



INVITATION FOR BID (IFB) IFB NO. GSWA 003-18

LAYON LANDFILL CONSTRUCTION OF CELL 3

ADDENDUM NO. 2

NOVEMBER 1, 2018

ALL BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE SPACE PROVIDED BELOW, AND RETURN TO GSWA BY EITHER E-MAIL, alicia.gswa@gmail.com, OR BY FAX, 671-649-3777.

NAME OF PROPOSER: _____

AUTHORIZED SIGNATURE: _____

PRINT NAME: _____

DATE: _____

LAYON LANDFILL CONSTRUCTION OF CELL 3

Project No. GSWA-003-18

November 1, 2018

ADDENDUM NO. 2

This addendum shall form part of the Contract Documents. Failure by any proposer to acknowledge receipt of this addendum in its proposal shall be grounds for disqualification of its proposal.

NOTICE TO BIDDERS: The Bid Documents of the above project are hereby amended as follows:

Modified	Add or Replaced With	Description
I. BID DOCUMENTS		
None		
II. DRAWINGS		
G-001	G-001 R2	Updated sheet index
C-116	C-116 R2	Revised elec/comm handhole location
C-117	C-117 R2	Revised elec/comm handhole location
C-118	C-118 R2	Revised elec/comm handhole location
C-119	C-119 R2	Revised elec/comm handhole location
C-120	C-120 R2	Revised elec/comm handhole location
C-121	C-121 R2	Showed (N) area lighting
C-123	C-123 R2	Showed (N) area lighting
E-001	E-001 R2	Updated drawing list
E-101	E-101 R2	Updated sheet
E-102	E-102 R2	Removed Cell 4 future components. Revised note.
E-301	Deleted sheet	Moved single line diagram to E-601
E-401	E-602 R2	Updated sheet
E-501	E-501 R2	Updated details
E-601	E-601 R2	Updated single line diagram
Added sheet	E-602 R2	Added sheet to show Electrical Schedules

**Layon Landfill Construction of Cell 3
Addendum No. 2, November 1, 2018**

J-001	J-001 R2	Revised sheet to show Instrumentation symbols, legends and abbreviations.
Added sheet	J-601 R2	Added sheet to show revised instrumentation diagram and list
III. SPECIFICATIONS		
Technical Specification TOC (AD-01)	Technical Specification TOC (AD-02)	Updated Table of Contents
Section 01010 Summary of Work	Section 01010 Summary of Work (AD-02)	Revised the following sections: Para. 1.4 A #9, 10, 11, 15 and 16. Deleted Para. 1.4 A #13 and 14
Section 13211 Ground Level Steel Leachate Storage Tank	Section 13211 Ground Level Steel Leachate Storage Tank (AD-02)	Revised Section
Added section	Section 13400 Electrical Controls & Instrumentation (AD-02)	Added section
Added section	Section 16010 General Electrical Provisions (AD-02)	Added section
Section 16060 Basic Electrical Material & Methods	Section 16060 Basic Electrical Material & Methods (AD-02)	Revised section
Added section	Section 16123 600 Volt Wire and Cable (AD-02)	Added section
Added section	Section 16130 Raceways and Boxes (AD-02)	Added section
Added section	Section 16195 Electrical Equipment Identification (AD-02)	Added section
Added section	Section 16470 600 Volt Rated Panelboard & Circuit Breakers (AD-02)	Added section
Added section	Section 16500 Lighting (AD-02)	Added section

