



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 1 TO PROJECT NO. 44332

**CONSTRUCTION WORK, ELECTRIC WORK
UPGRADE DOMESTIC WATER INFRASTRUCTURE
DISINFECTION BYPRODUCT CONTROL
MOHAWK CORRECTIONAL FACILITY
6514 RT. 26
ROME, NEW YORK**

August 22, 2014

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

BIDDING REQUIREMENTS

1. Page 003126-1, Subparagraph 1.01, replace the last sentence in its entirety and replace with the following: "See the Shumaker Consulting Engineering & Land Surveying, P.C. reports dated October 14, 2013, May 2, 2014 and August 13, 2014 included in the Appendix for type, condition, location and approximate quantity of ACM."
2. Add the attached Shumaker Consulting Engineering & Land Surveying, D.P.C. letter to David Wilber, dated August 13, 2014 to the Appendix.

CONSTRUCTION WORK SPECIFICATIONS

1. Page 030131-1: Change the first sentence in 1.02(A) to read as follows: "The work includes rehabilitation and repair of concrete associated with the interior and exposed exterior of the Underground Water Storage Tank, and repair of any spalled concrete on the exterior base of the elevated tank."
2. Page 221100-7: Add the following Subparagraph 2.08:

"2.08 STEEL PIPE AND FITTINGS

- A. Steel Pipe for Threading: Standard weight, Schedule 40, black or galvanized; ASTM A 53 or ASTM A 135.
- B. Malleable Iron, Steam Pattern Threaded Fittings:
 1. 150 lb Class: ASME B16.3.

- C. Cast Iron Fittings:
 - 1. Drainage Pattern, Threaded: ASME B16.12.
 - 2. Steam Pattern, Threaded: ASME B16.4.
 - a. Standard Weight: Class 125.
 - 3. Flanged Fittings and Threaded Flanges: ASME B16.1.
 - a. Standard Weight: Class 125.
 - D. Unions: Malleable iron, 250 lb class, brass to iron or brass to brass seats.
 - E. Couplings: Same material and pressure rating as adjoining pipe, conforming to standards for fittings in such pipe. Use taper tapped threaded type in screwed pipe systems operating in excess of 15 psig.
 - F. Nipples: Same material and strength as adjoining pipe, except nipples having a length of less than one inch between threads shall be extra heavy.”
- 3. Page 330111-2: 3.01(D)(3) change section “030130” to “030131”.
 - 4. Page 028334-6: 3.03(B) Delete this paragraph in its entirety.

