

**MONROE COUNTY
NEW YORK**

ADDENDUM No. 1 to SPECIFICATIONS AND RELATED DOCUMENTS

FOR

GENERAL AVIATION APRON RECONSTRUCTION AND BUILDING DEMOLITION

**DATE: NOVEMBER 16, 2012
FAA AIP No. 3-36-0102-81-13
NYS DOT PIN 4908.84**



TO ALL BIDDERS:

The following constitutes ADDENDUM NO. 1 of the Contract Documents. Each Bidder shall acknowledge receipt of this addendum on Page ADD1-P-4 of the PROPOSAL.

All Revisions to the Drawings called for in this Addendum shall be reflected in the construction drawings issued to the successful bidder at the project Pre-Construction meeting.

Sheets ADD1-1 thru ADD1-6, Proposal ADD1-P-1 thru ADD1-P-18 and ADD1-201-1 thru ADD1-201-3, and the Pre-Demolition Asbestos-Containing Materials Survey Report (34 pages).

Prepared By:

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16 West Main Street
Suite 830
Rochester, NY 14614

Prepared For:

Greater Rochester International Airport
1200 Brooks Avenue
Rochester, NY 14624

CONTRACT DRAWINGS:

A. Revisions to the Drawings

1. Legend and Schedule of Quantities (SQ-1)

Added Item 201.06.

<i>Item 201.06</i>	<i>Clearing and Grubbing</i>	<i>LS</i>	<i>1</i>
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Revised Items 402.127202 & P-101-5.5B to:

Item 402.127202	N.Y.S.D.O.T. HMA – Type F2 Top Course	TON	860
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Item P-101-5.5B	Miscellaneous Cold Milling	SY	1350
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2. General Notes (GN-1)

Phasing Preparation Notes:

For work limit restrictions see the *Construction Access and Staging Area Plan*.

3. Miscellaneous Details (D-3), Detail 6

The reference to item L-110-5.32T will be change to L-110-5.3. The plans show detectable warning tape over conduit. Tape shall be included in Items L-110-5.2 and L-110-5.3.

4. Construction Phasing (CP-1), Detail Phase 2

The reference to note 6 directed to the haul route will be changed to Note 8.

B. Revisions to the Specifications

1. **Proposal:** Replace pages P-1 through P-18 with pages ADD1-P-1 through ADD1-P-18.

2. **Add SPECIFICATION 201 CLEARING AND GRUBBING** Pages ADD1-201-1 through ADD1-201-3. All trees and bushes on within the project limits will be removed under item 201.06

B. Clarifications

1. **Item E-16001-5.1 General Electrical Work** The existing safety disconnect switch and junction box shall be removed. Rework two 2” RGS conduits for power and control wiring connecting below grade for contiguous raceway routing from pump station to new safety disconnect switch location. Rework wiring for pump station power and controls including low level switch, high level switch, high level alarm switch, pump leak detector, and pump over temperature detector etc. Install new watertight junction box in the pump station

structure and replace wiring and conduit seals as required. A coded note reflecting this will be added to drawing UP-1.

2. **Building Demolition:** All Utility Removals are included in Items 202.0101 and 202.0102 except electrical feeds which are included in Item E-16001-5.1. Utilities include, gas, water and sanitary lines. Florescent light within the building will be removed under general work.
3. Lead paint was not discovered during the environmental phase of the design
4. **Detectable warning system** in the sidewalk is under the item 608.0101 identified on the plans. The warning system will be installed on all sidewalk ramps and included in the cost of the sidewalk.
5. Concrete sidewalks: On plan sheet 23 it says “fiber reinforced concrete”. In the specs it says “wire fabric reinforcement”. Fiber Reinforcement concrete will be used.
6. The Item 637.11, **Engineer’s office** called out on CS-1 will include furnishing an existing office, plus connection of a data line for internet at the Emergency Operation Center in the vicinity of gate 5 as well as supplies will be included in Item 637.11 A “mini-office” at the site will shelf with a desk for the inspector to get out of the elements will not need utilities.
7. Information in building footers are not available
8. The 8” DIP connects to an existing 60” RCP run. There is an existing 8” DIP that will be connected to a new structure (4D-69) via a 45 deg fitting and run of new 8” DIP.
9. Site Photos are included on the following pages.
10. The Pre-Demolition Asbestos-Containing Materials Survey Report is attached to this addenda.

General Aviation Apron Reconstruction and Building Demolition – Building Removal



Remove Water, Sanitary and Gas service included in Demolition



Relocate disconnect included in E-16001-5.1

High Alarm, low alarm, power



Wood Building Demolition



Wood Building Demolition

Project Requirements

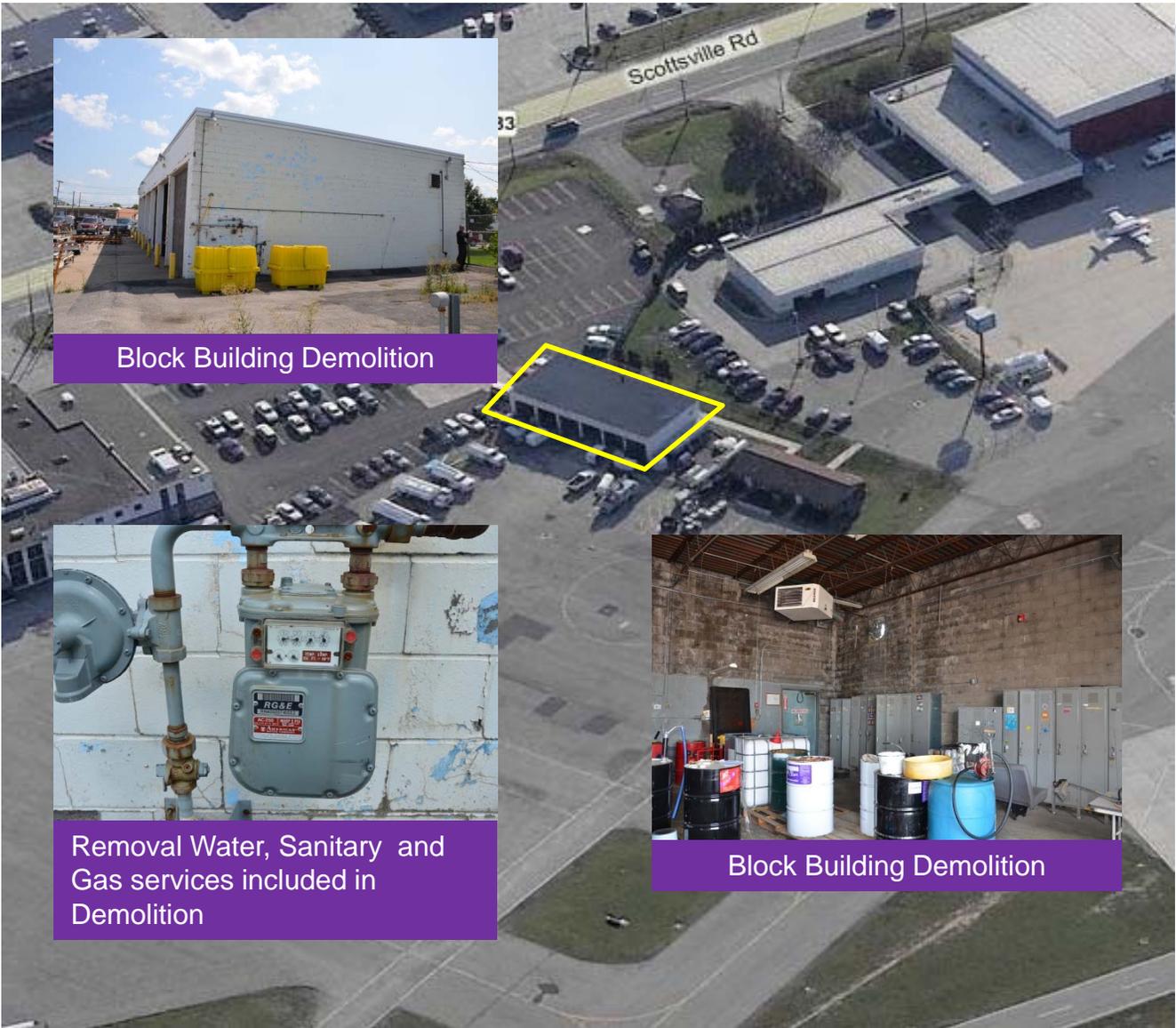
- 1 Wood Frame Building Demolition

202.0101 Lump Sum Item Includes Demolition Building and Foundation to 3' below proposed grade, remove and cap water and gas service, Pole and connections.

Electrical service removed under E-16001-5.1.

Contents Stored in Building will be removed by others.

General Aviation Apron Reconstruction and Building Demolition – Building Removal



Block Building Demolition



Removal Water, Sanitary and Gas services included in Demolition



Block Building Demolition

Project Requirements

2 Block Building Demolition

202.0102 Lump Sum Item Includes Demolition Building and Foundation to 3' below proposed grade, remove and cap water and gas service, Pole and connections.

Electrical service removed under E-16001-5.1.

Contents Stored in Building will be removed by others.

General Aviation Apron Reconstruction and Building Demolition – Site Information



Project Requirements

3 Site Information

Relocate Electrical Service to pump station Included in item E-16001-5.1

Remove Light/Sign Poles and Foundation
Included in items S670.11 & S670.12

All trees and Brush removed under Lump Sum Item 201.06 Clearing and Grubbing (Addenda)

ADD1-6

PROPOSAL

Submitted By: _____
(CONTRACTOR)

TO: _____
Rochester, New York

FOR: **General Aviation Apron Reconstruction
and Building Demolition
Greater Rochester International Airport**

Gentlemen:

The undersigned Bidder has carefully examined the form and content of the Contract, has examined the site of the work, and hereby proposes to furnish all necessary plant, labor, materials, equipment, and tools required to perform and complete the work in strict accordance with the Contract.