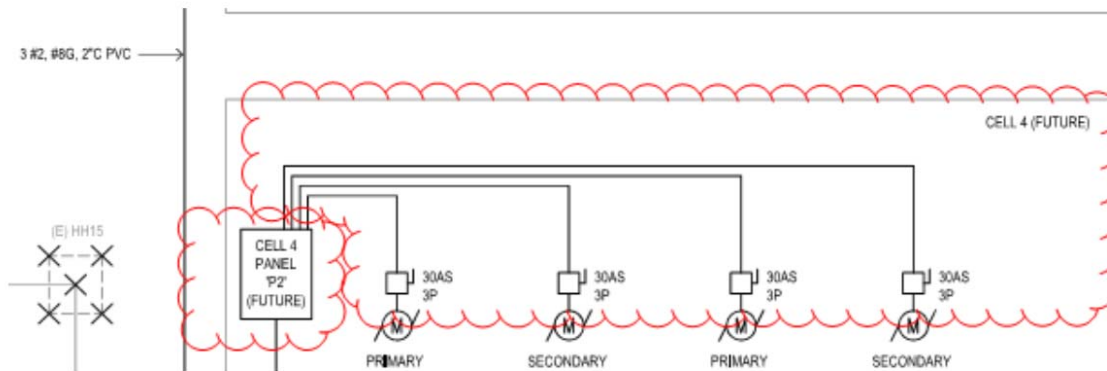
Note, the descriptions in the table above give a general understanding and location of the change, it is the Contractor's responsibility to review the changes in this addendum and incorporate as needed in their bid package.

IV. RESPONSES TO BIDDER'S QUESTIONS

Question #1: Please Confirm "Cell 4 panel P2 (Future) is to be included with the bid?"

Response: Cell 4 Panel P2 is NOT included in this project. See attached Revision 2 Electrical Sheets

Question #2: Please Confirm if conduits, wires & disconnects are to be provided out to Primary and Secondary Leachate pumps #1 & 2, as referenced in Figure below.



Response: The conduits, wires and disconnects bubbled in figure above for Future Cell 4 are not included in this project. See attached Revision 2 Electrical sheets.

Question #3: Sheet E-102 shows 16 new handholes between existing (E) HH 2 & (E) HH16, please confirm if the typical handhole detail shown on sheet E-501 is the detail for the 16 each new (N) HH shown on E-102, if so it shows a 12" inside opening, what is the required length to accommodate the 4" conduits and 350MCM wire ?.

Response: See attached revised sheet E-102-R2 and E-501-R2 for revised handhold locations and detail. Also, see added Specification Sections 16010 (AD-02), 16060 (AD-02), 16123 (AD-02), 16130 (AD-02), and 16195 (AD-02).

Question #4: Sheet E-501 includes a detail for typical conduit stub up utilizing ridged conduit, coupling etc. Is it the intent for this to be done at each of the Handholes show on the typical handhole detail ?

Response: No, the conduits should enter the handholes as shown on the revised detail on sheet E-501 R2. See attached revised sheet E-501-R2 for the revised handhold detail applicable to all handholds on the project..

Question #5: Sheet E-501 also includes a pull box "A" detail, where are these to be installed?

Response: The pull box detail is not part of the project. See attached revised sheet E-501-R2.

Question #6: Sheet E-501 also includes a Typical Ground Rod detail, are these also to be installed in the manhole or pullboxes?

Response: No, the ground rods should be installed at each panel as specified in Section 13400 (AD-02) and 16470 (AD-02) and required by Section 16060 (AD-02).

Question #7: Sheet E-102 shows locations of the disconnects for the pumps, please provide detail on how to mount the disconnects for the pumps shown.

Response: See detail 6 on Sheet E-501-R2.

Question #8: Sheet E-501 shows a light pole with a cobra head fixture, please provide specifications for light pole and size & length of Stainless anchor bolts.

Response: See Specification Section 16500 Lighting (AD-02) and revised sheet E-501 R2 for 30 foot pole. Provide anchor bolts to meet manufacturer's installation requirements to meet 170 MPH wind speed for Guam.

Question #9: Sheet E-601 has been included, please confirm the intent of this sheet.

Response: See revised Sheet E-601-R2 for the Single line diagram. Note Sheet E-301 had been deleted.

Question #10: Sheet J-001 appears to show the components going to a CPU, please confirm if this is an existing CPU and where it is located.

Response: See revised Sheet J-001 R2 and new sheet J-601 R2. Components will report to a New SCADA Controller to be located at the Office building.

Question #11: Sheet J-001 also includes an instrumentation list, but it does not appear to have all the components shown in the listings on the sheet. Please provide conduit sizes with wire requirement's.

