

# AMENDMENT 1 TO WORK ORDER 19

## 2023 Compliance Monitoring

This Amendment 1 to Work Order Number 19 is entered into as of this \_\_\_\_ day of \_\_\_\_\_, 202\_, pursuant to that certain Continuing Contract Agreement, dated April 17, 2018, renewed and amended as of May 18, 2021 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Geosyntec Consultants, Inc. ("Consultant").

1. The COUNTY has selected the Consultant to perform the professional services set forth in existing Work Order Number 19 , Effective Date 31 January 2023.
2. The COUNTY and the Consultant desire to amend this Work Order as set forth on Exhibit A (Scope of Work) attached to this Amendment and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), and within the timeframe more particularly set forth in Exhibit C (Time Schedule), all in accordance with the terms and provisions set forth in the Agreement.
3. From and after the Effective Date of this Amendment, the above-referenced Work Order is amended as set forth in this Amendment. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment 1 to Work Order 19 as of the date first written above.

**CONSULTANT:**

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

**BOARD OF COUNTY COMMISSIONERS  
OF INDIAN RIVER COUNTY**

By: \_\_\_\_\_  
Joseph H. Earman, Chairman

BCC Approved Date: \_\_\_\_\_

Attest: Ryan L. Butler, Clerk of Court and Comptroller

By: \_\_\_\_\_  
Deputy Clerk

Approved: \_\_\_\_\_  
John A. Titkanich, Jr., County Administrator

Approved as to form and legal sufficiency: \_\_\_\_\_  
William K. DeBaal, County Attorney

**EXHIBIT A**

**PROFESSIONAL SERVICES**

16 August 2023

Mr. Himanshu H. Mehta, P.E.  
Managing Director  
Solid Waste Disposal District  
Indian River County  
1325 74<sup>th</sup> Avenue SW  
Vero Beach, Florida 32968

**Subject:       Amendment to Work Order Number 19  
Proposal to Provide 2023 Compliance Monitoring,  
Reporting and Other Technical Support Services  
Class I Landfill and C&D Debris Disposal Facility  
Indian River County Landfill Facility  
Vero Beach, Indian River County, Florida**

Dear Mr. Mehta:

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this letter proposal to the Indian River County (IRC) Solid Waste Disposal District (SWDD) to additionally provide professional services supporting the operation of the Class I landfill and Construction and Demolition (C&D) debris disposal facility at the IRC Landfill (IRCL) site located in Vero Beach, Indian River County, Florida. The proposal presents the scope of work, schedule, and budget estimate for the installation of the irrigation well at the IRCL site.

Geosyntec has prepared this amendment to the Work Order Number 19 (professional services as Exhibit A of CCNA-2018-WO No. 19, pursuant to that certain Continuing Contract Agreement for Professional Services, dated 17 April 2018, renewed and amended as of 18 May 2021 (collectively referred to as the “Agreement”), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida (“COUNTY”) and Geosyntec (“Consultant”).

The remainder of this proposal presents: (i) proposed scope of services; (ii) schedule; and (iii) budget estimate.

## **PROPOSED SCOPE OF SERVICES**

This amendment includes the installation of an irrigation well in the vicinity of the previously installed irrigation wells at the IRCL site. As you are aware, under Work Order 19, Geosyntec was authorized by SWDD to install two irrigation wells to 80 feet below land surface (ft bls). Since the two newly installed irrigation wells were not producing enough water, Geosyntec

alongside IRC SWDD, IRC Utilities Department, and the driller undertook a troubleshooting exercise at the Site in late July 2023. The results of the troubleshooting exercise indicated that the existing wells were installed to 60 feet below land surface (ft bls) instead of the permitted 80 ft bls. Since it was understood that the existing wells were 80 ft bls, that was the depth the new wells were installed too. It was discovered that the deeper interval likely has a tighter formation (silty sand to clay) to pull water from the intermediate aquifer and will not produce as much water as the higher interval (more fine grain sand) that is pulling water from the surficial aquifer. The solution discussed in the field was to install a 4-inch irrigation well to 60 ft bls with 40 feet of screen. The budget requested herein includes the installation of the 4-inch irrigation well as well as Geosyntec's oversight. As a deliverable, Geosyntec will provide SWDD with a summary email, pictures, and well installation logs.

