

Indian River County, Florida
Solid Waste Disposal District
Board Memorandum

Date: January 8, 2021

To: Jason E. Brown, County Administrator

From: Vincent Burke, PE, Director of Utility Services

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

Subject: Work Order No. 4 to Andersen Andre Consulting Engineers, Inc.

Descriptions and Conditions:

On April 7, 2020, the Indian River County (IRC) Solid Waste Disposal District (SWDD) Board authorized Work Order No. 32 to Kimley-Horn and Associates, Inc. (KHA) for the design of a new facility for transferring recyclables and household hazardous waste (HHW).

As part of the design process, certain geotechnical testing is required to ascertain the existing subsurface condition and the evaluation of soils to be utilized for the foundation of the new facility. Since IRC has existing geotechnical contracts, SWDD staff has obtained the attached proposal from Andersen Andre Consulting Services, Inc. (AACE) to provide these services. The contract with AACE was approved on December 4, 2018.

Analysis:

Per the attached Work Order No. 4, AACE has proposed to provide both geotechnical field services and pre-construction fill selection services. Based on the proposed design by KHA, AACE has proposed to perform eight (8) standard penetration test (SPT) borings (ASTM D1586) to depths of 30 feet below the existing ground surface. In addition, as requested, AACE has proposed to complete two (2) double ring infiltrometer tests (ASTM D3385) and two (2) 6-ft deep in-situ borehole permeability tests. AACE will also periodically visit the landfill and inspect/sample ± 160 cubic yard (CY) stockpiles on an estimated 22 occasions for the purpose of rendering an opinion relative to the suitability of each stockpile for use as either roadway construction, landscape fill material, or mass site and pad fill for the new facility.

Prior to any subsurface investigation activities, AACE will be obtaining standard underground utility locates. In addition, AACE has included in their budget for a private utility locate company (GeoTek Services, LLC) who will scan the boring locations using ground penetrating radar and electromagnetic induction.

AACE will provide appropriate laboratory testing and provide an engineering analysis report as a deliverable for the project.

AACE has proposed a not-to-exceed budget of \$23,542 and has estimated up to 18 days to complete the subsurface exploration services and submit the final report. The pre-construction fill selection services will be provided on an as-needed basis.

Funding:

Funding for the SWDD HHW and recycling facility conceptual design is budgeted and available in the capital account in the SWDD Landfill and Recycling Fund, which is funded from SWDD assessments and user fees. The account has a total proposed budget of \$3.8 million for the 2020/2021 fiscal year.

The approval of Work Order No. 4 to AACE would come from the capital account.

Description	Account Number	Amount
Engineering Services – HHW Facility	411-169000-20029	\$14,130.29
Engineering Services – Recycling Transfer Facility	411-169000-20030	\$ 9,411.71
	Total =	\$23,542.00

Recommendation:

Staff recommends that its Board approve the following:

- a) Approve Work Order No. 4 to Andersen Andre Consulting Engineers, Inc. for \$23,542, for the geotechnical services for the Solid Waste Disposal District Recycling Transfer and Household Hazardous Waste Facility.
- b) Authorize the Chairman to execute the same, as presented.

Attachments:

- 1. Work Order No. 4