

AMENDMENT NUMBER 2 WORK ORDER NUMBER 2
SEGMENT 3 CELL 1 LANDFILL GAS COLLECTION SYSTEM EXPANSION
ENGINEERING SERVICES DURING CONSTRUCTION


This Amendment 2 to Indian River County (IRC) Landfill Work Order Number 2 is entered into as of this ___ day of _____, 2021, in accordance with FS 287.055, Consultant’s Competitive Negotiation Act per the Request for Qualification #2017048 for Engineering Consulting Services for Landfill Closure, Landfill Gas Collection System Expansion, and Cell Construction, dated July 18, 2017 (referred to as the “Agreement”), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida (“COUNTY”) and CDM Smith Inc. (CDM Smith) (“Consultant”).

1. The COUNTY has selected the Consultant to perform the professional services set forth in existing Work Order Number 2, Effective Date 05/19/2020.
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 A (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 Section 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:
CDM Smith Inc.

BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY

By: 
Print Name: Eric J. Grotke, P.E., BCEE
Title: Vice President

By: _____
Joseph E. Flescher, Chairman

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

AMENDMENT NO. 2 TO WORK ORDER NO. 2

INDIAN RIVER COUNTY LANDFILL SEGMENT 3 CELL 1 LANDFILL GAS COLLECTION SYSTEM EXPANSION ENGINEERING SERVICES DURING CONSTRUCTION

This Amendment No. 2 to Work Order No. 2, when executed, shall be incorporated in and become part of the Agreement for Consulting Services between Indian River County Solid Waste Disposal District (COUNTY) and CDM Smith Inc., (CONSULTANT), dated July 18, 2017, hereafter referred to as the AGREEMENT. This agreement is the final reconciliation change order for the project as the construction services have been completed.

BACKGROUND

The COUNTY has requested that CONSULTANT prepare this Amendment to Work Order No. 2 to provide professional engineering services during construction for the proposed Class I Landfill Segment 3 Cell 1 landfill gas (LFG) collection system expansion. The proposed landfill collection system expansion is for the construction of vertical and horizontal landfill gas collection wells, header pipes, compressed air piping, and leachate forcemains. The design and permitting was completed and the project was advertised to bid in COUNTY Bid No. 2021006. Bid opening was January 6, 2021.

This Amendment No. 2 includes additional engineering services to assist with diverting leachate flow from the sideslope of Segment Hill into the drainage later of Cell 2. The COUNTY sought a solution for diverting condensation being pumped out of the landfill gas wells away from the leachate collection system so it would not be sent to the wastewater treatment plant. This prompted some upsizing of the condensate forcemains and the inclusion of additional valves so it could be diverted to new Frac Tanks for hauling. The COUNTY also sought to maximize the amount of landfill gas being collected so additional landfill gas wells were added to the current design and the horizontal collectors were extended to maximize the amount of landfill gas that could be extracted.

The Scope of Services for Additional Engineering Services During Construction, of the landfill gas expansion system is described below:

SCOPE OF SERVICES

CONSULTANT will provide engineering services during construction to act as the COUNTY's representative during the construction of the project. Based on recent discussions with COUNTY staff and our familiarity with the landfill site design of the project, the proposed Scope of Services includes the following tasks as a continuation of the previously approved tasks.

TASK 7.0 - GENERAL ENGINEERING SERVICES DURING CONSTRUCTION

Subtask 7.10 CONSULTANT reviewed design drawings and added additional landfill gas extraction wells. The CONSULTANT also reviewed field conditions and recommended solutions to lateral leachate seepage on the north face of Segment 2 landfill and recommended remedial action and facilitated changes with the Contractor to implement the changes.

SCHEDULE

There was no change to the project schedule.

PAYMENT AND COMPENSATION

Compensation for this Amendment No. 2 to Work Order No. 2 described herein shall be made in accordance with the Contract between SWDD and CONSULTANT. The lump sum amount of this Work Order No. 2, for Task 7 is \$8,500. The new total not-to-exceed amount of Work Order No. 2 is **\$347,500**.

or invoice purposes only, the value of each task in this Amendment No. 2 is as shown in **Table 1**.

Table 1

TASK VALUE FOR INVOICE PURPOSE –AMENDMENT NO. 2 TO WORK ORDER NO. 2		
TASK	DESCRIPTION	VALUE
7.0	General Engineering Services During Construction	\$8,500
	Lump Sum =	\$8,500
	TOTAL AMENDMENT NO. 2 TO WORK ORDER NO. 2 (lump Sum) -	\$8,500
	TOTAL AMENDMENT NO. 1 TO WORK ORDER NO. 2 (NTE) =	\$139,190
	ORIGINAL WORK ORDER NUMBER 2 (NTE)	\$199,810
	GRAND TOTAL AMOUNT FOR WORK ORDER NO. 2 (Lump Sum) =	\$347,500

EXHIBIT B-1

AMENDMENT NO. 2 TO WORK ORDER NO. 2

INDIAN RIVER COUNTY SOLID WASTE DISPOSAL DISTRICT
 SEGMENT 3 CELL 1 LANDFILL GAS COLLECTION SYSTEM EXPANSION
 ENGINEERING SERVICES DURING CONSTRUCTION

	Sr. Officer	Sr. Technical Expert	Associate	Principal	Senior Prof	Prof I	Senior Support Services (Drafting)	Staff Support Services	Document Control Specialist	Sr. Professional (Field)	Hours By Task
TASK 7.0 - General Engineering Services During Construction	1	8	1	6	14	10	4	1	2	4	51
Total	1	8	1	6	14	10	4	1	2	4	51

EXHIBIT B-2

BUDGET

PROJECT: Indian River County Solid Waste Disposal District
Segment 3 Cell 1 Landfill Gas Collection System Expansion
Amendment No. 2 To Work Order No. 2
Engineering Services During Construction
Tasks 7 – Lump Sum

DESCRIPTION: As Outlined in the Scope of Services, Exhibit A

REFERENCE: Agreement between Indian River County Solid Waste Disposal District and
CDM Smith Inc.

<u>Labor Category</u>	<u>Hours</u>	<u>Rate</u>	<u>Labor</u>
Sr. Officer	1	\$240	\$240
Sr. Technical Expert	8	\$235	\$1,880
Associate	1	\$215	\$215
Principal	6	\$210	\$1,260
Senior Professional	14	\$175	\$2,450
Professional I	10	\$120	\$1,200
Senior Support Services	4	\$130	\$520
Staff Support Services	1	\$95	\$95
Document Control Specialist	2	\$90	\$180
Sr. Professional (Field)	4	\$115	\$460
TOTAL HOURS	51		
TOTAL LABOR COST			<u>\$8,500</u>
TOTAL LUMP SUM AMOUNT AMENDMENT NO. 2			<u>\$8,500</u>