



INDIAN RIVER COUNTY, FLORIDA
AGENDA ITEM
Sandridge Golf Course

Date: July 7, 2021
To: The Honorable Board of County Commissioners
Thru: Jason E. Brown, County Administrator
Michael C. Zito, Assistant County Administrator
From: Bela Nagy, Golf Professional
Subject: Irrigation System Pump Station Replacement at Sandridge Golf Club,
Dunes Course

DESCRIPTION AND CONDITIONS:

The irrigation pump station for the Dunes Golf Course was installed in April 1992, with an anticipated life expectancy of twenty years.

On January 17, 2017, the Board waived the requirement for bids for the replacement of the pump station on the Lakes Course. A Watertronics pump station was approved at a cost of \$108,727, excluding installation, electrical work and irrigation materials, which were completed as part of Bid 2017016 – Lakes Course Irrigation System Replacement awarded on February 7, 2017. The Watertronics station has operated well, and for the sake of consistency between the irrigation systems and their operating software on both courses, is recommended as the brand for the Dunes Course.

ANALYSIS:

Staff has negotiated terms with Watertronics for the Dunes Course, with a total project cost of \$290,983.00. This cost includes both the pump station and a composite enclosure that was not included in the previous pump station project, as well as all irrigation piping, electrical work and installation. The station will be custom built, therefore staff and Watertronics have negotiated a 25-percent down payment. Project completion is anticipated for November 1, 2021.

Although the main component of the pump station is the same as the Lakes Course project regarding total volume and horsepower of equipment, there are considerable differences between the 2 projects. The Lakes project was installed in an existing building and needed to be designed with smaller footprint and in multiple pieces to allow the equipment to fit through roof and into existing building. This is not possible with the Dunes pump station as it is being located on a completely new wet well and slab. This requires the support skid and entire station to be larger to house all components required and therefore has higher cost.

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Installing the pump station on a new site requires all new electrical components and wiring that was already present in the Lakes project. The new location also requires electrical engineered drawings to be provided to Florida Power and Light for permitting, along with all the other government paperwork and inspection fees that are required to obtain the permit. The new electrical system will also require new conduit and main incoming wiring. Additionally, the existing Dunes pump station will have to be disconnected and secured for safety.

As the Dunes station is being installed on a new location, it will require all new irrigation lines and isolation valves to tie into the existing mainline in two directions along with communication cable for the central irrigation. This piping is 16" diameter and will be installed 30" deep and requires large equipment to install. None of this material and labor were required on the Lakes project.

All interior building equipment for the Lakes project were already present including lighting, exhaust fans and receptacles. All of these items are new and have to be included in the new Dunes pump house enclosure, all subject to the new wind loads and not required for the Lakes project.

The Dunes project also includes a complete fertigation system including new pumps along with 2 x 1050 gallon fertilizer tanks; which was not included in the original Lakes project.

FUNDING:

Funding in the amount of \$290,983 for the project is budgeted and available in the Golf Course Fund/Dunes Course Pump Station account number 418-169000-21022.

RECOMMENDATION:

Staff recommends the Board waive the requirement for bids for replacement of the Dunes Course pump station and authorize the Purchasing Division to issue a Purchase Order to Watertronics in the amount of \$290,983.00 including a 25% down payment. Staff also recommends the Board authorize the Purchasing Manager to sign the Watertronics quotation after review and approval by the County Attorney as to form and legal sufficiency.

ATTACHMENT:

Watertronics Custom Pump System Quotation

APPROVED AGENDA ITEM FOR JULY 13, 2021