

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

**Date:** June 20, 2023

**To:** Indian River County Board of County Commissioners

**Through:** John A. Titkanich, Jr., County Administrator  
Sean C. Lieske, Director of Utility Services

**From:** Howard G. Richards, PE, Manager - Capital Projects

**Prepared by** Harrison Youngblood, PE, Utilities Engineer, Utility Services

**Subject:** Work Order #1 - West Regional Wastewater Treatment Facility Effluent Reject System

**Descriptions and Conditions:**

Indian River County Department of Utilities Services (IRCDUS) owns and operates the West Regional Wastewater Treatment Facility (WRWWTF), a 6-MGD Annual Average Daily Flow activated sludge facility. Treated effluent from the WRWWTF currently flows via gravity from the chlorine contact basins (CCB) to an intermediate pump station (IPS), where it can be pumped to the reclaim system or gravity flow to the rapid infiltration basins (RIBs) or the wetlands. The IPS also receives reclaim water flows from the South Regional Wastewater Treatment Facility (SRWWTF). Florida Senate Bill 64 (SB64) requires IRCDUS to eliminate nonbeneficial surface water discharge to the golf courses and treatment wetlands. Accordingly, IRCDUS desires to undertake the subject project, to construct process improvements to re-direct non-spec treated effluent, or “reject water,” from the wetlands to the RIBs.

**Analysis:**

At the request of IRCDUS staff, Kimley-Horn and Associates (KHA) prepared the attached Work Order No.1 proposal for the professional engineering services for design, permitting, bid and construction phase services associated with the proposed reject water improvements for the WRWWTF. KHA will design piping improvements to facilitate installation of valves on two (2) 30-inch mains that exit the IPS. Two (2) additional valves will be installed to control the flow between the RIBs and wetlands. KHA will also design slab on grade to support the motor actuators as well as design replacement of the RIB disposal piping.

**Funding:**

Expenses for this project, in the amount of \$151,343, will be recorded in the operating capital account Utilities/WIP/WWWTF Effluent Reject System, number 471-169000-23539. Since this is an operating capital project, the funds will come from fund balance. Operating funds are derived from water and sewer sales.

Description	Account Number	Amount
Utilities / WIP / WWWTF Effluent Reject System	471-169000-23539	\$151,343.00

## Consent Item

### **Recommendation:**

Staff recommends that the Board of County Commissioners approve Work Order No.1 with Kimley-Horn and Associates, Inc. in the amount of \$151,343.00 to provide design, permitting, bid and construction phase services, and authorize the chair to execute the same. So long as there are no changes in the dollar amount under the work order, upon adequate completion of the work set forth in the work order, staff is directed to make final payment and release any retainage to Kimley-Horn and Associates, Inc., after review and approval by the Purchasing Manager and the County Attorney's Office.

### **Attachments:**

Work Order #1 – West Regional Wastewater Treatment Facility Effluent Reject System