



ADDENDUM NO. 2

Issue Date: December 23, 2020

Project Name: Landfill Segment 3 Cell 1

Bid Number: 2021006

Bid Opening Date: **January 6, 2021**

This addendum is being released to answer questions received to date and to modify the bid documents. The information and documents contained in this addendum are hereby incorporated in the invitation to bid. **This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.**

Attachments:

Revised Section 012200 – Unit Prices (Measurement and Payment) – Addendum 2

Questions and Answers

1. Can we please get the Builders' Risk insurance requirement waived on this project due to the type of scope?
Yes, the requirement for Builder's Risk insurance is removed.
2. Will we likely hit trash when digging the 2' deep anchor trenches for the 40-mil horizontal collector liner cover? Can we put the trash back in the trench if we do hit trash?
Yes, waste may be encountered while excavating for the side slope collector geomembrane anchor trenches. Some of the waste may be placed back in the excavation; however, the cover material shall be restored and any individual piece of waste over 0.5 cubic foot, or weighing over 50 lbs., shall be removed. The Contractor shall dispose of any remaining excavated waste in the active area of the landfill as directed by the Owner.
3. The measurement and payment description for bid item 1.A.g. seems to be missing from the specs. Please provide.
Refer to revised Section 012200 provided as Attachment 1.
4. Can a bid item be added for revegetation?
No, costs associated with turf/grasses should be included at the bidder's discretion into the currently listed Bid Items.

SECTION 012200 - UNIT PRICES (MEASUREMENT AND PAYMENT)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Section 012100 "Allowances" for procedures for using unit prices to adjust quantity allowances.
 - 2. Section 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 3. Section 014000 "Quality Requirements" for field testing by an independent testing agency.

1.3 DEFINITIONS

- A. Unit price is a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

- E. No payment shall be made to items not shown on the Drawings or described in the Specifications unless specifically approved by the Owner.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. Unit Price No. 1 A.a - Site Preparation.

1. Description: Site preparation, preparation of staging areas, and installation of erosion and sedimentation control devices.
2. Unit of Measurement: Lump sum
Payment: Full compensation for all labor, material, and incidentals required to perform site preparation as shown on the Drawings and described in the Specifications.

B. Unit Price No. 1 A.b. - SDR 17 HDPE Solid Pipe and Fittings:

1. Description: 24-inch (b.1), 18-inch (b.2), 12-inch (b.3), 8-inch (b.4), 6-inch (b.5), and 4-inch (b.6) SDR 17 HDPE Pipe and Fittings in accordance with Section 310529 "High Density Polyethylene Pipe for Landfill Gas Collection Systems" and the Drawings.
2. Unit of Measurement: Linear feet furnished and installed as shown on Drawings and measured in place by as-built survey.
3. Payment: Full compensation for furnishing and installing the pipe and all necessary fittings including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.

C. Unit Price No. 1 A.c. – Vertical Extraction Well:

1. Description: Vertical landfill gas extraction well in accordance with Section 335133 "Landfill Gas Extraction Wells" and the Drawings.
2. Unit of Measurement: Vertical feet furnished and installed as shown on Drawings and measured in place based on well drilling logs that are reviewed and approved by Engineer.
3. Payment: Full compensation for furnishing and installing the vertical landfill gas extraction wells including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.

D. Unit Price No. 1 A.d.1. – Sideslope Collector 40 mil textured HDPE Geomembrane:

1. Description: Sideslope Collector 40 mil textured HDPE Geomembrane in accordance with Section 330511 "Sideslope Collector" and the Drawings.
2. Unit of Measurement: Square feet furnished and installed as shown on Drawings and measured in place.

3. Payment: Full compensation for furnishing and installing the sideslope collector 40 mil textured HDPE geomembrane including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- E. Unit Price No. 1A.d.2. – Sideslope collector 6-inch SDR 11 HDPE solid pipe and fittings in rock:
1. Description: Sideslope collector 6-inch SDR 11 HDPE solid pipe and fittings in rock in accordance with Section 330511 "Sideslope Collector" and the Drawings.
 2. Unit of Measurement: Linear feet furnished and installed as shown on Drawings and measured in place based on as-built surveys.
 3. Payment: Full compensation for furnishing and installing the sideslope collector 6-inch SDR 11 HDPE pipe and fittings in rock including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- F. Unit Price No. 1A.d.3. – Sideslope collector 6-inch SDR 11 HDPE solid pipe and fittings in common fill:
1. Description: Sideslope collector 6-inch SDR 11 HDPE solid pipe and fittings in common fill in accordance with Section 330511 "Sideslope Collector" and the Drawings.
 2. Unit of Measurement: Linear feet furnished and installed as shown on Drawings and measured in place based on as-built surveys.
 3. Payment: Full compensation for furnishing and installing sideslope collector 6-inch SDR 11 HDPE solid pipe and fittings in common fill including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- G. Unit Price No. 1A.d.4. – Sideslope collector 6-inch SDR 11 HDPE perforated pipe and fittings in rock:
1. Description: Sideslope collector 6-inch SDR 11 HDPE perforated pipe and fittings in rock in accordance with Section 330511 "Sideslope Collector" and the Drawings.
 2. Unit of Measurement: Linear feet furnished and installed as shown on Drawings and measured in place based on as-built surveys.
 3. Payment: Full compensation for furnishing and installing sideslope collector 6-inch SDR 11 HDPE perforated pipe and fittings in rock including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- H. Unit Price No. 1A.e.1. – Well Head:
1. Description: Well Head in accordance with Section 400564 "Landfill Gas Wellheads, Valves, and Appurtenances" and the Drawings.
 2. Unit of Measurement: Each well head furnished and installed as shown on Drawings and measured in place.
 3. Payment: Full compensation for furnishing and installing including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.

