ADDENDUM 4

SOLID WASTE DISPOSAL DISTRICT
INDIAN RIVER COUNTY LANDFILL
PHASE 2 - CELL 3 - SEGMENT 3 EXPANSION (11.5 AC.)
BID FORM, REV. 2

Item No.		Work Description/Item	Units	Estimated Quantity (Note VI)	Unit Cost ($)		Total Cost ($)
					Material	Labor	
General Site Preparation							
1		Mobilization and Demobilization (not-to-exceed 5% of total bid) (Note I)	LS	1			
2		Surveying & As-Built Drawings (Note II)	LS	1			
						Subtotal Site Preparation =	
Earthwork (Includes Grading and In-place Compaction Note III)							
3		General and Structural Fill					
	A.	Site Grading and Leveling of Top of Liner Subbase Prior to Geosynthetics Installation (Primarily Cut)	cyd	1,400			
						Subtotal Earthwork =	
Cell 3 Liner System (Note IV)							
4		Liner Protective Layer					
	A.	24-in. Liner Protective Layer with Grading and Compaction	cyd	36,000			
	B.	Intercell Separation Berm	cyd	1,200			
	C.	Temporary Intercell Berm with Rain Flap	cyd	1,700			
5		Primary Geocomposite Drainage Layer	sq ft	499,500			
6		Primary 60 mil Textured HDPE Geomembrane	sq ft	499,500			
7		Secondary Geocomposite Drainage Layer	sq ft	499,500			
8		Secondary 60 mil Textured HDPE Geomembrane	sq ft	499,500			
9		Geosynthetic Clay Liner	sq ft	499,500			
10		Electrical Leak Location Survey	LS	1			
11		Liner System Tie-in (Extrusion Weld/Double-track Fusion Weld)	LF	1,300			
12		Geomembrane Rainflap					
	A.	Geomembrane Rainflap	sq ft	37,100			
	B.	Extrusion Weld - Geomembrane Sacrificial Rainflap to Primary HDPE Geomembrane	LF	1,300			
13		Anchor Trench	LF	2,900			
						Subtotal Cell 3 Liner System =	
Leachate Collection & Detection System							
14		LCS Corridor					
	A.	Granular Drainage Material (AASHTO No. 57)	cyd	1,000			
	B.	Geotextile Filter/Cushion with 2-in. overlap and sewn at seam	sq yd	900			
15		LDS Additional Geonet Drainage Layer in Corridor	sq yd	1,920			
16		LDS Granular Drainage Material (AASHTO No. 4)	cyd	80			
17		10-in. Dia. SDR 17 Solid HDPE Carrier Pipe (Leachate Collection + Leachate Detection + Leachate Gravity Line + Horizontal Direction Drill)	LF	510			
18		12-in. Dia. SDR 21 Solid HDPE Containment Pipe (Leachate Collection + Leachate Detection + Leachate Gravity Line + Horizontal Direction Drill)	LF	510			
19		10-in. Dia. SDR 17 LDS Perforated Pipe & Fittings	LF	350			
20		10-in. Dia. SDR 17 LCS Perforated Pipe & Fittings	LF	1,300			
21		Toe Drain (Note VII.)					
	A.	6-in Dia. SDR 17 Perforated HDPE Pipe	LF	1,250			
	B.	Toe Drain Connector and Reducer	each	2			
	C.	Granular Drainage Material (AASHTO No. 57)	cyd	200			
	D.	Geotextile Filter/Cushion with 2-in. overlap and sewn at seam	sq yd	1,560			
22		Jet Cleaning and Video Inspection of LCS and LDS	LS	1			
23		Trenches with Unpaved Easements	LF	300			
24		Excavation, Grading, and Compaction for Sump	LS	1			
25		10-in. Dia. Perforated Leachate Detection Manifold	each	1			
26		LCS & LDS Cleanout					
	A.	10-in. Dia. Solid SDR-17 LCS Cleanout Pipe with Gasket, Secure Boot and all other Fittings	LF	20			
	B.	4'X5'X5" Fiber Reinforced Concrete Collar	each	3			
	C.	10-in. Dia. Solid SDR-17 LDS Cleanout Pipe with Gasket, Secure Boot and all other Fittings	LF	130			
	D.	LCS & LDS Cleanout Cap and fittings	each	3			
	E.	WYE Fittings for LCS Cleanout	each	1			
27		Wall Sleeve with Mechanical Seal	each	12			
28		Liner Penetration Box	each	3			

