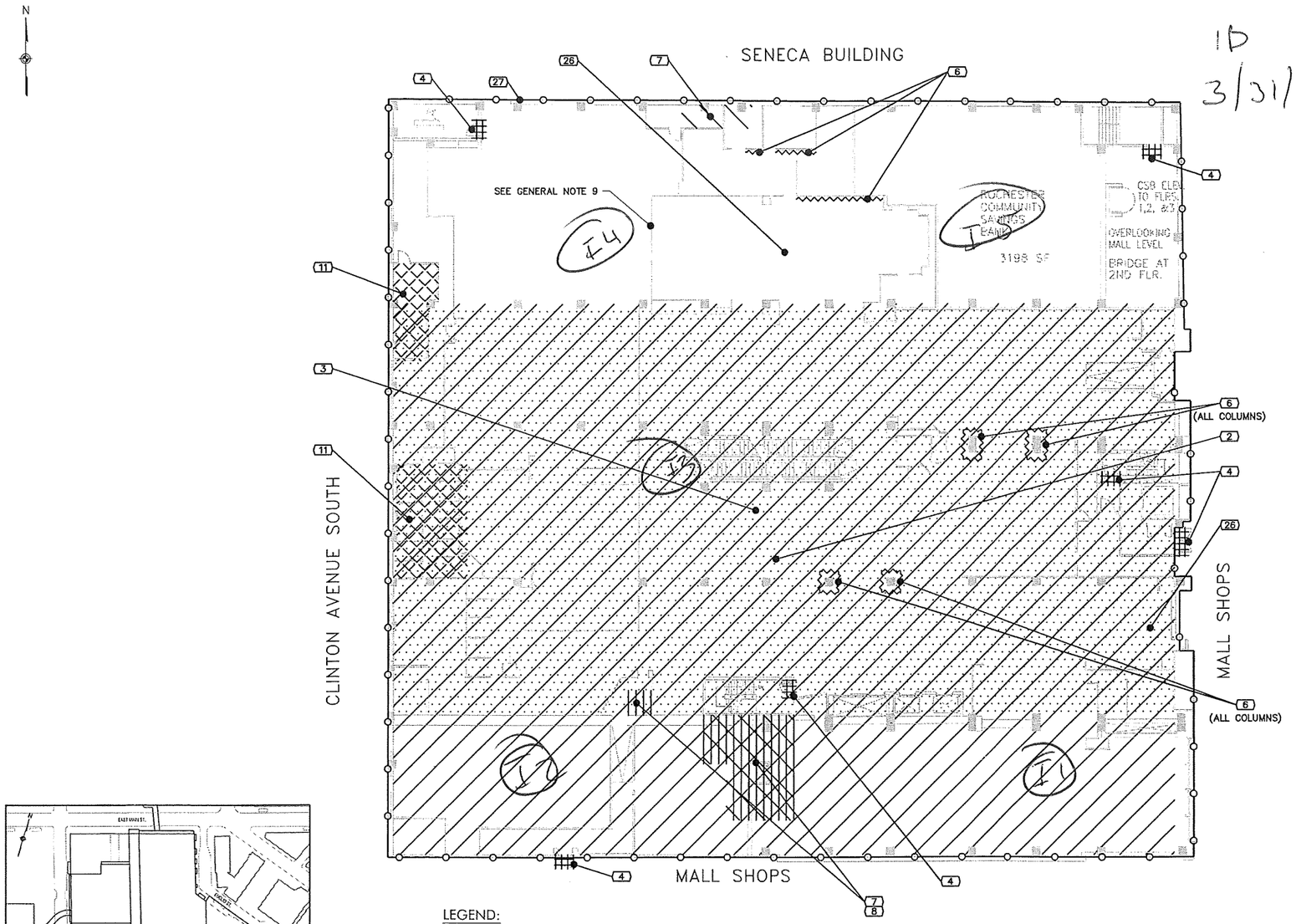
REVISIONS

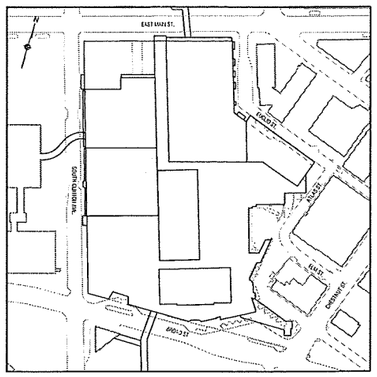
STATE OF NEW YORK — MARK J. WESOLOWSKI — 081074244 — LICENSED PROFESSIONAL ENGINEER

LiRo Engineers, Inc.
680 Delaware Ave.
Buffalo, New York

PROJ. ENG.:	M.J.W.
DESIGNED BY:	M.J.W.
CHECKED BY:	R.F.K.
DRAWN BY:	A.M.K.
CLIENT:	Empire State Development, 400 Andrews Street, Suite 100, Rochester, New York 14604-1409
DATE:	JANUARY 2009
SCALE:	1" = 15'
JOB TITLE AND LOCATION:	B. FORMAN BUILDING, MIDTOWN PLAZA COMPLEX, ROCHESTER, NEW YORK
DRAWING TITLE:	2ND FLOOR ASBESTOS ABATEMENT PLAN
LIRO JOB NO.:	08-21-104
SHEET OF	3 8
FIGURE NO.	FB-A3

J:\08\21104 - Midtown Plaza\CADD\ACTIVE\FORMAN ACM.DWG, 1/30/2009 2:02:45 PM, AMK





KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE		
	ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
2	FLOOR TILE/MASTIC	26,600 SF
3	CEILING SYSTEMS	32,400 SF
4	FIRE DOORS	6 EACH
6	MIRROR MASTIC	1,200 SF
7	PIPE INSULATION	400 LF
8	FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
11	DUCT INSULATION	800 SF
26	LIGHT FIXTURES	180 EACH
27	TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTPACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

ID
3/31/10

WARNING
IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

REVISIONS

STATE OF NEW YORK RAMON J. WESOLOWSKI LICENSED PROFESSIONAL ENGINEER NO. 074268

LiRo Engineers, Inc. 690 Delaware Ave. Buffalo, New York

PROJ. ENG.:	M.J.W.
DESIGNED BY:	M.J.W.
CHECKED BY:	R.F.K.
DRAWN BY:	A.M.K.
DATE:	JANUARY 2009
SCALE:	1" = 15'

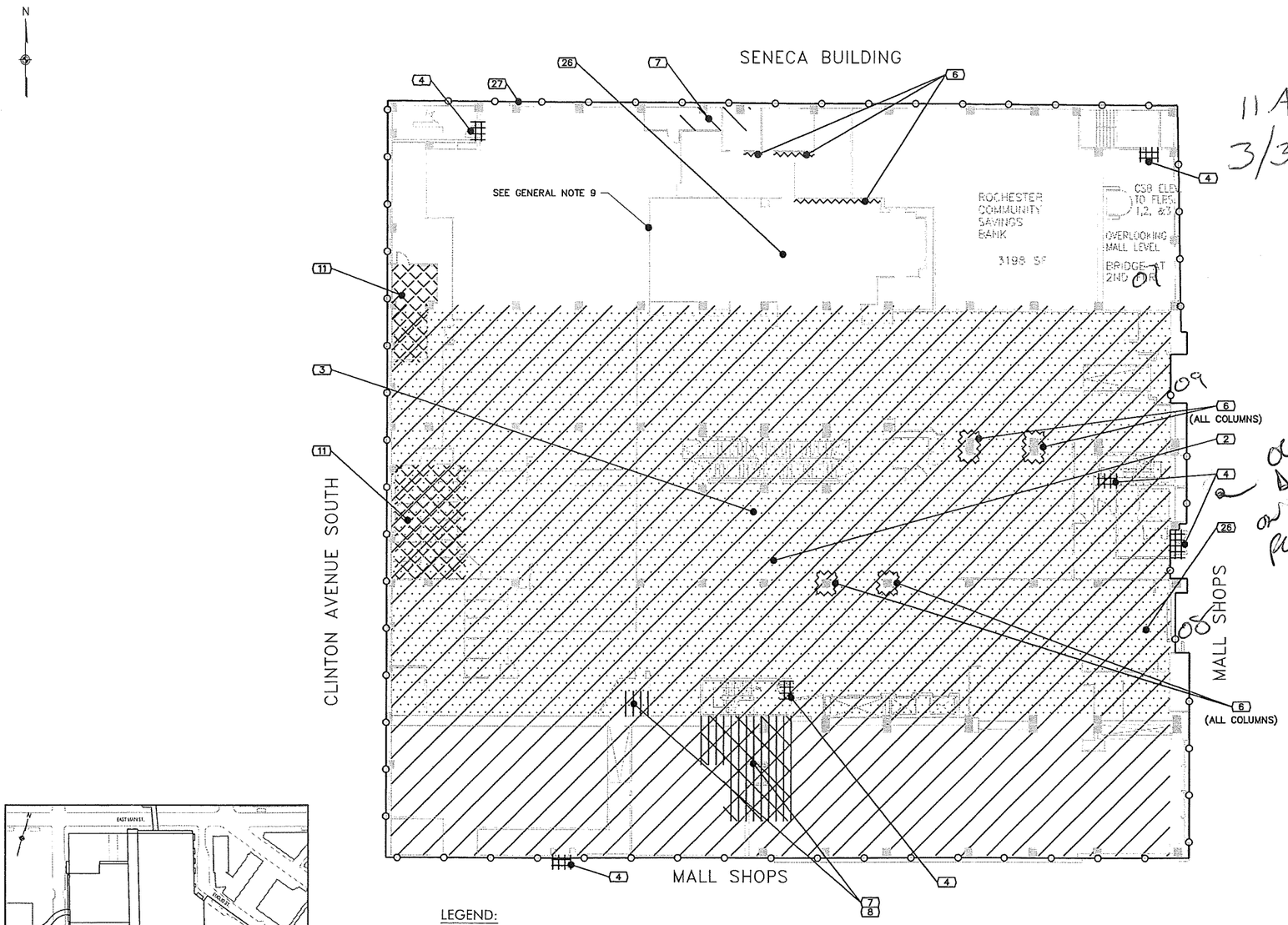
CLIENT: Empire State Development
400 Andrews Street, Suite 100
Rochester, New York 14604-1409

