

Indian River County, Florida
Solid Waste Disposal District
Board Memorandum

Date: September 13, 2021

To: Jason E. Brown, County Administrator

From: Matthew Jordan, Interim Director of Utility Services

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

Subject: Change Order No. 2, Release of Retainage and Final Pay to SCS Field Services for Landfill Segment 3 Cell 1 Landfill Gas System Expansion Project (Bid #2021006)

Descriptions and Conditions:

On February 9, 2021, the Indian River County (IRC) Solid Waste Disposal District (SWDD) awarded Bid #2021006 for the construction of the Landfill Segment 3 Cell 1 Landfill Gas System Expansion to Sterns, Conrad, and Schmidt Consulting Engineers, Inc. dba SCS Field Services. The grand total bid award for the project was for \$1,068,510.00, which included \$96,810.00 in bid contingency and bid alternative.

SWDD utilized CDM Smith to provide the initial Phase 1 design, permitting, and bidding assistance for this project in accordance with the approved Work Order No. 2 dated May 19, 2020, in the amount of \$199,810. The Phase 2 construction services was also authorized by the SWDD Board on February 9, 2021, to CDM Smith as Amendment No. 1 to Work Order No. 2 in the amount of \$139,190, for total engineering costs of \$339,000. With the pending approval of Amendment No. 2 to Work Order No. 2 in the amount of \$8,500, the total engineering cost for the project will be \$347,500.

On June 15, 2021, the SWDD Board approved Change Order No. 1 to SCS Field Services in the amount of \$48,599 based on recommendation from CDM Smith. This increased the total construction project cost to \$1,117,109.00.

On August 5, 2021, SCS Field Services achieved Substantial Completion on the project and Final Completion is scheduled for September 15, 2021.

CDM Smith has reviewed and recommends for approval Change Order No. 2, release of the remaining retainage and a recommendation for final payment to SCS Field Services for completion of the project.

Analysis:

CDM Smith has reviewed and recommends approval of Change Order No. 2 for \$6,388, which is a final reconciliation change order, accounting for actual materials installed in the project.

The actual Substantial Completion Date was August 5, 2021, which was 41 days under the due date, and the Final Completion Date is set for on September 15, 2021, which is 30 days under the due date.

CDM Smith has received all of the required contractual documents and recommends to release the final retainage and issue final payment to SCS Field Services for \$63,740.00.

Overall, the expansion of the Landfill Gas system into Segment 3 Cell 1 is already starting to show an increase in the recovery of landfill gas. Prior to the construction, the system was recovering 300 to 500 standard cubic feet per minute (scfm). Now we are close to 700 scfm. With the efforts underway for the removal of the leachate off-site, staff is optimistic that these numbers will continue to increase.

Please note, besides the expansion of the wellfield, the reliability of continuous landfill gas production is also contingent on the continuous operations of the blower system, the control/instrumentation system, and the flare. Based on a recent evaluation, staff will be returning to the SWDD Board at a future meeting to seek approval to replace these items.

Funding:

The Segment 3 Cell 1 Landfill Gas Expansion project is considered a “closure activity” and, as such, is funded from an escrow account long established per Florida Department of Environmental Protection (FDEP) requirements.

Total Base Bid – SCS Field Services	\$ 968,100.00
Construction Contingency (10%)	\$ 96,810.00
Bid Alternative	\$ 3,600.00
Total Construction Costs	\$1,068,510.00
Net Change Order No. 1	\$ 48,599.00
Net Change Order No. 2	\$ 6,388.00
Total Construction Costs	\$1,123,497.00

In the current Fiscal Year (FY) 2020/21, we have budgeted \$2,500,000 for the Segment 3 Cell 1 Landfill Gas Expansion project. The work associated with Change Order No. 2, release of retainage and final payment of \$63,740.00 results in a total project cost of \$1,123,497.00, which is under budget.

DESCRIPTION	ACCOUNT	AMOUNT
Accrued Closure – I, II & Infill	411-239006 (Escrow)	\$63,740.00

Recommendation:

Staff recommends that its Board approve the following:

- a) Approve Change Order No. 2 to Bid No. 2021006 to Sterns, Conrad, and Schmidt Consulting Engineers, Inc. dba SCS Field Services, of Reston, Virginia, for the Segment 3 Cell 1 Landfill Gas System Expansion project in the amount of \$6,388.00.
- b) Authorize the Chairman to execute the same.
- c) Approve the release of retainage and final payment of \$63,740.00 to SCS Field Services.

Attachments:

- 1. CDM Smith recommendation letter for Final Pay and Change Order No. 2
- 2. Change Order No. 2 from SCS Field Services
- 3. Final Pay Application (on file in the Department of Utility Services)