

Indian River County, Florida
Solid Waste Disposal District
Board Memorandum

Date: August 9, 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

Subject: Amendment No. 1 to Work Order No. 8 to Geosyntec for Groundwater Technical Support Services

Descriptions and Conditions:

On October 13, 2020, the Solid Waste Disposal District (SWDD) Board approved CCNA-2018 Work Order No. 8 to Geosyntec Consultants (Geosyntec) for \$134,972.70, to provide Groundwater Compliance Technical Support Services for the Class 1 Landfill and Construction and Demolition (C&D) Debris Disposal Facility.

This was due to the request by the Florida Department of Environmental Protection (FDEP) to perform a supplemental groundwater assessment to evaluate the groundwater conditions between the C&D debris landfill, and the Residual Dewatering Facility (RDF) and the Lateral C Canal to the east. Specifically, groundwater with elevated conductivity and nutrients needs to be characterized in order to assess potential remedial alternatives.

A supplemental groundwater assessment was completed in this area in late 2020 to identify the lateral and vertical extent of the groundwater impacts. Results of the assessment, as indicated in the "Draft Supplemental Groundwater Assessment Report, C&D Debris Disposal Facility" dated July 2021, indicated groundwater impacts downgradient of the C&D debris disposal facility and the RDF. The Draft Supplemental Report recommended additional assessment of the RDF area, including historical compliance document review, stormwater system as-built documents review, groundwater sampling, and sediment sampling.

Per staff request, Geosyntec has provided the attached Amendment No. 1 to Work Order No. 8 for additional technical services to complete FDEP's request.

Analysis:

Geosyntec has prepared Amendment No. 1 to Work Order No. 8, provided in Attachment 1, for engineering services detailing the scope of work, budget, and schedule for each of the phases. The fees to be paid by SWDD for the execution of this work authorization are in accordance with the engineer's continuing consulting services master agreement. The phases are listed below along with their estimated fees.

<i>PHASE</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
Phase 1	Project Management/Meetings	\$ 9,547.22
Phase 2	Historical and As-Built Documents Review	\$ 12,945.10
Phase 3	RDF and C&D Debris Disposal Facility Additional Assessment	\$ 24,397.25
Phase 4	Data Evaluation and Summary Report	\$ 19,270.28
TOTAL (Lump Sum) =		\$ 66,159.85

Upon approval of this amendment, the total cost for Work Order No. 8 will be \$201,132.55.

Funding:

Funding for the compliance monitoring and reporting is budgeted and available in the Engineering Services account in the SWDD Landfill Fund, which is funded from SWDD assessments and user fees. The account has a total budget of \$415,000 for the 2020/2021 fiscal year. However, since this work is anticipated to be completed next fiscal year, the costs have been split in half.

Description	Account Number	Amount
Engineering Services (FY20/21)	41121734-033130	\$33,079.92
Engineering Services (FY21/22)	41121734-033130	\$33,079.93

Recommendation:

Solid Waste Disposal District (SWDD) staff recommends that its Board approve the following:

- a) Approve Amendment No. 1 to Work Order No. 8 with Geosyntec for \$66,159.85 to provide engineering services related to Groundwater Technical Support Services.
- b) Authorize the Chairman to execute the same, as presented.

Attachment(s):

Amendment No. 1 to Work Order No. 8 – Geosyntec