

**WORK ORDER 15**

**C&D Landfill Permit Renewal**

This Work Order Number 15 is entered into as of this \_\_\_\_ day of February, 2022, pursuant to that certain Continuing Consulting Engineering Services 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").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order 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), attached to this Work Order and made a part hereof by this reference. The Consultant will perform the professional services 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. 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: \_\_\_\_\_

**Peter D. O'Bryan, Chairman**

Print Name: Jim Langenbach, PE

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**

2 February 2022

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  
Solid Waste Operation Permit Renewal Application  
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 proposal to Indian River County (IRC), Solid Waste Disposal District (SWDD) to provide engineering services related to the renewal of the five-year Solid Waste Operation Permit for the Construction and Demolition (C&D) Debris Disposal Facility at the IRC Landfill (IRCL) site located in Vero Beach, Indian River County, Florida (Site). The current 5-year permit (Permit No. 0128769-025-SO-24) will expire on July 13, 2022 with the renewal application due by May 13, 2022. This proposal presents the scope of work, schedule, and budget estimate for the preparation and submittal to the Florida Department of Environmental Protection (FDEP), the application for the renewal permit, and responding to requests for additional information (RAIs) by the FDEP. The proposal was prepared in response to a verbal request from Mr. Himanshu Mehta, P.E., Managing Director, of SWDD, during telephone conversations with Dr. Kwasi Badu-Tweneboah, P.E. of Geosyntec.

Geosyntec has prepared this proposal as Exhibit A of Work Order (WO) No. 15, 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 (“Consultant”).

The remainder of this proposal presents: (i) project background; (ii) proposed scope of work; (iii) schedule; and (iv) budget estimate and assumptions.

## PROJECT BACKGROUND

The IRCL Site is located in southern Indian River County, east of Interstate 95, south of Oslo Road, and west of Rangeline Road in Vero Beach, Florida. The IRCL Site serves the unincorporated Indian River County and municipalities of Vero Beach, Orchid, Fellsmere, Sebastian, and Indian River Shores. The SWDD administers the management and operation of the Class I Landfill at the IRCL Site and is the permittee.

The IRCL Site occupies 276 acres, with approximately 141.5 acres permitted for Class I disposal, 19 acres permitted for C&D Debris disposal in Cell 1 of the C&D Debris Disposal Facility, and 2.5 acres permitted for a C&D Debris Recycling Facility. Cell 1 of the C&D Debris Disposal Facility went into operation in 1994. Since the C&D Debris Disposal Facility began operation prior to July 1, 2010, it is authorized to continue operation without a liner and leachate collection system, in accordance with paragraph 62-701.730(6)(a), Florida Administrative Code (F.A.C.). The C&D Debris Disposal Facility is currently operating under Permit No. 0128769-025-SO-24 (C&D Permit) which was issued on July 13, 2017 and expires on July 13, 2022. The permit renewal application is due by May 13, 2022.

## PROPOSED SCOPE OF WORK

This project includes professional engineering services required to renew the Solid Waste Operation Permit for the C&D Debris Disposal Facility. The scope of work is based on the applicable requirements of Chapter 403, Florida Statue, Chapters 62-4 and 62-701, F.A.C., and Geosyntec's understanding of the project based on information provided by SWDD. Geosyntec will provide all engineering services necessary to prepare the 5-year permit renewal application and address any RAI from the FDEP.

Paragraph 9 of the Water Quality Monitoring Plan (WQMP) for the C&D Debris Disposal Facility (which is listed as Appendix 3 of the C&D Permit), states that “...**sampling of all ten (10) C&D background and compliance wells shall be collected within 90 days prior to submittal of the next permit renewal.**” These monitoring wells would be *MW-17S, MW-17I, MW-18S, MW-18I, MW-19S, MW-19I, MW-20S, MW-20I, MW-21S, and MW-21I*. The samples collected from the C&D Debris Disposal Facility monitoring wells are required to be analyzed for the 5-year C&D Debris Disposal Facility renewal monitoring parameters listed in Paragraph 9 of the WQMP (in the C&D Permit) in accordance with paragraph 62-701.730(8)(d), F.A.C.

Geosyntec was scheduled to perform the field sampling activities in January 2022 as part of the semi-annual compliance monitoring for the C&D Debris Disposal Facility as well as the Class I Landfill. This semi-annual sampling has been conducted. It should be noted that 90 days before

the required renewal application submittal date of May 13, 2022, is very close to the semi-annual sampling completed in January 2022. It also requires different parameters from those of the routine semi-annual sampling listed in paragraph 62-701.730(8)(c), F.A.C. However, Geosyntec has confirmed that the extra parameters are included in the sampling analysis that is being conducted for this semi-annual sampling event and can be added to the schedule for the analytical testing laboratory. Therefore, Geosyntec will request from FDEP approval to use the January 2022 semi-annual sampling results, including results for the extra parameters, in the permit renewal application. As such, the scope of services presented below does not include additional groundwater sampling and analytical testing for the permit renewal application.

