

## SBD - CM Review Form

<b>To:</b>	Project Review & Analysis - Construction	<b>Contact:</b>	Olga Espinosa-Anderson
<b>From:</b>	SBD CM - Eddy V. Etienne Jr.	<b>Resubmittal:</b>	No
<b>Department:</b>	Public Works & Waste Management Department		
<b>Date:</b>	1/21/2016		

<b>PROJECT NUMBER:</b>	15R014
<b>PROJECT TITLE:</b>	Resources Recovery Cell 19 Closure
<b>PROJECT LOCATION:</b>	N.W. 69th Street and N.W. 97th Avenue

**SCOPE OF WORK/DESCRIPTION:** The work consists of obtaining all permits and furnishing materials, labor, services, supervision, tools and all other items necessary for closure of Cell 19 at Resources Recovery Facility (RRF) located at NW 69th Street and 97th Avenue in Miami-Dade County, Florida. Closure of the cell consists, but is not limited to procuring, installing and testing all layers of the cover system. The closure also includes installation of the storm-water drainage system. Cell 19 is a ten (10) acre ash monofill cell, of which approximately 7.2 acres will be closed under this project. It is located to the north of Cell 18 and to the south of Cell 20. The majority of Cell 19 is no longer being actively utilized; however, ash is still being placed on the north face of Cell 19. The Contractor should be aware that this is an active landfill facility and that the Work shall be scheduled so as to continuously maintain landfill operations, and shall not unduly restrict landfill access or circulation. The final cover will consist of the following layers from bottom to top as depicted in the Construction Drawings prepared by Kimley-Horn and Associates:

- 6-inch Foundation Soil Layer
- Textured LLDPE Geomembrane
- Geocomposite Drainage Layer
- 18-inch Protective Soil Layer
- 6-inch Topsoil and Vegetative Layer (Topsoil and Sod)

The Contractor shall be responsible for the successful and complete construction of the landfill cover system in accordance with the Construction Drawings and Technical Specifications. The Contractor shall be responsible for obtaining the services of an independent qualified testing firm. The Contractor shall be responsible for the work of his Subcontractors and for coordination of all project activities.

The work of this Contract requires highly specialized skills in both the manufacture and installation of the landfill cover components. Consequently, there is a need to establish continuity of responsibility and quality control of both manufacturing and installation. Therefore, the following is required under this contract and any deviation from these requirements must have prior written approval from the Owner.

The Geomembrane Manufacturer/Installer shall also install all other geosynthetic materials specified and shall have responsibility for assuring quality workmanship for all geosynthetic materials installed as components of the landfill cover system. The Geomembrane Manufacturer shall install the LLDPE geomembrane as a direct subcontractor to the Contractor, using his own crews or crews certified by the Geomembrane Manufacturer to install the LLDPE geomembrane provided.

**SPECIAL REQUIREMENTS:** 1. The Contractor shall have a minimum of five (5) years of experience in landfill projects involving construction of stormwater drainage improvements, installation of geosynthetic liner or cover systems.  
 2. The Contractor must have experience on at least two (2) previous landfill projects in Florida of a type and magnitude similar to closure of Cell 19 at the RRF.

TRADES/SUBTRADES	AMOUNT	PERCENTAGE	COMMENTS
			<b>Prime Contractor</b>
6-inch Limerock Foundation Soil Layer	\$160,991.00	7.32%	*Must meet special requirements
			<b>Prime Contractor</b>

Initial:   E.E.  

Date:   1-21-16

TRADES/SUBTRADES	AMOUNT	PERCENTAGE	COMMENTS
40-mil Textured LLDPE	\$187,950.00	8.54%	*Must meet special requirements Prime Contractor
300-mil Geocomposite Drainage Material	\$325,500.00	14.80%	*Must meet special requirements Prime Contractor
18-inch Protective Cover Soil Layer	\$483,000.00	21.95%	*Must meet special requirements Prime Contractor
4-inch Topsoil Layer	\$239,736.00	10.90%	*Must meet special requirements Landscape Contractor
Sod	\$141,750.00	6.44%	*Possible Small Business Participation Prime Contractor
Rip Rap	\$60,600.00	2.75%	*Must meet special requirements Prime Contractor
Bench Terrace Drainage Inlet Structures	\$16,081.00	0.73%	*Must meet special requirements Prime Contractor
Energy Dissipators	\$22,786.00	1.04%	*Must meet special requirements Prime Contractor
HDPE Toe Drains	\$157,488.00	7.16%	*Must meet special requirements Prime Contractor
18-inch Corrugated HDPE Drain Pipe	\$121,260.00	5.51%	*Must meet special requirements Prime Contractor
Miscellaneous Limerock Work (Access Roads, etc.)	\$29,760.00	1.35%	*Must meet special requirements
<b>BASE TOTAL</b>	<b>\$1,946,902.00</b>	<b>88.50%</b>	
Mobilization & General Conditions (8%)	\$155,752.16	7.08%	
Bond (3%)	\$58,407.06	2.65%	
Insurance (2%)	\$38,938.04	1.77%	
<b>TOTAL AMOUNT</b>	<b>\$2,199,999.26</b>	<b>100.00%</b>	

Small Business Development Signature: 

Date: 1-21-16

\*Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM

PWWM is recommending 6.44%

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