

**CCNA2018 AMENDMENT \_1\_ TO WORK ORDER \_10\_**

**JULY 2018 – DECEMBER 2020 TECHNICAL REPORT**

This Amendment 1 to Work Order Number 10 is entered into as of this \_\_\_ day of \_\_\_\_\_, 2021\_, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of this 17<sup>th</sup> day of April, 2018 (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 10, Effective Date: December 15, 2020.

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 Work Order as of the date first written above.

**CONSULTANT:**

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

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

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

**Joseph E. Fletcher, Chairman**

**Print Name:** Jim Langenbach, P.E.

**Title:** Vice-President

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

**Attest: Jeffrey R. Smith, Clerk of Court and Comptroller**

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

**Deputy Clerk**

**Approved:** \_\_\_\_\_

**Jason E. Brown, County Administrator**

**Approved as to form and legal sufficiency:** \_\_\_\_\_

**Dylan T. Reingold, County Attorney**

**EXHIBIT A**

**PROFESSIONAL SERVICES**

19 January 2021

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

**Subject: Proposal for Engineering Services  
Preparation of July 2018 – December 2020 Technical Report  
Class I Landfill and C&D Debris Disposal Facility  
Indian River County Class I Landfill  
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 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 preparation of the July 2018 – December 2020 Technical Report for the Class I Landfill and C&D Debris Disposal Facility to comply with the permit requirements.

Geosyntec has prepared this proposal (professional services as Exhibit A of Amendment 1 to CCNA-2018-WO No. 10, pursuant to that certain Continuing Contract Agreement for Professional Services, dated 17 April 2018 (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) project background; (ii) proposed scope of work; (iii) schedule; and (iv) budget estimate.

## **PROJECT BACKGROUND**

The IRCL site is located south of Oslo Road, west of Range Line Road (74<sup>th</sup> Avenue) and east of Interstate 95 in Section 25, Township 33 South, Range 38 East in Indian River County, Florida. The IRCL site occupies 276 acres, with approximately 141.5 acres permitted for Class I disposal, 19 acres is comprised of Cell 1 C&D debris disposal facility, and 2.5 acres consists of a C&D debris recycling facility.

The Class I landfill currently accepts both Class I waste and C&D debris for disposal under the Florida Department of Environmental Protection (FDEP) Construct and Operate Permit Modification Nos. 0128769-026-SC-IM and 0128769-027-SO-MM, dated April 2, 2018 (Class I Permit). The C&D debris disposal facility operates under FDEP Permit No. 0128769-025-SO-24, dated July 13, 2017 (C&D Permit).

The Water Quality Monitoring Plan (WQMP) for each of the IRCL facilities permits (which is listed as Appendix 3 of each permit) requires the preparation and submittal of a Technical Report to FDEP every two and one-half years during the active life of the facility, and every five years during the long-term care period. The report shall summarize the water quality monitoring results and water level measurements collected since the last Technical Report. The last Technical Report for both facilities was submitted to FDEP on 31 July 2018 for the reporting period July 2015 through January 2018. The next Technical Report for the reporting period July 2018 through December 2020 is due for submittal to FDEP by 31 January 2021 and is the focus of this proposal.

## **PROPOSED SCOPE OF WORK**

The proposed scope of services includes activities to be performed on behalf of SWDD for the preparation and submittal of the July 2018 to December 2020 Technical Report for the Class I landfill and C&D debris disposal facility. For budgeting purposes, the scope of work will be performed in two (2) phases, as follows:

Phase 1: General Consulting/Meeting Support/Project Management

Phase 2: Preparation of July 2018 - December 2020 Technical Report

Each of these phases is briefly described below.

### **Phase 1 – General Consulting/ Meeting Support/ Project Management**

Under this phase, Geosyntec will perform project planning and management responsibilities, such as correspondence with SWDD and FDEP, invoice review, project coordination, and project administration. Project management activities will include budget and schedule tracking, invoice review, and project communications, including the preparation of a monthly progress report. The project report will include a description of the activities completed during the month and planned activities for the following month. In addition, the progress report will identify any technical or administrative issues that require SWDD's attention and the current status of the budget and schedule.

## **Phase 2 – Prepare July 2018 – December 2020 Technical Report**

Geosyntec will prepare the Technical Report for the Class I landfill and C&D debris disposal facility. The report will summarize and interpret water quality data and water level measurements collected over the last two and one-half (2.5) years of operation and covering five (5) semi-annual reporting events from July 2018 through December 2020 and evaluation monitoring data collected during this period. The Technical Report will comply with the requirements of the Facilities WQMPs, and will address the following:

- tabular and graphical display of the data that show a monitoring parameter has been detected, including hydrographs for all monitoring wells;
- trend analysis for detected parameters;
- comparison among shallow, intermediate and deep zones;
- comparison between up-gradient and down gradient monitoring wells;
- correlation between related parameters;
- discussion of erratic and/or poorly correlated data;
- an interpretation of groundwater contour maps; and
- an evaluation of the adequacy of the monitoring plan.

Geosyntec will submit the report to the FDEP by 31 January 2021.

