



**ADDENDUM NO. 1
Issued May 22, 2007**

TO

**“REQUEST FOR BIDS
FOR
HARTFORD LANDFILL PHASE 1 ASH AREA
PARTIAL CLOSURE”
(RFB Issued May 1, 2007)**

Note: Bidder is required to acknowledge this and all Addenda in Section 5(a) of the Bid Form.

The following is the first addendum being issued as part of the bid solicitation by the Connecticut Resources Recovery Authority (“CRRA”) for the subject project. All bidders must acknowledge receipt of this addendum in the appropriate space on the Bid Form in order for the bid to be deemed responsive. This addendum is divided into several parts and reference is made to additional and revised documents being issued as part of this addendum. The bidders are responsible for completely reviewing the addendum and shall adjust their bid based upon the original Bid Documents and the changes incorporated by this addendum.

**1. QUESTIONS RECEIVED DURING PRE-BID CONFERENCE AT THE SITE ON
MAY 10, 2007**

- (a) What is the date of the last site survey?

Reply - An aerial survey was performed on December 11, 2006.

- (b) Where are the electrical conduits and force main located in relation to the Limit of Work and Membrane Anchor Trench located at the toe of slope?

Reply – Additional information on the horizontal and vertical location of the electrical conduits and force main are being furnished with the revised drawings that are part of this addendum. The locations shown on the drawings are approximate and the contractor will be required to locate the conduits and force main in the field prior to commencing with the work.

- (c) What is the contractor required to do with temporary liner that it removes and how is it seamed?

Reply – The contractor shall reuse a portion of the temporary liner as set forth in the contract documents to protect the cap edge. The remainder of the temporary liner shall be folded or rolled neatly and stored on site as directed by CRRA. The concrete blocks on top of the liner shall be removed and reused where directed on the Contract Documents. Unused concrete blocks shall remain the property of CRRA and shall be stored on site as directed by CRRA. The temporary liner has seams that are machine sewn. The contractor is permitted to cut the liner in strips not less than 20 feet wide.

- (d) How will the bid be awarded? Will the contract award be based on the “base bid” or a combination of the “base bid” along with the alternatives?

Reply - The bid award will be based on the Base Bid plus one of the soil cover alternatives. It will be the discretion of CRRA to select which one of the three soil cover alternatives will be combined with the Base Bid to determine the winning bid. The combined total may not be the lowest possible combination.

- (e) Can the Contractors obtain the .dwg CAD files for estimating purposes before the bid?

Reply – The .dwg CAD files will not be made available.

- (f) Will interface friction angle testing be conducted on all three cover soil alternatives, should contractors carry these costs when pricing the alternatives?

Reply - Shortly after the bid opening, CRRA will choose one cover soil alternative. Qualification testing will only need to be done for the one selected alternative.

- (g) How will the base liner pump access pipes be handled in relationship to the landfill cap?

Reply – Refer to the details on the drawings provided with this addendum. Where the pipes penetrate the cap geomembrane the contractor shall be required to construct a membrane boot, weld it to the geomembrane cap and fasten it with clamps around the pipes. The contractor shall reuse the concrete blocks holding down the temporary membrane to construct an access enclosure as detailed on the drawings provided with this addendum.

- (h) How will the measurement payment for ash regarding be handled?

Reply - The contractors were directed to the bid specifications to address this question.

2. QUESTIONS RECEIVED BY CRRA PRIOR TO THE MAY 17, 2007 DEADLINE

No questions were received by CRRA from the potential bidders.

3. LIST OF CONTRACT DRAWINGS WITH REVISIONS PROVIDED AS PART OF ADDENDUM #1

All drawings listed below have revisions designated with the number “1” within a triangle. The reasons for the revisions are listed for each drawing.

- (a) Drawing P-1 – Proposed Ash Surface Grading (Subgrade) Plan with Slope Diversion Drainage Swales

Added the location of electrical conduits and force main located within the exterior berm at the toe of the landfill. Shifted the location of the Grouted Riprap Downchute to avoid conflict with the access pipes for the base liner pump system. The downchute length is reduced from 280 feet to 245 feet. Added existing piezometer location in the toe berm to be extended to accommodate cap system.

- (b) Drawing P-3 – Section C-C’

The Grouted Riprap Downchute was moved to the east to avoid interference with the access pipes for the base liner pump system. The plan view and Section C-C’ have been revised to reflect the shifted location of the Downchute.

- (c) Drawing P-4 – Downchute Sections (Removed)

This drawing should be removed from the Contract Documents available online. It was erroneously included in the pdf version of the Contract Drawings.

- (d) Drawing D-2 – Typical Cap Details

The detail entitled “Typical North and West Exterior Berm Section” has been revised to show the location of the electrical conduits and force main pipe located within the exterior berm. The contractor shall be required to verify the location of the conduits and force main prior to commencing with work in this area.