The undersigned Bidder agrees to submit to all conditions reported, intended, or implied, both particularly and generally by the Contract at the prices herein stated.

The undersigned Bidder also agrees as follows:

FIRST: If this Proposal is accepted, to execute the Contract within ten (10) calendar days of date of "Notice of Award" of Contract, and furnish to the OWNER satisfactory insurance certificates, performance and payment bonds, each in the sum of one-hundred percent (100%) of the amount of the Contract awarded as security for the faithful performance of the work, and for the payment of all persons performing labor and furnishing materials in connection with the work.

SECOND: To begin work within seven (7) calendar days of the date of the "Notice to Proceed". The anticipated "Notice of Award" and "Notice to Proceed" dates are as follows:

Anticipated Date, Notice of Award: **January 4, 2013**

Anticipated Date, Notice to Proceed: **January 7, 2013**

Work shall be progressed to meet the following schedule:

Milestone: **Completion of Phase 1**

By: **March 15th, 2013.**

Milestone: **Completion of Phase 2**

By: **June 15th, 2013.**

Milestone: **Project Completion**

By: **June 15th, 2013.**

THIRD: To pay the OWNER the following liquidated damages for each calendar day of delay in completing the work beyond the specified times of completion or within the times to which such completion may have been extended in accordance with the Contract Documents:

Milestone: **Completion of Phase 1** Liq. Damages: **\$1,000 per calendar day after March 15th, 2013 .**

Milestone: **Completion of Phase 2** Liq. Damages: **\$2,500 per calendar day after June 15th, 2013.**

Milestone: **Project Completion.** Liq. Damages: **\$2,500 per calendar day after June 15th, 2013.**

The maximum construction time allowed for Schedules **January 7th, 2013 through June 15th, 2013** will be the sum of the time allowed for individual schedules but not **later than June 15th, 2013**

FOURTH: To certify as follows: Pursuant to Section 103d. of the General Municipal Law:

- (a) By submission of this bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:
 - (1) The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purposes of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor;
 - (2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor; and
 - (3) No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

FIFTH:

The CONTRACTOR hereby agrees to the provisions of Section 139-a and 139-b of the New York State Finance Law which requires that upon the refusal of a person, when called before a grand jury, head of a state department, temporary state commission or other state agency, which is empowered to compel the attendance of witnesses and examine them under oath, to testify in an investigation, concerning any transaction or contract had with the State, any political subdivision thereof, a public authority or with any public department, agency or official of the State or of any political subdivision thereof or of a public authority, to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant question concerning such transaction or contract,

- (a) Such person, and any firm, partnership or corporation of which he is a member, partner, director or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contract with New York State or any public department, agency or official thereof, for goods, work or services, for a period of five years after such refusal, and
- (b) Any and all contracts made with the State of New York or any public department, agency or official thereof, since the effective date of this law, by such a person, and by any firm, partnership, or corporation of which he is a member, partner, director or officer may be canceled or terminated by New York State without any penalty or damages on account of such cancellation or termination, but any monies owing by the State of New York for goods delivered or work done prior to the cancellation or termination shall be paid.

SIXTH:

During the performance of this Contract, the CONTRACTOR agrees as follows:

- (a) The CONTRACTOR agrees that in carrying out its activities under the terms of the Agreement that it shall not discriminate against any person due to such person's age, marital status, disability, genetic disposition or carrier status, race, color, creed, sexual

orientation, sex or national origin, and that at all times it will abide by the applicable provisions of the Human Rights Law of the State of New York as set forth in Sections 290-301 of the Executive Law of the State of New York.

- (b) If the CONTRACTOR is requested to do so by the OWNER, the CONTRACTOR will send to each labor union or representative of workers with which he has or is bound by a collective bargaining or other agreement or understanding, a notice, to be provided by the State Commission for Human Rights, advising such labor union or representative of the CONTRACTOR's agreement under clauses (a) through (g) hereinafter called "nondiscrimination clauses".

If the CONTRACTOR is directed to do so by the OWNER as part of the bid or negotiation of this Contract, the CONTRACTOR shall request such labor union or representative to furnish him with a written statement that such labor union or representative will not discriminate because of race, creed, color, sex, national origin, age, disability, marital status, or handicap and that such labor union or representative either will affirmatively cooperate, within the limits of its legal and contractual authority, in the implementation of the policy and provisions of these nondiscrimination clauses or that it consents and agrees that recruitment, employment and the terms and conditions of employment under this Contract shall be in accordance with the purposes and provisions of these nondiscrimination clauses. If such labor union or representative fails or refuses to comply with such a request that it furnish such a statement, the CONTRACTOR shall promptly notify the State Commission for Human Rights of such failure or refusal.

- (c) The CONTRACTOR will post and keep posted in conspicuous places, available to employees and applicants for employment, notices to be provided by the State Commission for Human Rights setting forth the substance of the provisions of clauses (a) and (b) and such provisions of the State's laws against discrimination as the State Commission for Human Rights shall determine.
- (d) The CONTRACTOR will state, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR that all qualified applicants will be afforded equal opportunities without discrimination because of age, marital status, disability, genetic disposition or carrier status, race, color, creed, sexual orientation, military status, sex or national origin.
- (e) The CONTRACTOR will comply with the provisions of Sections 290-301 of the Executive Law and the Civil Rights Law, will furnish all information and reports deemed necessary by the State Commission for Human Rights under these nondiscrimination clauses and such sections of the Executive Law and the Civil Rights Law, and will permit access to his books, records and accounts by the State Commission for Human Rights, the Attorney General and the Industrial Commissioner for purposes of investigation to ascertain compliance with these nondiscrimination clauses and such sections of the Executive Law and Civil Rights Law.
- (f) This Contract may be forthwith canceled, terminated or suspended, in whole or in part, by the OWNER upon the basis of a finding made by the State Commission for Human Rights that the CONTRACTOR has not complied with these nondiscrimination clauses, and the CONTRACTOR may be declared ineligible for future contracts made by or on behalf of the State or a public authority or agency of the State, until he has established and is carrying out a program in conformity with the provisions of these nondiscrimination clauses. Such findings shall be made by the State Commission for Human Rights after conciliation efforts by the Commission have failed to achieve compliance with these nondiscrimination clauses and after a verified complaint has been filed with the Commission, notice thereof has been given to the CONTRACTOR and an opportunity has been afforded him to be heard

publicly in accordance with the Executive Law. Such sanctions may be imposed and remedies invoked independently of or in addition to sanctions and remedies otherwise provided by law.

- (g) The CONTRACTOR will include the provisions of clauses (a) through (f) in every subcontract or purchase order in such a manner that such provisions will be binding upon each subcontractor or vendor as to operations to be performed within the State of New York. The CONTRACTOR will take such action in enforcing such provisions of such subcontract or purchase order as the OWNER may direct, including sanctions or remedies for noncompliance. If the CONTRACTOR becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the OWNER, the CONTRACTOR shall promptly so notify the Attorney General requesting him to intervene and protect the interests of the State of New York.

SEVENTH:

- (a) It is the intent of the OWNER to obtain a proposal for all work to be performed under this Contract.

Unit price(s) or lump-sum bid shall not include any Sales Tax levied by the following governmental agencies:

- (1) New York State
- (2) Monroe County, New York
- (3) Any other town or governing agency

The total unit price shall be the sum of all material and installation cost for each bid item as defined herein.

- (b) The undersigned submits herewith bid guaranty for the specified amount of the deposit required in the Instructions to Bidders. In case this Proposal is accepted by the OWNER, and the undersigned shall refuse or neglect, within ten (10) calendar days after date of receipt of Notice of Award, to execute and deliver an Agreement in the form provided herein, or to execute and deliver a performance bond and a labor and material bond in the amounts required and in the form prescribed, or to provide satisfactory insurance certificate(s), the amount of bid security shall be forfeited and will be retained by the OWNER as liquidated damages. Otherwise the total amount of the bid security will be returned to the depositor in accordance with provisions set forth in the Instructions to Bidders.
- (c) The undersigned acknowledges the receipt of the following Addenda, but he agrees that he is bound by all Addenda whether or not listed herein:

ADDENDA NUMBERS AND DATES

Number 1 - dated _____

Number 2 – dated _____

Number 3 – dated _____

Number 4 – dated _____

BIDDERS SHOULD CONTACT THE MONROE COUNTY PURCHASING OFFICE, (585) 753-1100, TO VERIFY THEY HAVE ALL ADDENDA.

PROPOSAL SUBMITTED

Dated: _____

(if an Individual, Partnership, or Non-Incorporated Organization)

Name of Bidder _____

By: _____

(Signature) (Title)

Address of Bidder: _____

(Street)

(City, State) (Zip Code)

Names and Addresses of Members of the Firm

(if a Corporation)

Name of Bidder: _____

By: _____

(Signature) (Title)

Address of Bidder: _____

(Street)

(City, State) (Zip Code)

Incorporated Under the Laws of the State of _____

Name of President: _____
(Name) (Address)

Officer (Secretary): _____
(Name) (Address)

(Treasurer): _____
(Name) (Address)

Corporate Seal

Bidder's Telephone Number: _____
Fax Number: _____

CERTIFICATION FOR UTILIZATION OF
MINORITY AND WOMEN'S BUSINESS ENTERPRISES

The BIDDER hereby assures that he will take affirmative steps as specified by Monroe County to use Minority and Women's Business Enterprises on this project. He further assures that he will attempt to utilize not less than ten (10%) of Minority Business Enterprise participation and two (2%) of Women's Business Enterprise participation.

BIDDER'S NAME: _____

ADDRESS: _____

IRS NUMBER _____

SIGNATURE AND TITLE

DATE

Performance Bond Information Form

Project Title: General Aviation Apron Reconstruction and Building Demolition

Construction Contract:

Name of Contractor:

Address:

Bonding Company or Person

Issuing Security Bond _____

Address:

Bonding Company Agent: _____ Telephone No. (____)

Address: _____

_____ Amount of

Bond: \$

Duration of Bond:

From Date of Contract

To Final Payment

The Bidder shall complete the information above regarding the performance bond proposed to be provided for the contract. This information will be used by the OWNER and/or CONSULTANT to verify the bonding prior to award of the contract.

