



DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 1 TO PROJECT NO. 44924

**CONSTRUCTION WORK
REPLACE CONCRETE WATER TANK, BUILDING 138
WATERTOWN CORRECTIONAL FACILITY
23147 SWAN ROAD
WATERTOWN, NY**

March 17, 2016

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.

SPECIFICATION GROUP

1. 334104 CORRUGATED POLYETHYLENE STORM DRAIN PIPE: Add the accompanying specification.
2. 000110 TABLE OF CONTENTS: Add the accompanying specification.
3. 011000 SUMMARY OF WORK, Page 011000-01: Remove reference to “(base bid)” from paragraph 1.06.C.5.
4. 011000 SUMMARY OF WORK, Page 011000-01: Remove paragraph 1.06.C.6.
5. 011000 SUMMARY OF WORK, Page 011000-01: Remove paragraph 1.06.C.6.
6. 331613.21 GLASS COATED, BOLTED STEEL ABOVEGROUND WATER UTILITY STORAGE TANK, Page 331613.21-02: Remove reference to “D100-05” from paragraph 1.03.D.
7. 464127 SUBMERSIBLE MIXERS, Page 464127-01: Add “Medora Corp. (SolarBee) - Model Gridbee GS-12 to paragraph 2.01.B.
8. 013200 CONSTRUCTION PROGRESS DOCUMENTATION, Page 013200-03: Revise paragraph 1.05.A “Tank Painting Contractor” to state “Tank Construction Contractor”.

CONSTRUCTION WORK DRAWINGS

9. Drawing No. M-102 & E-101 revised and attached.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

SECTION 334104

CORRUGATED POLYETHYLENE STORM DRAIN PIPE

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Concrete for Cradles: Section 033000.
- B. Earthwork: Section 310000.
- C. Rock Removal: Section 312316.

1.02 SUBMITTALS

- A. Product Data: Manufacturer’s specifications (AASHTO M-252 or AASHTO M-294), including dimensions, allowable height of cover information, and installation instructions.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Advanced Drainage Systems, Inc., 3300 Riverside Dr., Columbus, OH 43221; (614) 457-3051.
- B. Hancor, Inc., 401 Olive St., Findlay, OH 45840; (800) 847-5880.

2.02 MATERIALS

- A. Corrugated Polyethylene Pipe (Smooth Interior): Conform to AASHTO M-294 (12 to 36-inch diameter).
 - 1. Coefficient of Roughness (interior pipe surface): 0.012 maximum (Manning formula).
 - 2. Classification: Type S.
 - 3. Minimum Pipe Stiffness Values:

DIAMETER	PIPE STIFFNESS (PER ASTM D 2412)
4", 6", 8", 10", 12"	50 psi
15"	42 psi
18"	40 psi
24"	34 psi
30"	28 psi
36"	22 psi

- 4. Joint Couplings: Polyethylene Couplers; snap-on type or split collar through 24-inch diameter, screw-on type where applicable.

- a. Corrugated to match pipe corrugations, width not less than one half pipe diameter.
 - b. Split couplings shall engage an equal number of corrugations on each side of the joint.
5. Joint Couplings: Polyethylene, bell-and-spigot type couplers utilizing an elastomeric gasket conforming to ASTM F 477.
- B. Fittings:
1. High density polyethylene meeting the properties specified for the pipe.
 2. Either molded or fabricated.
 3. Designed specifically for the pipe furnished and manufactured by the pipe manufacturer.
- C. Headwalls and End Sections: Reinforced concrete.
1. Conform to shape, dimensions, and thickness shown on the drawings.
 2. Use only extra length rod and lug-type, galvanized coupling band connectors.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Laying: Lay pipe to indicated line and grade with a firm uniform bearing for the entire length of the pipe. Fill excess excavation with suitable materials and tamp.
- B. Joints: Install coupling and fasten per manufacturer's instructions.
- C. Connections:
1. Make connections to existing pipe by using a galvanized steel "dimple"-type coupling. Remake damaged existing joints.
 2. Make connections to existing manholes and drainage structures by cutting into the floor or bench of the manhole or drainage structure and forming a new channel.
 3. If the pipe, manholes or other structures with which connections are to be made have not yet been installed, install the pipe to a point directed by the Director's Representative and plug or cap the end in a satisfactory manner.

END OF SECTION

APPENDIX 2: LABORATORY SAMPLES:

Coatings samples retrieved from the tank interior and exterior were submitted to the H2M Laboratory for testing. All samples were tested for total metals (TCLP List). Please see the H2M Laboratory analytical report below:



H2M Architects and Engineers

538 Broad Hollow Road
 Melville, NY 11747

Attn To :
 Collected : 7/3/2014
 Received : 7/18/2014 1:45:00 PM WATERTOWN PCE
 Collected By H2MPC

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Lab No. : 1407D53-001
 Client Sample ID: SAMPLE #1 (PAINT CHIP)
 INTERIOR

Sample Information:

Type : Paint

Origin:

Analytical Method: SW6010 :		Prep Method: SW3050A		Prep Date: 7/22/2014 10:27:00 AM	Analyst: HT	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Arsenic	< 1.0		1	mg/kg	07/23/2014 2:46 PM	Container-01 of 01
Barium	26		1	mg/kg	07/23/2014 2:46 PM	Container-01 of 01
Cadmium	1.2		1	mg/kg	07/23/2014 2:46 PM	Container-01 of 01
Chromium	< 1.0		1	mg/kg	07/23/2014 2:46 PM	Container-01 of 01
Lead	50		1	mg/kg	07/23/2014 2:46 PM	Container-01 of 01
Selenium	< 0.50		1	mg/kg	07/23/2014 2:46 PM	Container-01 of 01
Silver	< 1.0		1	mg/kg	07/23/2014 2:46 PM	Container-01 of 01

