

WORK ORDER NUMBER CCNA2018WO2

Contamination Evaluation Plan Implementation


This Work Order Number 2 is entered into as of this ___ day of _____, 2019, pursuant to that certain Continuing Contract Agreement for Professional Services entered into as of this 17th 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 CDM Smith Inc., (CDM Smith) ("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), attached to this Work Order and made a part hereof by this reference 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:
CDM Smith Inc.

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

By: 
Title: Vice President

By: _____
Bob Solari, 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

AUTHORIZATION FOR PROFESSIONAL SERVICES

INDIAN RIVER COUNTY SOLID WASTE DISPOSAL DISTRICT ENGINEERING SERVICES FOR

C&D DEBRIS DISPOSAL FACILITY CONTAMINATION EVALUATION PLAN IMPLEMENTATION

CCNA-2018 WO NO. 2

This Authorization, when executed, shall be incorporated in and become part of the Continuing Contract Agreement for Professional Services between the Indian River County Solid Waste Disposal District (COUNTY), and CDM Smith Inc. (CONSULTANT), dated April 17, 2018, hereafter referred to as the Contract.

PROJECT BACKGROUND

In reviewing the August 29, 2017, Evaluation Monitoring Report for the Indian River County Construction and Demolition (C&D) Debris Disposal Facility, the Florida Department of Environmental Protection (FDEP) requested a Contamination Evaluation Plan (CEP). CONSULTANT prepared this plan on behalf of the COUNTY and submitted it to FDEP on June 18, 2018. FDEP accepted the CEP on November 1, 2018 with the additional requirement of sediment sampling along the Lateral C Canal. This Work Order is for the implementation of the CEP.

SCOPE OF WORK

CONSULTANT will coordinate with the COUNTY in order to provide timely execution of each portion of this project. The Scope of Work is as detailed below.

TASK 1.0 – CEP IMPLEMENTATION

Subtask 1.1 – Coordination, Permitting, Well Installation, Survey, Sampling, and In-Situ Permeability Tests

CONSULTANT will assist COUNTY with all sampling preparation activities, including scheduling, staffing, subcontracting, and field equipment preparation. CONSULTANT will coordinate with COUNTY staff and all subcontractors performing the work. CONSULTANT will also make the necessary notifications to FDEP.

Installation of three of the new monitoring wells will be in the 74th Avenue right-of-way (ROW). CONSULTANT will prepare and submit the permit application for the ROW permit to the Indian River County Land Development Department. CONSULTANT will include Figure 2 from the CEP to show the approximate locations of the new wells. The applicant for the permit will be IRC SWDD. COUNTY will issue payment for the permit fees.

CONSULTANT will contract with JAEE Environmental Services, Inc. (JAEE) to install three new shallow downgradient monitor wells (MW-50S, MW-51S, and MW-52S) and three new shallow upgradient monitor wells (MW-33S, MW-35S, and MW-40S). Prior to the installation, CONSULTANT will locate and mark the proposed well locations before JAEE mobilizes. CONSULTANT will provide full-time oversight during the installation. The installation is estimated to take two days.

CONSULTANT will prepare well installation logs. CONSULTANT will perform in-situ permeability testing on three of the new monitor wells in accordance with Section 2.2.4 of the CEP.

After installation of the wells, CONSUTLANT will contract with Masteller, Moler, and Taylor, Inc. (MMT) to survey the well locations including horizontal locations and vertical elevation of the top of casing. CONSULTANT/MMT will provide a signed/sealed letter with the survey data.

CONSULTANT will contract with Ideal Tech Services Inc. (ITS) to perform groundwater sampling and measurements of water levels. The sampling and measurements of water levels are summarized below along with the analysis required:

- Existing MW-21S and MW-49S sampled and analyzed for parameters listed in Table 2 of CEP.
- New wells MW-50S, MW-51S, MW-52S, MW-33S, MW-35S, and MW-40S sampled and analyzed for analytes listed in Table 2 of CEP.
- Remaining shallow detection wells for the C&D Debris Disposal Facility (MW-17S, MW-18S, MW-19S, and MW-20S) will be sampled and analyzed for naphthalene.
- Surface water samples from 3 locations in the Lateral C Canal and analyzed for parameters listed in Table 2 of CEP.
- Sediment samples from 3 locations along the Lateral C Canal and analyzed for parameters listed in Table 2 of CEP, as possible based on available analytical methods.
- Water level measurements from 10 detection wells, the six new wells, and MW-49S.

CONSULTANT/ITS will deliver the samples to the COUNTY contract laboratory (ENCO) Orlando office for analysis.

Subtask 1.2 – Analysis and Data Review

Unless otherwise determined by the COUNTY, ENCO will perform the laboratory analysis under the COUNTY's contract. CONSULTANT will assist the COUNTY in coordinating the analytical testing activities with ENCO. CONSULTANT will notify FDEP prior to sampling. After receipt of laboratory results, CONSULTANT will review and evaluate the analytical test results. CONSULTANT will coordinate with ENCO on any corrections to the analytical test reports.

