



## INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES

**Date:** January 3, 2017

**To:** Jason E. Brown, County Administrator

**From:** Vincent Burke, P.E., Director of Utility Services

**Prepared By:** Arjuna Weragoda, P.E., Capital Projects Manager

**Subject:** Work Order No. 11 with Kimley-Horn and Associates for the Construction of Well No. 4 at South County RO Plant (SCRO)

### DESCRIPTIONS AND CONDITIONS:

Indian River County Department of Utility Services (IRCDUS) owns and operates six (6) Floridan supply wells, which are the raw water supply and source water for the SCRO water treatment facility located on Oslo Road. These wells are the lifeblood of the treatment facilities and maintaining efficient operation of these well fields is critical to the sustainability of the water system.

On July 12, 2016, the Indian River County Board of County Commissioners (BCC) approved the bid award to All Webbs Enterprises, Inc. for the rehabilitation of wells 3, 4, 5 and 6 to restore capacity and reliability of the raw water supply wells to the water treatment plant, and to construct a new well No. 7. During the initial phases of rehabilitation of well No. 4, it became apparent that the existing PVC casing was damaged significantly from previous work to the extent of not being salvageable. The existing casing is cracked in several locations and is potentially a sanitary hazard. Please refer to Attachment No. 2 (Well No. 4 Condition Report) for more details. The Engineer's opinion of probable construction cost of a new well No. 4 based on All Webbs unit prices is approximately \$800,000.00. Once the consultant has prepared design documents and secured permits for the new well No. 4, a detailed cost proposal will be requested by the existing contractor. In the best interest of the county, it is recommended to request a change order from the contractor currently on-site in order to defray mobilization costs, advertising/bidding cost and save time. Please note that a deduction of approximately \$100,000.00 for the rehabilitation of Well No. 4 will be credited as part of the Change Order.

### ANALYSIS:

Staff requested that Kimley-Horn prepare a proposal for design, construction and testing phase services to abandon existing well S-4 and to construct a new Floridan aquifer supply well No. 4 at the SCRO Water Treatment plant. The scope is more specifically described in the attached Work Order No. 11. On November 4th, 2014, the BCC approved the Extension and Amendment of the Continuing Contract Agreement for Professional Services with Kimley-Horn and Associates. The total negotiated cost for the Floridan Well No. 4 Construction is outlined in work order No. 11 for a lump sum amount of \$135,563.00, separated into four (4) tasks. Therefore, payment will only be made for the work completed under the specific task.

### FUNDING:

Funding for Work Order No. 11 is available in the SCRO Well No. 4 Account within the Utilities Operating Fund. Operating funds are derived from water and sewer sales.

Description	Account Number	Amount
SCRO New Well No.4	471-169000-14506	\$135,563.00

**RECOMMENDATION:**

Staff recommends approval of Work Order No. 11 authorizing the above-mentioned professional services and requests the Board to authorize the Chairman to execute the same on their behalf for a sum amount of \$135,563.00 to Kimley-Horn and Associates.

**ATTACHMENT(s):**

- 1. Work Order No. 11 and supporting documents (7 Pages)
- 2. Existing Well No. 4 Condition Assessment Report (47 Pages)