JOB TITLE AND LOCATION:
B. FORMAN BUILDING
MIDTOWN PLAZA COMPLEX
ROCHESTER, NEW YORK

DRAWING TITLE:
2ND FLOOR
ASBESTOS ABATEMENT PLAN

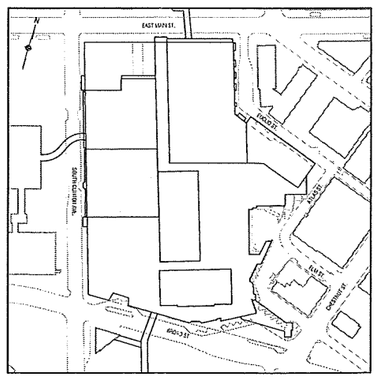
LIRO JOB NO.:	08-21-104
SHEET OF	3 8
FIGURE NO.	FB-A3

J:\08\21104 - Midtown Plaza\CAD\DGN\BUILDING\FORMAN\ACM\FIG_A3\FORM3_2ND.DGN 29-JAN-09 PW AMK



11 A
3/31/10

08 Below on 1st Floor



KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

		SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE	
		ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
	2	FLOOR TILE/MASTIC	26,600 SF
	3	CEILING SYSTEMS	32,400 SF
	4	FIRE DOORS	6 EACH
	6	MIRROR MASTIC	1,200 SF
	7	PIPE INSULATION	400 LF
	8	FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
	11	DUCT INSULATION	800 SF
	26	LIGHT FIXTURES	180 EACH
	27	TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTPACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

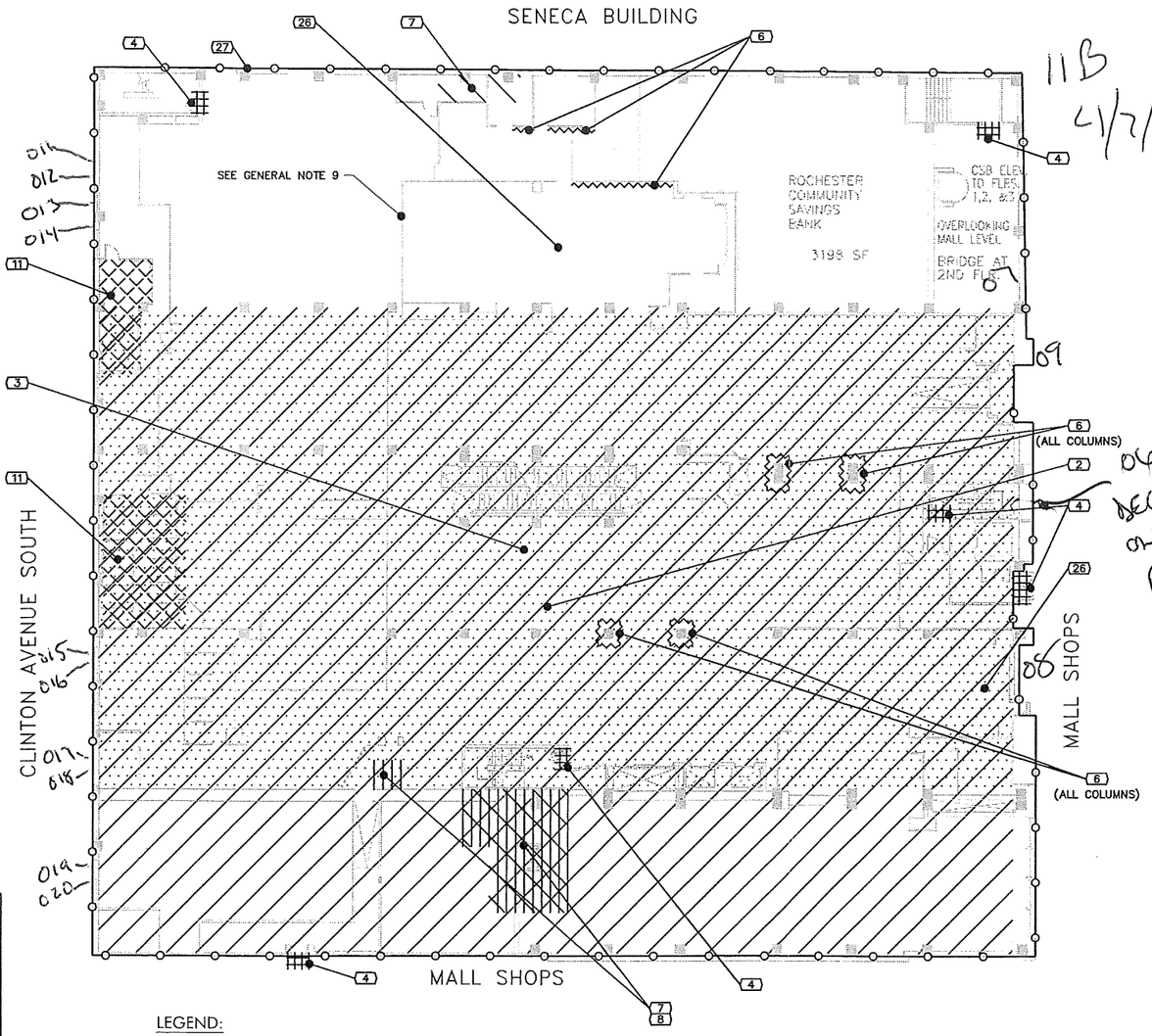
REVISIONS

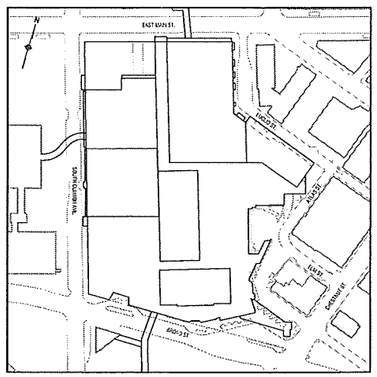
STATE OF NEW YORK · MARTIN J. WESOLOWSKI · NO. 074248 · LICENSED PROFESSIONAL ENGINEER

LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

PROJ. ENG.: M.J.W.	CLIENT: Empire State Development, 400 Andrews Street, Suite 100, Rochester, New York 14604-1409	JOB TITLE AND LOCATION: B. FORMAN BUILDING, MIDTOWN PLAZA COMPLEX, ROCHESTER, NEW YORK
DESIGNED BY: M.J.W.		LIRO JOB NO.: 08-21-104
CHECKED BY: R.F.K.		SHEET OF 3 8
DRAWN BY: A.M.K.	DATE: JANUARY 2009 / SCALE: 1" = 15'	DRAWING TITLE: 2ND FLOOR ASBESTOS ABATEMENT PLAN / FIGURE NO.: FB-A3

J:\08\21104_JM\Work Docs\CAD\ACAD\FINAL\ECP\MAIN ACM.DWG, 1/7/2009 2:09:56 PM, AMK





KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE	
ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
(2) FLOOR TILE/MASTIC	26,600 SF
(3) CEILING SYSTEMS	32,400 SF
(4) FIRE DOORS	6 EACH
(6) MIRROR MASTIC	1,200 SF
(7) PIPE INSULATION	400 LF
(8) FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
(11) DUCT INSULATION	800 SF
(26) LIGHT FIXTURES	180 EACH
(27) TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

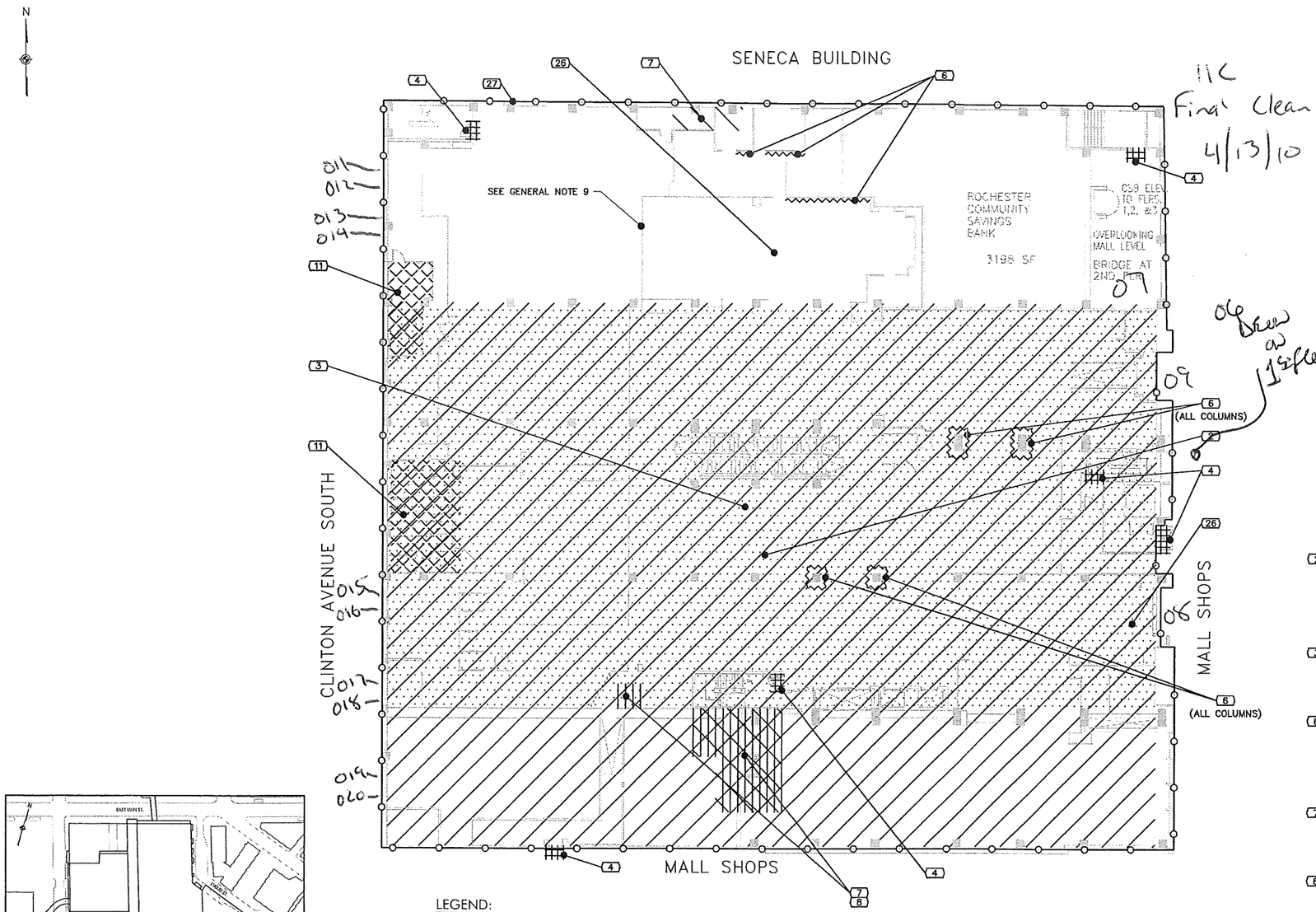
NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