- (e) Drawing D-4 – Typical Cap Details (Added)

This drawing is a new drawing added to the Contract Documents. The details contained on this drawing pertain to the area surrounding the access pipes for the base liner pump system, which are located in two separate areas as shown on Drawing P-

1. The details direct the contractor on the installation of geomembrane boots to be installed on each of the four pipes that are used for access to the base liner pump system. The details also show how existing concrete blocks from the temporary liner shall be placed to provide unobstructed access to the four access pipes.

- (f) Drawing EC-1 – Erosion and Sediment Control Plan

The drawing has been revised to show the shifted location of the Grouted Riprap Downchute.

4. LIST OF TECHNICAL SPECIFICATION REVISIONS PROVIDED AS PART OF ADDENDUM #1

The following changes in the referenced specifications are incorporated into the Contract Documents:

- (a) Section 02112 (Page 2); Section 1.3 including Paragraphs A. and B.

Remove the following text: “No later than fifteen (15) days...approval certificate to the CONTRACTOR.”

Replace with: “The CONTRACTOR will be furnished with copies of and must comply with the following documents:

- A. Stormwater Pollution Control Plan for the Hartford Landfill Closure – Lined Ash Area, prepared by TRC and Dated May 2007
- B. Quality Assurance Plan for the Hartford Landfill Closure – Lined Ash Area, prepared by TRC and dated May 2007”

- (b) Section 02112 (Pages 3 and 4); Sections 2.5 and 2.6

Remove Section 2.6 Paragraph B.

Add the following text to Section 2.5:

- “B. Product and Manufacturer
 - 1. Terra-Tubes by Profile Products, LLC
 - 2. or Equal”

- (c) Section 02220 (Page 3); Section 1.2 Paragraph B.3.

Remove the following text: “...obtain...”

- (d) Section 02220 (Page 4); Section 1.3 Paragraph A.2.

Remove the following text: “Testing shall conform...interface characteristics.”

Replace with: “Testing shall conform to the requirements as indicated in the specific material specification sections.”

- (e) Section 02225 (Page 2); Section 1.3 Paragraph A.2.a.1)

Remove the following text: “Environmental tests and particle size tests...”

Replace with: “Environmental, particle size, modified proctor, and interface and internal friction angle tests...”

- (f) Section 02225 (Page 3); Section 1.3 Paragraph A.2.d.

Remove Section 1.3 Paragraph A.2.d.

- (g) Section 02225 (Pages 6 and 7); Section 3.2 Paragraph B.

Remove Section 3.2 Paragraph B. including table

- (h) Section 02227 (Page 3); Section 1.3 Paragraph A.2.a.1)

Remove the following text: “Environmental tests and particle size tests...”

Replace with: “Environmental, hydraulic conductivity, particle size, modified proctor, and interface and internal friction angle tests...”

- (i) Section 02227 (Page 3); Section 1.3 Paragraph A.2.d.

Remove Section 1.3 Paragraph A.2.d.

- (j) Section 02227 (Page 7); Section 3.2 Paragraph B.

Remove Section 3.2 Paragraph B. including table

- (k) Section 02228 (Page 1); Section 1.3 Paragraph A.1.a.

Remove the following text: “All test for Topsoil as specified above.”

Replace with: “Environmental, particle size, pH, and internal friction angle tests for Topsoil material from off-site shall be performed at a frequency of 1 per 3,000 cubic yards if from a natural borrow source or 1 per source, whichever is more stringent. Material that is not from a natural borrow source shall be tested at a frequency of 1 per 1,000 cubic yards.”

- (l) Section 02228 (Page 2); Section 3.1

Add the following text to Section 3.1:

“B. The thickness of the in-place Topsoil material will be checked after the completion of the work on a grid pattern not to exceed 50-foot by 50-

foot by digging, by hand, with a plastic shovel in the presence of and as directed by the ENGINEER. The size of the test hole shall not be less than one-foot in diameter. Measurements shall be made perpendicular to the slope. The CONTRACTOR shall be responsible for digging holes in the Topsoil to allow for measurements to be taken by the ENGINEER. After measurements have been made, the CONTRACTOR shall backfill the holes with cover material, and hand tamp. During digging and backfill of test holes, the CONTRACTOR shall use plastic shovels and exercise care not to damage any materials. Any such damage shall be repaired at the expense of the CONTRACTOR.”

(m) Section 02900 (Page 2); Section 1.3 Paragraph B.

Remove Paragraphs 1, 2, and 3.

Replace with: “1. Topsoil test reports as required in Section 02228”

5. LIST OF ADDITIONAL DOCUMENTS PROVIDED AS PART OF ADDENDUM #1

The following documents are being provided and are incorporated into the Contract Documents:

- (a) Stormwater Pollution Control Plan for the Hartford Landfill Closure – Lined Ash Area, prepared by TRC and Dated May 2007;
- (b) Quality Assurance Plan for the Hartford Landfill Closure – Lined Ash Area, prepared by TRC and dated May 2007.

END OF ADDENDUM NO. 1