CONSTRUCTION WORK DRAWINGS

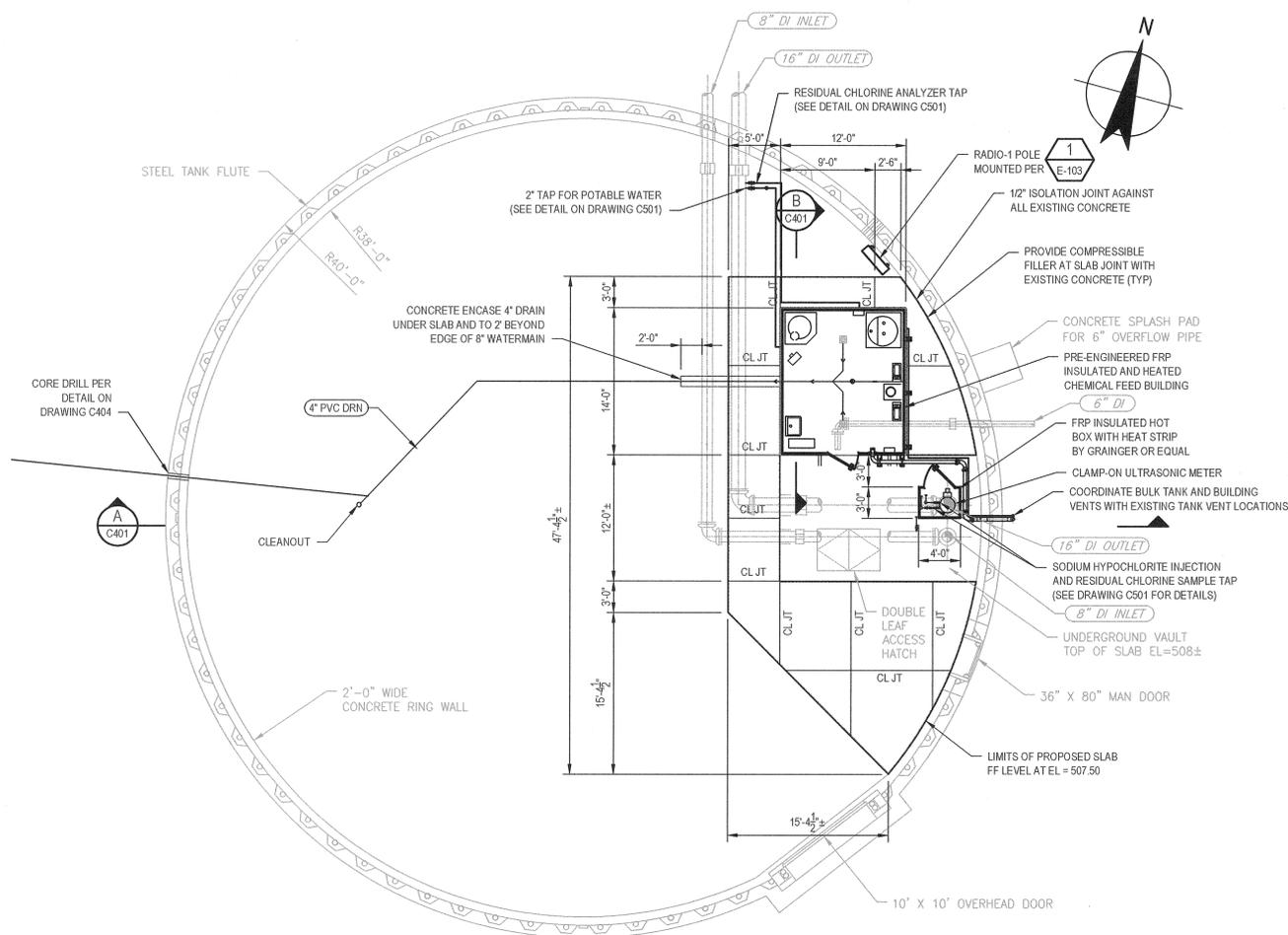
- 1. Drawing C-401: Replace in its entirety with revised Drawing C-401, attached.
- 2. Drawing P-102: The bold line running from the 8” discharge line to the 8” suction line is an existing line and it should be unbolded and noted as existing. The new 2” priming line to pumps #4 and #5 should be noted as steel pipe .

ELECTRICAL WORK DRAWINGS

- 1. Drawing Nos. ED-101, ED-102, E-101, E-102, E-103, and E-104: Replace all alpha-numeric in Project Number of the Project Title Block with “44332-E”

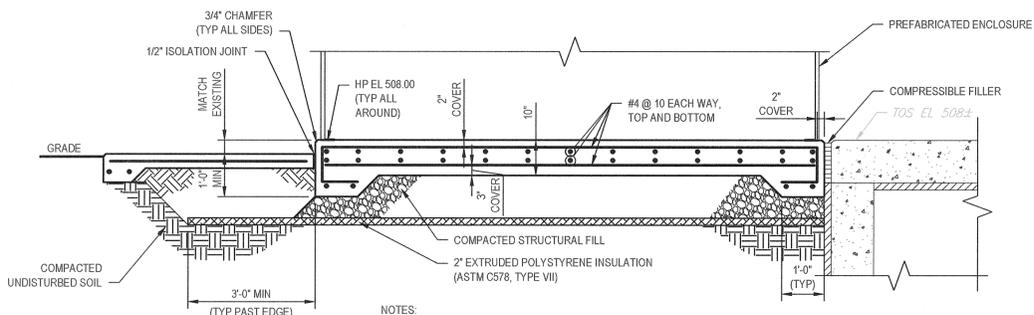
END OF ADDENDUM

Margaret F. Larkin
Acting Executive Director



FLOOR PLAN - ELEVATED TANK

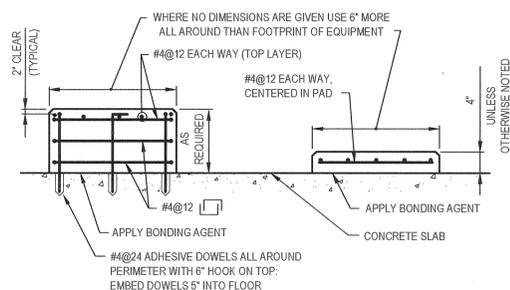
SCALE: 1/8" = 1'-0"



- NOTES:**
- ATTACH PREFABRICATED STRUCTURE TO SLAB PER MANUFACTURER RECOMMENDATIONS.
 - SLOPE FLOOR TOWARDS FLOOR DRAINS AT 1/4" PER FOOT FROM HIGH POINT EL OF 508± AT PERIMETER OF SLAB.