CONTRACTOR'S

**CERTIFICATION REGARDING
DEBARMENT, SUSPENSION, AND RESPONSIBILITY**

The undersigned certifies, to the best of his/her knowledge and belief, that the CONTRACTOR and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
2. Have not within a three-year period preceding this transaction/application/proposal/contract/agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 2 of this certification; and
4. Have not within a three-year period preceding this transaction/application/proposal/contract/agreement had one or more public transactions (Federal, State or local) terminated for cause or default.

Date: _____

(Print Name of Contractor)

By: _____

(Signature)

(Print Name)

(Print Title/Office)

**GENERAL AVIATION APRON RECONSTRUCTION AND BUILDING DEMOLITION
Greater Rochester International Airport**

FORM OF PROPOSAL

Proposals may be considered informal and may be returned to the Bidder if all blank spaces in the Form of Proposal are not filled in.

Pursuant to and in compliance with the "Notice to the Bidders", the "Instructions to Bidders" and "Proposal" relating thereto, the Bidder hereby agrees to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper for or incidental to work required by and in strict accordance with the Contract Documents and any Addenda subsequently issued, for the sum of:

Total Bid	\$ _____
	(Numbers)
_____ Dollars	
(Price in Words)	

**GREATER ROCHESTER INTERNATIONAL AIRPORT
GENERAL AVIATION APRON RECONSTRUCTION AND BUILDING DEMOLITION
BID SUMMARY FORM**

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
28213.01	1	ABESTOS CAULK REMOVAL FOR: _____ _____ Per LS				
201.06	1	CLEARING AND GRUBBING FOR: _____ _____ Per LS				
202.0101	1	DISPOSAL OF BUILDINGS NO. 1 FOR: _____ _____ Per LS				
202.0102	1	DISPOSAL OF BUILDINGS NO. 2 FOR: _____ _____ Per LS				
304.12	4,300	N.Y.S.D.O.T. NO. 2 CRUSHER RUN SUBBASE COURSE FOR: _____ _____ Per CY				

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
402.127202	860	N.Y.S.D.O.T. HMA - TYPE F2 TOP COURSE - 70 SERIES COMPACTION FOR: _____ _____ Per TON				
402.197902	1,000	N.Y.S.D.O.T. HMA - TYPE F9 BINDER COURSE - 70 SERIES COMPACTION FOR: _____ _____ Per TON				
402.377902	1,500	N.Y.S.D.O.T. HMA - TYPE F9 BASE COURSE - 70 SERIES COMPACTION FOR: _____ _____ Per TON				
604.07A	3	ALTERING DRAINAGE STRUCTURE, ADJUST STRUCTURE TO GRADE FOR: _____ _____ Per EA				
604.07C	1	ALTERING DRAINAGE STRUCTURE, CORE HOLE FOR PIPE FOR: _____ _____ Per EA				

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
608.0101	55	CONCRETE SIDEWALKS AND DRIVEWAYS FOR: _____ _____ Per CY				
609.04	685	CAST-IN-PLACE CONCRETE CURB (AS DETAILED) FOR: _____ _____ Per LF				
609.15R	240	REMOVE AND DISPOSE OF EXISTING CURB FOR: _____ _____ Per LF				
611.0161	10	PLANTING - MAJOR DECIDUOUS TREES - 2 1/2 INCH CALIPER FOR: _____ _____ Per EA				
625.01	1	SURVEY AND STAKEOUT FOR: _____ _____ Per LS				

**GREATER ROCHESTER INTERNATIONAL AIRPORT
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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
637.11	7	ENGINEER'S OFFICE - TYPE 1 FOR: _____ _____ Per MONTH				
D-701-5.1-1205	209	REINFORCED CONCRETE PIPE - 12" DIAMETER - CLASS V FOR: _____ _____ Per LF				
D-701-5.1-5608	30	DUCTILE IRON PIPE - 8" DIAMETER - CLASS 56 FOR: _____ _____ Per LF				
D-705-5.106P	1,350	6" PERFORATED CORRUGATED HDPE UNDERDRAIN PIPE FOR: _____ _____ Per LF				
D-710-6.1	8,500	GEOTEXTILE UNDERCUT FABRIC FOR: _____ _____ Per SY				

**GREATER ROCHESTER INTERNATIONAL AIRPORT
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BID SUMMARY FORM**

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
D-751-5.2A	6	CATCH BASIN 3' X 3.5' FOR: _____ _____ Per EA				
D-751-5.2B	1	CATCH BASIN 4' SQUARE WITH DIVERTER VALVE FOR: _____ _____ Per EA				
E-16001-5.1	1	GENERAL ELECTRICAL WORK FOR: _____ _____ Per LS				
F-162-5.1	385	FURNISH AND INSTALL 8' BLACK VINYL CHAIN LINK SECURITY FENCE WITH BARBED WIRE FOR: _____ _____ Per LF				
F-162-5.3	825	REMOVE AND DISPOSE OF EXISTING 8' CHAIN LINK FENCE AND HARDWARE FOR: _____ _____ Per LF				

**GREATER ROCHESTER INTERNATIONAL AIRPORT
GENERAL AVIATION APRON RECONSTRUCTION AND BUILDING DEMOLITION
BID SUMMARY FORM**

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
L-110-5.2	40	2" DIAMETER PVC CONDUIT, TYPE 1 FOR: _____ _____ Per LF				
L-110-5.3	775	3" DIAMETER PVC CONDUIT, TYPE 1 FOR: _____ _____ Per LF				
L-114-6.13	340	DIRECTIONAL DRILL ONE WAY - 3" DIAMETER HDPE - SDR 11 FOR: _____ _____ Per LF				
L-115-5.2	10	2' DIAMETER FOUR-WAY ELECTRICAL JUNCTION STRUCTURE W/ COVER FOR: _____ _____ Per EA				
P-101-5.1A	7,750	ASPHALT PAVEMENT EXCAVATION, REMOVED OFF-SITE FOR: _____ _____ Per SY				

**GREATER ROCHESTER INTERNATIONAL AIRPORT
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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
P-101-5.5B	1,350	MISCELLANEOUS COLD MILLING FOR: _____ _____ Per SY				
P-101-5.6	2,550	SAWCUTTING ASPHALT AND CONCRETE PAVEMENT FOR: _____ _____ Per LF				
P-152-4.1	5,900	UNCLASSIFIED EXCAVATION FOR: _____ _____ Per CY				
P-156-5.1	150	TEMPORARY SLOPE DRAINS FOR: _____ _____ Per LF				
P-603-5.1	1,725	BITUMINOUS TACK COAT FOR: _____ _____ Per GAL				

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
S619.01	1	BASIC MAINTENANCE AND PROTECTION OF TRAFFIC FOR: _____ _____ Per LS				
S670.02	3	NEW 25' LIGHT POLE, 2 LED LIGHT FIXTURES AND NEW CONCRETE BASE FOR: _____ _____ Per EA				
S670.10	3	REMOVE AND DISPOSE OF EXISTING POLE FOR: _____ _____ Per EA				
S670.11	3.0	REMOVE AND DISPOSE OF EXISTING CONCRETE LIGHT POLE BASE FOR: _____ _____ Per EA				
T-901-5.1	0.2	SEEDING FOR: _____ _____ Per ACRE				

**GREATER ROCHESTER INTERNATIONAL AIRPORT
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BID SUMMARY FORM**

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
T-905-5.1	75	TOPSOILING FOR: _____ _____ Per CY				
SUBTOTAL FOR BID						
S699.04	1	MOBILIZATION (3% MAX OF TOTAL) FOR: _____ _____ Per LS				
PLEASE MAKE SURE A BID IS ENTERED FOR EACH ITEM. TOTAL BID OR GROSS SUM (WRITTEN IN WORDS ON P-9)						

SECTION 201 - CLEARING AND GRUBBING

201-1 DESCRIPTION

201-1.01 General. This work shall consist of clearing, grubbing, removing and disposing of all trees, brush, stumps, fences, debris, and miscellaneous structures not covered under other contract items within the construction area and such other areas as specified or directed. The Contractor shall clear such additional areas within the limits of the right-of-way and easement lines as specified or directed.

201-1.02 No Burning Requirement. Materials generated by the work, including construction and demolition debris, shall not be disposed of by burning on or off the site. Off site burning in a permitted solid waste incinerator or in another lawful manner as refuse derived fuel will be permitted.

201-2 MATERIALS (Not specified)

201-3 CONSTRUCTION DETAILS

201-3.01 Limits of Work Areas. The Engineer will establish the limits of areas to be cleared and grubbed, to be cleared but not grubbed, or areas, objects or features that are designated to remain undisturbed. In general, the work areas shall include the road section, stream channels, ditches, temporary approaches to bridges, detours and other areas as shown in the contract documents or directed by the Engineer. The Engineer will designate fences, structures, debris, trees and brush to be cleared where grubbing is not required. Clearing beyond the areas of construction shall be done only where specified or directed.

201-3.02 Clearing and Grubbing. During the life of the contract the Engineer may order the clearing of any trees within the **Project Site** that the Engineer determines to be hazardous or dead and unsightly.

The Contractor shall carefully prune all branches of trees less than 15 feet above any part of the roadway and all branches which have been broken or injured during construction. The work shall be done as specified under §614-3.01A Equipment and B. Pruning.

