



ADDENDUM NO. 4

Issue Date: December 28, 2023

Project Name: Phase II Cell 3 Landfill Segment 3 Expansion

ITB Number: 2024027

ITB Opening Date: January 10, 2024

This addendum is being released to provide answers to questions received to date. 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 may be declared non-responsive.**

Questions and Answers

1.	<p>Site light pole and fixture shown on Geosyntec Consultants sheet 19 of 24.</p> <p>a. Where is this light fixture to receive its source power, power distribution origin, circuit size, and parameters?</p>
	<p>Utilize spare 20A breaker in panel IP-IDS. Use 2 #12, #12 G, 3/4”C. Route to leachate detection system through 2” spare underground power conduit shown in Detail A/18.</p>
2.	<p>A turbine meter is indicated on Geosyntec Consultants sheet 14 of 24. A detail of a turbine flowmeter is given on Geosyntec Consultants sheet 15 of 24. The flow, FIT 1005, and FE 1005, are shown on Geosyntec Consultants sheet 19 of 24. A typical element and transmitter detail is shown on Geosyntec Consultants sheet 20 of 24.</p> <p>a. Where does this flowmeter receive its power from, distribution power source, circuit size, and parameters?</p> <p>b. Where, and how, does this flowmeter connect, equipment, for instrumentation: signaling type, discrete, analog?</p>
	<p>Utilize spare 20A breaker in panel IP-IDS. Use 2 #12, #12 G, 3/4”C. Route to leachate detection system through 2” spare underground power conduit shown in Detail A/18. The flow meter is a stand alone unit. It will not connect back to any control system.</p>
3.	<p>It appears to be unclear why in spec 16150 motors paragraph 2.01 230/460 volt three phase power is specified for ½ hp motors, this appears to be more than necessary and the existing conduit in the area of the LDS pump is 120 volt, where is the contractor expected to run additional conduit and power to support 460 volts?</p>

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	That was a general statement on motors for the project. It says in the same section that motors below 1/2 horsepower (hp) shall be 115/230V. The only motor on this project is on the leachate detection pump, which is 1/4 hp.
4.	For the Primary and Secondary Geocomposite – our manufacturers cannot meet the spec provided. What product did the engineer pre-qualify for the spec written?
	Geosyntec does not pre-qualify materials; however, Section 02274 – Geocomposite specifications has been revised with the appropriate transmissivity at specified compressive stress.
5.	Clarification on the frequency of the 100-hour transmissivity testing. 1/100,00 SF seems excessive for the potential fast-tracked project schedule. Can manufacturers test at a reduced frequency?
	The specification has been revised to comply with GRI-GN4 testing frequency requirements (see Section 02274, Rev. 1 attached).
6.	Item 11 (Liner System Tie In) clarification on the location and quantity. a. Is this in Anchor Trench New Material to New Material or Tie-In to Cell 2?
	This is a Tie-In to the existing Cell 2 liner system. See Addendum 2, Attachment C – Revised Bid Form.
7.	Item 12B (Geomembrane Rainflap Extrusion Weld) clarification on quantity. a. 800 LF in bid form – Does rainflap extend entire length of East Berm?
	Please refer to Addendum 2, Attachment C – Revised Bid Form.
8.	Item 45 (Sandbags) clarification on quantity. a. 200 EA in bid form – detail states every 10’ OC. Will be significantly more than 200 bags.
	Account for 1,000 sandbags at 10 ft spacing. If additional sandbags are needed the Owner will entertain a change order using the unit price in your bid.
9.	Clarification on liner system termination at East location of Cell.
	Please refer to Detail 3 of the Construction Drawings.
10.	In the specifications CQA plan table 5-1 minimum conformance testing frequencies for soil components there is a requirement to test for carbonate per 5000 cy but no range of allowable content per 5000 cy is outlined in the documents? Can this be provided so that the contractor can understand which borrow sources meet the project specification?
	Material specifications including carbonate content for the liner protective layer soils and granular drainage material are included in Section 02240 and Section 02235, respectively. Conformance testing described in the CQA Plan will be the responsibility of the CQA Consultant.

Attachments

Specifications - Addendum 4

Bid Form - Addendum 4