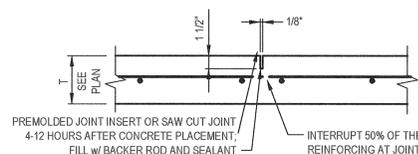
B SECTION

C401 NOT TO SCALE



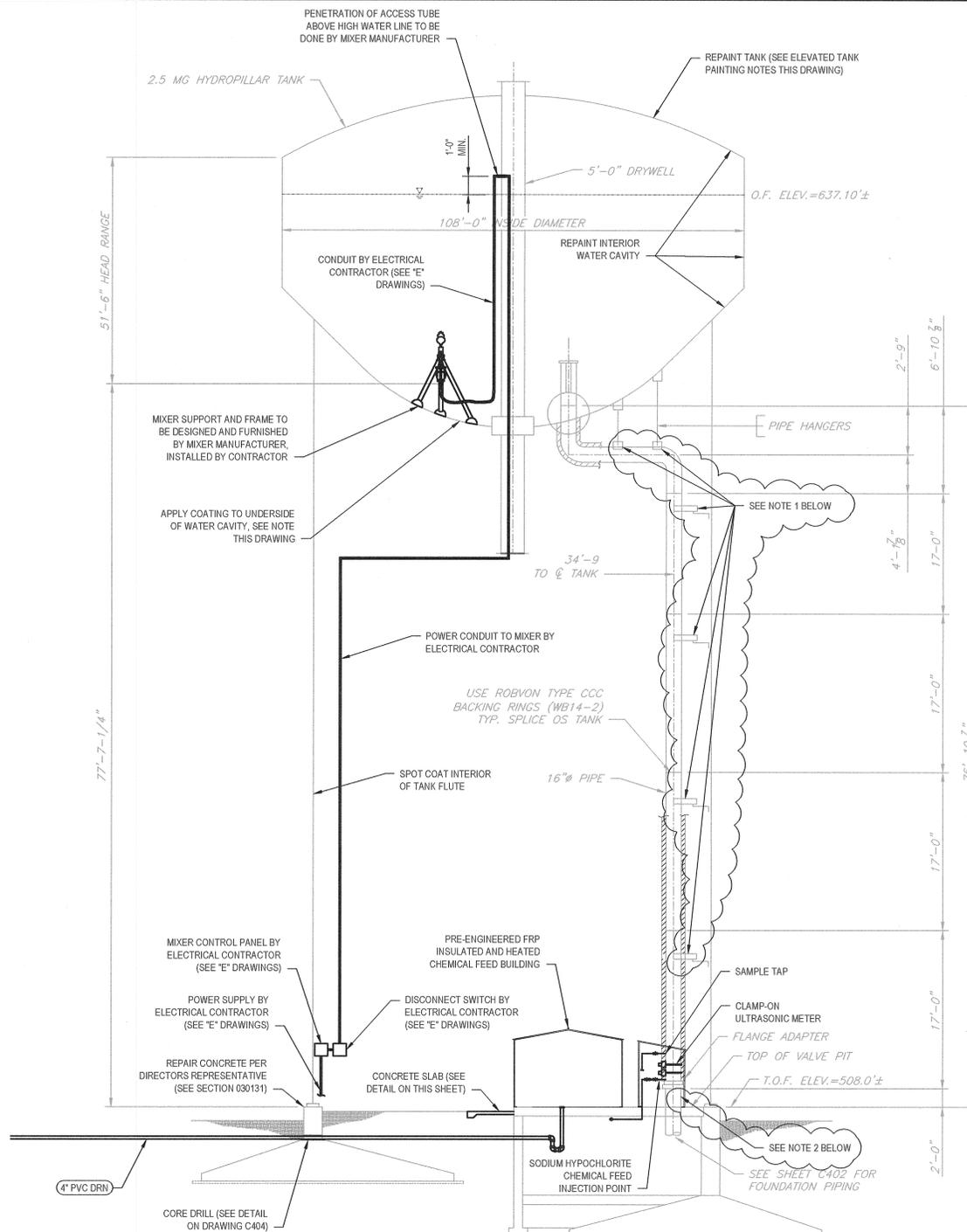
REINFORCEMENT FOR CONCRETE PADS

NOT TO SCALE



SLAB ON GRADE CONTROL JOINT (CL JT)

