

**Indian River County, Florida
Solid Waste Disposal District
Board Memorandum**

Date: March 29, 2023

To: Michael C. Zito, Interim County Administrator

From: Sean C. Lieske, Director of Utility Services

Prepared By: Himanshu H. Mehta, PE, Managing Director, Solid Waste Disposal District

Subject: Approval of Engineering Consulting Services Agreement for IRC Landfill and Work Order No. 1 to Geosyntec for Segment 3, Cell 3 Engineering Services

Descriptions and Conditions:

The Indian River County (IRC) Solid Waste Disposal District (SWDD) Class 1 landfill includes the closed Segment 1 Infill, Segment 2 vertical expansion, and Segment 3 lateral expansion (Segment 3). The total footprint area of Segment 3 is 76 acres and consists of eight cells that are being constructed in phases, as needed. Segment 3 Cell 1, directly east of and on top of the east slope of Segment 2, was constructed in 2013. Segment 3 Cell 2 was constructed in 2020.

Over the past two years, we have seen an average 21% increase in construction and demolition (C&D) debris going into the landfill compared to an average 1% increase in municipal solid waste (MSW). Based on the University of Florida Bureau of Economic and Business Research (BEBR) reports, our average population growth for the past two years has only been 2%. The significant increase in overall tonnages into the landfill has resulted in our operator, Republic Services of Florida, LP (Republic), to estimate that the filling of Cell 2 will be nearly completed by the end of Calendar Year (CY) 2023 and has therefore recommended that SWDD consider construction of Cell 3 during CY 2023.

On November 22, 2022, the SWDD Board approved Work Order No. 18 (WO18) for \$171,304.71 to Geosyntec to provide Segment 3 Cell 3 site preparations. The tasks within WO18 include the earthwork for the subgrade of Cell 3, appropriate routing of the perimeter stormwater ditch, and any impacts to groundwater monitoring wells and landfill gas probes, as necessary. The bid for the site preparation project is scheduled to be advertised on March 31, 2023.

On behalf of SWDD and in accordance with Florida Statute (FS) 287.055, Requests for Qualifications (RFQs) were requested from qualified engineering firms for design and permitting services for landfill cell construction and closure projects anticipated over the next 10 years, as well as landfill gas system expansion design. On March 28, 2023, the SWDD Board approved the committee's final ranking and authorized negotiations with the top ranked firm, Geosyntec, (and the subsequently ranked firms, should negotiations with any higher ranked firms fail) in accordance with FS 287.055, Consultant's Competitive Negotiation Act.

Analysis:

Staff has successfully negotiated with Geosyntec on the attached agreement for engineering consulting services. The highlights of the agreement are as follows:

1. This agreement shall be referred to as the “MASTER AGREEMENT” under which future Work Orders will apply. All work performed under this agreement shall be approved by the SWDD Board per a duly authorized work order or an amendment to a previously approved work order.
2. A schedule of current hourly billing rates is provided as an exhibit to the agreement and shall be adjusted annually (effective January 1, 2024 and each year thereafter) based on a minimum of the Producer Price Index for Engineering Services.
3. The term of the agreement is for a period of ten (10) years beginning on the effective date of the agreement or until completion of all projects whichever occurs later unless otherwise terminated by mutual consent of the parties or terminated pursuant to the termination provision in the Agreement.
4. The primary scope of work involves landfill cell construction and closure projects including associated improvements to the landfill gas system and leachate system, as well as their ancillary services.

Geosyntec has prepared Landfill Work Order No. 1, provided in Attachment 1, for engineering services detailing the scope of work, budget, and schedule for each of the phases to complete the design, permitting and construction management of Cell 3 within Segment 3. The fees to be paid by SWDD for the execution of this work authorization are in accordance with the attached master agreement. The phases are listed below along with their estimated fees.

Phase Description	Budget
Phase 1: General Consulting/Meeting Support/Project Management	\$ 31,027.98
Phase 2: Review of Background Documents	\$ 22,898.44
Phase 3: Preparation of Construction Documents	\$ 56,928.16
Phase 4: Contractor Procurement Support Services	\$ 28,275.12
Total	\$139,129.70

Funding:

Funding of \$139,129.70 for this project is budgeted and available in the SWDD/WIP/Cell 3 Landfill Expansion account, number 411-169000-22034. This is funded from SWDD assessments and user fees.

Description	Account Number	Amount
SWDD/WIP/Cell 3 Landfill Expansion	411-169000-22034	\$139,129.70

Recommendation:

Staff recommends that its Board:

- a. Approve the Agreement for Engineering Consulting Services with Geosyntec Consultants, Inc. to provide professional engineering services to include permitting and detailed construction design and bid documents for landfill closure, landfill gas system expansion and cell construction projects at the Indian River County Landfill facility over the next 10 years.
- b. Authorize the Chairman to execute the attached agreement after review and approval by the County Attorney as to form and legal sufficiency, and receipt and approval of the required insurance.
- c. Approve and authorize the Chairman to sign Landfill Work Order No. 1 authorizing Geosyntec to provide engineering services for a not to exceed fee of \$139,129.70.

Attachment:

1. Agreement for Engineering Consulting Services
2. Geosyntec Landfill Work Order No. 1