Whenever trees are felled or trimmed on/or adjacent to highways, all wood shall be immediately removed from the **Project Site** or any area that would present a hazard to traffic. Grubbed stumps shall be moved immediately at least 30 feet from the edge of pavement. No trees, tree trunks, stumps or other debris shall be felled, sidecast or placed outside the limits of the road section. No grubbing will be required beneath the embankment where the finished grade will be 6 feet or more above the original ground surface unless otherwise specified in the contract documents. Where trees or existing stumps are cleared and grubbing is not required, the tree trunk or existing stump shall be cut off not more than 6 inches above the original ground surface unless otherwise approved. Exposed stumps not required to be removed, but which are within 30 feet of the edge of the pavement or are in a built-up area, shall be chipped out to a depth of not less than 6 inches below the finished grade and the holes backfilled if directed by the Engineer. This work shall be completed within one week after start of work on the tree.

201-3.03 Disposal

A. General. All wood including grubbed stumps shall be removed from the contract site or otherwise disposed of.

B. Methods of Disposal of Wood and Brush.

1. Disposal (No Burning). All wood and brush shall be disposed of within fifteen (15) days after cutting or felling unless otherwise approved. No burning of land clearing materials that result from the clearing and grubbing operations, except in a permitted solid waste incinerator or as refuse derived fuel, will be permitted. The Contractor will have the following options or combination of options for disposal of this material:

a. The Contractor shall make every effort to salvage marketable timber as specified in paragraph B4 of this subsection.

b. When permitted by a note in the contract documents, disposable material may be placed at locations approved by the Engineer within the right-of-way but outside of the embankment area.

When permitted by a note in the contract documents, disposable material may be placed in the embankment side slope area. The contract documents will define the embankment side slope area and the procedures for the concurrent construction of the embankment and disposal section.

This type of disposal will require certain preparatory work. Preparation for direct burial of woody materials shall consist of cutting main trunks and limbs and chipping smaller limbs, branches, foliage and brush. Under conditions when disposal space and earth cover are limited in size and quantity, stumps will have to be ranked in size and placed in layers so as to make best use of the space available and the quantity of materials to be buried.

c. The Contractor may bury disposable material off the right-of-way at locations obtained by the Contractor at no expense to the State. Such locations are to be approved in writing by the Engineer. The disposal work will require the same preparatory work as stated in option b. above except that the Engineer may waive such requirements for miscellaneous work which may be accommodated in a satisfactory manner by other methods. The disposal area is to be covered with earth as hereinafter specified.

d. The Contractor may reduce all woody materials to chips and dispose of the chips as specified in paragraph B2 of this subsection.

e. The material may be sent to a refuse derived fuel processing facility or to other processing facility for eventual beneficial re-use as fuel or for other lawful re-use.

Under no circumstances is disposal to be made in swamp or wet lands. When the disposal area is within the embankment section or is formed by flattening the embankment slopes, the elevation of the normal embankment construction shall always equal or exceed that of the disposal area. There is to be absolutely no end dumping of disposable material over the sides of the embankment. All disposal areas are to be finally covered with a minimum of 2 feet of earth and graded to drain properly.

2. Chipping. Wood may be reduced to chips by the use of an approved chipping machine or stump grinder. Chips shall be 1/2 inch maximum thickness or of other approved thicknesses.

Chips resulting therefrom may be disposed of by being stockpiled and used as mulch for planting, by distribution on the ground surface in wooded areas within the right-of-way as approved by the Engineer, or by disposal at a location off the contract site satisfactory to the Engineer.

3. Burying. No tree trunks, stumps or other debris shall be buried inside the right-of-way limits without the written approval of the Engineer. Disposal areas outside the right-of-way

limits shall be approved in writing by the Engineer and shall be acquired by the Contractor at no expense to the State.

4. Salvage of Marketable Timber. In the interest of conservation, the Contractor shall make every effort possible to salvage marketable timber produced as a result of clearing operations, provided the amount of timber is great enough to make the hauling practical. In general, marketable timber is construed to mean logs 8 to 16 feet in length, plus appropriate trimming allowance, having a diameter inside the bark, at the small end, of approximately 10 inches. In the event that the Contractor is not successful in salvaging marketable timber, the Contractor shall advise the Engineer, in writing, of the efforts to salvage and indicate the reason why the timber could not be salvaged

Any wood that is cut up in firewood lengths or other marketable lengths may be neatly piled adjacent to the right-of-way in an area provided by the Contractor for periods in excess of one week but shall be removed prior to completion of the contract.

201-4 METHOD OF MEASUREMENT

201-4.01 Per Acre. Section Deleted

201-4.02 Per Lump Sum. Payment for Clearing and Grubbing will be made on a lump sum basis for work satisfactorily completed. Monthly payments will be made in proportion to the amount of work done as determined by the Engineer.

201-4.03 Borrow Areas. Borrow pits or other pit areas from which material is secured shall not be included for measurement of clearing and grubbing.

201-5 BASIS OF PAYMENT.

201-5.01 Clearing and Grubbing. Payment will be made at the contract price to furnish all materials, labor and equipment necessary to satisfactorily complete the work as specified. No separate payment will be made for any excavation, backfill or earth cover necessary to complete the work of disposal outside the embankment area nor for the work in handling, storing, rehandling and hauling of disposable material within **the project Site.**

Payment will be made under:

Item No.	Item	PayUnit
201.06	Clearing and Grubbing	Lump Sum

**Pre-Demolition Asbestos-Containing
Materials Survey Report
Office Building and Garage
Greater Rochester International
Airport
Rochester, New York**

CHA Project Number: 24513.1000.31000

Prepared for:
Greater Rochester International Airport
Monroe County
1200 Brooks Avenue
Rochester, NY 14624

Prepared by:



*441 South Salina Street
Syracuse, New York 13202
Phone: (315) 471-3920*

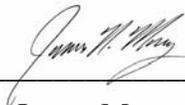
August 30, 2012

QUALIFICATIONS AND CERTIFICATION STATEMENT

This Pre-Demolition Asbestos-Containing Materials Survey Report was compiled by a qualified environmental scientist who is also a NYS-certified asbestos inspector employed by CHA.

This report has been prepared expressly for the use of the Greater Rochester International Airport. No other parties are entitled to rely upon this report unless our express written consent is first obtained. All conclusions drawn were based on CHA's review of available historical data, field inspection and analytical results from sampling performed during the course of this project. Recommendations are submitted based on CHA's knowledge, experience, and professional judgment.

Inspection and Report Completed By:



James Morey
Scientist III

Report Reviewed By:



Seth H. Fowler
Associate

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	SCOPE OF WORK	1
2.1	Asbestos-Containing Materials Survey.....	1
2.2	Limitations	2
3.0	ASBESTOS-CONTAINING MATERIALS SURVEY.....	2
3.1	Record Review.....	2
3.2	ACM Survey	2
3.2.1	Former Office Building.....	2
3.2.2	Garage	3
4.0	RESULTS	4
5.0	CONCLUSIONS AND RECOMMENDATIONS.....	4
5.1	Conclusions.....	4
5.2	Recommendations.....	5

LIST OF TABLES

Table 4-1	Confirmed Asbestos-Containing Materials Summary
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LIST OF FIGURES

Figure 1	Office Building Sample Location Plan
Figure 2	Garage Sample Location Plan

LIST OF APPENDICES

Appendix A	Asbestos-Containing Material Tables
Appendix B	Bulk Asbestos Sample Analysis
Appendix C	Personnel and Laboratory Licenses

1.0 INTRODUCTION

CHA was retained by the Greater Rochester International Airport (GRIA) to complete a Pre-Demolition Asbestos-Containing Materials Survey of all accessible interior portions of a former office building and former garage located at the GRIA in Rochester, New York. This survey was performed to properly identify asbestos-containing materials prior to the planned building demolition of both buildings.

This survey report consists of five sections, including this Introduction. Section 2.0 presents the Scope of Work, which outlines the parameters by which this project was performed and the limitations that were encountered. Section 3.0 – Asbestos-Containing Materials Survey, details the findings of the pre-demolition asbestos building inspection. Section 4.0 presents a brief overview of the inspection results while Section 5.0 presents CHA’s conclusions and recommendations pertaining to the survey and subject buildings.

2.0 SCOPE OF WORK

2.1 ASBESTOS-CONTAINING MATERIALS SURVEY

The Pre-Demolition Asbestos-Containing Material (ACM) survey was performed according to the scope of work provided below. All work has been completed in accordance with federal, state, and local regulations.

CHA provided a New York State Department of Labor-certified asbestos building inspector responsible for the identification and assessment of the condition, location and quantity of suspect ACMs associated with the accessible areas within the former office building and garage which are scheduled to be demolished.

The inspector collected bulk samples of identified suspect ACM following the protocols referenced in 40 CFR Part 763.86 Subpart E (AHERA). All bulk samples were analyzed at an accredited laboratory licensed by the New York State Department of Health (NYSDOH) Environmental Laboratory Program (ELAP) as well as the National Voluntary Laboratory Accreditation Program (NVLAP) for the analysis of asbestos bulk samples.

2.2 LIMITATIONS

The scope of the asbestos-containing materials survey was limited to the former office building and adjacent single story garage. Floor plans for each building were hand-sketched in the field and subsequently drafted with AutoCAD 2011 for use in this report to show scope areas and bulk sample locations. The figures are not to scale.

3.0 ASBESTOS-CONTAINING MATERIALS SURVEY

CHA's background research and field observations during the site inspection with regard to suspect asbestos-containing building materials associated with the former office building and garage are discussed below.

3.1 RECORD REVIEW

CHA was not provided with previously-completed asbestos-containing materials survey reports prior to the inspection field work or during the preparation of this report. Nor were any design or as-built drawings for the subject building provided.

3.2 ACM SURVEY

CHA visited the site on August 8, 2012 to inspect the former office building and adjacent garage. A discussion of the inspector's survey observations, suspect material descriptions and summary of scope areas is below.

3.2.1 Former Office Building

The former office building is a single story modular home with a full crawlspace beneath the floor and a full attic above the fixed ceilings. The exterior windows and doors are sealed with non-suspect silicone caulking.

