

CCNA2018 AMENDMENT 1 TO WORK ORDER 3

Floridan Well Deepening and Performance Improvement

This Amendment 1 to Work Order Number 3 is entered into as of this ___ day of _____, 2020, pursuant to that certain Continuing Consulting Engineering Services 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 Kimley-Horn and Associates, Inc. ("Consultant").

1. The COUNTY has selected the Consultant to perform the professional services set forth in existing Work Order Number 3, Effective Date July 3, 2018.

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 A (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 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: _____

, Chairman

Print Name: _____

Title: _____

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 1 to Work Order Number 3

Indian River County Department of Utility Services

South Oslo Rd Water Plant Floridan Well Deepening and Rehabilitation

Additional Construction Phase Services

PROJECT UNDERSTANDING

Indian River County Utilities (IRCU) awarded All Webbs Enterprises, Inc. (AWE) construction of wells S-7 and S-4R, including deepening the borehole of wells' S-2, S-3, S-5 and S-6 on July 16, 2016, and June 13, 2018. The work was originally intended to be completed within 445 days on February 14, 2019. To date, it appears AWE may be completed more than a year and a half over the originally approved schedule, or approximately 600 days. It should be noted that this project has been on-going for more than 4 years.

Consultant has expended additional time overseeing drilling and construction activities, resulting in additional effort beyond the work order #3. As a result, the following scope consists of additional oversight during drilling, and coordination to the existing work order with IRCU.

SCOPE OF WORK

Consultant will provide construction phase services including hydrogeological services, performance testing of each well, and preparation of a supporting well completion report for wells #S-2, S-3, S-5, and S-6 Floridan Aquifer wells. Consultant will utilize subconsultant services of JLA Geosciences, Inc. for the Hydrogeologic Consulting Services (JLA).

Consultant will provide additional hydrogeological support and observation services during Upper Floridan Aquifer well deepening, including pilot hole drilling and reaming, geophysical logging, completion interval drilling and associated testing, preliminary well development, acid treatment, pump development and testing, post rehabilitation development testing and specific capacity testing; and witness post-rehabilitation videos. Consultant will provide an additional 80 hours of additional **on-site** hydrogeological services (JLA) for well deepening.

Consultant will coordinate additional water quality testing, which includes additional water quality data for membrane projections. Consultant will provide additional wellsite review pre- and post- deepening and rehabilitation since contractor must remove the existing wellhead equipment to allow an alternate deepening rig on-site.

Consultant will attend meetings and make onsite site visits for each of the four (4) existing wells to be deepened; provide coordination during construction, review of individual well geophysical and video logging, review contractor's submittals including acid treatment plan, onsite hydrogeologic observation during critical elements of deepening, well logging.

Consultant will attend additional pump startups, and well site visits to inspect work completed to date.

It is anticipated that the additional construction phase that will be added will be up to 560 calendar days beyond the approved schedule submitted by AWE.

Consultant will attend additional onsite progress meetings to discuss progress, review construction related issues, and provide coordination where needed.

SCHEDULE

In general, the schedule will coincide with the Contractor's (AWE) additional time needed to complete the project and is assumed to be 365 additional days.

FEE SCHEDULE

We will provide these services in accordance with the Continuing Consulting Engineering Services Contract Agreement for Professional Services with Kimley-Horn and Associates dated April 17th, 2018.

The Consultant will provide professional services on a lump sum fee basis of \$67,277.

ADDITIONAL SERVICES

The following services are not included in the Scope of Services for this project, but may be required depending on circumstances that may arise during the execution of this project. Additional services include, but may not be limited to the following:

- Mechanical Design of pumps or wellheads
- Preparation of wellfield operating plans
- Permitting support other than FDEP certification of completion

ITEMS FURNISHED BY OWNER

The following items will be furnished by the Owner and are necessary for completion of the tasks described herein.

- None

EXHIBIT B
ESTIMATE FOR ENGINEERING SERVICES

PROJECT: IRCU Floridan Well ADDITIONAL SDCS						SHEET 1 OF 1		
CLIENT: Indian River County Utilities						FILE NO.		
ESTIMATOR: MDM						DATE: 8.16.20		
DESCRIPTION:		DIRECT LABOR (MAN-HOURS)						
Additional Oversight - Floridan Wells South Plant Design, permitting, Construction phase				REG			Dir Exp	LINE
			SEN	PROF	DES/		(4.6%)	TOTAL
		PRINC	PROF	JL/FH	P2 (JPF)	CLK	EXP SUB	
NO.	TASK							
ADDITIONAL CONSTRUCTION SVCS								
	Additional Coordination/Observation		18		70	12	\$577	13,129
	Additional Shop Dwg review		8		36	12	\$310	7,042
	Additional Meetings		8		16	12	\$213	4,845
	JLA onsite		8		8	4	\$27,274	30,437
	Additional Startup & Operational testing (wellhead)		12		60	24	\$520	11,824
	TOTAL HOURS		54		190	64	\$27,274	\$1,759
	LABOR (\$/HOUR)	235	225	150	105	96		
	SUBTOTAL		\$12,150		\$19,950	\$6,144		\$38,244