Response: See revised Sheet J-001 R2 and new sheet J-002 R2.

Question #12: Please confirm if the CPU is existing that our scope will be to provide conduits and wiring back to the CPU and others will terminate and program the new compounds into the existing system.

Response: See revised Sheet J-001 R2 and new sheet J-002 R2. The SCADA Controller is New and is to be located in the Office Building. All components including, but not limited to, new conduits and wiring shall be provided to complete a functioning system.

**Layon Landfill Construction of Cell 3
Addendum No. 2, November 1, 2018**

Question #13: In the bid document Summary of work section 01010 para 1.4 Contractors scope of work item 17 mentions about “installation of any specified groundwater monitoring wells and” and specs section 13920 Groundwater Monitoring Well Installation was also provided. Please confirm if new monitoring wells are required in this IFB and identify in the drawings where and how many monitoring wells are required if any.

Response: No new monitoring well installations will be part of this project’s contract. See revised specification Section 01010.

Question #14: In the bid document Summary of work section 01010 para 1.4 Contractors scope of work item 17 mentions about “installation of any specified and landfill gas monitoring wells” and specs section 13921 Landfill Gas Monitoring Well Installation was also provided.

Please confirm if new Gas Monitoring wells are required in this IFB and identify in the drawings where and how many gas monitoring wells are required if any.

Response: No gas monitoring well installations will be part of this project’s contract. See revised specification Section 01010.

Question #15: On sheet C-107 demolition note 4, identifies 10 location of monitoring well to be abandoned. However, on sheet G-003 only 8-each monitoring wells are identifiable. Please confirm the number of monitoring well to be abandoned are total of 10-each and the two unidentified monitoring well is to be located by contractor.

Response: Please refer to Sheet C-107 R1 which was issued with Addendum 1. There are a total of 4 wells to be abandon.

Question #16: In specs section 13211 Ground Level Steel Leachate Storage Tank, it requires an operational capacity of not less than 16,000 gallons and a nominal reservoir diameter of 22 feet while the drawing C-520 detail 8 shows the sectional dimension of tank to be 14-feet in diameter and 12-feet (±) in height at eave of roof. Please clarify the specs requirement versus the sectional drawings.

Response: The correct volume and dimension is nominal 12,000 gallons and nominal diameter of 14 feet. See revised specification Section 13211 Ground Level Steel Leachate Storage Tank (AD-02)

Question 17: In Addendum No.1, Bid Schedule of Values, Item 90, “SCADA and System Improvement Upgrades”. Please provide design drawings and specifications for the SCADA System.

Response: See attached Sheets J-001 R2 and J-002 R2.

Question 18: On drawing plans, sheet no. E-601, page 61 of 62, (see attached file). Please clarify if the said sheet is part of new (N) construction or part of existing (E).

Response: See revised Sheet E-601 R2 for single line diagram.

Question 19: In connection with item no. 2. If sheet no. E-601 is of new (N) construction, please provide site plan drawings.

Response: See revised Sheet E-601 R2 for the Single Line Diagram and revised Sheet E-102 R2 for Electrical Site Plan.

Question 20: In backfilling drainage pipes, it is required per drawing Section AE sheet no C-516 to provide Pipe Zone backfill around pipe. It is also required to have a minimum of 2 ft above pipe. Note that the pipe zone backfill is crushed rock (1 1/2" minus).

Question A: Above this pipe zone backfill, is it required to provide geotextile to separate crushed rock from engineered fill?

Question B: Is this also to be provided by receiver/GSWA? Please clarify.

Response:

A: No geotextile is required to separate pipe zone backfill from engineered fill.

B: Pipe zone backfill material and Pipe Bedding Material is to be provided by the contractor. Material shall meet the following requirements:

PIPE BEDDING

- A. Pipe bedding shall be sand, free of clay or other organic or other deleterious material.
- B. Sand shall meet following gradation:

	PERCENT PASSING
#4	90-100
#200	0 – 5

PIPE ZONE BACKFILL

- A. Pipe zone backfill to 12 inches above the top of the pipe or as shown on the drawings shall consist of crushed rock conforming to the gradation range specified in the following table.