Subtask 1.3 – Contamination Evaluation Report

In accordance with the CEP and after receipt of all analytical results, CONSULTANT will prepare a Contamination Evaluation Report that includes:

- Background information including results of previous investigations and monitoring.
- A description of work performed including well installation, well logs, sampling locations, and sampling methods.
- Summary tables of well construction details, groundwater analytical results (including historical data), water-level data, surface water quality data, in-situ permeability results and hydraulic conductivity determinations, well inventory, and survey results.
- A map or maps showing the location of groundwater wells, groundwater contour maps including the rate and direction of groundwater movement, applicable groundwater iso-concentration maps, and surface water sampling locations with results.

- Evaluation of surface water quality data with respect to numerical criteria established by the FDEP in Chapter 62-302, F.A.C. and potential impacts to the Lateral C Canal and Indian River Lagoon.
- Conclusions and recommendations based on results of the Contamination Evaluation investigations and regulatory requirements for corrective actions as required under Chapter 62-701.510 (7)(c), F.A.C. as appropriate.
- CONSULTANT will provide the final report in portable document file (PDF) format and analytical data in ADaPT format for submittal to FDEP in accordance with the CEP.

A draft report will be provided for the COUNTY to review. CONSULTANT will submit the report to FDEP within 12 weeks of initiation of field investigations.

TASK 2.0 – PROJECT QUALITY MANAGEMENT

Activities performed under this task consist of those general administrative functions required to assure that the project remains on schedule, within budget, and that the quality of the work products defined within this scope is consistent with CONSULTANT’s standards and the COUNTY’s expectations.

CONSULTANT maintains a Quality Management System (QMS) on all projects. The CONSULTANT will comply with its QMS, which includes independent review of deliverables, monthly project status reviews, and project close-out activities. CONSULTANT will meet with COUNTY staff for project planning and coordination, as needed. CONSULTANT’s project manager will attend status reporting meetings as needed throughout the life of the project. Preparation of invoices and project administration will also be performed under this task.

DELIVERABLES

Draft Contamination Evaluation Report - Electronic PDF copy

Final Contamination Evaluation Report – 1 hard copy and electronic PDF copy

ASSUMPTIONS

- COUNTY will provide review comments within 2 weeks of receipt of draft Contamination Evaluation Report.
- Laboratory analysis is not included in this Work Order.
- Laboratory analytical report will be received within 4 weeks of receipt of samples.
- No additional drawings will be prepared for the ROW permit.
- COUNTY will pay all permit fees.

DATA OR ASSISTANCE TO BE PROVIDED BY COUNTY

- Laboratory analytical reports and direct access to laboratory personnel.
- COUNTY contract laboratory will provide copies of analytical reports in electronic format (ADaPT) and in PDF format.
- Access and clearance of vegetation to sampling/monitoring sites.
- Maintenance of existing wells.
- Payment of all permit fees.

PAYMENT AND COMPENSATION

Compensation for the Work Order described herein shall be made on the basis of a lump sum fee. The lump sum fee for Tasks 1.0 through 2.0 is \$47,175 as shown in Exhibit B. CONSULTANT will invoice the COUNTY on a monthly basis based on percent complete.

EXHIBIT B

PROJECT BUDGET

**INDIAN RIVER COUNTY SOLID WASTE DISPOSAL DISTRICT
ENGINEERING SERVICES FOR**

**C&D DEBRIS DISPOSAL FACILITY
CONTAMINATION EVALUATION PLAN IMPLEMENTATION**

CCNA-2018 WO NO. 2

PROJECT: C&D Debris Disposal Facility - Contamination Evaluation Plan Implementation

DESCRIPTION: Task 1.0 – CEP Implementation
Task 2.0 – Project Quality Management

CONTRACT

REFERENCE: Agreement between the Indian River County Board of County Commissioners and CDM Smith Inc.

<u>Labor Category</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>
Senior Officer	3	\$240	\$720
Sr Tech Expert	7	\$235	\$1,645
Associate	5	\$215	\$1,075
Senior Professional	30	\$175	\$5,250
Professional II	64	\$140	\$8,960
Professional I	56	\$120	\$6,720
Senior Support	14	\$130	\$1,820
Project Administration	<u>14</u>	\$90	<u>\$1,260</u>
Total Hours	193		

Total Salary Cost \$27,450

Other Direct Costs \$1,500

Outside Professionals

Ideal Tech Services, Inc.	\$3,600
Beeson Consulting, Inc.	\$5,500
Masteller, Moler & Taylor, Inc.	\$825
JAE Environmental Services, Inc.	<u>\$8,300</u>

TOTAL LUMP SUM FEE \$47,175

For the basic services under this Agreement, IRC SWDD agrees to pay the Consultant a lump sum fee \$47,175 CONSULTANT will submit monthly invoices based on the percent complete for the work performed.

EXHIBIT C

PROJECT SCHEDULE

INDIAN RIVER COUNTY SOLID WASTE DISPOSAL DISTRICT
ENGINEERING SERVICES FOR

C&D DEBRIS DISPOSAL FACILITY
CONTAMINATION EVALUATION PLAN IMPLEMENTATION

CCNA-2018 WO NO. 2

SCHEDULE

Task	Description	Completion Date
1.1	Coordination and Permitting	4 weeks from NTP
1.1	Well Installation and In-Situ Permeability Testing	6 weeks from NTP
1.1	Survey	7 weeks from NTP
1.1	Sampling	8 weeks from NTP
1.2	Analysis and Data Review	12 weeks from NTP
1.3	Contamination Evaluation Report	18 weeks from NTP
2.0	Project Quality Management	Throughout project duration