NOT TO SCALE



ELEVATED TANK PAINTING NOTES:

THE SCOPE OF WORK FOR PAINT REMOVAL INCLUDES:

- COMPLETE REMOVAL OF PAINT WITHIN THE INTERIOR OF THE ELEVATED TANK WATER CAVITY.
- COMPLETE REMOVAL OF PAINT ON THE EXTERIOR OF THE TANK INCLUDING THE TANK FLUTE AND EXPOSED EXTERIOR OF THE WATER CAVITY.
- COMPLETE REMOVAL OF PAINT ON THE EXTERIOR BOTTOM OF THE WATER CAVITY (BOWL) LOCATED WITHIN THE FLUTE.
- SPOT PAINT REMOVAL OF PAINT ON THE INTERIOR SURFACE OF THE TANK FLUTE, AND ASSOCIATED INTERIOR TANK APPURTENANCES.
- COMPLETE REMOVAL OF PAINT ON THE WATER PIPING LOCATED WITHIN THE UNDERGROUND PIPE VAULT LOCATED WITHIN THE TANK FLUTE.

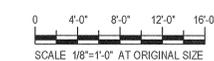
ELEVATED TANK AND VAULT PAINTING NOTES

THE SCOPE OF WORK FOR TANK PAINTING AND VAULT PAINTING INCLUDES:

- COMPLETE PAINTING OF THE INTERIOR OF THE ELEVATED STEEL TANK WATER CAVITY PER SECTION 099701: TYPE C-4.
- COMPLETE PAINTING OF THE BOTTOM OF THE WATER CAVITY (BOWL) LOCATED WITHIN THE FLUTE PER SECTION 099701: TYPE C-4.
- COMPLETE PAINTING OF THE EXTERIOR OF THE TANK INCLUDING THE TANK FLUTE AND EXPOSED EXTERIOR OF THE WATER CAVITY PER SECTION 099701: TYPE C-5.
- SPOT PAINTING ON THE INTERIOR SURFACE OF THE TANK FLUTE AND ASSOCIATED INTERIOR TANK APPURTENANCES PER SECTION 099701: TYPE C-8.
- COMPLETE PAINTING OF THE EXPOSED DIP LOCATED IN THE UNDERGROUND VAULT (UNDER THE ELEVATED STORAGE TANK) PER SECTION 099703.
- UPON COMPLETION OF PAINTING, TANK SHALL BE DISINFECTED PER SECTION 331300.
- A DESCRIPTION OF THE CONDITION OF THE ELEVATED TANK CAN BE FOUND IN: MOHAWK 2.5 MG WATER STORAGE TANK INSTRUCTION, PROJECT NO 58336, PREPARED BY H2M, FEBRUARY 2012.

NOTES:

- CAREFULLY REMOVE INSULATION AT WALL BRACKETS AND HANGERS. PROVIDE OWNER ACCESS FOR INSPECTION OF EXPOSED SURFACES. SPOT PAINT REMOVAL OF PAINT AS REQUIRED. SPOT PAINT PER SECTION 099701: TYPE C-2. RESECURE INSULATION UPON COMPLETION OF SPOT REPAIRS AFTER THE APPROPRIATE CURE TIME HAS PASSED. INSULATION DAMAGED DUE TO CONTRACTOR'S ACTIVITIES SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER. TYPICAL 6 LOCATIONS ON 20" PIPE RISER AND 6 LOCATIONS ON 8" RISER PIPE.
- COMPLETELY REMOVE PAINT FROM THE TOP OF THE UNDERGROUND VAULT UP TO AND INCLUDING THE FIRST FITTING. REMOVE EXISTING DAMAGED INSULATION FROM THE TOP OF THE FIRST FITTING TO THE BOTTOM OF THE EXISTING STAINLESS STEEL JACKET (APPROXIMATELY 4 FEET). COMPLETELY PAINT EXPOSED DIP PER SECTION 099703. FURNISH AND INSTALL RIGID CLOSED-CELL INSULATION WITH STAINLESS STEEL JACKET AND STRAPS FROM TOP OF VAULT TO THE BOTTOM OF THE EXISTING STAINLESS STEEL JACKET AFTER THE APPROPRIATE PAINT CURE TIME HAS PASSED. TYPICAL FOR 16" RISER PIPE AND 8" RISER PIPE.



WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT: CONSTRUCTION

TITLE: UPGRADE DOMESTIC WATER INFRASTRUCTURE

LOCATION: MOHAWK CORRECTIONAL FACILITY
6514 RT. 26
ROME, NY 13440

CLIENT: DEPARTMENT OF CORRECTIONS & COMMUNITY SERVICES

MARK	DATE	DESCRIPTION
	08/19/14	ADDENDUM 1
PROJECT NUMBER:	44332-C	
DESIGNED BY:	SLT	
DRAWN BY:	JDF	
FIELD CHECK:	XXX	
APPROVED:	KAC	
SHEET TITLE:		
ELEVATED WATER STORAGE TANK PLANS AND SECTIONS		
DRAWING NUMBER:		
C-401		
SHEET 4 OF 23		



August 13, 2014

Mr. David Wilbur
New York State Office of General Services D&C
Empire State Plaza
Corning Tower, 34th Floor
Albany, NY 12242

**Re: Asbestos and HAZMAT Assessment
Mohawk Correctional Facility
Rome, New York
SCE No. R09232.08 OGS Project No. 44332**

Dear Mr. Wilbur:

Shumaker Consulting Engineering & Land Surveying, D.P.C. (SCE) conducted a site visit on August 8, 2014 to do an assessment for suspect asbestos-containing materials (SACM) that will be impacted during the planned repairs to the water riser pipes located in the water tower of Mohawk Correctional Facility.

During the inspection one (1) homogenous material was found to be suspect.

A suspect material is considered to be an asbestos-containing material (ACM) under United States Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 unless it is demonstrated, by approved techniques, that bulk samples from a homogeneous sampling area contain less than or equal to one percent ($\leq 1\%$) asbestos by weight.

The white/silver pipe wrap located on both the 20-inch and 8-inch lines were sampled and determined to be non-ACM.

There were no other SACM observed on either of these two (2) pipes during the site visit. Should any suspect materials beyond those documented herein be discovered within the project limits, the material should be assumed to be ACM. Any activities disturbing ACM, including assumed ACM, would be considered an asbestos abatement project and would require use of certified asbestos abatement personnel.

BINGHAMTON, NY
143 Court Street
Binghamton, NY 13901
607-798-8081 * Fax 798-8186

UTICA, NY
430 Court Street, Suite 101
Utica, NY 13502
315-724-0100 * Fax 724-3715

ALBANY, NY
1510 Central Avenue, Suite 330
Albany, NY 12205
518-452-5730 * Fax 452-9230

MONROSE, PA
16501 State Route 706, Suite 4
Monroeville, PA 15146
724-382-0024 * Fax 724-382-0024

Mr. David Wilbur
August 13, 2014
Page 2

Please do not hesitate to contact me at (315) 724-0100 should you have any questions or need any additional information.

Very truly yours,

**SHUMAKER CONSULTING ENGINEERING
& LAND SURVEYING, D.P.C.**

A handwritten signature in black ink, appearing to read "Timothy J. Brown Jr.", with a long horizontal flourish extending to the right.

Timothy J Brown Jr.
Junior Engineer

TJB/krf

Attachments

ATTACHMENT A

ASBESTOS LABORATORY REPORT



PLM & TEM BULK ASBESTOS REPORT

Client: Shumaker Consulting Engineering & Lead Surveying, D.P.C.

Job No: 8805-14

Location: Mohawk Correctional Facility
Water Tower

Page: 1 of 2

Sample Date: 8/8/2014

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
01-01	59504	Interior, 20" Riser North Face	White/Silver Fibrous Pipe Wrap	None Detected	0%		Not Required	N/A	Cellulose 95% Fiberglass 3%	2%
01-02	59505	Interior, 20" Riser South Face	White/Silver Fibrous Pipe Wrap	None Detected	0%		Not Required	N/A	Cellulose 95% Fiberglass 2%	3%
01-03	59506	Interior 8" Riser West Face	White/Silver Fibrous Pipe Wrap	None Detected	0%		Not Required	N/A	Cellulose 95% Fiberglass 2%	103%



Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

√ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.")