Notably, as discussed with you, Geosyntec has also included the abandonment of the two irrigation wells (under another mobilization) as well as the subsequent Geosyntec oversight.

## **SCHEDULE**

Geosyntec will initiate work immediately upon receipt of Notice to Proceed (NTP) from SWDD. The driller can be in the field on Thursday, 17 August 2023 or not until mid-September to reinstall the irrigation.

## **BUDGET ESTIMATE**

Geosyntec proposes to perform the above-referenced work on a lump sum basis for \$15,992.83 and a detailed budget estimate is provided as Attachment 1. The budget estimate presented in this proposal is based on Geosyntec's understanding of the project requirements.

Geosyntec will invoice SWDD each month of the project on a lump sum, percent complete basis in accordance with our Agreement. Additional services or any significant change in the scope of work will be performed using the Rate Schedule included in our Agreement. Geosyntec will not exceed the budget estimate without prior approval and written authorization from SWDD.

Mr. Himanshu H. Mehta, P.E.  
16 August 2023  
Page 3

## **CLOSURE**

Geosyntec appreciates this opportunity to offer our services. If this proposal is acceptable, please indicate your agreement by signing the attached work authorization, which references this proposal. Please return one signed work authorization to Dr. Badu-Tweneboah's attention. Please call either of the undersigned with questions you may have as you review this proposal.

Sincerely,



Cristina Graver, P.E.  
Senior Engineer



Kwasi Badu-Tweneboah, Ph.D., P.E.  
Senior Principal Engineer

Copies – Ron T. Jones – SWDD

**Attachment 1– Detailed Budget Estimate**

**ATTACHMENT 1**

**BUDGET ESTIMATE**

Table 1

**BUDGET ESTIMATE  
2023 COMPLIANCE MONITORING, REPORTING AND OTHER  
TECHNICAL SUPPORT SERVICES  
CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY  
INDIAN RIVER COUNTY, FLORIDA**

**AMENDMENT 1 - IRRIGATION WELL**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$260	1	\$260.00
b. Principal	Hr	\$245	0	\$0.00
c. Senior Professional	Hr	\$225	4	\$900.00
d. Project Professional	Hr	\$203	0	\$0.00
e. Professional	Hr	\$176	10	\$1,760.00
f. Senior Staff Professional	Hr	\$154	0	\$0.00
g. Staff Professional	Hr	\$132	10	\$1,320.00
<b>Subtotal Professional Services</b>				<b>\$4,240.00</b>
<b>B. Technical/Administrative Services</b>				
a. Designer	Hr	\$143	0	\$0.00
b. Senior Drafter/Senior CADD Operator	Hr	\$126	0	\$0.00
c. Project Administrator	Hr	\$71	1	\$71.00
d. Clerical	Hr	\$55	0	\$0.00
<b>Subtotal Technical/Administrative Services</b>				<b>\$71.00</b>
<b>C. Reimbursables</b>				
a. Lodging	Day	\$100	1	\$100.00
b. Per Diem	Day	\$55	1	\$55.00
c. Communications Fee	3% Labor	\$0.03	\$4,311	\$129.33
d. CADD Computer System	Hr	\$15	0	\$0.00
e. Vehicle Rental & Fuel	Day	\$150	1	\$150.00
f. 8"x11" Photocopies	Each	\$0.12	0	\$0.00
g. CADD Drawings	Each	\$3	0	\$0.00
h. Subcontractor	LS	\$10,225	1.1	\$11,247.50
<b>Subtotal Reimbursables</b>				<b>\$11,681.83</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 06</b>				<b>\$15,992.83</b>