## **SCHEDULE**

Geosyntec will initiate work immediately upon receipt of Notice to Proceed (NTP) from SWDD. The Technical Report will be submitted to FDEP by 31 January 2021.

## **BUDGET ESTIMATE**

Geosyntec proposes to perform the above-referenced work on a lump sum basis for \$31,109.90. A budget estimate for the scope of work outlined in Phases 1 and 2 of this proposal is summarized in the following table, 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, our experience gained from executing similar tasks for SWDD during 2007 and 2008 as well as in 2020, and experience with compliance monitoring, and reporting at similar facilities.

Mr. Himanshu H. Mehta, P.E.  
19 January 2021  
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Phase 1 – General Consulting/Meeting Support/Project Management	\$2,947.50
Phase 5 – Preparation of Technical Report	<u>\$28,162.40</u>
<b>TOTAL</b>	<b>\$31,109.90</b>

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.

## 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 the undersigned with questions you may have as you review this proposal.

Sincerely,



Cristina Graver, P.E.  
Project Engineer



Kwasi Badu-Tweneboah, Ph.D., P.E.  
Principal Engineer/Project Manager

Copy – Ron T. Jones – SWDD  
Attachments

# **ATTACHMENT 1**

## **DETAILED BUDGET ESTIMATE**

Table 1

**BUDGET ESTIMATE  
LANDFILL PERMIT RENEWAL AND ERP MODIFICATION  
CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY  
INDIAN RIVER COUNTY, FLORIDA**

**PHASE 01: GENERAL CONTRACTING/PROJECT MANAGEMENT/MEETINGS**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$240.00	0	\$0.00
b. Principal	Hr	\$225.00	6	\$1,350.00
c. Senior Professional	Hr	\$205.00	0	\$0.00
d. Project Professional	Hr	\$185.00	6	\$1,110.00
e. Professional	Hr	\$160.00	0	\$0.00
f. Senior Staff Professional	Hr	\$140.00	0	\$0.00
g. Staff Professional	Hr	\$120.00	0	\$0.00
<b>Subtotal Professional Services</b>				<b>\$2,460.00</b>
<b>B. Technical/Administrative Services</b>				
a. CADD Designer	Hr	\$130.00	0	\$0.00
b. Senior Drafter/Senior CADD Operator	Hr	\$115.00	0	\$0.00
c. Administrative Assistant	Hr	\$65.00	6	\$390.00
d. Technical Word Processor	Hr	\$50.00	0	\$0.00
e. Clerical	Hr	\$50.00	0	\$0.00
<b>Subtotal Technical/Administrative Services</b>				<b>\$390.00</b>
<b>C. Reimbursables</b>				
a. Lodging	Day	\$100.00	0	\$0.00
b. Per Diem	Day	\$55.00	0	\$0.00
c. Communications Fee	3% Labor	\$0.03	\$2,850	\$85.50
d. CADD Computer System	Hr	\$15.00	0	\$0.00
e. Vehicle Rental & Fuel	Day	\$150.00	0	\$0.00
f. 8"x11" Photocopies	Each	\$0.12	100	\$12.00
g. CADD Drawings	Each	\$3.00	0	\$0.00
<b>Subtotal Reimbursables</b>				<b>\$97.50</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 01</b>				<b>\$2,947.50</b>

Table 2

**BUDGET ESTIMATE**  
**JULY 2018 - DECEMBER 2020 TECHNICAL REPORT**  
**CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 02: PREPARATION OF TECHNICAL REPORT**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$240.00	4	\$960.00
b. Principal	Hr	\$225.00	40	\$9,000.00
c. Senior Professional	Hr	\$205.00	0	\$0.00
d. Project Professional	Hr	\$185.00	40	\$7,400.00
e. Professional	Hr	\$160.00	0	\$0.00
f. Senior Staff Professional	Hr	\$140.00	60	\$8,400.00
g. Staff Professional	Hr	\$120.00	0	\$0.00
<b>Subtotal Professional Services</b>				<b>\$25,760.00</b>
<b>B. Technical/Administrative Services</b>				
a. CADD Designer	Hr	\$130.00	0	\$0.00
b. Senior Drafter/Senior CADD Operator	Hr	\$115.00	8	\$920.00
c. Administrative Assistant	Hr	\$65.00	0	\$0.00
d. Technical Word Processor	Hr	\$50.00	0	\$0.00
e. Clerical	Hr	\$50.00	8	\$400.00
<b>Subtotal Technical/Administrative Services</b>				<b>\$1,320.00</b>
<b>C. Reimbursables</b>				
a. Lodging	Day	\$100.00	0	\$0.00
b. Per Diem	Day	\$55.00	0	\$0.00
c. Communications Fee	3% Labor	\$0.03	\$27,080	\$812.40
d. CADD Computer System	Hr	\$15.00	8	\$120.00
e. Vehicle Rental & Fuel	Day	\$150.00	0	\$0.00
f. 8"x11" Photocopies	Each	\$0.12	1000	\$120.00
g. CADD Drawings	Each	\$3.00	10	\$30.00
<b>Subtotal Reimbursables</b>				<b>\$1,082.40</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 02</b>				<b>\$28,162.40</b>