For budgeting purposes, the scope of work will be performed in three phases as follows:

- Phase 1 – General Consulting/Meeting Support/Project Management;
- Phase 2 – Preparation of the Solid Waste Permit Renewal Application; and
- Phase 3 – Response to Regulatory Comments.

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, budget and schedule tracking and project administration. Geosyntec has also included a budget for preparation and attendance (by two Geosyntec personnel) at two meetings: (i) kickoff meeting with SWDD staff to obtain information required to complete the application; and (ii) a pre-application meeting with FDEP and SWDD to discuss specific permitting issues. During the pre-application meeting, Geosyntec will request use of the January 2022 semi-annual groundwater sampling data for the permit application in lieu of an additional sampling 90 days prior to submittal of the renewal permit application. Geosyntec has assumed that the FDEP meeting will be held via teleconference in order to reduce overall costs to the project.

### **Phase 2 – Preparation of the Solid Waste Permit Renewal Application**

Geosyntec will prepare the FDEP Solid Waste Operation Permit renewal application for the C&D Debris Disposal Facility. Geosyntec will complete FDEP Form No. 62-701.900(6) titled “*Application for a Permit to Construct, Operate, Modify or Close a Construction and Demolition Debris Disposal or Disposal with Recycling Facility*” and address all applicable additional information items required by the form. In accordance with paragraph 62-701.320(10)(c), F.A.C., the facility information that was previously submitted to FDEP to support the expiring permit, and

which is still valid, will not be re-submitted for the permit renewal. The permit renewal application will list and reaffirm that the information is still valid (i.e., no change).

Activities required for compilation, reproduction, and distribution of the permit application are included in this phase. Geosyntec will provide one (1) electronic and one (1) hardcopy of the permit renewal application to FDEP Tallahassee and two (2) copies (1 electronic and 1 hardcopy) to SWDD.

The renewal permit application fee will be \$1,000 for the 5-year operation permit. Geosyntec has assumed that SWDD will issue the check for the permit fee.

### **Phase 3 – Response to Regulatory Comments**

Following submittal of the permit renewal Application, Geosyntec will schedule a teleconference with the Tallahassee office of the FDEP Solid Waste Section to present and discuss the application package. Geosyntec will provide FDEP with written responses to RAIs throughout the course of the permit application review process. For the purpose of the budget estimate, Geosyntec has estimated two responses to FDEP RAIs will be required.

Geosyntec will also review and provide comments on the draft Solid Waste Permit issued by FDEP to ensure that it is consistent with the facility requirements and does not contain unexpected compliance and monitoring requirements.

### **SCHEDULE**

Geosyntec has prepared a schedule for preparing the five-year Solid Waste Permit renewal, which is included as **Attachment 1**. The schedule, as presented, assumes a start date of 8 February 2022, and projects a C&D Debris Disposal Facility Solid Waste Renewal Permit Application submittal to FDEP by 12 May 2022 to ensure that the application would be considered “**timely and sufficient**” by FDEP (that is, more than 61 days prior to the expiration of permit). Geosyntec has assumed that the required permit will be obtained within three months of submission. Response to FDEP comments and review of draft permit issued by FDEP will be performed during this three-month period. Therefore, it is anticipated that the final renewal permit will be issued by 13 July 2022.

Geosyntec will work with SWDD to refine the project schedule and set the milestones necessary to meet the needs of the project. Throughout the duration of the project, Geosyntec will work diligently to meet those milestones and the schedule developed for the project.

## **BUDGET ESTIMATE AND ASSUMPTIONS**

The budget estimate for the scope of work outlined in this proposal is summarized in the following table, and a detailed budget estimate is provided as **Attachment 2**. The budget estimate does not include permit fees that may be required at the time the permit application is submitted to FDEP.

Phase 1 – General Consulting/Meeting Support/Project Management	\$12,299
Phase 2 – Preparation of the Solid Waste Permit Renewal Application	\$19,021
Phase 3 – Response to Regulatory Comments	<u>\$7,673</u>
<b>Total Budget Estimate</b>	<b>\$38,993</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 our scope of work will be performed, upon approval from SWDD, using the Rate Schedule included in our Agreement. Geosyntec will not exceed the cost 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,



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

Attachment 1 – Proposed Project Schedule  
Attachment 2 – Detailed Budget Estimate

