

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

Date: August 2, 2024

To: The Solid Waste Disposal District Board of County Commissioners

Through: John A. Titkanich, Jr., County Administrator
Sean C. Lieske, Director of Utility Services

Prepared By: Himanshu H. Mehta, PE, Managing Director, SWDD

Subject: Approval of Amendment No. 2 to Work Order No. 1 to Geosyntec for Phase 2, 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.

On April 4, 2023, the SWDD Board approved Work Order No. 1 to Geosyntec Consultants, Inc. in the amount of \$139,129.70 for the Phase 2 Segment 3, Cell 3 Project. The scope of work was to provide professional and support services for the procurement of a construction contract for the approximately 10.5-acre Cell 3, which consists of the construction of Cell 3 liner and leachate control systems, and appurtenant structures, including an access ramp into the cell, and development of Engineer's Cost Estimate (ECE) for the project.

On February 20, 2024, the SWDD Board awarded the Cell 3 Construction Contract to Comanco Environmental Corporation (Comanco) in the amount of \$6,897,651.70 as well as approved Amendment No. 1 to Geosyntec for the construction management of Cell 3 within Segment 3 in the amount of \$667,145.14.

Comanco was issued the notice to proceed (NTP) on April 1, 2024, and had an estimated substantial completion by July 31, 2024. As such, Geosyntec assumed up to 4 months for the liner construction activities after mobilization by the contractor; however, after approximately 3 months since the NTP, the actual liner construction started on June 26, 2024. Comanco has now estimated substantial completion by October 11, 2024. There have been several challenges contributing to the project including leachate seepage from Cell 2 to Cell 3, rain events, liner material production, and delivery and redesign/submittal for the leachate manhole.

The purpose of this agenda is to authorize additional construction services to Geosyntec.

Analysis:

Geosyntec has prepared Landfill Amendment No. 2 to Work Order No. 1, provided in Attachment 1, for engineering services detailing the scope of work, budget, and schedule for the phases requiring additional funding to complete the 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	\$3,710.07
Phase 3: QA/QC Services	\$130,214.30
Phase 4: Construction Management	\$24,950.45
Phase 8: Miscellaneous Engineering Support Service	\$11,630.38
Total	\$170,505.20

Upon approval of this amendment, the total engineering costs for this project are \$976,780.04.

Funding:

Funding of \$170,505.20 for this project is budgeted and available in the SWDD/WIP/Cell 3 Landfill Expansion account, number 411-169000-22034. Since this is an operating capital project, the funds will come from the fund balance. Operating funds are derived from SWDD assessments and user fees.

Description	Account Number	Amount
SWDD/WIP/Cell 3 Landfill Expansion	411-169000-22034	\$170,505.20

Recommendation:

Staff recommends that its Board approve and authorize the Chairman to sign Landfill Amendment No. 2 to Work Order No. 1 authorizing Geosyntec to provide engineering services for a not-to-exceed fee of \$170,505.20.

Attachment:

1. Geosyntec Landfill Amendment No. 2 to Work Order No. 1