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

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

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

PLM Date Analyzed: 8/12/2014

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

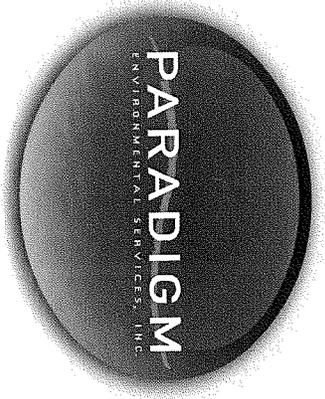
TEM Analyst: N/A

Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

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



CHAIN OF CUSTODY FOR PLM/TEM BULK ASBESTOS ANALYSIS

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

***First Positive Stop on All Homogeneous Materials. Analyze only materials on chain; other analyses at lab cost.**

Client: Shumaker Consulting Engineering	Contact: Sam Syrotynski SDS@shumakerengineering.com	OFFICE USE ONLY	
Phone Number: 315-724-0100	Fax Number: 518-452-9230	Job #: 8805-14	Page 2 of 2
Results To: Tim Brown TJB@shumakerengineering.com	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> Other <input type="checkbox"/>	Date Logged In: 8/11	Logged In By: mm
Date Sampled: 8-8-14	Material Type/Quantity: Friable NOB 3 TEM		
Project Location: Mohawk Correctional Facility Water Tower			

Client ID	Lab ID	Sampling Location	Color	Material Size	Type of Material
1	01-01	Interior, 80" Riser, North Face	White/Silver		Pipe wrap
2	01-02	Interior, 80" Riser, South Face			
3	01-03	Interior, 8" Riser, West Face			
4					
5					
6					
7					
8					
9					
#					

Client Mailing Address:
430 Court St.
Utica, New York 13502

Sampled By: TJB **Date:** 8-8-14

Transported to Paradigm By: **Date:**

Received By: mm **Date:** 8/11

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless other methods are requested.

Stop first positive per homogeneous group (PLM)

3 of 3 samples GR/PLM

3 of 3 samples to TEM to confirm inconclusive

Stop first positive per homogeneous group (TEM)

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 3

ATTACHMENT B
CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Shumaker Consulting, Engineering and Land Surveying,
P.C.
143 Court Street
Binghamton, NY 13901

FILE NUMBER: 00-0828
LICENSE NUMBER: 29368
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 12/19/2013
EXPIRATION DATE: 12/31/2014

Duly Authorized Representative – Linda M Shumaker PE:

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.



Eileen M. Franko, Acting Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



TIMOTHY J BROWN JR.
CLASS(EXPIRES)
C ATEC(06/15) D INSP(06/15)
H PM (06/15)

CERT# 12-10914
DMV# 958656167

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 000236418 04

EYES HAZ
HAIR BRO
HGT 6' 00"

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

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

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

NY Lab Id No: 10958

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

Miscellaneous

- | | |
|--------------------------------------|-------------------------------------------|
| Asbestos in Friable Material | Item 198.1 of Manual
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 |
| Lead in Dust Wipes | EPA 6010C |
| Lead in Paint | EPA 6010C |

Sample Preparation Methods

EPA 3050B
APP. 14.2, HUD JUNE 1995

Serial No.: 50447

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

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

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

NY Lab Id No: 10958

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

Metals I

Lead, Total NIOSH 7300

Miscellaneous Air

Asbestos 40 CFR 763 APX A No. III

NIOSH 7402

Fibers

NIOSH 7400 A RULES

NEW YORK STATE
DEPARTMENT OF HEALTH

Serial No.: 50449

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



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200530-0

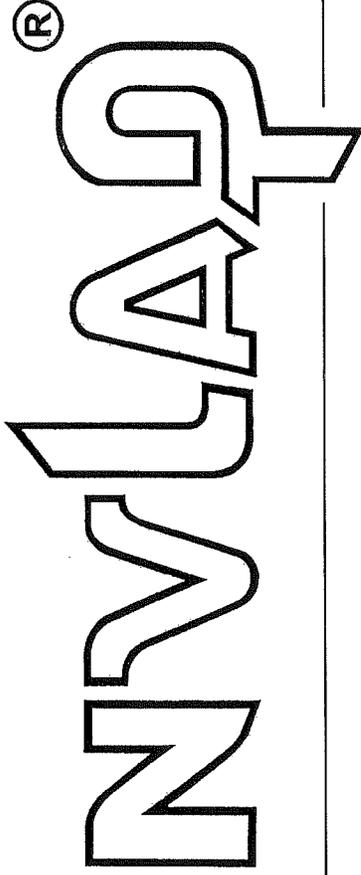
<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2013-07-01 through 2014-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

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

BULK ASBESTOS FIBER ANALYSIS

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

2013-07-01 through 2014-06-30

Effective dates



A handwritten signature in black ink, appearing to read "Michael R. M. L. D.", is written over a horizontal line.

For the National Institute of Standards and Technology