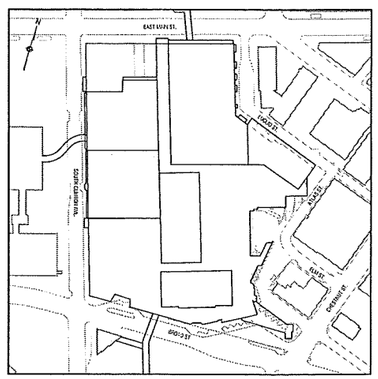
REVISIONS

STATE OF NEW YORK — MARTIN J. WESOLOWSKI — LICENSED PROFESSIONAL ENGINEER — NO. 075784

LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

PROJ. ENG.: M.J.W.	CLIENT: Empire State Development, 400 Andrews Street, Suite 100, Rochester, New York 14604-1409	JOB TITLE AND LOCATION: B. FORMAN BUILDING, MIDTOWN PLAZA COMPLEX, ROCHESTER, NEW YORK
DESIGNED BY: M.J.W.		LIRO JOB NO.: 08-21-104
CHECKED BY: R.F.K.		SHEET OF: 3 8
DRAWN BY: A.M.K.	DATE: JANUARY 2009	SCALE: 1" = 15'
	DRAWING TITLE: 2ND FLOOR ASBESTOS ABATEMENT PLAN	FIGURE NO.: FB-A3





KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE		
	ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
2	FLOOR TILE/MASTIC	26,600 SF
3	CEILING SYSTEMS	32,400 SF
4	FIRE DOORS	6 EACH
6	MIRROR MASTIC	1,200 SF
7	PIPE INSULATION	400 LF
8	FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
11	DUCT INSULATION	800 SF
26	LIGHT FIXTURES	180 EACH
27	TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

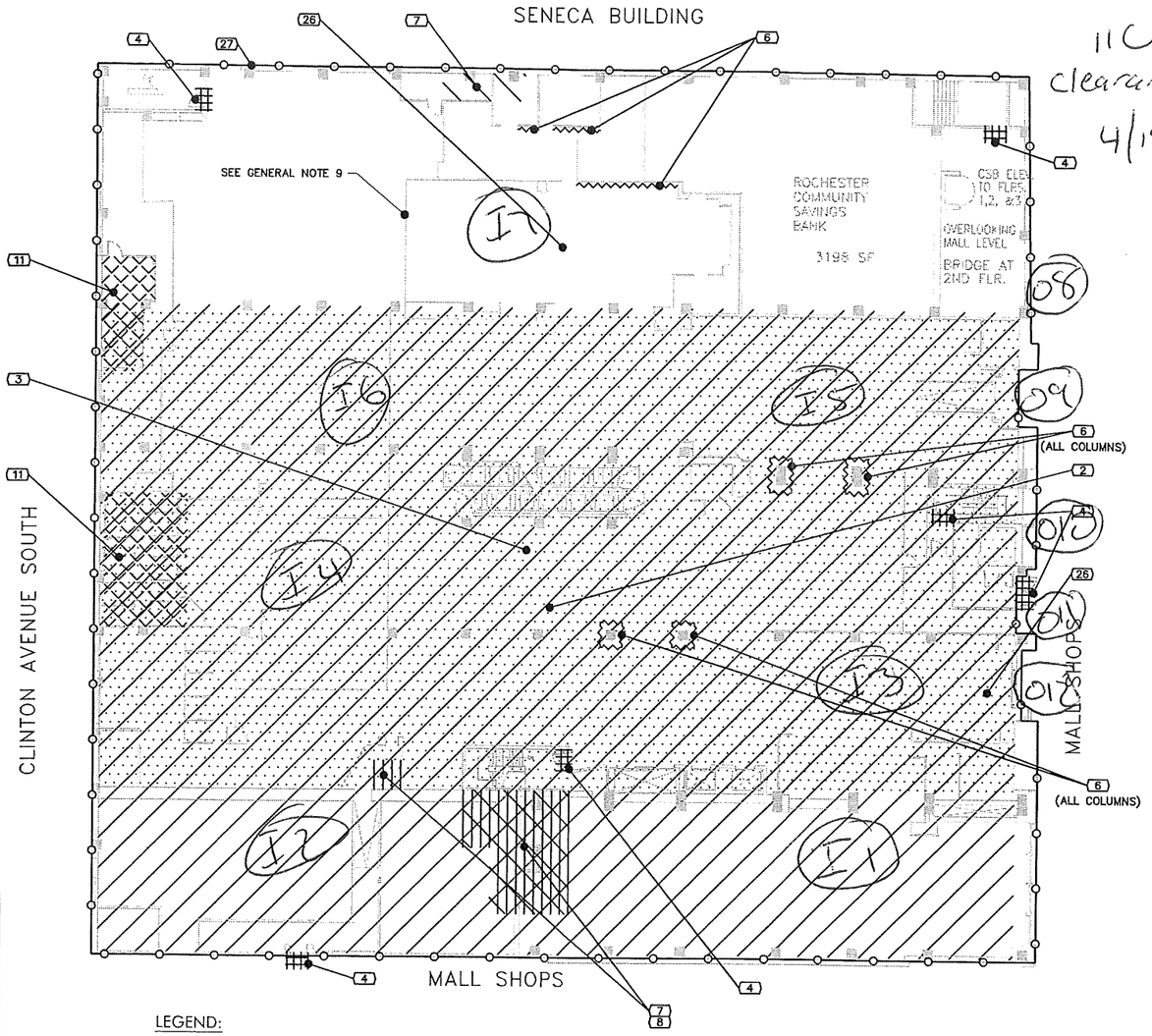
REVISIONS

STATE OF NEW YORK — MARVIN J. WESOLOWSKI — 080 074748 — LICENSED PROFESSIONAL ENGINEER

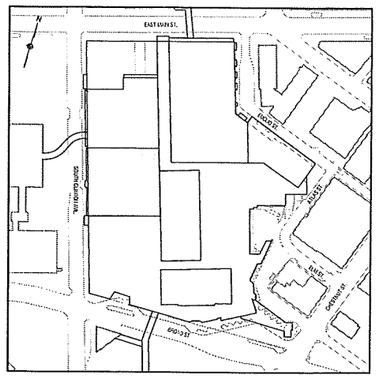
LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

PROJ. ENG.: M.J.W.	CLIENT: Empire State Development, 400 Andrews Street, Suite 100, Rochester, New York 14604-1409	JOB TITLE AND LOCATION: B. FORMAN BUILDING, MIDTOWN PLAZA COMPLEX, ROCHESTER, NEW YORK
DESIGNED BY: M.J.W.		LIRO JOB NO.: 08-21--104
CHECKED BY: R.F.K.		SHEET OF: 3 8
DRAWN BY: A.M.K.	DATE: JANUARY 2009	SCALE: 1" = 15'
	DRAWING TITLE: 2ND FLOOR ASBESTOS ABATEMENT PLAN	FIGURE NO.: FB-A3

H:\08\21104 - Midtown Plaza\CAD\ACAD\FBA\UFORMAN ACAD.DWG, 4/1/2009 2:03:45 PM, AMK



11C clearance 4/15/10



KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE		
	ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
(2)	FLOOR TILE/MASTIC	26,600 SF
(3)	CEILING SYSTEMS	32,400 SF
(4)	FIRE DOORS	6 EACH
(6)	MIRROR MASTIC	1,200 SF
(7)	PIPE INSULATION	400 LF
(8)	FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
(11)	DUCT INSULATION	800 SF
(26)	LIGHT FIXTURES	180 EACH
(27)	TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

REVISIONS

STATE OF NEW YORK MARVIN J. WEISHOLZ NO. 074286 LICENSED PROFESSIONAL ENGINEER

LiRo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

PROJ. ENG.:	M.J.W.
DESIGNED BY:	M.J.W.
CHECKED BY:	R.F.K.
DRAWN BY:	A.M.K.
DATE:	JANUARY 2009
SCALE:	1" = 15'

CLIENT: Empire State Development
400 Andrews Street, Suite 100
Rochester, New York 14604-1409

JOB TITLE AND LOCATION:
B. FORMAN BUILDING
MIDTOWN PLAZA COMPLEX
ROCHESTER, NEW YORK

LIRO JOB NO.: 08-21-104
SHEET OF: 3 8

DRAWING TITLE:
2ND FLOOR
ASBESTOS ABATEMENT PLAN

FIGURE NO.: FB-A3

J:\08\21104 - Midtown Plaza\CAD\ACMENAL\FORMAN ACM.DWG, 4/1/2009 2:03:45 PM, AMK

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐ / Air Technician: ☑ Mark Seeber Date: 5/20/10 Job Ticket #: ~~40221~~ 40198 MS

Building / Location: Midtown B-Forman Bldg Work Area: 2nd Floor Shift (A) B C

Project Description: Empire State Development Corp.

