

Indian River County, Florida
Department of Utility Services
Board Memorandum

Date: May 28, 2019
To: Jason E. Brown, County Administrator
From: Vincent Burke, PE, Director of Utility Services
Prepared By: Arjuna Weragoda, PE, Capital Projects Manager
Subject: Reclaimed Waterline Corrosion Evaluation – Bowman Work Order No. 2

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. The distribution of reclaimed water between wastewater treatment facilities, storage tanks, and other delivery points are transmitted via transmission and distribution mains. These mains vary in size from 4 to 20-inches and are comprised of Ductile Iron (DIP), Poly Vinyl Chloride (PVC), and High-Density Polyethylene (HDPE).

Analysis:

Last fall, IRCDUS staff noticed external corrosion in a section of a 20-inch reclaimed water DIP located on the north side of 17th Street SW. Staff reached out to Bowman Consulting Group (Bowman) to perform a corrosion evaluation analysis of the subject reclaimed waterline. As part of that request, Bowman determined the need for an extensive evaluation of the reclaimed waterline to determine the cause of corrosion.

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. 2. The total negotiated cost for Work Order No. 2 is a total sum amount of \$84,865.00. Substantial completion of this evaluation is estimated to take approximately four (4) weeks from notice to proceed.

Funding:

Funding for the Reclaimed Waterline Corrosion Evaluation is available within the Utilities Other Professional Services account in the Operating Fund. Operating fund revenues are generated from water and sewer revenues.

Description	Account Number	Amount
Other Professional Services	471-23536-033190	\$84,865

Recommendation:

Staff recommends approval of Work Order No. 2 authorizing the mentioned professional services and requests the Board of County Commissioners to authorize the Chairman to execute Work Order No. 2 on their behalf, for a total sum amount of \$84,865.00, to Bowman Consulting Group.

Attachment(s):

Work Order No. 2 and supporting documents