U.S. SIEVE SIZE	PERCENT PASSING
1-1/2"	100
No. 4	25-70
No. 50	5-20
No. 200	0-5

Layon Landfill Construction of Cell 3
Addendum No. 2, November 1, 2018

Question 21: In case, gravel at site is not sufficient, will the receiver/GSWA provide the balance or will it be subject for C.O. since the on-site quantity is still to be known later?

Response: Note, only the basalt gravel is the owner furnished gravel material. The quantity on-site was calculated to be sufficient for this project. If additional quantity will be needed to be imported, this will be done through a Change Order process.

Question 22: May we request for a electrical site plan for the above attached single line diagram? We understood that a electrical site plan is provided on the bid set but we feel this is not complete, we cannot find the location of the item called out on the attached single line diagram on the current electrical layout plan of the bid set to.

Response: See revised Sheet E-601 R2 for the Single Line Diagram and revised Sheet E-102 R2 for Electrical Site Plan.

Question 23: In Addendum No.1, TOC Divisions-10-8-18 (AD-01), page 3, Please provide Section 253100 Integrated Automation Instrumentation and Terminal Devices for Facility Equipment and Section 255000 Integrated Automation Facility Control.

Response: Specification sections 253100 and 255000 have been replaced with a new Section 13400 (AD-02).

Question 24: In Section 16060, 1.3 System Description, page 1 of 15, Please provide drawings that would reflect how many grounding electrode systems is needed and its locations.

Response: No grounding electrodes are required for this project. If the leachate storage tank requires it, then it should be as per the tank manufacturer's recommendations.

Question 25: In Section 16060, 2.12 Grounding Well Components, page 7 of 15, Please provide drawings that would reflect how many grounding well components is needed, where it is located and detail drawings.

Response: Grounding wells are required at each panel and controller as specified in Section 13400 (AD-02) and 16470 (AD-02). Grounding may also be required at additional locations specified in Section 16060 (AD-02).

Question 26: Reference to AD-1 spec section 13191 Landfill Gas Collection System. Please provide below information:

Quantity to be installed?

Depths?

Locations?

Response: The Landfill Gas Collection System is limited to the piping to be installed underneath the new roadway and extending from cell 2 to near pump station 2 by the

entrance area and is to be stubbed up and capped for future use. Refer to the latest revision of the plan Sheets C-115 through C-123 and associated details or section views.

Question 27: During this bid time, we are waiting for the release of amendment no.2 that would answer some of our previous RFI's that involves questions from our vendors/subcontractors. Some of these vendors/ subcontractors would need at least two (2) week time to respond. In this connection, we would like to request a two (2) week time extension from the latest bid due date.

Response: No significant changes are presented in this Addendum; and additional specification sections and drawing revisions are not extraordinary in their content. At this time, the Bid Due date remains on November 09, 2018.

ATTACHMENTS:

1. Technical Specifications TOC (AD-02)
2. Section 01010 Summary of Work (AD-02)
3. Section 13211 Ground Level Steel Storage Tanks (AD-02)
4. Section 13400 Electrical Controls & Instrumentation (AD-02)
5. Section 16010 General Electrical Provisions (AD-02)
6. Section 16060 Basic Electrical Material & Methods (AD-02)
7. Section 16123 600 Volt Wire and Cable (AD-02)
8. Section 16130 Raceways and Boxes (AD-02)
9. Section 16195 Electrical Equipment Identification (AD-02)
10. Section 16470 600 Volt Rated Panelboard & Circuit Breakers (AD-02)
11. Section 16500 Lighting (AD-02)
12. G-001 R2
13. C-116 R2
14. C-117 R2
15. C-118 R2
16. C-119 R2
17. C-120 R2
18. C-121 R2
19. C-123 R2
20. E-001 R2
21. E-101 R2
22. E-102 R2
23. E-501 R2
24. E-601 R2
25. E-602 R2
26. J-001 R2
27. J-601 R2

-END OF ADDENDUM No. 2-