Client / Owner (Print Name) Client / Owner Representative (Print Name): Greg Client Contact (Print Name)

Abatement Contractor (Print Name): Cambria Abatement Supervisor (Print Name) NYSDOL Asbestos Handling Certificate Number

Map Completed: Yes ☑ No ☐ Rotometer Number: 56 Date of Last Calibration: 3/4/10

Project Phase: Phase IB ☐ Backgrounds Phase IIA ☐ Work Preparation samples Phase IIB ☐ Asbestos Handling Samples Phase IIC ☐ Final Cleaning Samples Phase IIC ☒ Clearance Air Samples

Job Type: Class I ☐ Class II ☒ Large ☐ Small ☒ Minor ☐

Type of Material: Mastic 52 (Sq/ft) Ln/ft Project with multiple removals ☐

Time of air sampling pump check: 1st Check 5:40 AM 2nd Check 6:45 AM 3rd Check 8:10 AM 4th Check 5th Check

Notes

Envoy on site and met with Mark of Cambria For todays job scope.

We Completed a project Monitor Insp. - Pass

I Set up IIC Final air Samples

Pumps checked at times above

Samples taken to Paradigm labs

Mark Seeber

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

☐ 179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311
☐ 1815 Love Road, Grand Island, NY 14072 Office (716)775-5777 Fax (716) 775-5778

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Lab Job # 6751-10
Job Ticket # 40221
Project # 09/1083

Empire State Development Corporation

Client: Rochester, NY
Building/Location: B-Forman Bldg / Work Area: 2nd Floor
Contractor: Cambria / Contractor Contact: Mark D.
Rotometer #: 56 / Cassette Lot #: T8208808279

Client Contact: Mark Smith / Client Contact Phone:
Air Technician: M. Seeber / Air Technician Phone: 414-5476
Fax Results To: / Fax #:
Materials to be Removed: Mastic (duct)

Project Phase: △ Phase IB ☐ Background; ☐ Phase IIA Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☒ X Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	1-1	1-2	1-3	0-4	0-5	0-6		B-1	B-2			
Pre-Calibrated Flow Rate	4	4	4	4	4	4						
Post-Calibrated Flow Rate	4	4	4	4	4	4						
Average Flow Rate	4	4	4	4	4	4						
Start Time Military Time	5:40	5:41	5:42	5:43	5:44	5:45						
End Time Military Time	8:10	8:11	8:12	8:13	8:14	8:15						
Duration (Minutes)	150	150	150	150	150	150						
Sample Volume (Liters)	600	600	600	600	600	600		0	0			

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ☐ Buf ELAP ID # 11955 ☒ Roch ELAP ID # 10958

Lab Sample #	45 770	771	772	773	774	775		776	777			
Fibers/100 Fields:	0	4	1	1	3.5	5		0	0			
Fibers/cc:	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						

Sampled by: Mark Seeber	Date: 5/20/10
Relinquished by: M.S.	Date: 5/20/10
Received in Lab By: JS	Date: 5/20/10
Analyzed By: JS	Date: 5/20/10
Microscope Make, Model & #: 221113	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments: Please call Mark called MS @ 10:13am 5/20

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

Envoy Environmental Consultants Inc.

Empire State Development

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: B-Forman Bldg. / 2nd Floor mastic Ticket # 40198

Project Description: ESDC | Work Area: Mark Smith | PROJECT # 09/1083

Client/Owner (Print Name) | Client/Owner Representative (print name)

Abatement Contractor: Cambria | Supervisor (print name): Marc DeFrancis | NYSDOL Asbestos Handling Certificate Number: 09-13704

Yes ☑ No ☐ | Supervisors Visual inspection Completed? | Supervisor Completing Visual Inspection (print name): Marc DeFrancis | NYSDOL Asbestos Handling Certificate Number: 09-13704 | Date

Project Monitor (Print Name): Mark Seeber | NYSDOL Asbestos Handling Certificate Number: 92-02379 | Date: 5/20/10

Site Emergency Phone:

Job Type: Class I ☐ Class II ☐ | Material: Mastic

Job Size: Large ☐ Small ☒ | Sq Ln Ft

Project Monitor Visual Inspection Checklist | Project with Multiple Removals ☐

Section A ☐

Inspectors Checklist	SAT	Needs Action	N/A
Equipment	*Not Required*		
1. Flashlight	☒	☐	☐
2. Knife or pointed object	☐	☐	☒
3. Respirator	☒	☐	☐
4. Hard Hat	☒	☐	☐
5. Safety Glasses	☒	☐	☐
6. Tyvex Suit	☒	☐	☐
7. Gloves	☐	☐	☒
Inspection	*Not Required*		
8. Enter all Spaces	☒	☐	☐
9. Inspect at Close Range	☒	☐	☐
Areas to Inspect	*Not Required*		
10. Permanent Fixtures	☐	☐	☒
11. Light Fixtures	☐	☐	☒
12. Ductwork	☒	☐	☐
13. Elevated Horizontal Surfaces	☒	☐	☐
14. Pipes	☐	☐	☒
15. Ceiling Grids/Sprinkler Heads	☐	☐	☒
16. Conduits	☐	☐	☒
17. Hauserman Channels	☐	☐	☒
18. Floor and Wall Penetrations	☒	☐	☐
19. Creases & Folds in Criticals	☒	☐	☐
20. Walls & Corners	☒	☐	☐
21. Floors	☒	☐	☐

Section B ☐

Visual Inspection	SAT	Needs Action	N/A
Personal Decontamination Unit	***Required to Pass***		
22. Clean & Free of Debris & Dust	☒	☐	☐
23. No Visible Pools of Liquid	☒	☐	☐
24. No condensation	☒	☐	☐
25. All Isolation Barriers intact	☒	☐	☐
Waste Decontamination Unit	***Required to Pass***		
26. Clean & Free of Debris & Dust	☒	☐	☐
27. No Visible Pools of Liquid	☒	☐	☐
28. No condensation	☒	☐	☐
29. All Isolation Barriers intact	☒	☐	☐
Regulated Abatement Work Area	***Required to Pass***		
30. No Visible Pools of Liquid	☒	☐	☐
31. No condensation	☒	☐	☐
32. All Criticals intact	☒	☐	☐
33. All Isolation Barriers Intact	☒	☐	☐
34. No Unremoved Materials	☒	☐	☐
35. No Visible Debris	☒	☐	☐
36. No Visible Dust	☒	☐	☐
37. Examine Contractor Equipment	☒	☐	☐
38. Negative Air in Operation	☒	☐	☐
39. No Debris or Water under Plastic	☒	☐	☐
40. Completeness of Abatement**	☒	☐	☐
41. Completeness of Clean-up**	☒	☐	☐

Section C ☐

Procedures/ Paperwork	SAT	Needs Action	N/A
Paperwork & Procedures	***Required to Pass***		
42. Written Scope of Work (attached)	☐	☐	☒
43. Verbal Scope of Work (see below)	☒	☐	☐
44. Supervisor Present	☒	☐	☐
45. Wait period observed	☒	☐	☐
Paperwork & Procedures	***Not Required***		
45. Area Asbestos Survey	☒	☐	☐
46. Sign into work area	☒	☐	☐
47. Sign out of work area	☒	☐	☐
48. Entry into Supervisors Log	☒	☐	☐
49. Detail Findings	☒	☐	☐
50. Enter Full Name	☒	☐	☐
51. Enter AH Cert. Number	☒	☐	☐
52. Worker Present	☒	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes — *Briefly list all deficiencies and target compliance dates*

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated are to remain also state this).

42- Verbal Scope OF work given by Mark of Cambria

Removal of Mastic Material From duct as per Code Rule 56

Supervisors Signature: Marc DeFrancis | Date: 5-20-10

Project Monitor Signature: Mark Seeber | Date: 5/20/10

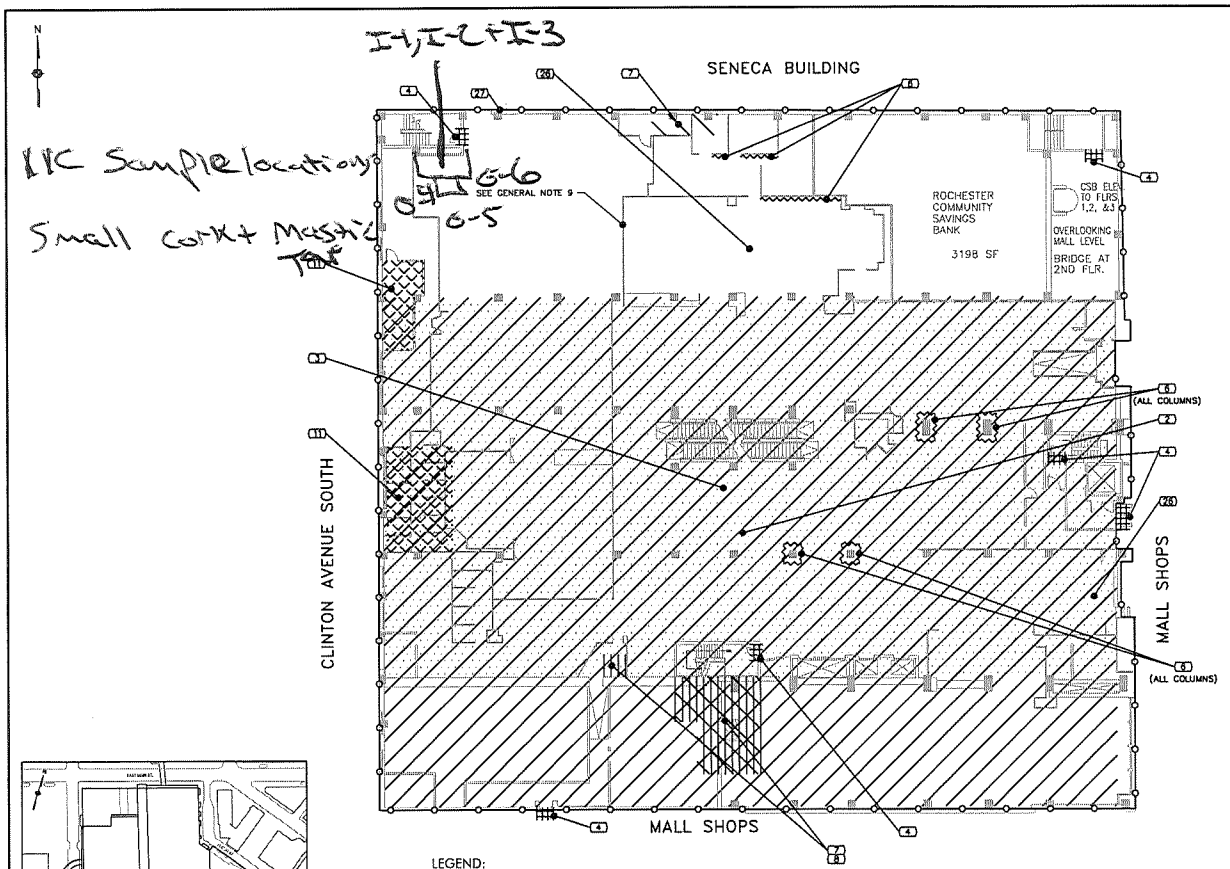
PASS ☑ *Area Cleared to proceed with Clearance Airs* | **FAIL** ☐ *Area needs Reclean and Reinspection*