- I. Unit Price No. 1A.e.2. – Miscellaneous Valves and Fittings:
1. Description: Miscellaneous Valves and Fittings in accordance with Section 400564 "Landfill Gas Wellheads, Valves, and Appurtenances" and the Drawings.
 2. Unit of Measurement: Lump sum for any valves and fittings not included in the listed items.
 3. Payment: Full compensation for furnishing and installing miscellaneous valves and fittings including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- J. Unit Price No. 1A.e.3. – Access Riser with Fernco Cap:
1. Description: Access Riser with Fernco Cap in accordance with the Drawings.
 2. Unit of Measurement: Each access riser with Fernco cap furnished and installed as shown on Drawings and measured in place.
 3. Payment: Full compensation for furnishing and installing each access riser with Fernco cap including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- K. Unit Price No. 1A.e.4. – Zone Valve:
1. Description: Zone Valve in accordance with Section 400564 "Landfill Gas Wellheads, Valves, and Appurtenances" and the Drawings.
 2. Unit of Measurement: Each zone valve furnished and installed as shown on Drawings and measured in place.
 3. Payment: Full compensation for furnishing and installing each zone valve including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- L. Unit Price No. 1A.f.1. – 2-inch SDR 11 HDPE Compressed Air and Condensate Force Main Pipe (same trench as landfill gas pipe):
1. Description: 2-inch SDR 11 HDPE Pipe and Fittings in accordance with Section 310529 "High Density Polyethylene Pipe for Landfill Gas Collection Systems" and the Drawings.
 2. Unit of Measurement: Linear feet furnished and installed as shown on Drawings and measured in place based on as-built surveys.
 3. Payment: Full compensation for furnishing and installing 2-inch SDR 11 HDPE Compressed Air and Condensate Force Main Pipe including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.
- M. Unit Price No. 1A.f.2. – 2-inch Compressed Air and Force Main Valve Assembly:
1. Description: 2-inch Compressed Air and Force Main Valve Assembly in accordance with Section 400564 "Landfill Gas Wellheads, Valves, and Appurtenances" and the Drawings.
 2. Unit of Measurement: Each valve assembly furnished and installed as shown on Drawings and measured in place.

3. Payment: Full compensation for furnishing and installing including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.

N. Unit Price No. 1A.f.3. – Well Dewatering Pump Assembly:

1. Description: Well Dewatering Pump Assembly in accordance with Section 432515 “Pneumatic Pump System” and the Drawings.
2. Unit of Measurement: Each well dewatering pump assembly furnished as shown on Drawings.
3. Payment: Full compensation for furnishing and installing including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.

O. Unit Price No. 1A.f.4. – Well Dewatering Pump Installation:

1. Description: Well Dewatering Pump Installation in accordance with Section 432515 “Pneumatic Pump System” and the Drawings.
2. Unit of Measurement: Each well dewatering pump assembly installed as shown on Drawings and measured in place.
3. Payment: Full compensation for furnishing and installing including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.

P. Unit Price No. 1A.g. – Miscellaneous:

1. Description: Miscellaneous Items
2. Unit of Measurement: Lump sum for all other project items that are not included under any other listed Bid Items.
3. Payment: Full compensation for furnishing and installing including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully complete the project as shown on the Drawings and described in the Specifications.

Q. Unit Price No. 1B. – Survey:

1. Description: Survey
2. Unit of Measurement: Lump sum for all of the project survey required for the project. The survey activities (All Bid Items) shall include surveying of existing conditions prior to construction; surveying for all pipe alignment; as-built surveys of all piping, horizontal and vertical wells, gas header pipes, condensate and compressed air lines and all items identified in Section 017300; a final survey and any surveying needed throughout the duration of the project.
3. Payment: Full compensation for all labor, materials, tools, equipment, and incidentals required to perform all of the project survey as described in the Specifications.

R. Alternate Bid Item 1 – Access Risers with Blind Flange Cap:

1. Description: Access Risers with Blind Flange Cap
2. Unit of Measurement: Each – If selected by Owner, additional cost per access riser to install a welded blind flange with bolt on cap instead of a Fernco cap.
3. Payment: Full compensation for furnishing and installing including labor, material, equipment, supervision, and incidentals necessary to perform the work required to successfully install the product as shown on the Drawings and described in the Specifications.

END OF SECTION 012200

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