

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

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D. Albrey Arrington, Ph.D., Executive Director

MEMORANDUM

TO: D. Albrey Arrington, Ph.D.
Executive Director

FROM: Kris Dean, P.E.
Director of Engineering Services

DATE: August 13, 2015

SUBJECT: Director's Report - Engineering Division
August 2015 Board Meeting

Developer Projects

Staff were active on 10 Developer projects including the following activities.

Plan Review: Staff performed project plan reviews including the following.

Admiral's Cove Comfort Station: This project relocates the existing comfort station for Admiral's Cove West Golf Course and will abandon the existing septic tank and connect the comfort station to the District's collection system.

Sonoma Isles Residential: This project provides a gravity collection system and lift station to serve approximately 275 residential units and club facilities. This project was formerly known as Lakewood and Parcel 19.

Construction: Staff observed construction activities including the following.

Jonathan's Landing Golf Course Maintenance: This project installs new golf course maintenance facilities and includes relocation of the existing service and a recycle water system for the golf cart wash station.

Jupiter Motor Coach Resort Onsite: This project provides a private lift station and collection system to serve approximately 100 recreational vehicle hook-ups and

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community facilities. It will ultimately connect to the District via a 6" force main being installed as part of a separate project.

Jupiter Motor Coach Resort Offsite: This project extends the District's 6" force main from Jupiter Farms Shopping Plaza to the Jupiter Motor Coach Resort.

Institute for Healthy Living: This project provides a gravity collection system for the Institute for Healthy Living off Central Blvd. This project will connect to the District's existing Lift Station 250.

Ocean Breeze: This project provides a private gravity collection system and private lift station to serve 24 units on US 1 south of Marcinski Park.

Jupiter Country Club Pod D, Phase 1: This project provides a gravity collection system to serve 40 units in Jupiter Country Club and connects to Lift Station 292.

Sonoma Isles Commercial: This project provides a gravity collection system to serve the new commercial development at Sonoma Isles (fka Lakewood).

Final Completion: Staff completed one final inspection.

190 Ocean Drive: An extension to a low pressure force main to serve a single residential lot.

One Year Inspections: None

Capital Projects

Staff were active on 14 Capital projects including the following activities.

Design/Bid: Staff are currently in the design or bidding phase for the following projects.

General Maintenance/Repair Services for Wastewater and Reclaimed Water: Staff are working on a general services contract to use for small gravity system repair projects, paving and restoration.

Consultant Review: Staff performed reviews for the following projects.

Jupiter Inlet Colony Neighborhood Rehabilitation: This project provides a gravity collection system and lift station to serve the approximate 240 homes and town facilities located in Jupiter Inlet Colony.

Master Lift Station Rehabilitation Preliminary Engineering Report: This report looks at the final phase of rehabilitation for the Master Lift Station located just east of Pennock

Ln and Indiantown Rd. The project will include pump replacement, electrical system evaluation, piping modifications, bypass facilities, isolation valves and coatings.

Rolling Green Low Pressure System: A neighborhood sewerage project for 24 properties located on Rolling Green Rd west off Ellison Wilson Rd, just south of Bert Winters Park.

Alternate A1A Subaqueous Crossing Preliminary Engineering Report: This project looks at the replacement options and emergency bypass pumping plan for the 24" wastewater force main crossing the Loxahatchee River at Alternate A1A.

Loxahatchee River Road IQ Main Replacement: This project replaces the existing aerial crossing just north of the Eagles Nest development with a subaqueous directional drill.

LS021/Maplewood Drive Force Main Extension: This project provides an interconnection in the District's transmission system to allow additional redundancy for a portion of the District's collection system between Toney Penna and Indian Creek Parkway.

Construction: Staff provided construction inspection and engineering oversight for the following projects.

Little Oaks/River Oaks Gravity Collection System: This project installs a gravity collection system and lift station to serve a combined 71 lots in the Little Oaks and River Oaks developments off of Roebuck Road.

2015 Lift Station Rehabilitations: This project provides rehabilitation and upgrades to 6 existing District lift stations that are deficient.

Clark Lane Low Pressure Sewer System: This project provides low pressure sewer system to serve 8 lots on the north side of Old Jupiter Beach Road.

Ocean Cove Force Main Replacement: This project replaces an existing 6" AC force main and removes an existing 4" AC force main from Lift Station 85 to US 1. Two change orders were approved for this month to address additional grouting requirements and additional engineer fees. Both change orders were within the contingency amount.

Palmwood Low Pressure Sewer System: Project includes an extension to an existing low pressure force main to serve 6 lots on Palmwood Drive.

A1A Bike Lane Project: A Town of Jupiter project that expands the A1A between US 1 and Indiantown Rd. Various modifications to District infrastructure are included to accommodate the project.

Dubois Park Low Pressure Sewer System: This project provides low pressure sewer

services to the 3 remaining lots on Dubois Rd. Staff are coordinating with archeologists during excavation activities to ensure preservation of artifacts that may be in the construction area.

Final Completion: None

One Year Inspections: None

Construction

Staff were involved in various projects including the following activities.

Low Pressure Sewer System Upgrades: Staff worked on low pressure sewer system upgrades along US 1 and researched existing conditions on Merritt Way for a future project.

Signed,

Kris Dean, P.E.
Director of Engineering Services

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