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BID FORM, REV. 2

Item No.	Work Description/Item	Units	Estimated Quantity (Note VI)	Unit Cost ($)		Total Cost ($)
				Material	Labor	
29	Valve and Box with Box Pad	each	1			
30	Concrete Slab for Control Panel	each	1			
31	Electrical, Control Panel, Grounding & Lightning Protection (Note V)	LS	1			
32	LDS Pump Station Sump Pump	each	1			
33	LCS Manhole	each	1			
34	Reinforcements around openings	LS	1			
35	Liner Markers (Post- 4"x4"x8')	each	2			
36	Bollard Post with Encasement	each	5			
37	Limit of Waste Markers	each	6			
38	Marker Tape	LF	800			
39	Post Mounted Pipe Support	each	2			
40	8-Ft. Aluminium Sign Post with 2-Ft. Dia. Concrete Footing	each	1			
41	24-in. x 20-in. Warning Sign	each	1			
**42	Sandbags	each	1,000			
43	Rain Tarp (Dura Skirm 12 BV or approved equivalent) with Ropes & Ties	sq ft	334,000			
					Subtotal Leachate Collection Sump =	
Drainage Ditch, Access Road and Entrance Road						
44	Regrading	LF	100			
45	Access Roads and Ramps					
	A. RCA - Provided by the Client (Labor Only)	cyd	150			
	B. Stabilizer Material	cyd	100			
46	24-in. by 36-in. RCP Elliptical Culvert	LF	130			
					Subtotal Drainage Ditch & Access Road =	
Miscellaneous						
47	Erosion and Sediment Controls	LS	1			
48	Site Restoration including Vegetation	acres	1.35			
					Total Miscellaneous =	**$0.00**
					SUBTOTAL =	**$0.00**
					15% CONTINGENCY =	**$0.00**
					TOTAL =	**$0.00**

I. Mobilization/Demobilization (Item 1) shall include any partial demobilization required for all components of construction specified herein and in the Construction Drawings and Technical Specifications.

II. The survey activities (Item 2) shall include surveying of existing conditions prior to construction, as-built surveys, liner protective, leachate collection system, a final survey and any surveying needed throughout the duration of the project.

III. Earthwork quantities are in-place compacted quantities. Earthwork pay items include all cost to haul, place, compact, and grade general/structural fill. Existing conditions represent top of liner subbase resulting from Phase I Site Preparation construction project. For bidding purposes assume 2 inches of fill material will be placed. Payment will be based on actual quantity placed based on initial and final as-built survey of top of liner subbase.

IV. All geosynthetic quantities provided are installation quantities for bid estimate purposes. Material supply quantities shall be based on installed panels and layout, surveyed by the Owner's surveyor and approved by the Engineer. Supply quantities shall include waste, slope, anchor trench, overlap, and any other adjustment factors necessary to supply all material to complete the work. Install pay quantities will be based on actual square footage verified by 3rd party survey.

V. Includes all material, equipment and labor required to install pumps, piping, meters, valves, and other components/instrumentation at the leachate collection and detection systems and sumps.

VI. Quantities presented herein are estimated quantities and should be verified by Contractor. If quantities are found to be significantly different, Contractor shall notify Construction Manager. Quantities not provided shall be estimated and verified by Contractor. Payment shall be made on surveyed and calculated quantities in accordance with the Technical Specifications.

VII. Toe drain is currently pending permit modification approval by FDEP.