

**THE DELAVAL PROPERTY  
ENVIRONMENTAL RESTORATION PROGRAM PROJECT**

**Addendum No. 3**

September 21, 2007

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**I. Changes to the Contract Specifications**

1. Bid Form, Page BF-2:

- a. REPLACE Pages BF-13 BF-16 of the Bid Form provided in Addendum No. 2 with revised Pages BF-13 and BF-16, respectively, included as Attachment A to this addendum. The revised Page BF-13 reflects a decrease in the quantity of steel sheet pile (SSP) toe pins from 199 each to 50 each. The revised Page BF-16 includes the addition of Item 54 – Alternate Anchor Plate Assemblies at Zone 3 Steel Sheet Pile Bulkhead.
  
- b. DELETE the following text from Line Item 4 on Page BF-2 of the Bid Form.

Alternative A (add)(deduct) _____		(\$ _____ )
Alternative B (add)(deduct) _____		(\$ _____ )
TOTAL BID FOR ALL UNIT PRICES _____		(\$ _____ )
(use words)		(figures)

Line Item 50 has been provided for Alternate 1 on Page BF-15. Page BF-16, the last page of the unit price table, provides a place for the Contractor to write in the Total Bid for All Unit Prices in words and figures.

2. Section 01270 – Unit Prices:

REPLACE Item Nos. 35 & 44 with the following:

II. Item No. 35 – Site Grading

- 1. Description: Includes all labor, materials, tools, equipment, supervision, and incidentals necessary for conducting minor grading activities within the limits of the soil cover layer, as ordered by the Engineer or the New York State Department of Environmental Conservation, prior to the placement of the demarcation barrier across the project site. The site grading activities include, but are not limited to, filling in small low spots to provide positive drainage, removing small high spots, and excavating a drainage swale as shown on the Contract Drawings. The cost of installing the reinforcement fabric and placing topsoil and seed within the drainage swale shall be included in this item.
  
- 2. Unit of Measurement: The quantity to be paid for under this item shall be based on the actual number of square yards of area graded as directed by Engineer or the New York State Department of Environmental Conservation.
  
- 3. Payment: Full compensation for furnishing all labor, materials, tools, and equipment necessary to establish the grades shown on the Contract Drawings, as specified herein, and as ordered by Engineer. Grading of swales and drainage channels prior to installation of the capping system shall be included under this item.

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- RR. Item No. 44 – Toe Pin Assemblies at Zone 1 Steel Sheet Pile Bulkhead
1. Description: Includes all labor, materials, tools, equipment, supervision, and incidentals required for installation of Toe Pin Assemblies at the Zone 1 steel sheet pile bulkhead in accordance with the Contract Documents where the rock layer is at EL -22.0 or higher. The Contractor is to promptly notify the Engineer of such occurrence and submit pile driving logs containing as-built tip elevations of the driven sheet piles. The Engineer will then determine and notify the Contractor of the location and quantity of Toe Pin Assemblies to be installed.
  2. Measurement: The quantity to be paid under this item shall be based upon the actual number of Toe Pin Assemblies installed.
  3. Payment: Full compensation for furnishing all labor, materials, tools, and equipment necessary to install Toe Pin Assemblies as shown on the Contract Drawings, as specified herein, and as ordered by the Engineer.

ADD the following items to the Unit Price section:

- AC. Item No. 54 – Alternate Anchor Plate Assemblies at Zone 3 Steel Sheet Pile Bulkhead
1. Description: Includes all labor, materials, tools, equipment, supervision, and incidentals required for installation of Alternate Anchor Plate Assemblies at the Zone 3 steel sheet pile bulkhead in accordance with the Contract Documents where the rock layer prevents steel sheet piling from being driven to the specified tip elevation. The Contractor is to promptly notify the Engineer of such occurrence and submit pile driving logs containing as-built tip elevations of the driven sheet piles. The Engineer will then determine and notify the Contractor of the location and quantity of Alternate Anchor Plate Assemblies to be installed.
  2. Measurement: The quantity to be paid under this item shall be based upon the actual number of Alternate Anchor Plate Assemblies installed.
  3. Payment: Full compensation for furnishing all labor, materials, tools, and equipment necessary to install Alternate Anchor Plate Assemblies as shown on the Contract Drawings, as specified herein, and as ordered by the Engineer.