The roof consists of a combination of suspect shingles and tar paper over plywood decking. Multiple vents extend through the roof system and are sealed at their perimeter with a gray sealant which is a suspect ACM. The individual screw heads along the peak cap of the roof are coated with the same gray sealant. All suspect roofing materials were quantified and sampled for asbestos laboratory analysis.

The interior of the building consists of individual offices, bathrooms, mechanical room, and kitchen. A crawlspace extends beneath the entire building and has foam insulation panels glued to the inside of the foundation wall. The glue is suspect for asbestos and was sampled for asbestos analysis. The offices throughout the building are carpeted (tacked to wood subfloor, no mastic), with sheetrock walls and ceilings. The sheetrock ceilings have a textured finish. The sheetrock, joint compound, sheetrock tape, and textured ceiling finish are all suspect for asbestos and were sampled per Section 2.1 of this report.

The bathrooms, kitchen, and mechanical room have various types of suspect linoleum flooring, sheetrock walls and ceilings. The walls within the mechanical room have a stucco finish that is also suspect for asbestos. CHA observed suspect white sink undercoating material on the kitchen sink. All suspect materials identified throughout the remainder of the former office building were quantified and sampled for asbestos laboratory analysis.

3.2.2 Garage

The garage is a single-story slab on grade structure with concrete floors, concrete block walls, and metal roof deck. The exterior doors are sealed along their perimeter with suspect asbestos grout which was sampled and analyzed for asbestos. The roof consists of rubber roofing sealed at its seams and perimeter with seam sealant and flashing sealant; both of which are suspect for asbestos. The roofing system itself has suspect paper adhered to the underside of the rubber membrane and on the foam insulation board. All suspect roofing materials were quantified and sampled per Section 2.1 of this report.

No suspect asbestos-containing materials were observed on the interior of the garage.

4.0 RESULTS

CHA identified 22 suspect ACMs during the pre-demolition asbestos survey within the former office building and garage and a total of 47 individual bulk samples were collected. Of the 22 suspect ACMs, two were confirmed positive based on laboratory analysis. These two confirmed ACM are summarized in the table below.

Table 4-1. Confirmed Asbestos-Containing Material Summary

Material	Locations(s)	Estimated Quantity	Friability
Gray Roof Penetration Sealant	Former Office Building - Roof	7 vents – 1 sf per Screw-heads along metal ridge cap - < 1sf	Non-Friable
Sink Undercoating	Former Office Building – Room 3, Kitchen	1 Sink (6 sf)	Non-Friable

All of the bulk samples that were collected are summarized in Table A-1. Table A-1 lists each bulk sample, the location from which it was collected, and also provides the analytical result for each sample. Table A-1 is not intended to outline all locations within the scope areas where those materials exist. Table A-2, the Room by Room Inventory, summarizes all suspect materials that were observed. For each suspect material in each room, the asbestos content is provided.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon CHA’s review of the analytical results, and observations made during the inspection, the following conclusions and recommendations have been developed.

5.1 CONCLUSIONS

The conclusions presented in this report are based on information gathered in accordance with the Scope of Work defined in Section 2.0 of the report.

Two confirmed ACMs were identified associated with the former office building through laboratory analysis of bulk samples collected during this survey. The first confirmed ACM is a gray roof penetration sealant and a sink undercoating material. The locations and quantity of these materials is detailed in Section 4.0 above and in the Table A-2 attached to this report.

There are no confirmed asbestos-containing materials associated with the garage building.

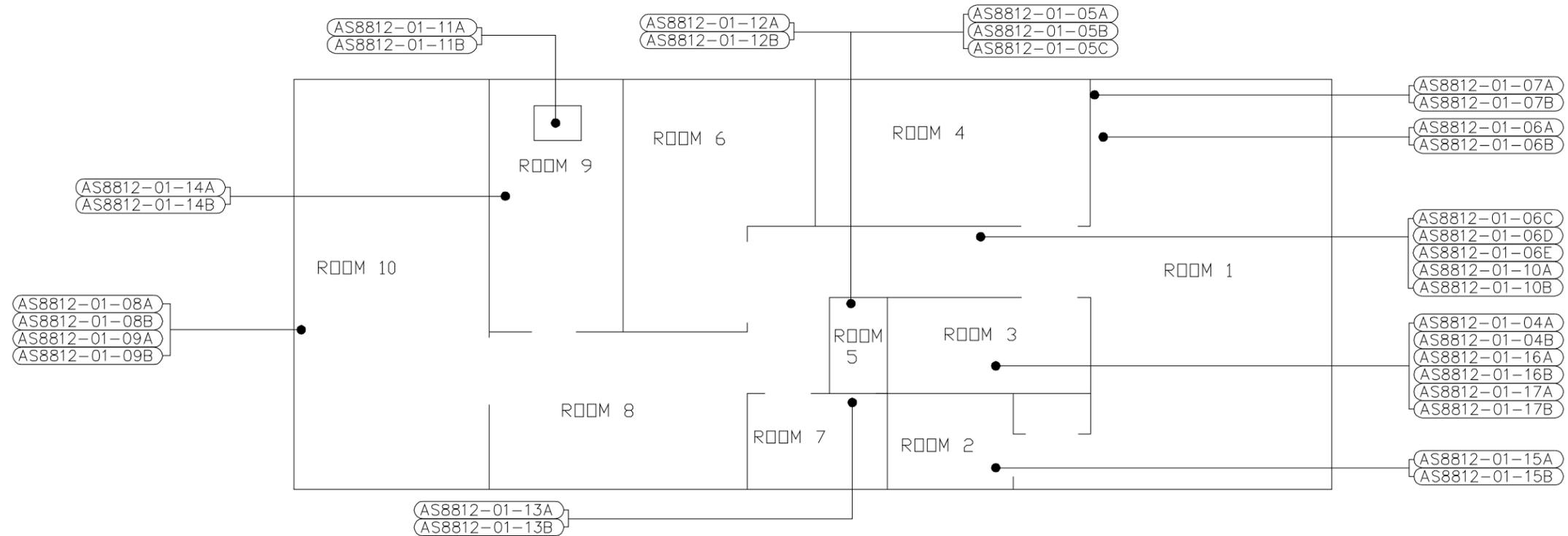
5.2 RECOMMENDATIONS

Based on the site inspection and analysis of samples, CHA has developed the following recommendations:

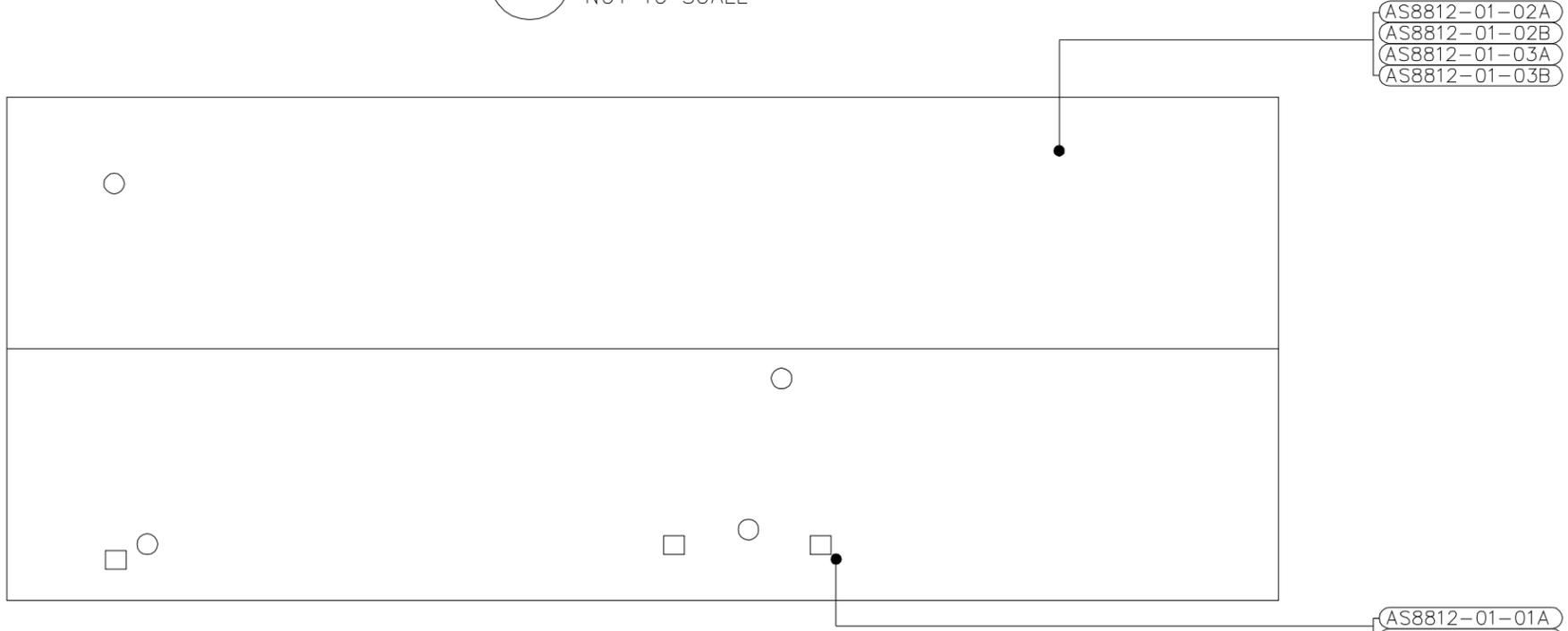
Asbestos-containing roof sealant and sink undercoating will be disturbed by the scheduled demolition of the former office building at the Greater Rochester International Airport. All asbestos-containing material removals must be performed prior to the building demolition and by a licensed asbestos abatement contractor using certified workers in accordance with all federal, state, and local regulations.

This inspection report shall not solely serve as an asbestos abatement design document for obtaining bids from abatement contractors. It is recommended that specific abatement design documents be prepared in order to specify procedures and protocols that must be observed in order to ensure that abatement activities are completed in a manner consistent with local, state and federal regulations and requirements.

FIGURES



1 FIRST FLOOR PLAN
NOT TO SCALE



2 ROOF PLAN
NOT TO SCALE

LEGEND

ASBESTOS BULK SAMPLE ● AS8812-01-01A

Drawing Copyright © 2008 Clough Harbour & Associates LLP



SAMPLE LOCATION PLAN
FORMER OFFICE BUILDING
GREATER ROCHESTER INTERNATIONAL
AIRPORT
ROCHESTER, NEW YORK

PROJECT NO.
24513

DATE: 8/28/12

FIGURE 1



1 FIRST FLOOR PLAN
NOT TO SCALE



2 ROOF PLAN
NOT TO SCALE

LEGEND

ASBESTOS BULK SAMPLE ● AS8812-02-18A

Drawing Copyright © 2008 Clough Harbour & Associates LLP



111 Winners Circle, PO Box 6269 - Albany, NY 12205-0269
Main: (518) 453-4500 · www.chacompanies.com

SAMPLE LOCATION PLAN
GARAGE BUILDING
GREATER ROCHESTER INTERNATIONAL
AIRPORT
ROCHESTER, NEW YORK

PROJECT NO.
24513

DATE: 8/28/12

FIGURE 2

APPENDIX A

Asbestos-Containing Material Tables

TABLE A-1
ASBESTOS BULK SAMPLE SUMMARY
Office Building and Garage
Greater Rochester International Airport
Rochester, NY

Sample No.	Homogenous Material	Sample Location	% Asbestos
Office Building			
AS8812-01-01A	Gray Roof Penetration Sealant	Roof Level Vent	4.5%
AS8812-01-01B	Gray Roof Penetration Sealant		NA/PS
AS8812-01-02A	Roof Shingle	Roof Level	ND
AS8812-01-02B	Roof Shingle		ND
AS8812-01-03A	Roof Tar Paper		<1%
AS8812-01-03B	Roof Tar Paper		ND
AS8812-01-04A	Sink Undercoating	Room 3	2.7%
AS8812-01-04B	Sink Undercoating		NA/PS
AS8812-01-05A	Stucco Wall Finish	Room 5	ND
AS8812-01-05B	Stucco Wall Finish		ND
AS8812-01-05C	Stucco Wall Finish		ND
AS8812-01-06A	Textured Ceiling Finish	Room 1	ND
AS8812-01-06B	Textured Ceiling Finish		ND
AS8812-01-06C	Textured Ceiling Finish	Corridor	ND
AS8812-01-06D	Textured Ceiling Finish		ND
AS8812-01-06E	Textured Ceiling Finish		ND
AS8812-01-07A	Sheetrock	Room 1	ND
AS8812-01-07B	Sheetrock		ND
AS8812-01-08A	Joint Compound	Room 10	ND
AS8812-01-08B	Joint Compound		ND
AS8812-01-09A	Sheetrock Tape		ND
AS8812-01-09B	Sheetrock Tape		ND
AS8812-01-10A	Fiberglass Insulation Paper	Attic Above Corridor	ND
AS8812-01-10B	Fiberglass Insulation Paper		ND
AS8812-01-11A	Crawlspace Insulation Glue	Beneath Floor In Room 9	ND
AS8812-01-11B	Crawlspace Insulation Glue		ND
AS8812-01-12A	Linoleum Flooring - Light Green / Beige	Room 5 (Water Heater Closet)	ND
AS8812-01-12B	Linoleum Flooring - Light Green / Beige		ND
AS8812-01-13A	Linoleum Flooring - Orange / Tan	Room 7 (Bathroom)	ND
AS8812-01-13B	Linoleum Flooring - Orange / Tan		ND
AS8812-01-14A	Linoleum Flooring - Multi-Shaped Box Pattern	Room 9	ND
AS8812-01-14B	Linoleum Flooring - Multi-Shaped Box Pattern		ND
AS8812-01-15A	Linoleum Flooring - Box Pattern	Room 2 (Bathroom)	<1%
AS8812-01-15B	Linoleum Flooring - Box Pattern		ND
AS8812-01-16A	Linoleum Flooring - Hexagonal Pattern	Room 3 (Kitchen)	ND
AS8812-01-16B	Linoleum Flooring - Hexagonal Pattern		ND
AS8812-01-17A	Paper Beneath Hexagonal Patterned Linoleum Flooring		ND
AS8812-01-17B	Paper Beneath Hexagonal Patterned Linoleum Flooring		ND
Garage			
AS8812-02-18A	Perimeter Flashing Sealant	Roof Level	ND
AS8812-02-18B	Perimeter Flashing Sealant		ND
AS8812-02-19A	Rubber Roofing Seam Sealant		ND
AS8812-02-19B	Rubber Roofing Seam Sealant		ND
AS8812-02-20A	Rubber Roof Membrane and Paper		ND
AS8812-02-20B	Rubber Roof Membrane and Paper		ND
AS8812-02-21	Foam Insulation Paper	Exterior of Building	ND
AS8812-02-22A	Exterior Door Perimeter Grout		ND
AS8812-02-22B	Exterior Door Perimeter Grout		ND
ND = No Asbestos Detected NA/PS = Not Analyzed / Positive Stop			

TABLE A-2
ROOM BY ROOM INVENTORY
Former Office Building
Greater Rochester International Airport
Rochester, NY

ROOM NAME	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	WALLS (SF)	CEILING (SF)	THERMAL SYSTEM INSULATION	MISCELLANEOUS MATERIAL (SF/LF)
Exterior of the Building							
Roof Level	Gray Roof Penetration Sealant	4.5%					7 Roof Vents - 1 sf per (Also Applied to Screw Heads Along Roof Ridge Cap)
	Roof Shingle	ND					
	Roof Tar Paper	<1%					
Interior of the Building							
Crawlspace	Crawlspace Insulation Glue	ND					
Room 1	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					
	Linoleum Flooring - Box Style	ND					
Room 2	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					
	Linoleum Flooring - Box Style	ND					
Room 3	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					
	Sink Undercoating	2.7%					1 Sink
	Linoleum Flooring - Hexagonal Pattern	ND					
Room 4	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					

TABLE A-2
ROOM BY ROOM INVENTORY
Former Office Building
Greater Rochester International Airport
Rochester, NY

ROOM NAME	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	WALLS (SF)	CEILING (SF)	THERMAL SYSTEM INSULATION	MISCELLANEOUS MATERIAL (SF/LF)
Room 5	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Stucco Wall Finish	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					
Room 6	Linoleum Flooring - Light Green / Beige	ND					
	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					
Room 7	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					
	Linoleum Flooring - Box Pattern	ND					
Room 8	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					
	Room 9	Sheetrock	ND				
Joint Compound		ND					
Sheetrock Tape		ND					
Textured Ceiling Finish		ND					
Linoleum Flooring - Multi-Shaped Box Pattern		ND					
Fiberglass Insulation Paper (Above Ceiling)		ND					
Room 10	Sheetrock	ND					
	Joint Compound	ND					
	Sheetrock Tape	ND					
	Textured Ceiling Finish	ND					
	Fiberglass Insulation Paper (Above Ceiling)	ND					

**TABLE A-2
ROOM BY ROOM INVENTORY
Garage
Greater Rochester International Airport
Rochester, NY**

ROOM NAME	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	WALLS (SF)	CEILINGS (SF)	THERMAL SYSTEM INSULATION	MISCELLANEOUS MATERIAL (SF/LF)
Exterior of the Building							
Roof Level	Perimeter Flashing Sealant	ND					
	Rubber Roofing Seam Sealant	ND					
	Rubber Membrane and Paper	ND					
	Foam Insulation Paper	ND					
Exterior Elevation	Exterior Door Perimeter Grout	ND					
Interior of the Building							
NO SUSPECT ASBESTOS-CONTAINING MATERIALS OBSERVED							

APPENDIX B

Bulk Asbestos Sample Analysis

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.emsl.com>manhattanlab@emsl.com

EMSL Order: 031227136

CustomerID: CLOU50

CustomerPO:

ProjectID:

Attn: **CHA**
3 Winners Circle
Albany, NY 12205

Phone: (518) 453-8702
 Fax: (518) 453-4773
 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-01-01A 031227136-0001 GRAY ROOF PENETRATION SEALANT	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Gray /Black		N/A	4.5% Chrysotile	
						4.5% Total	
	TEM NYS 198.4 NOB	8/26/2012			N/A	Positive Stop (Not Analyzed)	
AS8812-01-01B 031227136-0002 GRAY ROOF PENETRATION SEALANT	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012			N/A	Positive Stop (Not Analyzed)	
	TEM NYS 198.4 NOB	8/26/2012			N/A	Positive Stop (Not Analyzed)	
AS8812-01-02A 031227136-0003 ROOF SHINGLE	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Red /Black		N/A	Inconclusive: None Detected	
	TEM NYS 198.4 NOB	8/27/2012	Red /Black		N/A	None Detected	
AS8812-01-02B 031227136-0004 ROOF SHINGLE	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Red /Black		N/A	Inconclusive: None Detected	
	TEM NYS 198.4 NOB	8/27/2012	Red /Black		N/A	None Detected	
AS8812-01-03A 031227136-0005 ROOF TAR PAPER	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Black		N/A	Inconclusive: None Detected	
	TEM NYS 198.4 NOB	8/27/2012	Black		N/A	None Detected	
AS8812-01-03B 031227136-0006 ROOF TAR PAPER	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Black		N/A	Inconclusive: None Detected	
	TEM NYS 198.4 NOB	8/27/2012	Black		N/A	<1% Chrysotile <1% Total	

Initial Report From 08/27/2012 22:00:40

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.emsl.com>manhattanlab@emsl.com

EMSL Order: 031227136

CustomerID: CLOU50

CustomerPO:

ProjectID:

Attn: **CHA**
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Albany, NY 12205

