

**Indian River County, Florida
Department of Utility Services
Board Memorandum**

Date: September 9, 2020

To: Jason E. Brown, County Administrator

From: Vincent Burke, PE, Director of Utility Services

Prepared By: Arjuna Weragoda, PE, Capital Projects Manager

Subject: Amendment No. 1 to Work Order No. 3 with Kimley Horn and Associates for Floridan Well Deepening and Performance Improvement at South County RO Plant

Descriptions and Conditions:

On July 12, 2016, the Indian River County Board of County Commissioners (BCC) awarded the contract for the South County Reverse Osmosis (SCRO) Water Treatment Plant (WTP) Well Number 7, Wellhead and Appurtenances, and Floridan Aquifer Wells Rehab Project to All Webbs Enterprises, Inc. (AWE), at a cost of \$1,477,360.00.

During the initial phases of rehabilitation of well S-4, it became apparent that the existing polymerizing vinyl chloride (PVC) casing was damaged significantly to the extent of not being salvageable. Therefore, a change order was issued to AWE to drill a new well S4-R, which also included additional time. An additional 250 calendar days were added to the original 240-calendar days to incorporate the construction of the new well S4-R.

Analysis:

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. Following are some of the reasons for delays caused by AWE:

- Non responsive
- Lack of proper management of the project
- Delays transitioning between wells and phases of construction (typically delays starting the next well in sequence and the transition between drilling/acidization/development/testing and wellhead construction)
- Equipment issues requiring activities to be performed multiple times and requires multiple trips (geophysical logging and videos).
- Delays from not completing well S-7 and S-4 wellheads delayed the start of work at S-2. Slow completion of S-2 wellhead led to delays in starting S-3, etc.

- Forgot to video S-2 before putting back in service
- Not having enough rigs for all AWE projects
- Start-up for S-4 was very delayed because of the wrong mechanical seal being installed
- Deep pedestal with rotted vent pipe inside delayed S-2
- Faulty flow switches
- Lead time ordering new Cla-Vals

Staff requested that Kimley-Horn create a proposal for the expended additional time overseeing drilling and construction activities. The Amendment No. 1 to Work Order 3 will be provided in accordance with the Continuing Consulting Engineering Services Agreement for Professional Services with Kimley-Horn and Associates dated April 17, 2018. The scope is more specifically described in the attached Amendment No. 1 to Work Order No. 3. The total cost for the South Oslo Rd Water Plant Floridan Well Deepening and Rehabilitation Additional Construction Phase Services outlined in Amendment No. 1 to Work Order No. 3 is a lump sum amount of \$67,277.00. Note that AWE has been put on notice that this amount will be deducted from their final payment.

Funding:

Funding for Amendment No. 1 to Work Order No. 3 is available in the Utilities Operating Fund. Utilities operating funds are derived from water and sewer sales.

Description	Account Number	Amount
Rehab SCRO Wells	47123536-044699-15518	\$ 67,277.00

Recommendation:

Staff recommends approval of Amendment No. 1 to Work Order No. 3 authorizing the professional services and requests the Indian River County Board of County Commissioners to authorize the Chairman to execute the Amendment No. 1 to Work Order No. 3 on their behalf for a lump sum amount of \$67,277.00 to Kimley-Horn and Associates.

Attachment(s):

Amendment No. 1 to Work Order No. 3 and supporting documents (3 Pages)