3. Section 02270 – Rip Rap Shore Protection:

REPLACE Paragraph 2.1 B with the following

2.1 MATERIALS

- B. Size of riprap stone shall meet the following gradation requirements:
- a. Riprap armor stone shall conform to the following gradation:

Nominal size: 1000 lb, 22 inch diameter

$W_{MIN} = 200$  lb (diameter = 13 inches)

$W_{50} = 1000$  lb (diameter = 22 inches)

$W_{MAX} = 2600$  lb (diameter = 30 inches)

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- b. Riprap toe stone shall conform to the following gradation:

$W_{MIN} = 1000$  lb (diameter = 22 inches)

$W_{50} = 2600$  lb (diameter = 30 inches)

$W_{MAX} = 4500$  lb (diameter = 36 inches)

4. Section 02375 – Steel Sheet Piles

REPLACE Paragraphs 2.1 A with the following:

2.1 STEEL SECTIONS

- A. Steel sheet piling shall be as manufactured by Arbed or equivalent as accepted by the Engineer. Sections shall be as indicated on the Contract Drawings. Steel grade shall be in ASTM A572 or ASTM A690, with a minimum  $F_y = 50$  ksi. Pile length to be as shown on the Drawings.

5. Section 09910 – Waterstop

REPLACE Paragraph 2.1 B with the following

2.1 MATERIALS

- B. Penetration Waterstop: Waterstop for penetrations shall be Adeka Ultra Seal P-201 sealant as manufactured by Adeka Ultra Seal / OCM, Inc. and distributed by Epic Sales, Inc., PO Box 77 Huntington, NY 11742 (631-692-6704).

**II. Changes to the Contract Plans**

1. General - Drawings W-17 through W-29:

- a. Where Arbed AZ 12 steel sheet piling is specified on the Drawings, Arbed AZ 14-770 steel sheet piling may be substituted.
- b. The Drawings specify corner pieces for the steel sheet piling. Fabricated corner pieces will be acceptable in lieu of the specified corner pieces provided they meet the requirements of the specified products; however, the Contractor shall submit shop drawings of such fabricated items for Engineers review.

2. Drawing No. W-25, Section Notes

- a. In SECTION N-N, ADD the following Note:

RETURN WALL STEEL SHEET PILES SHALL BE EPOXY COATED BOTH SIDES  
TOP HALF OF WALL.

- b. In SECTION P-P, ADD the following Notes:

BULKHEAD WALL STEEL SHEET PILES SHALL BE EPOXY COATED BOTH  
SIDES FULL HEIGHT.

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- c. In SECTION Q-Q, ADD the following Notes:
- ANCHOR WALL STEEL SHEET PILES ARE UNCOATED.
- BULKHEAD WALL STEEL SHEET PILES SHALL BE EPOXY COATED BOTH SIDES FULL HEIGHT.
- d. In SECTION R-R, ADD the following Notes:
- BULKHEAD WALL AND RETURN STEEL SHEET PILES SHALL BE EPOXY COATED BOTH SIDES FROM TOP OF WALL TO EL. -12.0.
3. Drawing No. W-26, Typical Concrete Cap Shear Key Detail:
- a. ADD the following Note:
- MINIMUM SPACING OF SHEAR KEYS IS 8'-0" CENTER TO CENTER, MAXIMUM SPACING IS 25'-0" CENTER TO CENTER. CONTRACTOR TO DETAIL SPACING ON SHOP DRAWINGS.
- b. In the TYPICAL CAP SECTION, the steel angle is welded to the top of the steel sheet pile with a ¼" minimum fillet weld.
- c. The ALTERNATE ANCHOR DESIGN detail is to be used in Zone 3 where the rock layer prevents steel sheet piling from reaching design tip elevation. The Contractor is to promptly notify the Engineer of such occurrence and submit pile driving logs containing as-built tip elevations of the driven sheet piles. The Engineer will then determine and notify the Contractor of the location and quantity of ALTERNATE ANCHOR DESIGN plate assemblies to be installed.
4. Drawing No. W-26, Pin Detail:
- a. In the PIN DETAIL, ADD the following Note:
- TOE PINS SHALL BE INSTALLED TIGHT AGAINST WATERWARD FACE OF STEEL SHEET PILES, ONE PIN PER BELLY IN.
5. Drawing No. W-28, Section A-A:
- a. In SECTION A-A, ADD the following Note:
- CUT-OFF WALL STEEL SHEET PILES SHALL BE EPOXY COATED BOTH SIDES FROM TOP OF CUT-OFF WALL TO 10 FEET BELOW TOP OF CUT-OFF WALL.

