



## **INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES**

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Date: September 22, 2017

To: Jason E. Brown, County Administrator

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

Prepared By: John M. Boyer, P.E., Utilities Engineer

Subject: Forest Park Water Main Extension: Approval of Blue Goose Construction Work Authorization No. 2017-008

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### **DESCRIPTIONS AND CONDITIONS:**

On April 11, 2017, the Indian River County Board of County Commissioners (BCC) authorized the Indian River County Department of Utility Services (IRCDUS) to comply with the Florida Department of Environmental Protection’s (FDEP) Consent Order 17-0072. As part of the compliance, IRCDUS planned to purchase an online total phosphorus monitoring instrument and a hand-held field oxidation reduction potential probe to assist the West Regional Wastewater Treatment Facility (WRWWTF) staff in adjusting the treatment process in response to influent loads. FDEP staff had initially indicated that the instrument and probe qualified as an “in-kind” offset to fines related to the Consent Order. However, when IRCDUS staff made the formal response to the Consent Order, the instrument and probe were rejected by FDEP. IRCDUS staff went back to FDEP to obtain the formal approval of an alternate in-kind project.

The Forest Park water distribution system dates to the early 1970s and “dead-ends” at the north end of West Forest Trail. In the recent past, repairs to the system have required the main to be shut down, resulting in service interruptions and precautionary boil water notices for all 116 residents. In order to improve service to Forest Park customers, IRCDUS staff has designed an extension of the county’s water system to connect the water mains in Forest Park to a county water main in the Vista Royale community. The proposed water main extension will improve water service to the residents by providing a second connection point and minimize the number of customers put out of service when repairs are made.

This project will also provide an in-kind offset for FDEP Consent Order 17-0072 since it is an improvement to the water system that is not required for compliance and is not part of the capital improvement program. FDEP conducted a formal review and issued a letter stating that the project qualifies as an in-kind offset (Attachment 1).

**ANALYSIS:**

Staff has determined the most efficient and timely method to construct the subject water main is to utilize the IRCDUS labor contractor, Blue Goose Construction (BGC), and prepared a work authorization for the project (Attachment 2). A list of the anticipated labor and material quantities was prepared, and bid prices from the Blue Goose Construction contract was used to calculate the labor expense. The total material cost was based on unit prices derived from the Annual Contract for Utility Warehouse Stock. Construction costs are estimated as follows (Attachment 3):

1.	Labor Expense (Blue Goose Construction):	\$ 74,920.78
2.	Materials:	\$ 20,026.60
3.	Permit Application Fees:	\$ 650.00
4.	<u>Survey Consultant Fees:</u>	<u>\$ 7,000.00</u>
	Total Project Budget:	\$102,597.38

**FUNDING:**

Funding for this project is derived from the capital budget in the operating fund. The operating fund budget is derived from water and sewer sales.

ACCOUNT NAME	ACCOUNT NUMBER	AMOUNT
Forest Park 6" Water Main Extension	471-169000-17538	\$110,000.00

**RECOMMENDATION:**

Staff recommends that the Board of County Commissioners approve Blue Goose Construction Work Authorization No. 2017-008 and authorize staff to purchase materials to construct the Forest Park 6" Water Main Extension.

**ATTACHMENT(s):**

1. FDEP In-Kind Approval Letter
2. BGC Work Authorization No. 2017-008
3. Cost Estimate – Labor & Material
4. Exhibit – Proposed Water Main