Phone: (518) 453-8702
 Fax: (518) 453-4773
 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-01-04A 031227136-0007	PLM NYS 198.1 Friable						Not Analyzed
SINK UNDERCOATING	PLM NYS 198.6 NOB	8/26/2012	White		N/A	2.7% Chrysotile	
						2.7% Total	
	TEM NYS 198.4 NOB	8/26/2012			N/A	Positive Stop (Not Analyzed)	
AS8812-01-04B 031227136-0008	PLM NYS 198.1 Friable						Not Analyzed
SINK UNDERCOATING	PLM NYS 198.6 NOB	8/26/2012			N/A	Positive Stop (Not Analyzed)	
	TEM NYS 198.4 NOB	8/26/2012			N/A	Positive Stop (Not Analyzed)	
AS8812-01-05A 031227136-0009	PLM NYS 198.1 Friable	8/27/2012	White	2.00% Cellulose	98%	None Detected	
STUCCO WALL FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-05B 031227136-0010	PLM NYS 198.1 Friable	8/27/2012	White	2.00% Cellulose	98%	None Detected	
STUCCO WALL FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-05C 031227136-0011	PLM NYS 198.1 Friable	8/27/2012	White		100%	None Detected	
STUCCO WALL FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-06A 031227136-0012	PLM NYS 198.1 Friable	8/27/2012		2.00% Wollastonite	98%	None Detected	
TEXTURED CEILING FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-06B 031227136-0013	PLM NYS 198.1 Friable	8/27/2012	White		100%	None Detected	
TEXTURED CEILING FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed

Initial Report From 08/27/2012 22:00:40

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.emsl.com>manhattanlab@emsl.com

EMSL Order: 031227136

CustomerID: CLOU50

CustomerPO:

ProjectID:

Attn: **CHA**
3 Winners Circle
Albany, NY 12205

Phone: (518) 453-8702
 Fax: (518) 453-4773
 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-01-06C 031227136-0014	PLM NYS 198.1 Friable	8/27/2012	White	2.00% Wollastonite	98%	None Detected	
TEXTURED CEILING FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-06D 031227136-0015	PLM NYS 198.1 Friable	8/27/2012	White		100%	None Detected	
TEXTURED CEILING FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-06E 031227136-0016	PLM NYS 198.1 Friable	8/27/2012	White		100%	None Detected	
TEXTURED CEILING FINISH	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-07A 031227136-0017	PLM NYS 198.1 Friable	8/27/2012	White	2.00% Cellulose	98%	None Detected	
SHEETROCK	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-07B 031227136-0018	PLM NYS 198.1 Friable	8/27/2012	Gray	15.00% Cellulose	85%	None Detected	
SHEETROCK	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-08A 031227136-0019	PLM NYS 198.1 Friable	8/27/2012	White	3.00% Cellulose	97%	None Detected	
JOINT COMPOUND	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-08B 031227136-0020	PLM NYS 198.1 Friable	8/27/2012	White		100%	None Detected	
JOINT COMPOUND	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed

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Albany, NY 12205

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 Fax: (518) 453-4773
 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-01-09A 031227136-0021	PLM NYS 198.1 Friable	8/27/2012	White	80.00% Cellulose	20%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
SHEETROCK TAPE	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-09B 031227136-0022	PLM NYS 198.1 Friable	8/27/2012	Tan	95.00% Cellulose	5%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
SHEETROCK TAPE	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-10A 031227136-0023	PLM NYS 198.1 Friable	8/27/2012	Black/Blue	75.00% Cellulose 10.00% Glass	15%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
FIBERGLASS INSULATION PAPER	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-10B 031227136-0024	PLM NYS 198.1 Friable	8/27/2012	Black/Yellow/	25.00% Glass 45.00% Cellulose	30%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
FIBERGLASS INSULATION PAPER	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-11A 031227136-0025	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Yellow		N/A	Inconclusive: None Detected	
CRAWLSPACE INSULATION GLUE	TEM NYS 198.4 NOB	8/27/2012	Yellow		N/A	None Detected	
AS8812-01-11B 031227136-0026	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Yellow		N/A	Inconclusive: None Detected	
CRAWLSPACE INSULATION GLUE	TEM NYS 198.4 NOB	8/27/2012	Yellow		N/A	None Detected	
AS8812-01-12A 031227136-0027	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Green /Beige		N/A	Inconclusive: None Detected	
LINOLEUM FLOORING (LIGHT GREEN/BEIGE)	TEM NYS 198.4 NOB	8/27/2012	Green /Beige		N/A	None Detected	

Initial Report From 08/27/2012 22:00:40

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Albany, NY 12205

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 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-01-12B 031227136-0028	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Green /Beige		N/A	Inconclusive: None Detected	
LINOLEUM FLOORING (LIGHT GREEN/BEIGE)	TEM NYS 198.4 NOB	8/27/2012	Green /Beige		N/A	None Detected	
AS8812-01-13A 031227136-0029	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan /Orange		N/A	Inconclusive: None Detected	
LINOLEUM FLOORING (ORANGE/TAN)	TEM NYS 198.4 NOB	8/27/2012	Tan /Orange		N/A	None Detected	
AS8812-01-13B 031227136-0030	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan /Orange		N/A	Inconclusive: None Detected	
LINOLEUM FLOORING (ORANGE/TAN)	TEM NYS 198.4 NOB	8/27/2012	Tan /Orange		N/A	None Detected	
AS8812-01-14A 031227136-0031	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan		N/A	Inconclusive: None Detected	
LINOLEUM FLOORING (BIG MULTI-SHAPED BOXES)	TEM NYS 198.4 NOB	8/27/2012	Tan		N/A	None Detected	
AS8812-01-14B 031227136-0032	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan		N/A	Inconclusive: None Detected	
LINOLEUM FLOORING (BIG MULTI-SHAPED BOXES)	TEM NYS 198.4 NOB	8/27/2012	Tan		N/A	None Detected	
AS8812-01-15A 031227136-0033	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan		N/A	Inconclusive: None Detected	
LINOLEUM FLOORING (BOX STYLE)	TEM NYS 198.4 NOB	8/27/2012	Tan		N/A	<1% Chrysotile <1% Total	

Initial Report From 08/27/2012 22:00:40

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3 Winners Circle
Albany, NY 12205

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 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-01-15B 031227136-0034 LINOLEUM FLOORING (BOX STYLE)	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan	<1% Glass	N/A	<1% Chrysotile	
						Inconclusive - <1% Total	
	TEM NYS 198.4 NOB	8/27/2012	Tan		N/A	<1% Chrysotile	
						<1% Total	
AS8812-01-16A 031227136-0035 LINOLEUM FLOORING (HEXAGONAL PATTERN)	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan		N/A	Inconclusive: None Detected	
	TEM NYS 198.4 NOB	8/27/2012	Tan		N/A	None Detected	
AS8812-01-16B 031227136-0036 LINOLEUM FLOORING (HEXAGONAL PATTERN)	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Tan		N/A	Inconclusive: None Detected	
	TEM NYS 198.4 NOB	8/27/2012	Tan		N/A	None Detected	
AS8812-01-17A 031227136-0037 PAPER BENEATH HEXAGONAL LINOLEUM FLOORING	PLM NYS 198.1 Friable	8/27/2012	Cream	55.00% Cellulose 15.00% Glass	30%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-01-17B 031227136-0038 PAPER BENEATH HEXAGONAL LINOLEUM FLOORING	PLM NYS 198.1 Friable	8/27/2012	Tan	96.00% Cellulose	4%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-02-18A 031227136-0039 PERIMETER FLASHING SEALANT/ GARAGE	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Black		N/A	Inconclusive: None Detected	
	TEM NYS 198.4 NOB	8/27/2012	Black		N/A	None Detected	

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 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-02-18B 031227136-0040	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Black		N/A	Inconclusive: None Detected	
PERIMETER FLASHING SEALANT/ GARAGE	TEM NYS 198.4 NOB	8/27/2012	Black		N/A	None Detected	
AS8812-02-19A 031227136-0041	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Black		N/A	Inconclusive: None Detected	
RUBBER ROOFING SEAM SEALANT	TEM NYS 198.4 NOB	8/27/2012	Black		N/A	None Detected	
AS8812-02-19B 031227136-0042	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Black		N/A	Inconclusive: None Detected	
RUBBER ROOFING SEAM SEALANT	TEM NYS 198.4 NOB	8/27/2012	Black		N/A	None Detected	
AS8812-02-20A 031227136-0043	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Gray /Black	1.4% Glass	N/A	Inconclusive: None Detected	
RUBBER MEMBRANE & PAPER	TEM NYS 198.4 NOB	8/27/2012	Gray /Black		N/A	None Detected	
AS8812-02-20B 031227136-0044	PLM NYS 198.1 Friable						Not Analyzed
	PLM NYS 198.6 NOB	8/26/2012	Black	1.9% Glass	N/A	Inconclusive: None Detected	
RUBBER MEMBRANE & PAPER	TEM NYS 198.4 NOB	8/27/2012	Black		N/A	None Detected	
AS8812-02-21 031227136-0045	PLM NYS 198.1 Friable	8/27/2012	Black/Yellow	40.00% Cellulose 15.00% Glass	45%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
FOAM INSULATION	TEM NYS 198.4 NOB				N/A		Not Analyzed
AS8812-02-22A 031227136-0046	PLM NYS 198.1 Friable	8/27/2012	Gray	2.00% Cellulose	98%	None Detected	
	PLM NYS 198.6 NOB				N/A		Not Analyzed
EXTERIOR DOOR PERIMETER GROUT	TEM NYS 198.4 NOB				N/A		Not Analyzed

Initial Report From 08/27/2012 22:00:40

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Attn: **CHA**
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Phone: (518) 453-8702
 Fax: (518) 453-4773
 Collected: 8/23/2012
 Received: 08/24/2012 10:55 AM
 Analysis Date: 8/26/2012

Project: **24513.1000.31000/ GRIA/ TWO BUILDINGS, NY****Test Report:Asbestos Analysis of Bulk Material**