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**III. Clarifications to the Contract Specifications & Drawings:**

1. Agreement, Article 1 & Section 1100, Summary:

CLARIFICATION: The Developer will be permitted a period of ninety (90) days to enter the project site to complete various activities, as described in the Contract Documents. While the Contractor's activities shall not interfere with the Developer's activities during this period, the Contractor will be permitted to complete certain tasks during this period, such as the shoreline work north of the DeLaval parcel. The Engineer will work with the Contractor, the Developer, and the Owner to determine other permissible activities that can be completed by the remedial Contractor during this time period.

The Contractor will be required to clean the decontamination pad and empty the holding tank prior to the mobilization of the Developer. The Developer will be responsible for removal of any sediment or water that accumulates on the pad or in the holding tank as a result of his/her work.

2. Section 01270 – Unit Prices:

CLARIFICATION: Item Nos. 12 & 13 indicate that salvaged items from the project site shall be delivered to the City of Poughkeepsie Department of Public Works (DPW) complex located at 26 Howard Street in the City of Poughkeepsie, New York. The Contractor will also be responsible for unloading all items at the DPW facility. The costs associated with mobilizing equipment to the DPW facility to unload the salvaged items should be included in the bid price for each respective item.

3. Section 02052 – Tank Closure System:

CLARIFICATION: Paragraph 3.1.A indicates that the Contractor shall obtain applicable permits related to the tank removal. There are no special permits required from the City of Poughkeepsie or the New York State Department of Environmental Conservation (NYSDEC) to complete this work. The Contractor will be responsible for utilizing a properly permitted/licensed hauler for the disposal of the tank and any product inside (including wash water) and obtaining any necessary approvals from the waste disposal facility required prior to their acceptance of the waste. As indicated in the specification, the Contractor will also be responsible for notifications of the tank removal to the NYSDEC and the City, as well as providing copies of applicable permits and waste manifests to the Engineer for record keeping purposes.

4. Section 05110 – Waterfront Structural Steel:

CLARIFICATION: Welding of interlocks on the sheeting will not be permitted. Burning holes through the sheets to facilitate the installation of the bolts connecting the wales to the sheets will not be permitted.

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**CERTIFICATION:** Please complete and sign below and fax this sheet to Scott M. Smith, P.E. at (315) 471-3569 to certify that you have received this addendum. Include a copy of this addendum with your sealed bid. Failure to include this addendum (with all attachments) with your bid may disqualify your bid from being considered.

**Name (Print):** \_\_\_\_\_

**Firm:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

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**Attachment A**

**Revised Bid Form Pages BF-13 & BF-16**

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE BID		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
41	403	Anchored Steel Sheet Pile Bulkhead (SSP) For: _____ _____ Per Linear Feet				
42	744	Cantilever Steel Sheet Pile Bulkhead (SSP) For: _____ _____ Per Lineal Feet				
43	1,147	SSP Interlock Waterstop For: _____ _____ Per Linear Feet				
44	50	SSP Toe Pins For: _____ _____ Per Each				



ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE BID		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
53	500	Off-Site Disposal of Solid Waste Materials For: _____ _____ Per Tons				
54	10	Alternate Anchor Plate Assemblies at Zone 3 Steel Sheet Pile Bulkhead _____ _____ Per Each				
SUBTOTAL			\$ _____			
PLEASE MAKE SURE A BID IS ENTERED FOR EACH ITEM.  TOTAL OR GROSS SUM WRITTEN IN WORDS: _____ _____			\$ _____			

NOTE: In the event that there are discrepancies within the Bid Schedule, the values written in words will be the accepted quantity.