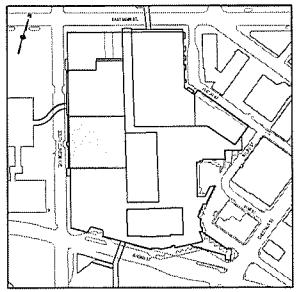
This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above crtical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: | On Date: | By:

FVI form

White - Envoy / Paradigm Yellow - LiRo Pink - Contractor





KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE		
ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED		QUANTITY
(2)	FLOOR TILE/MASTIC	26,600 SF
(3)	CEILING SYSTEMS	32,400 SF
(4)	FIRE DOORS	6 EACH
(6)	MIRROR MASTIC	1,200 SF
(7)	PIPE INSULATION	400 LF
(8)	FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
(11)	DUCT INSULATION	800 SF
(26)	LIGHT FIXTURES	180 EACH
(27)	TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

REVISIONS

Lilo Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

PROJ. ENG.: M.J.W.
DESIGNED BY: M.J.W.
CHECKED BY: R.F.K.
DRAWN BY: A.M.K.

CLIENT: Empire State Development
400 Andrews Street, Suite 100
Rochester, New York 14604-1409

DATE: JANUARY 2009
SCALE: 1" = 15'

JOB TITLE AND LOCATION:
B. FORMAN BUILDING
MIDTOWN PLAZA COMPLEX
ROCHESTER, NEW YORK

LIRO JOB NO.: 08-21-104
SHEET 3 OF 8

DRAWING TITLE:
2ND FLOOR
ASBESTOS ABATEMENT PLAN

FIGURE NO.: FB-A3

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Mark Seeber	*DATE: 5/20/2010*
Contract # 40198	*LiRo Job #: 09/1083*
HOURS: 0500 to 1530	*TASK: PM and 4 IIC finals*

TIME	*ACTIVITY - B Forman Bldg – 2nd, 3rd, 5th floors*
0500	Envoy on site and completed project monitor inspections on 4 areas – all passed.
0700	Cambria will finish clean up on B-Forman building today. All work will be on a general clean up throughout the building. They will remove some duct material from 5th, 3rd, and 2nd floors.
1230	Lunch
1300	I checked the containments and found water leaking from the 1F area. It was from a hose left on. It was taken care of.
1500	B-Forman is completed except for the basement. They need to remove ceiling debris and clean it up.

ENVOY
environmental consultants, inc.

Air Sampling Log Book 09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☑ Air Technician: ☑ Mark Seeber Date: 5/19/10 Job Ticket #: 40197

Building / Location: Midtown B- Forman Bldg Work Area: 2nd Floor - Tent F Shift (A) B C

Project Description

Empire State Development Corp. (Client / Owner (Print Name)) Mark Smith (Client Contact (Print Name))

Client / Owner Representative (Print Name)

Cambria (Abatement Contractor (Print Name))

Abatement Supervisor (Print Name)

NYSDOL Asbestos Handling Certificate Number

Yes ☑ No ☐ Map Completed

56 Rotometer Number

3/4/10 Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☒ Clearance Air Samples

Class I ☐ Class II ☒ Large ☐ Small ☐ Minor ☒

Job Type

Pipe Insulation Sq/ft (Ln/ft) Project with multiple removals ☐

Type of Material

1st Check 5:40 AM 2nd Check 6:50 AM 3rd Check 8:10 AM 4th Check 5th Check

Time of air sampling pump check

Notes

Envoy on Site and Met Mark of Cambria For ~~today~~ project Monitor Inspection - Passed

I Set up IIc Final air Samples

Samples checked at times above

Samples taken to Paradigm labs

Mark Seeber

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311
1815 Love Road, Grand Island, NY 14072 Office (716)775-5777 Fax (716) 775-5778

Lab Job # 6704-10
Job Ticket # 40197
Project # 09/1083

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

6704-10

Empire State Development Corporation

Client: Rochester, NY B-Forman Bldg. / 2nd Floor Tent F
Client Contact: Mark Smith
Client Contact Phone: M. Seeber 414-5476
Building/Location: Cambria
Work Area: Mark D
Air Technician:
Air Technician Phone:
Contractor: 56
Contractor Contact: T8208808179
Fax Results To: Pipe Ins.
Fax #:
Rotometer #:
Cassette Lot #:
Materials to be Removed:

Project Phase: △ Phase IB ☐ Background | ☐ Phase IIA Work Area Preparation | ⬆ Phase IIB Asbestos Handling | ⬆ Phase IIC Final Cleaning | ○ Phase IIC ☒ Clearance Airs | ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	1-1	0-2		B-1	B-2							
Pre-Calibrated Flow Rate	4	4										
Post-Calibrated Flow Rate	4	4										
Average Flow Rate	4	4										
Start Time Military Time	5:40 AM	5:41 AM										
End Time Military Time	8:10 AM	8111										
Duration (Minutes)	150	150										
Sample Volume (Liters)	600	600										

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ☐ Buf ELAP ID # 11955 ☐ Roch ELAP ID # 10958

Lab Sample #	45 463	464		465	466							
Fibers/100 Fields:	0	1		0	0							
Fibers/cc:	<0.01	<0.01		0	0							

Sampled by: Mark Seeber	Date: 5/19/10
Relinquished by: M.S.	Date: 5/19/10
Received in Lab By: JS	Date: 5/19/10
Analyzed By: JS	Date: 5/19/10
Microscope Make, Model & #: 22113	Turn-around Time: (Immed.) 24 Hr. 48 Hr.

Comments: Please call Mark called MS@ 9:44am by JS 5/19

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

Envoy Environmental Consultants Inc.

Empire State Development

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: B. Forman Bldg. / 2nd Floor - P.I. / Tent F Job Ticket # 40197

Project Description: ESDC Work Area: Mark Smith PROJECT # 09/1083

Client/Owner (Print Name) Client/Owner Representative (print name)

Abatement Contractor: Cambria Supervisor (print name): Mark DeMonte NYSDOL Asbestos Handling Certificate Number: 09-13704

Supervisors Visual inspection Completed? Yes ☑ No ☐ Supervisor Completing Visual Inspection (print name): Mark DeMonte NYSDOL Asbestos Handling Certificate Number: 09-13704 Date

Project Monitor (Print Name): Mark Seeber NYSDOL Asbestos Handling Certificate Number: 92-02379 Date: 5/19/10

Site Emergency Phone:

Job Type: Class I ☐ Class II ☒ Pipe Insulation

Job Size: Large ☐ Small ☐ Material: Mixed ☒ Sq (Ln) Ft

Project with Multiple Removals ☐

Project Monitor Visual Inspection Checklist

Section A ☐				Section B ☐				Section C ☐			
Inspectors Checklist	SAT	Needs Action	N/A	Visual Inspection	SAT	Needs Action	N/A	Procedures/ Paperwork	SAT	Needs Action	N/A
Equipment	Not Required			**Personal Decontamination Unit**	**Required to Pass**			**Paperwork & Procedures**	**Required to Pass**		
1. Flashlight	☒	☐	☐	22. Clean & Free of Debris & Dust	☒	☐	☐	42. Written Scope of Work (attached)	☐	☐	☒
2. Knife or pointed object	☐	☐	☒	23. No Visible Pools of Liquid	☒	☐	☐	43. Verbal Scope of Work (see below)	☒	☐	☐
3. Respirator	☒	☐	☐	24. No condensation	☒	☐	☐	44. Supervisor Present	☒	☐	☐
4. Hard Hat	☒	☐	☐	25. All Isolation Barriers intact	☒	☐	☐	45. Wait period observed	☒	☐	☐
5. Safety Glasses	☒	☐	☐	**Waste Decontamination Unit**	**Required to Pass**						
6. Tyvex Suit	☒	☐	☐	26. Clean & Free of Debris & Dust	☒	☐	☐	**Paperwork & Procedures**	**Not Required**		
7. Gloves	☐	☐	☒	27. No Visible Pools of Liquid	☒	☐	☐	45. Area Asbestos Survey	☒	☐	☐
Inspection	Not Required			28. No condensation	☒	☐	☐	46. Sign into work area	☒	☐	☐
8. Enter all Spaces	☒	☐	☐	29. All Isolation Barriers intact	☒	☐	☐	47. Sign out of work area	☒	☐	☐
9. Inspect at Close Range	☒	☐	☐	**Regulated Abatement Work Area**	**Required to Pass**			48. Entry into Supervisors Log	☒	☐	☐
Areas to Inspect	Not Required			30. No Visible Pools of Liquid	☒	☐	☐	49. Detail Findings	☒	☐	☐
10. Permanent Fixtures	☐	☐	☒	31. No condensation	☒	☐	☐	50. Enter Full Name	☒	☐	☐
11. Light Fixtures	☐	☐	☒	32. All Criticals intact	☒	☐	☐	51. Enter AH Cert. Number	☒	☐	☐
12. Ductwork	☐	☐	☒	33. All Isolation Barriers Intact	☒	☐	☐	52. Worker Present	☒	☐	☐
13. Elevated Horizontal Surfaces	☒	☐	☐	34. No Unremoved Materials	☒	☐	☐		☐	☐	☐
14. Pipes	☒	☐	☐	35. No Visible Debris	☒	☐	☐		☐	☐	☐
15. Ceiling Grids/Sprinkler Heads	☐	☐	☒	36. No Visible Dust	☒	☐	☐		☐	☐	☐
16. Conduits	☐	☐	☒	37. Examine Contractor Equipment	☒	☐	☐		☐	☐	☐
17. Hauserman Channels	☐	☐	☒	38. Negative Air in Operation	☒	☐	☐		☐	☐	☐
18. Floor and Wall Penetrations	☐	☐	☒	39. No Debris or Water under Plastic	☒	☐	☐		☐	☐	☐
19. Creases & Folds in Criticals	☒	☐	☐	40. Completeness of Abatement**	☒	☐	☐		☐	☐	☐
20. Walls & Corners	☒	☐	☐	41. Completeness of Clean-up**	☒	☐	☐		☐	☐	☐
21. Floors	☒	☐	☐		☐	☐	☐		☐	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes *Briefly list all deficiencies and target compliance dates*

