



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

Date: January 7, 2019
To: Jason E. Brown, County Administrator
From: Vincent Burke, PE, Director of Utility Services
Prepared By: Arjuna Weragoda, PE, Capital Projects Manager
Subject: Indian River Club Reclaimed Distribution System Analysis

DESCRIPTIONS AND CONDITIONS:

Indian River County Department of Utility Services (IRCDUS) has historically provided reclaimed water (a.k.a. reuse) to area golf courses for irrigation. Indian River Club Subdivision is located along the southern boundary of Indian River County, adjacent to the South Regional Wastewater Treatment Facility (SRWWTF). Indian River Club has requested additional reclaimed water as their irrigation source for the contemplated development to the east of the SRWWTF. Currently, IRCDUS provides reuse to the north half of the subdivision located north of Highlands Drive.

ANALYSIS:

Staff reached out to Bowman Consulting Group (Bowman) to perform an engineering feasibility analysis in regard to running a pressurized or non-pressurized reuse main to the subdivision site. In order to accurately determine the feasibility of a reuse main given the regulatory hurdles, Bowman spoke to some of the regulatory agencies prior to submitting a proposal. As part of that evaluation, Bowman determined the need for an extensive evaluation of the regulatory criteria and the practicability of permitting such a use. Based on the regulatory evaluation, system design alternatives will also be evaluated as part of the subject work order.

The work order has been provided in accordance with the Continuing Contract Agreement for Professional Engineering Services with Bowman dated April 17, 2018. The scope is more specifically described in the attached Work Order No. 1. The total negotiated cost for Work Order No. 1 is a total sum amount of \$25,657.00. Substantial completion of this evaluation is estimated to take approximately ten (10) weeks from notice to proceed.

FUNDING:

Funding for the Indian River Club Reuse Main System is available within the Utilities Replacement and Renewal Operating Fund. Operating fund revenues are generated from water and sewer revenues.

Description	Account Number	Amount
Other Professional Services	47123536-033190	\$25,657.00

RECOMMENDATION:

Staff recommends approval of Work Order No. 1 authorizing the mentioned professional services and requests the Board of County Commissioners authorize the Chairman to execute Work Order No. 1 on their behalf, for a total sum amount of \$25,657.00, to Bowman Consulting Group.

ATTACHMENT(s):

Work Order No. 1 and supporting documents *(6 Pages)*