

**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: Award of Bid for Class 1 Landfill Segment 3 Cell 3 Phase II Project (Bid #2024027)

Descriptions and Conditions:

The Indian River County (IRC) Solid Waste Disposal District (SWDD) requested the solicitation of bids for the Phase 2 construction of Cell 3 of Segment 3 Expansion of the Class 1 Landfill (hereafter referred to as the Project) at the IRC Landfill.

SWDD utilized Geosyntec to provide the initial design, permitting, and bidding assistance for the Phase 1 project in accordance with the approved Work Order No. 18 dated November 22, 2022, in the amount of \$171,304.71, and the approved Amendment No. 1 to Work Order No. 18, in the amount of \$39,783.73, for a total engineering cost to date of \$211,088.44. Phase 1 of the project was limited to site preparations, which 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. This work was awarded to Ryan Incorporated Southern (Ryan) on June 30, 2023, for a grand total in the amount of \$5,848,249.10, which includes a 15% contingency amount of \$762,815.10. This project is near completion and ready for the Phase 2 project, which is the construction of Cell 3 liner and leachate control systems and appurtenant structures including an access ramp into the Cell 3.

SWDD authorized Geosyntec on April 4, 2023, under Work Order No. 1 in the amount of \$139,129.70, to provide professional and support services for the procurement of a construction contract for the approximately 10.5 acre Segment 3 Cell 3.

Bid Results:

Advertising Date:	November 19, 2023
Bid Opening Date:	January 10, 2024
Demandstar Broadcast to:	729 Subscribers
Specifications/Plans Downloaded by:	22 Plan Holders
Replies:	4 Vendors

Bidder	Location	Total Bid
Ryan Incorporated Southern	Deerfield Beach, Florida	\$6,961,007.50 <i>(Corrected to \$6,971,211.45)</i>
Southeast Environmental Contracting, Inc.	Orlando, Florida	\$8,611,200.00
Comanco Environmental Corporation	Plant City, Florida	\$6,897,651.70
Thalle Construction Company, Inc.	Hillsborough, North Carolina	\$8,799,046.75

Analysis:

This Phase 2 Project provides for the installation of an engineered liner and leachate control systems for Segment 3 Cell 3.

ENGINEER’S ESTIMATES:

On December 28, 2023, Geosyntec provided a 100 Percent Opinion of Probable Construction Cost for the project in the amount of \$6,058,814.15 for Phase 2 Cell 3 Project, as included in Attachment 1. Geosyntec provided this estimate based on the material prices obtained from recognized suppliers as well as a review of recent bids and included a 15% contingency.

ENGINEER’S BID EVALUATION:

On January 12, 2024, the IRC Purchasing Division provided a summary of the bid tabulation confirming that each of the bidders was responsive in submitting all the required information in the bid documents.

On January 22, 2024, Geosyntec provided the evaluation of bids for this project, as summarized below, and included in Attachment 2.

Bidder	Grand Total Base Bid	Contingency (15%)	Grand Total
<i>Engineer’s Estimate</i>	<i>\$5,268,534.04</i>	<i>\$790,280.11</i>	<i>\$6,058,814.15</i>
Comanco Environmental Corporation	\$5,997,958.00	\$899,693.70	\$6,897,651.70
Ryan Incorporated Southern*	\$6,061,923.00	\$909,288.45	\$6,971,211.45
Southeast Environmental	\$7,488,000.00	\$1,123,200.00	\$8,611,200.00
Thalle Construction Company, Inc.*	\$7,683,022.92	\$1,152,453.44	\$8,835,476.36

* Geosyntec has corrected the minor mathematical errors by Ryan and Thalle.

Geosyntec also found each of the bidders responsive and performed a positive reference check on the apparent low bidder. Geosyntec recommends that the construction contract be awarded to the “lowest, responsive, responsible bidder”, Comanco Environmental Corporation (Comanco) for the project, IRC Bid No. 2024027. Geosyntec recommends award of the contract in the amount of \$5,997,958.00 with a contingency of 15%, in the amount of \$899,693.70, for a total award of \$6,897,651.70. All contingency amounts will require approval on a case-by-case basis for inclusion in the project.

PROJECT BUDGET:

The total allocated funding for both Phase 1 and Phase 2 for Cell 3 Segment 3 is approximately \$10,625,000, which consists of \$1,050,000 for engineering and \$9,575,000 for construction.

The engineering cost for Phase 1 is \$211,088.44 and based on Geosyntec’s proposal for Phase 2 (to be approved under a separate agenda item) the engineering cost for Phase 2 will be \$806,274.84, resulting in a total engineering cost of \$1,017,363.28.

Geosyntec’s final estimate for the completion of the Phase 1 Project by Ryan, Inc. is \$5,823,625.00. However, combining this with the recommended award of Phase 2 Project to Comanco in the amount of \$6,897,651.70 results in a total construction cost of \$12,721,276.70.

This results in a total engineering and construction cost for Phase 1 and Phase 2 to be \$13,738,639.98, which is \$3,113,639.98, or 29.3%, over the original budget of \$10,625,000, and summarized in the table below:

SUMMARY OF ENGINEERING AND CONSTRUCTION COSTS	
DESCRIPTION	TOTAL
Phase 1 – Geosyntec	\$ 211,088.44
Phase 2 – Geosyntec	\$ 806,274.84
Total Engineering Costs	\$ 1,017,363.28
Phase 1 – Ryan	\$ 5,823,625.00
Phase 2 - Comanco	\$ 6,897,651.70
Total Construction Costs	\$12,721,276.70
Total Engineering and Construction Costs	\$13,738,639.98
Total Budget	\$10,625,000.00
Amount Over/(Under) Budget	\$3,113,639.98 or 29.3%

As detailed in the attached Geosyntec’s evaluation of bids, Comanco’s bid was higher than the Engineer’s estimate by 14%, with the second lowest bidder higher by 15%; however, the other two bidders were 42% to 46% higher, respectively. Geosyntec states that material and labor costs have increased significantly in recent years (especially after the COVID-19 pandemic) resulting in significantly high bids relative to engineering estimates in the environmental construction industry. Staff concurs with this trend.

Funding:

Funding, in the amount of \$6,897,651.70, for Cell 3 project will be recorded in the operating SWDD/WIP/Cell 3 Landfill Expansion capital 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	\$6,897,651.70

Recommendation:

Staff recommends that its Board approve the following:

- a) Award Bid No. 2024027 to Comanco Environmental Corporation of Plant City, Florida, as the lowest, responsive, responsible bidder for the Phase 2 construction of Cell 3 Segment 3 Expansion of the Class 1 Landfill project for a grand total in the amount of \$6,897,651.70.
- b) Approve and authorize the Chairman to execute the sample agreement, as presented, pending receipt of the required bonds and insurance, and final approval by the County Attorney's Office as to form and legal sufficiency. So long as there are no changes in the dollar amount under this award, upon adequate completion of the work set forth in the Agreement, staff is directed to make final payment and release any retainage to Comanco Environmental Corporation after review and approval by the Purchasing Manager and the County Attorney's Office.

Attachments:

1. Geosyntec Opinion of Probable Costs
2. Geosyntec Evaluation of Bids
3. Sample Agreement