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below. if materials within the regulated are to remain also state this).

#42- Verbal Scope of work given by Mark of Cambria

Removal of Insulation From Pipe as per Code Rule 56

Supervisors Signature: Mark DeMonte Date: 5-19-10

Project Monitor Signature: Mark Seeber Date: 5/19/10

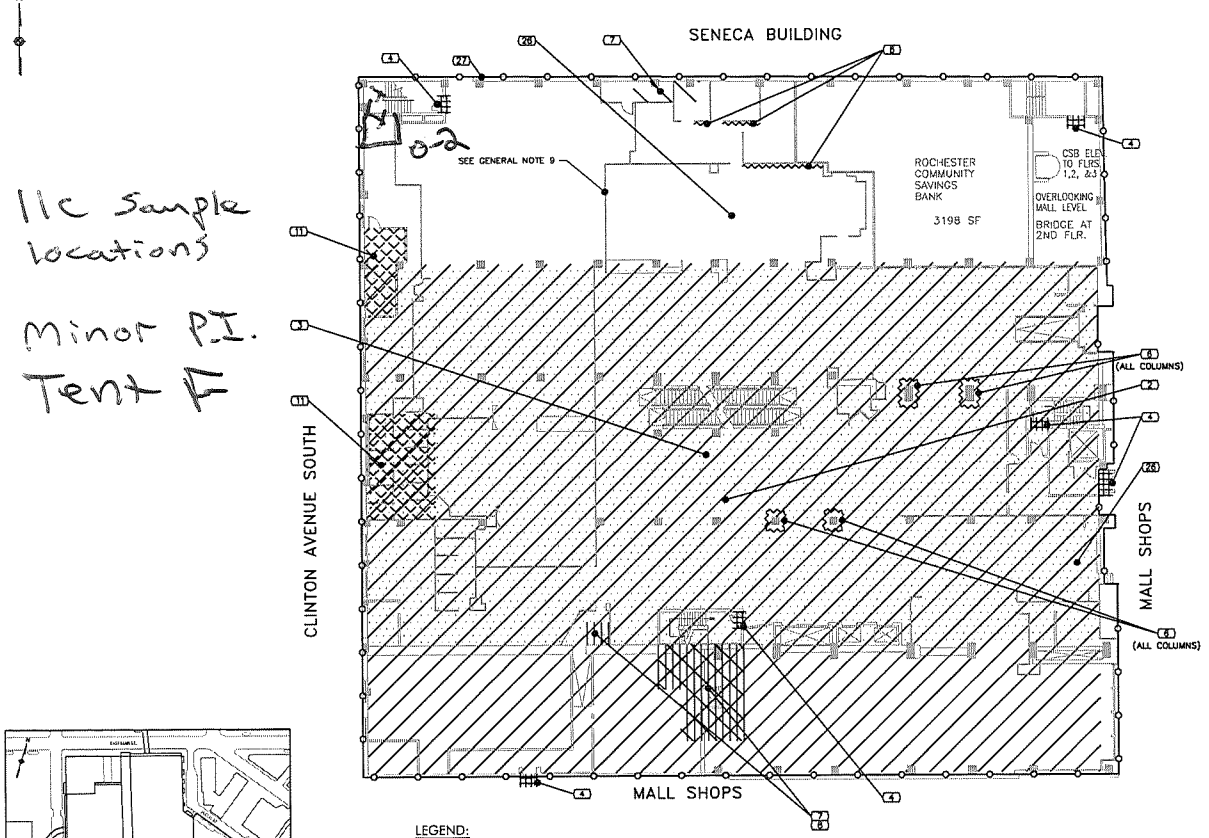
PASS ☑ *Area Cleared to proceed with Clearance Airs* **FAIL** ☐ *Area needs Reclean and Reinspection*

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above crtical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: On Date: By:

FVI form

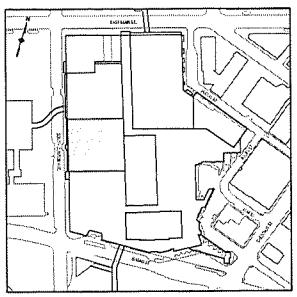
White - Envoy / Paradigm Yellow - LiRo Pink - Contractor



11c Sample locations

Minor P.I.

Tent F



KEY PLAN
N.T.S.

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE		
	ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
(2)	FLOOR TILE/MASTIC	26,600 SF
(3)	CEILING SYSTEMS	32,400 SF
(4)	FIRE DOORS	6 EACH
(6)	MIRROR MASTIC	1,200 SF
(7)	PIPE INSULATION	400 LF
(8)	FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
(11)	DUCT INSULATION	800 SF
(26)	LIGHT FIXTURES	180 EACH
(27)	TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(26) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUGHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

REVISIONS

Liberty Engineering, P.C. 690 Delaware Ave. Buffalo, New York

PROJ. ENG.: M.J.W.
DESIGNED BY: M.J.W.
CHECKED BY: R.F.K.
DRAWN BY: A.M.K.

CLIENT: Empire State Development, 400 Andrews Street, Suite 100, Rochester, New York 14604-1409

DATE: JANUARY 2009
SCALE: 1" = 15'

JOB TITLE AND LOCATION:
B. FORMAN BUILDING
MIDTOWN PLAZA COMPLEX
ROCHESTER, NEW YORK

DRAWING TITLE:
2ND FLOOR
ASBESTOS ABATEMENT PLAN

URS JOB NO.: 08-21-104
SHEET OF: 3 8
FIGURE NO.: FB-A3

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement Daily Summary Report

NAME: Mark Seeber	*DATE: 5/19/2010*
Contract # 40197	*LiRo Job #: 09/1083*
HOURS: 0500 to 1730	*TASK: 4 FVI, 4 IIC Finals*

TIME	*ACTIVITY - B Forman Bldg – 2nd Floor Tents F & G, 5th Floor P.I. and Basement Duct Mastic*
0500	I met with Mark of Cambria to complete project monitor inspections. All passed
	I set up IIC Final air samples for basement duct mastic small project. The 2nd floor P.I. minor tents F and G and the 5th floor small P.I. Project
0700	Cambria is working on clean up throughout the B-Forman building. They are cleaning up all loose debris from floors.
0830	Ted took final air samples to Paradigm
0930	The lab called – all finals passed. Cambria broke down all 4 containments.
1230	Lunch
1300	More work on Clean up.
1500	Cambria to stay late to work on basement debris. They are putting metal material in dumpsters. They are removing ceiling material to 1st floor staging area.
1600	Cambria had equipment problems. They stopped work in basement and started work on 1st floor clean up.
	I did check through the debris in the basement. It all looked non-asbestos. No hot material in the debris.

ENVOY
environmental consultants, inc.

Air Sampling Log Book

09/1083

As per 12NYCRR amended January 11, 2006

Project Monitor: ☑
Air Technician: ☑ Mark Seeber Date: 5/19/10 Job Ticket #: 40197

Building / Location: Midtown B-Forman Work Area: 2nd Floor-Tent G Shift (A) B C

Project Description

Empire State Development Corp. (Client / Owner (Print Name)) | Mark Smith (Client / Owner Representative (Print Name)) | Client Contact (Print Name)

Cambria (Abatement Contractor (Print Name)) | Abatement Supervisor (Print Name) | NYSDOL Asbestos Handling Certificate Number

Yes ☑ No ☐ Map Completed | 56 Rotometer Number | 3/4/10 Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds | Phase IIA ☐ Work Preparation samples | Phase IIB ☐ Asbestos Handling Samples | Phase IIC ☐ Final Cleaning Samples | Phase IIC ☒ Clearance Air Samples

Job Type: Class I ☐ | Class II ☒ | Large ☐ | Small ☐ | Minor ☑

Type of Material: Pipe Insulation Sq/ft (Ln/ft) Project with multiple removals ☐

1st Check 5:45 AM 2nd Check 6:55 AM 3rd Check 8:15 AM 4th Check 5th Check

Time of air sampling pump check

Notes

Envoy on site and met with Mark of Cambria
For Project Monitor Inspection - Passed

I set up IIC Final air Samples

Samples checked at times above

Samples taken to Paradigm labs

Mark Seeber

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311
1815 Love Road, Grand Island, NY 14072 Office (716)775-5777 Fax (716) 775-5778

Lab Job # 6703-10
Job Ticket # 40197
Project # 09/1083

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

6703-10

Empire State Development Corporation

Client: Rochester, NY B-Forman Bldg/2nd Floor Tent G	Client Contact: Mark Smith
Building/Location: Cambria — Work Area: Mark D	Client Contact Phone: M. Seeber 414-5476
Contractor: 56 — Contractor Contact: T8208808179	Air Technician — Air Technician Phone
Rotometer # — Cassette Lot #	Fax Results To: Pipe Ins. — Fax #
	Materials to be Removed

Project Phase: △ Phase IB ☐ Background; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☒ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	1-1	0-2		B-1	B-2							
Pre-Calibrated Flow Rate	4	4										
Post-Calibrated Flow Rate	4	4										
Average Flow Rate	4	4										
Start Time Military Time	5:45	5:46										
End Time Military Time	8:15	8:16										
Duration (Minutes)	150	150										
Sample Volume (Liters)	600	600		0	0							

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ☐ Buf ELAP ID # 11955 ☐ Roch ELAP ID # 10958

Lab Sample #	459	460		461	462							
Fibers/100 Fields:	1.5	3		0	0							
Fibers/cc:	<0.01	<0.01		—	—							

Sampled by: Mark Seeber	Date: 5/19/10
Relinquished by: M.S	Date: 5/19/10
Received in Lab By: JS	Date: 5/19/10
Analyzed By: JS	Date: 5/19/10
Microscope Make, Model & #: dd113	Turn-around Time: (Immed.) 24 Hr. 48 Hr.

