

INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM

CONSENT

TO: Jason E. Brown, County Administrator
THROUGH: Richard B. Szpyrka P.E., Public Works Director
FROM: W. Keith McCully, P.E., Stormwater Engineer
SUBJECT: **Approval of Work Order No. 30 with Kimley-Horn for Moorhen Marsh Low Energy Aquatic Plant System Structural Design**
DATE: December 26, 2019

DESCRIPTION AND CONDITIONS

On April 18, 2017, the Board of County Commissioners approved the purchase of an 18.03-acre parcel at the southeast corner of the intersection of the Indian River Farms Water Control District's Lateral "A" and North Relief Canals. A regional stormwater treatment facility that will use managed aquatic plants to remove nitrogen and phosphorus from North Relief Canal water will be constructed on the property. The project is part of the County's effort to reduce nutrient discharge into the Indian River Lagoon and is listed as CIRL-IRC-07 in the County's most recent Best Management Practice update submitted to Florida Department of Environmental Protection. A pilot plant study near the site was completed in February 2018 and final system design is nearing completion.

Specialized structural engineering services are necessary to complete the design and Work Order No. 30 addresses these issues. Specific services are listed in the attached Work Order.

The not-to-exceed lump sum professional services fee is \$118,000.00.

FUNDING

Funding is available from Optional Sales Tax/Public Works/CIP-Moorhen Marsh-PC North, Acct #31524338-066510-16018.

RECOMMENDATION

Staff recommends the Board of County Commissioners approve Work Order No. 30 with Kimley-Horn and authorize the Chairman to execute the Work Order on behalf of the County.

ATTACHMENTS

Work Order No. 30

DISTRIBUTION

Public Works Stormwater Division

APPROVED AGENDA ITEM FOR JANUARY 7, 2020