

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

Date: February 1, 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. 1 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 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.

Analysis:

As presented in a separate agenda item for February 20, 2024, Geosyntec has provided their evaluation and recommendation to award the Cell 3 Construction Contract to Comanco Environmental Services in the amount of \$6,897,651.70.

Geosyntec has prepared Landfill Amendment No. 1 to 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 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 in the following table along with their estimated fees.

SWDD Item

Phase Description	Budget
Phase 1: General Consulting/Meeting Support/Project Management	\$ 45,079.02
Phase 2: Preparation of Issued for Construction (IFC) Documents	\$ 9,939.28
Phase 3: QA/QC Services	\$376,839.12
Phase 4: Construction Management	\$ 66,252.24
Phase 5: Resident Engineering and Certification Services	\$ 80,076.20
Phase 6: Installation of Monitoring Wells	\$ 44,043.70
Phase 7: Financial Assurance	\$ 9,103.66
Phase 8: Miscellaneous Engineering Support Service	\$ 35,811.92
Total	\$667,145.14

Geosyntec's proposed cost for construction services is approximately 9.7% of the construction cost, which is a reasonable industry standard. The addition of Amendment No. 1 will bring the total for Work Order No. 1 to \$7,564,796.84.

Funding:

Funding of \$667,145.14, 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	\$667,145.14

Recommendation:

Staff recommends that its Board approve and authorize the Chairman to sign Landfill Amendment No. 1 to Work Order No. 1 authorizing Geosyntec to provide engineering services for a not-to-exceed fee of \$667,145.14.

Attachment:

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