**ATTACHMENT 1**

**PROPOSED PROJECT SCHEDULE**





**ATTACHMENT 2**

**DETAILED BUDGET ESTIMATE**

Table 1

**BUDGET ESTIMATE  
PERMIT RENEWAL APPLICATION  
C&D DEBRIS DISPOSAL FACILITY  
INDIAN RIVER COUNTY, FLORIDA**

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

ITEM	BASIS	RATE	QUANTITY	ESTIMATED BUDGET
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$260	0	\$0
b. Principal	Hr	\$245	20	\$4,900
c. Senior Professional	Hr	\$225	0	\$0
d. Project Professional	Hr	\$203	16	\$3,248
e. Professional	Hr	\$176	0	\$0
f. Senior Staff Professional	Hr	\$154	18	\$2,772
g. Staff Professional	Hr	\$132	0	\$0
<b>Subtotal Professional Services</b>				<b>\$10,920</b>
<b>B. Technical/Administrative Services</b>				
a. Designer	Hr	\$143	0	\$0
b. Senior Drafter/Senior CADD Operator	Hr	\$126	0	\$0
c. Project Administrator	Hr	\$71	12	\$852
d. Clerical	Hr	\$55	0	\$0
<b>Subtotal Technical/Administrative Services</b>				<b>\$852</b>
<b>C. Reimbursables</b>				
a. Lodging	Day	\$164	0	\$0
b. Per Diem	Day	\$55	0	\$0
c. Communications Fee	3% Labor	0.03	\$11,772	\$353
d. CADD Computer System	Hr	\$15	0	\$0
e. Vehicle Rental & Fuel	Day	\$150	0	\$0
f. 8"x11" Photocopies	Each	\$0.12	200	\$24
g. CADD Drawings	Each	\$3	50	\$150
<b>Subtotal Reimbursables</b>				<b>\$527</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 01</b>				<b>\$12,299</b>

Table 2

**BUDGET ESTIMATE  
PERMIT RENEWAL APPLICATION  
C&D DEBRIS DISPOSAL FACILITY  
INDIAN RIVER COUNTY, FLORIDA**

**PHASE 02: PREPARATION OF THE SOLID WASTE PERMIT RENEWAL APPLICATION**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED BUDGET
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$260	4	\$1,040
b. Principal	Hr	\$245	16	\$3,920
c. Senior Professional	Hr	\$225	0	\$0
d. Project Professional	Hr	\$203	20	\$4,060
e. Professional	Hr	\$176	0	\$0
f. Senior Staff Professional	Hr	\$154	40	\$6,160
g. Staff Professional	Hr	\$132	0	\$0
<b>Subtotal Professional Services</b>				<b>\$15,180</b>
<b>B. Technical/Administrative Services</b>				
a. Designer	Hr	\$143	16	\$2,288
b. Senior Drafter/Senior CADD Operator	Hr	\$126	0	\$0
c. Project Administrator	Hr	\$71	0	\$0
d. Clerical	Hr	\$55	8	\$440
<b>Subtotal Technical/Administrative Services</b>				<b>\$2,728</b>
<b>C. Reimbursables</b>				
a. Lodging	Day	\$164	0	\$0
b. Per Diem	Day	\$55	0	\$0
c. Communications Fee	3% labor	0.03	\$17,908	\$537
d. CADD Computer System	hr	\$15	16	\$240
e. 8"x11" Photocopies	Each	\$0.12	800	\$96
f. CADD Drawings	Each	\$3	80	\$240
<b>Subtotal Reimbursables</b>				<b>\$1,113</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 03</b>				<b>\$19,021</b>

Table 3

**BUDGET ESTIMATE  
PERMIT RENEWAL APPLICATION  
C&D DEBRIS DISPOSAL FACILITY  
INDIAN RIVER COUNTY, FLORIDA**

**PHASE 03: RESPONSE TO REGULATORY COMMENTS**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED BUDGET
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$260	4	\$1,040
b. Principal	Hr	\$245	6	\$1,470
c. Senior Professional	Hr	\$225	0	\$0
d. Project Professional	Hr	\$203	8	\$1,624
e. Professional	Hr	\$176	0	\$0
f. Senior Staff Professional	Hr	\$154	12	\$1,848
g. Staff Professional	Hr	\$132	0	\$0
<b>Subtotal Professional Services</b>				<b>\$5,982</b>
<b>B. Technical/Administrative Services</b>				
a. Designer	Hr	\$143	4	\$572
b. Senior Drafter/CADD Operator	Hr	\$126	0	\$0
c. Project Administrator	Hr	\$71	0	\$0
d. Clerical	Hr	\$55	4	\$220
<b>Subtotal Technical/Administrative Services</b>				<b>\$792</b>
<b>C. Reimbursables</b>				
a. Lodging	Day	\$164	0	\$0
b. Per Diem	Day	\$55	0	\$0
c. Communications Fee	3% labor	0.03	\$6,774	\$203
d. CADD Computer System	hr	\$15	16	\$240
e. 8"x11" Photocopies	Each	\$0.12	800	\$96
f. CADD Drawings	Each	\$3	120	\$360
<b>Subtotal Reimbursables</b>				<b>\$899</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 04</b>				<b>\$7,673</b>