Comments: Please call Mark called ms@ 9:44am by JS 5/19

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

Envoy Environmental Consultants Inc.

Empire State Development

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: B-Forman Bldg. / 2nd Floor tent G Job Ticket # 40197

Project Description: ESDC Work Area: Mark Smith PROJECT # 09/1083

Client//Owner (Print Name): Cambria Client/Owner Representative (print name): Mark DeSanto NYSDOL Asbestos Handling Certificate Number: 09-13704

Abatement Contractor: Supervisor (print name): Mark DeSanto NYSDOL Asbestos Handling Certificate Number: 09-13704

Yes ☑ No ☐ Supervisors Visual inspection Completed? Supervisor Completing Visual Inspection (print name) NYSDOL Asbestos Handling Certificate Number Date

Project Monitor (Print Name): Mark Seeber NYSDOL Asbestos Handling Certificate Number: 92-02379 Date: 5/19/10

Site Emergency Phone:

Job Type: Class I ☐ Class II ☒ Pipe Insulation

Job Size: Large ☐ Small ☐ Material minor ☒ Sq Ln Ft

Project with Multiple Removals ☐

Project Monitor Visual Inspection Checklist

Section A ☐				Section B ☐				Section C ☐			
Inspectors Checklist	SAT	Needs Action	N/A	Visual Inspection	SAT	Needs Action	N/A	Procedures/ Paperwork	SAT	Needs Action	N/A
Equipment	Not Required			**Personal Decontamination Unit**	Required to Pass			**Paperwork & Procedures**	Required to Pass		
1. Flashlight	☒	☐	☐	22. Clean & Free of Debris & Dust	☒	☐	☐	42. Written Scope of Work (attached)	☐	☐	☒
2. Knife or pointed object	☐	☐	☒	23. No Visible Pools of Liquid	☒	☐	☐	43. Verbal Scope of Work (see below)	☒	☐	☐
3. Respirator	☒	☐	☐	24. No condensation	☒	☐	☐	44. Supervisor Present	☒	☐	☐
4. Hard Hat	☒	☐	☐	25. All Isolation Barriers intact	☒	☐	☐	45. Wait period observed	☒	☐	☐
5. Safety Glasses	☒	☐	☐	**Waste Decontamination Unit**	Required to Pass						
6. Tyvex Suit	☒	☐	☐	26. Clean & Free of Debris & Dust	☒	☐	☐	**Paperwork & Procedures**	Not Required		
7. Gloves	☐	☐	☒	27. No Visible Pools of Liquid	☒	☐	☐	45. Area Asbestos Survey	☒	☐	☐
Inspection	Not Required			28. No condensation	☒	☐	☐	46. Sign into work area	☒	☐	☐
8. Enter all Spaces	☒	☐	☐	29. All Isolation Barriers intact	☒	☐	☐	47. Sign out of work area	☒	☐	☐
9. Inspect at Close Range	☒	☐	☐	**Regulated Abatement Work Area**	Required to Pass			48. Entry into Supervisors Log	☒	☐	☐
Areas to Inspect	Not Required			30. No Visible Pools of Liquid	☒	☐	☐	49. Detail Findings	☒	☐	☐
10. Permanent Fixtures	☐	☐	☒	31. No condensation	☒	☐	☐	50. Enter Full Name	☒	☐	☐
11. Light Fixtures	☐	☐	☒	32. All Criticals intact	☒	☐	☐	51. Enter AH Cert. Number	☒	☐	☐
12. Ductwork	☐	☐	☒	33. All Isolation Barriers Intact	☒	☐	☐	52. Worker Present	☒	☐	☐
13. Elevated Horizontal Surfaces	☒	☐	☐	34. No Unremoved Materials	☒	☐	☐		☐	☐	☐
14. Pipes	☒	☐	☐	35. No Visible Debris	☒	☐	☐		☐	☐	☐
15. Ceiling Grids/Sprinkler Heads	☐	☐	☒	36. No Visible Dust	☒	☐	☐		☐	☐	☐
16. Conduits	☐	☐	☒	37. Examine Contractor Equipment	☒	☐	☐		☐	☐	☐
17. Hauserman Channels	☐	☐	☒	38. Negative Air in Operation	☒	☐	☐		☐	☐	☐
18. Floor and Wall Penetrations	☒	☐	☐	39. No Debris or Water under Plastic	☒	☐	☐		☐	☐	☐
19. Creases & Folds in Criticals	☒	☐	☐	40. Completeness of Abatement**	☒	☐	☐		☐	☐	☐
20. Walls & Corners	☒	☐	☐	41. Completeness of Clean-up**	☒	☐	☐		☐	☐	☐
21. Floors	☒	☐	☐		☐	☐	☐		☐	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes Briefly list all deficiencies and target compliance dates

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below. if materials within the regulated are to remain also state this).

#42 Verbal Scope of Work given by Mark of Cambria

Removal of Insulation From pipe as per Code Rule 56

Supervisors Signature: Mark DeSanto Date: 5-19-10

Project Monitor Signature: Mark Seeber Date: 5/19/10

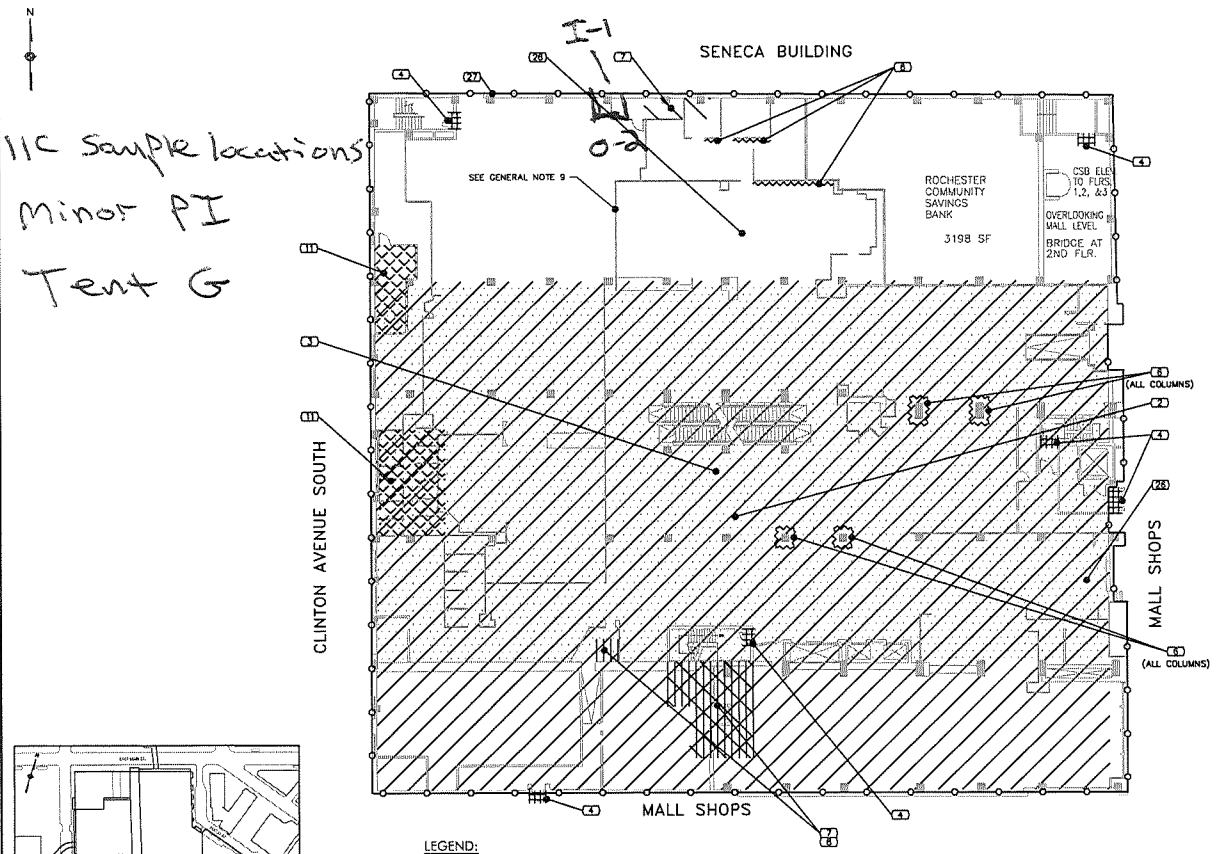
PASS ☑ Area Cleared to proceed with Clearance Airs FAIL ☐ Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above crtical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

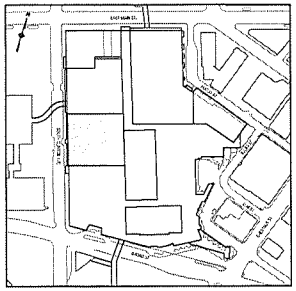
Copy delivered to: On Date: By:

FVI form

White - Envoy / Paradigm Yellow - LiRo Pink - Contractor



11C Sample locations
Minor PI
Tent G



KEY PLAN
N.T.S.

LEGEND:

PIPE CHASE

SECOND FLOOR ASBESTOS ABATEMENT SCHEDULE	
ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
(2) FLOOR TILE/MASTIC	26,600 SF
(3) CEILING SYSTEMS	32,400 SF
(4) FIRE DOORS	6 EACH
(6) MIRROR MASTIC	1,200 SF
(7) PIPE INSULATION	400 LF
(8) FITTINGS ON FIBERGLASS PIPE INSULATION	50 EACH
(11) DUCT INSULATION	800 SF
(28) LIGHT FIXTURES	180 EACH
(27) TAR ON PERIMETER WALLS	8,900 SF

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF AS NECESSARY FOR THE CONTRACTOR TO PERFORM THE INDICATED WORK. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR WALLS AND PARTITIONS. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL NOTE THAT MULTIPLE CEILING LAYERS CONSISTING OF DROP CEILINGS AND FIXED PLASTER CEILINGS EXIST. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF ALL CEILING LAYERS AS REQUIRED TO PERFORM THE INTENDED WORK.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERIOR DEMOLITION ACTIVITIES. THE CONTACTOR SHALL PERFORM INTERIOR DEMOLITION ACTIVITIES ON ALL AREAS OF THE BUILDINGS INCLUDING AREAS WHERE ACM AND HAZARDOUS MATERIALS REMOVAL IS NOT REQUIRED. THE CONTRACTOR SHALL CONDUCT SITE INSPECTIONS TO VERIFY THE EXTENT AND COMPLEXITY OF THE INTERIOR DEMOLITION. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF ALL INTERIOR SOFT MATERIALS, WOOD, DRYWALL, PLASTER, FLOOR COVERINGS, MULTIPLE CEILINGS, FIXED AND NON FIXED CABINETS, DISPLAY CASES AND REMAINING SITE DEBRIS THROUGHOUT THE PROJECT BUILDINGS. ALL RESULTING WASTES SHALL BE DISPOSED OF AT A FACILITY PERMITTED TO ACCEPT SUCH WASTE. THE REMOVAL HANDING AND DISPOSAL OF THE MATERIAL WASTES SHALL COMPLY WITH ALL APPLICABLE REGULATIONS (NYSDOL, NYSDEC AND USEPA).

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. RESIDUAL FLOOR TILE MASTIC IS PRESENT THROUGHOUT THE FLOOR AREA LOCATED UNDER CARPETING AND OTHER FLOOR SURFACING MATERIALS. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC FROM THE ENTIRE FLOOR SURFACE INCLUDING ANY AND ALL SURFACING MATERIALS.

(3) CEILING SYSTEM ABATEMENT AND REMOVAL SHALL INCLUDE ABATEMENT, REMOVAL AND DISPOSAL OR DECONTAMINATION OF ALL MATERIALS ABOVE THE DROP CEILING, PLASTER CEILING, INCLUDING THE CEILINGS. THE CONTRACTOR SHALL ASSUME THAT ALL MATERIALS HAVE BEEN CONTAMINATED WITH ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO ABATE, REMOVE AND DISPOSE OF OR DECONTAMINATE AND DISPOSE OF THE MATERIAL IN ACCORDANCE WITH SECTION 02080.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(7) PIPE INSULATION ABATEMENT SHALL INCLUDE THE ABATEMENT REMOVAL AND DISPOSAL OF ALL PIPE INSULATION AND FITTINGS INCLUDING FIBERGLASS INSULATION UNLESS OTHERWISE APPROVED BY THE PROJECT MONITOR. DUE TO PREVIOUS MAINTENANCE ACTIVITIES PIPING RUNS CONTAIN BOTH ACM AND NON-ACM SECTIONS OF INSULATING MATERIAL. IT IS THE INTENT OF THIS PROJECT TO REMOVE AND DISPOSE OF ALL PIPE INSULATING MATERIAL TO INSURE ALL ACM INSULATION IS PROPERLY REMOVED.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILINGS THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES.

(28) LIGHTING FIXTURES ARE INSTALLED RECESSED WITHIN FIXED PLASTER CEILINGS. THE LIGHTING FIXTURES CONTAIN AN ACM PAPER HEAT SHIELD. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO REMOVE AND DISPOSE OF THE ACM HEAT SHIELD IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080.

(27) AN ACM TAR WATERPROOFING/VAPOR BARRIER HAS BEEN APPLIED TO THE INTERIOR PERIMETER WALLS AND ON PIPE/HVAC CHASES THROUCHOUT THE FLOOR LEVEL. IN NUMEROUS INTERIOR AREAS PLASTER HAS BEEN APPLIED OVER ACM TAR WATERPROOFING/VAPOR BARRIER. THE TAR HAS BEEN COVERED BY HVAC DUCTS AND EQUIPMENT, DRYWALL, PLASTER WALLS AND OTHER SURFACE COVERINGS. THE CONTRACTOR SHALL PERFORM EXPLORATORY DEMOLITION WORK AT THE DIRECTION OF THE PROJECT MONITOR TO LOCATE ADDITIONAL AREAS OF TAR WATERPROOFING/VAPOR BARRIER. THE CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION REQUIRED TO REMOVE AND DISPOSE OF THE TAR AND ALL SURFACES IN CONTACT WITH THE TAR IN ACCORDANCE WITH NYSDOL ICR 56 AND SPECIFICATION SECTION 02080. THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN SPECIFIC TO THIS WORK ITEM OUTLINING THE PROPOSED ABATEMENT APPROACH FOR APPROVAL OF THE CONSTRUCTION MANAGER.

Scale: 0 15 30 Ft.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

REVISIONS

STATE OF NEW YORK — DAVID L. WOLFORD — 40 DITCH — PROFESSIONAL ENGINEER

Life Engineers, Inc.
890 Delaware Ave.
Buffalo, New York

PROJ. ENG.:	M.J.W.
DESIGNED BY:	M.J.W.
CHECKED BY:	R.F.K.
DRAWN BY:	A.M.K.

CLIENT: Empire State Development
400 Andrews Street, Suite 100
Rochester, New York 14604-1409

DATE: JANUARY 2009

SCALE: 1" = 15'

JOB TITLE AND LOCATION:
B. FORMAN BUILDING
MIDTOWN PLAZA COMPLEX
ROCHESTER, NEW YORK

LIRO JOB NO.: 08-21-104

SHEET 3 OF 8

DRAWING TITLE:
2ND FLOOR
ASBESTOS ABATEMENT PLAN

FIGURE NO.: FB-A3

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Mark Seeber	*DATE: 5/19/2010*
Contract # 40197	*LiRo Job #: 09/1083*
HOURS: 0500 to 1730	*TASK: 4 FVI, 4 IIC Finals*

TIME	*ACTIVITY - B Forman Bldg – 2nd Floor Tents F & G, 5th Floor P.I. and Basement Duct Mastic*
0500	I met with Mark of Cambria to complete project monitor inspections. All passed
	I set up IIC Final air samples for basement duct mastic small project. The 2nd floor P.I. minor tents F and G and the 5th floor small P.I. Project
0700	Cambria is working on clean up throughout the B-Forman building. They are cleaning up all loose debris from floors.
0830	Ted took final air samples to Paradigm
0930	The lab called – all finals passed. Cambria broke down all 4 containments.
1230	Lunch
1300	More work on Clean up.
1500	Cambria to stay late to work on basement debris. They are putting metal material in dumpsters. They are removing ceiling material to 1st floor staging area.
1600	Cambria had equipment problems. They stopped work in basement and started work on 1st floor clean up.
	I did check through the debris in the basement. It all looked non-asbestos. No hot material in the debris.

Certifications

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JARROD D MINER
CLASS(EXPIRES)
C ATEC(06/11) H PM (06/11)

CERT# 10-00223
DMV# 845680311

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JOSHUA R SCHEUERMANN .
CLASS(EXPIRES) .
C ATEC(10/10) H PM (10/10)

CERT# 10-00221
DMV# 358570242

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

MARK D SEIBER
CLASS(EXPIRES)
CATEG(11/10): D INSP(11/10)
H PM (11/10)

CERT# 92-02379
DMV# 869921639

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

THEODORE A TRONNES
CLASS(EXPIRES):
C/ATEC(06/10) D INSP(06/10)
M/PM (06/10)

CERT# 07-00223
DMV# 775062693
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: 06/19/2009
EXPIRATION DATE: 06/30/2010

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, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Mr. Bruce Hoogesteger
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: bhoogesteger@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

2009-07-01 through 2010-06-30
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).

2009-07-01 through 2010-06-30
Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

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

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

Expires 12:01 AM April 01, 2010
Issued April 01, 2009
Revised September 16, 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 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	
	EPA 3050B

Serial No.: 40520

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 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: 06/19/2009
EXPIRATION DATE: 06/30/2010

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, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

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

Expires 12:01 AM April 01, 2010
Issued April 01, 2009
Revised September 16, 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 for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:.

Miscellaneous Air	
Asbestos	NIOSH 7402
	YAMATE,AGARWAL GIBB
Fibers	NIOSH 7400 A RULES

Serial No.: 40521

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
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-Nitrosodi-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.

NELAP Recognized

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Mr. Bruce Hoogesteger
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: bhoogesteger@paradigmenv.com
URL: http://www.paradigmenv.com

AIRBORNE ASBESTOS FIBER ANALYSIS (TEM) NVLAP LAB CODE 200530-0

NVLAP Code	*Designation / Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

2009-07-01 through 2010-06-30
Effective dates

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

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:

AIRBORNE 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).

2009-07-01 through 2010-06-30
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)