Sample Description	Test	Analyzed Date	Color	Non Asbestos		Asbestos	Comments
				Fibrous	Non-Fibrous		
AS8812-02-22B	PLM NYS 198.1 Friable	8/27/2012	Gray		100%	None Detected	
031227136-0047	PLM NYS 198.6 NOB				N/A		Not Analyzed
EXTERIOR DOOR PERIMETER GROUT	TEM NYS 198.4 NOB				N/A		Not Analyzed

Analyst(s)

Emily Myint *Steve Juszczuk**Gerald Iannuzzi**Kamel Alawawda*James Hall, Laboratory Manager
or other approved signatory

NOB = Non Friable Organically Bound N/A = Not Applicable

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. The above test report relates only to the items tested. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The results in this report meet all requirements of the NELAC Standards unless otherwise noted. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB's. Quantitative TEM is currently the only method that can be used to determine if a NOB material can be considered or treated as non-asbestos containing.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From 08/27/2012 22:00:40



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Chain of Custody

EMSL Order Number (Lab Use Only):

031227136

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: CHA, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: III Winners Circle		Third Party Billing requires written authorization from third party	
City: Albany	State/Province: NY	Zip/Postal Code: 12205	Country: USA
Report To (Name): J. Morey		Fax #:	
Telephone #: 518-452-3915		Email Address: jmorey@CHA.com	
Project Name/Number: 24513.1000.31000 - GR1A - Two Buildings			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order:	U.S. State Samples Taken: NY
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour
<input type="checkbox"/> 72 Hour	<input type="checkbox"/> 96 Hour	<input checked="" type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Week
<small>*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability. Not all TAT options are valid for every test. Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)</small>			
Asbestos			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ 8hr. TWA	PLM - Bulk <input type="checkbox"/> PLM EPA 600/R-93/116 <input type="checkbox"/> PLM EPA NOB (<1%) <input checked="" type="checkbox"/> NYS 198.1 (friable-NY) <input checked="" type="checkbox"/> NYS 198.6 (non-friable-NY) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input checked="" type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP	
TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM - Water Fibers \geq 10 μ m <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> EPA Reg. 1 Screening Protocol (Qualitative)	
TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe-ASTM D6480		Other:	
Lead (Pb)			
Flame Atomic Absorption <input type="checkbox"/> Chips SW846-7000B or AOAC 974.02 <input type="checkbox"/> Soil SW846-7000B/7420 <input type="checkbox"/> Air NIOSH 7082 <input type="checkbox"/> Wastewater SM3111B or SW846-7000B/7420 <input type="checkbox"/> ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> non ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> TCLP SW846-1311/7420/SM 3111B		ICP <input type="checkbox"/> Air NIOSH 7300 Modified <input type="checkbox"/> non ASTM Wipe SW846-6010B or C <input type="checkbox"/> ASTM Wipe SW846-6010B or C <input type="checkbox"/> Soil SW846-6010 B or C <input type="checkbox"/> Waste Water SW846-6010B or C <input type="checkbox"/> TCLP SW846-6010B or C	
Graphite Furnace Atomic Absorption <input type="checkbox"/> Soil SW846-7421 <input type="checkbox"/> Wastewater EPA 200.9 <input type="checkbox"/> Air NIOSH 7105 <input type="checkbox"/> Drinking Water EPA 200.9		Other: <input type="checkbox"/>	
Microbiology			
Wipe and Bulk Samples <input type="checkbox"/> Mold & Fungi - Direct Examination <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi Culture (Genus & Species) <input type="checkbox"/> Bacterial Count & ID (Up to Three Types) <input type="checkbox"/> Bacterial Count & ID (Up to Five Types) <input type="checkbox"/> MRSA <input type="checkbox"/> <i>Pseudomonas aeruginosa</i>		Air Samples <input type="checkbox"/> Mold & Fungi (Spore Trap) <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi (Genus & Species) <input type="checkbox"/> Bacterial Culture & ID (Up to Three Types) <input type="checkbox"/> Bacterial Culture & ID (Up to Five Types) <input type="checkbox"/> Endotoxin Testing	
Water Samples <input type="checkbox"/> Total Coliform & E.coli (P/A) <input type="checkbox"/> Fecal Coliform (SM 9222D) <input type="checkbox"/> Sewage Screen <input type="checkbox"/> Heterotrophic Plate Count (SM 9215)		Real Time Q-PCR (See Analytical Guide for Code) Code: Legionella <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: <input type="checkbox"/>	
Materials Science			
<input type="checkbox"/> Common Particle ID (large particles) <input type="checkbox"/> Full Particle ID (environmental dust) <input type="checkbox"/> Basic Material ID (solids) <input type="checkbox"/> Advanced Material ID <input type="checkbox"/> Physical Testing (Tensile, Compression) <input type="checkbox"/> Combustion-by-products (soot, char, etc.) <input type="checkbox"/> X-Ray Fluorescence (elem. analysis) <input type="checkbox"/> X-Ray Diffraction (Crystalline Part.) <input type="checkbox"/> MMVF's (Fibrous glass, RCF's) <input type="checkbox"/> Particle Size (sieve/microscopy/laser) <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Petrographic Examination Other: <input type="checkbox"/>			
IAQ			
Nuisance Dust NIOSH <input type="checkbox"/> 0500 <input type="checkbox"/> 0600 Airborne Dust <input type="checkbox"/> PM10 <input type="checkbox"/> TSP Silica Analysis: <input type="checkbox"/> All Species Silica Analysis - Single Species <input type="checkbox"/> Alpha Quartz <input type="checkbox"/> Cristobalite <input type="checkbox"/> Tridymite <input type="checkbox"/> HVAC Efficiency <input type="checkbox"/> Carbon Black <input type="checkbox"/> Airborne Oil Mist Radon Testing: Call for Kit and COC Other: <input type="checkbox"/>			
**Comments/Special Instructions: <i>Positive Stop Each A+B Series of Samples. Analyze each sample in the 01-05 + 01-06 series!</i>			
Client Sample #'s		Total # of Samples:	
Relinquished (Client): <i>[Signature]</i>		Date: <i>8/24/12</i>	
Received (Lab): <i>[Signature]</i>		Date: <i>8/24/12</i>	
		Time: <i>10:55 am</i>	

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide
Controlled Document-OneChain R2-1/12/2010

1. of 4



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Chain of Custody
EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
01-01A	Gray Roof Penetration Sealant		
01-01B	"		
01-02A	Roof Shingle		
01-02B	"		
01-03A	Roof TAR Paper		
01-03B	"		
01-04A	Sink Undercoating		
01-04B	"		
01-05A	Stucco Wall Finish		
01-05B	"		
01-05C	"		
01-06A	Textured Ceiling Finish		
01-06B	"		
01-06C	"		
01-06D	"		
01-06E	"		
<p>*Comments/Special Instructions:</p> <p style="text-align: center;">All SAMPLE #'s PRECEDED BY: AS8812-</p>			

2012 AUG 24 10:55 AM
 EMSL ANALYTICAL, INC.
 REFERENCE

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

2 of 4

Rec'd: Gannan 8/24/12 10:55 am



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Chain of Custody
EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
01-07A	Sheetrock		
01-07B	"		
01-08A	Joint Compound		
01-08B	"		
01-09A	Sheetrock TAPE		
01-09B	"		
01-10A	Fiberglass Insulation Paper		
01-10B	"		
01-11A	Crawlspace Insulation Glue		
01-11B	"		
01-12A	Linoform Flooring [®] - Light Green/berse		
01-12B	"		
01-13A	Linoform Flooring [®] - orange/tan		
01-13B	"		
01-14A	Linoform Flooring [®] - Big Mult - Shaped Boxes		
01-14B	"		
*Comments/Special Instructions:			

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

3 of 4
rec'd: G. Marston 8/29/12 10:55 am



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Chain of Custody
EMSL Order Number (Lab Use Only):

[Empty box for EMSL Order Number]

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
01-15A	Linoleum Flooring - Box Style		
01-15B	"		
01-16A	Linoleum Flooring - Hexagonal Pattern		
01-16B	"		
01-17A	Paper beneath Hexagonal Linoleum Flooring		
01-17B	"		
02- 18A ^{18A}	Perimeter Flashing Sealant Garage		
02-18B	"		
02-19A	Rubber Roofing Seam Sealant		
02-19B	"		
02-20A	Rubber Membrane + Paper		
02-20B	"		
02-21	Foam Insulation Paper		
02- 22A ^{22A}	Exterior Door Perimeter Grout		
02-22B	"		
*Comments/Special Instructions:			

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

4 of 4
rec'd: Gwansan 8/24/12 10:55 am

APPENDIX C

Personnel and Laboratory Licenses

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

CHA Consulting, Inc.

III Winners Circle

Albany, NY 12205

FILE NUMBER: 11-60318

LICENSE NUMBER: 60318

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 06/27/2012

EXPIRATION DATE: 07/31/2013

Duly Authorized Representative – Margaret M Rudzinski

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.

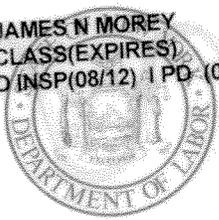


Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



JAMES N MOREY
CLASS(EXPIRES)
D (INSP(08/12) | PD (08/12)



CERT# 00-11983
DMV# 589756376

MUST BE CARRIED ON ASBESTOS PROJECTS

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



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. JAMES HALL
EMSL ANALYTICAL, INC
307 WEST 38TH STREET
NEW YORK, NY 10018

NY Lab Id No: 11506

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:

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material EPA 800/M4/82/020
Item 198.1 of Manual

Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM Item 198.4 of Manual

Lead in Dust Wipes EPA 7000B

Lead in Paint EPA 7000B

Sample Preparation Methods

APP. 14.2, HUD JUNE 1995
EPA 3050B

Serial No.: 46381

Property of the New York State Department of Health. Certificates are valid only at the address shown; must be conspicuously posted; and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.

CHIA

