

Indian River County, Florida
Department of Utility Services
Board Memorandum

Date: December 27, 2023

To: John A. Titkanich, Jr., County Administrator

From: Sean C. Lieske, Director of Utility Services

Through: Howard G. Richards, PE, Capital Projects Manager, Utility Services

Prepared by: Harrison D. Youngblood, PE, Utilities Engineer, Utility Services

Subject: Amendment No.1 to Work Order No.8 to Bowman Consulting Group, LTD for Revisions to the Department of Utility Services Water, Wastewater & Reuse Utility Construction Standards

Background:

On September 13, 2022, the Indian River County Board of County Commissioners (BCC) approved Work Order No. 8 to Bowman Consulting Group, LTD (Bowman), to update and incorporate new utility standard construction details for Indian River County Department of Utility Services (IRCDUS), Water, Wastewater & Reuse Utility Construction Standards (Standards).

Analysis:

During the course of revising the Standards, it was deemed necessary by IRCDUS staff to update certain portions of the Standards related to lift stations including bonding ring grounding and as-built/record drawing submittals. The proposed lift station revisions will include above-ground and pump-out piping, grounding revisions, control panel configuration, overhead lighting, and changes to other appurtenances.

Bowman will provide for the review of the proposed bonding ring by an electrical subconsultant, C&W Engineering. The subconsultant will compare the proposed bonding ring to NEC Article 250 grounding requirements and provide recommendations with respect to personnel safety and surge, dip, and spike protection for incorporation into the Standards.

IRCDUS wishes to streamline the process of incorporating as-built data, received in hard copy format from developers and contractors, into its Geographic Information System (GIS). Bowman will query other utilities in the Central Florida area to determine their submittal requirements. Bowman's GIS staff will recommend data format requirements, and the findings will be presented in a technical memorandum with a draft revised copy of the As-Built Record Drawing sheet (M-16) for the Standards.

Bowman submitted Amendment No. 1 to Work Order No. 8 for the above-described additional revisions to the Standards for \$26,956.92.

Funding:

Funds in the amount of \$26,956.92 for this project are budgeted in Fiscal Year 2023/2024 in the Utilities/General & Engineering/Other Professional Services account, number 47123536-033190, in the Utilities Operating Fund. Utilities operating funds are derived from water and sewer sales.

Description	Account Number	Amount
Utilities/General & Engineering/Other Professional Services	47123536-033190	\$26,956.92

Recommendation:

Staff recommends that the Board of County Commissioners authorize Amendment No. 1 to Work Order No. 8 to Bowman Consulting Group, LTD, for additional revisions for the Department of Utility Services Water, Wastewater & Reuse Utility Construction Standards for \$26,956.92 and authorize the Chairman to execute the same. So long as there are no changes in the dollar amount under the Work Order as amended, upon adequate completion of the work set forth in the Work Order, staff is directed to make final payment and release any retainage to Bowman Consulting Group, LTD, after review and approval by the Purchasing Manager and the County Attorney's Office.

Attachment:

Bowman Amendment No. 1 Work Order No. 8