Analytical Method: SW7471 :		Prep Method: SW7471		Prep Date: 7/31/2014 10:43:00 AM	Analyst: HT	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.20		1	mg/Kg	07/31/2014 2:47 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
 B = Found in Blank
 D.F. = Dilution Factor D = Results for Dilution
 H = Received/analyzed outside of analytical holding time
 + = NYSDOH ELAP does not offer certification for this analyte / matrix / method
 c = Calibration acceptability criteria exceeded for this analyte
 r = Reporting limit > MDL and < LOQ, Value estimated.
 J = Estimated value - below calibration range
 S = Recovery exceeded control limits for this analyte
 N = Indicates presumptive evidence of compound

Stu Murrell
 Sr. Project Manager

Test results meet the requirements of NELAC unless otherwise noted.
 This report shall not be reproduced except in full, without the written approval of the laboratory.



LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

H2M Architects and Engineers

538 Broad Hollow Road
Melville, NY 11747

Attn To :

Collected : 7/3/2014

Received : 7/18/2014 1:45:00 PM WATERTOWN PCE

Collected By H2MPC

Lab No. : 1407D53-002

Client Sample ID: **SAMPLE #2 (PAINT CHIP)**
EXTERIOR

Sample Information:

Type : Paint

Origin:

Analytical Method: SW6010 :		Prep Method: SW3050A		Prep Date: 7/22/2014 10:27:00 AM		Analyst: HT	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Arsenic	< 1.0		1	mg/kg	07/23/2014 2:52 PM	Container-01 of 01	
Barium	< 20		1	mg/kg	07/23/2014 2:52 PM	Container-01 of 01	
Cadmium	< 0.50		1	mg/kg	07/23/2014 2:52 PM	Container-01 of 01	
Chromium	3.3		1	mg/kg	07/23/2014 2:52 PM	Container-01 of 01	
Lead	61		1	mg/kg	07/23/2014 2:52 PM	Container-01 of 01	
Selenium	< 0.50		1	mg/kg	07/23/2014 2:52 PM	Container-01 of 01	
Silver	< 1.0		1	mg/kg	07/23/2014 2:52 PM	Container-01 of 01	
Analytical Method: SW7471 :		Prep Method: SW7471		Prep Date: 7/31/2014 10:43:00 AM		Analyst: HT	
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:	
Mercury	0.51		1	mg/Kg	07/31/2014 2:49 PM	Container-01 of 01	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

H = Received/analyzed outside of analytical holding time

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

c = Calibration acceptability criteria exceeded for this analyte

r = Reporting limit > MDL and < LOQ, Value estimated.

J = Estimated value - below calibration range

S = Recovery exceeded control limits for this analyte

N = Indicates presumptive evidence of compound

Stu Murrell

Sr.Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 7/31/2014



PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name H2MPC Date and Time Received: 7/18/2014 1:45:00 PM
Work Order Number: 1407D53 RcptNo: 1 Received by Melissa Watson

Completed by: M. Watson Reviewed by: Stu Murrell
Completed Date: 7/18/2014 2:05:58 PM Reviewed Date: 7/21/2014 4:24:17 PM

Carrier name: Client

- Chain of custody present? Yes [checked] No []
Chain of custody signed when relinquished and received? Yes [checked] No []
Chain of custody agrees with sample labels? Yes [checked] No []
Are matrices correctly identified on Chain of custody? Yes [checked] No []
Is it clear what analyses were requested? Yes [checked] No []
Custody seals intact on sample bottles? Yes [] No [] Not Present [checked]
Samples in proper container/bottle? Yes [checked] No []
Were correct preservatives used and noted? Yes [checked] No [] NA []
Preservative added to bottles:
Sample Condition? Intact [checked] Broken [] Leaking []
Sufficient sample volume for indicated test? Yes [checked] No []
Were container labels complete (ID, Pres, Date)? Yes [checked] No []
All samples received within holding time? Yes [checked] No []
Was an attempt made to cool the samples? Yes [] No [] NA [checked]
All samples received at a temp. of > 0° C to 6.0° C? Yes [] No [] NA [checked]
Response when temperature is outside of range:
Sample Temp. taken and recorded upon receipt? Yes [] No [checked] To °
Water - Were bubbles absent in VOC vials? Yes [] No [checked] No Vials [checked]
Water - Was there Chlorine Present? Yes [] No [] NA [checked]
Water - pH acceptable upon receipt? Yes [] No [] No Water [checked]
Are Samples considered acceptable? Yes [checked] No []
Custody Seals present? Yes [] No [checked]
Airbill or Sticker? Air Bil [] Sticker [] Not Present [checked]

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? [] Yes [] No [checked] NA Person Contacted:
Contact Mode: [] Phone: [] Fax: [] Email: [] In Person:
Client Instructions:
Date Contacted: Contacted By:
Regarding:
Comments:
CorrectiveAction:

Please feel free to contact this office with any questions you may have.

Very truly yours,

H2M architects + engineers



Jordan Cunningham
Coatings Inspector
NACE Certified Coatings Inspector #32921



Kevin J. DePiazzy
Jr. Coatings Inspector

JCC: KJD: ttz

Enclosures: