

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: September 10, 2015

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

Developer Projects

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

Plan Review: Staff performed plan reviews and approvals and attended project coordination meetings for the following projects.

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.

Tanah Keeta: Staff attended a coordination meeting with Tanah Keeta representatives and their consultant to review requirements for the next proposed development in Tanah Keeta.

Construction: Staff performed construction inspections, shop drawing review, RFI responses and/or attended preconstruction meetings for the following projects.

Gordon M. Boggie
Board Member

Dr. Matt H. Rostock
Board Member

Stephen B. Rockoff
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Jupiter Motor Coach Resort Onsite: This project provides a private lift station and collection system to serve approximately 100 recreational vehicle hook-ups and community facilities. It will ultimately connect to the District via a 6” force main being installed as part of a separate project.

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 performed final completion activities to include final inspections, record drawings review and punch lists.

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

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.

One Year Inspections: None

Capital Projects

Staff were active on 13 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: An in-house project, staff are working on a general services contract to use for small gravity system repair projects, paving and restoration.

Consultant Projects:

Master Lift Station Rehabilitation Preliminary Engineering Report: Staff performed work authorization reviews for this project that 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: Staff performed plan, specification and permit reviews for this 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: Staff performed work authorization reviews for this project that 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: Staff performed plan, specification and permit reviews for this project that replaces the existing aerial crossing just north of the Eagles Nest development with a subaqueous directional drill.

Jupiter Inlet Colony Neighborhood Rehabilitation: Staff performed plan, specification and permit reviews and bidding assistance for this project that provides a gravity collection system and lift station to serve the approximate 240 homes and town facilities located in Jupiter Inlet Colony. This project's bid opening was on August 25, 2015. The Consultant is currently reviewing the bid.

Little Oaks/River Oaks Gravity Collection System: Staff coordinated with the engineering consultant, attended progress meetings and provided periodic site inspections for progress, construction materials and dewatering sampling for this project that 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.

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

2015 Lift Station Rehabilitations: This project provides rehabilitation and upgrades to 5 existing District lift stations that are deficient.

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

Riverside Improvement Area Gravity Sewer Rehabilitation: The project rehabilitates approximately 6,000 linear feet of 8 – 12" gravity mains and numerous services identified for repair.

Final Completion: Staff performed final completion activities to include final inspections, record drawing review, punch lists and FDEP certification for the following projects.

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.

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.

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.

One Year Inspections: None

Other Utility Projects

These projects include plan review, coordination and inspections associated with other utilities such as the Town of Jupiter, Village of Tequesta, Town of Juno Beach, Palm Beach County and Martin Co.

Church Street from Limestone Creek Rd to Central Blvd. (Palm Beach County): Staff reviewed plans and attended a coordination meeting with Palm Beach County to resolve various conflicts between the District's existing sewer and the proposed roadway improvements.

Pine Gardens South Drainage Improvements (Town of Jupiter): Staff reviewed plans and coordinated with the Town's consultant to resolve various conflicts between the District's sewer and the proposed drainage plans.

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

Jupiter North (Town of Jupiter): A project to replace existing water mains in portions of Jupiter north of the river. Staff are locating all sanitary service laterals and cleanouts in the area and coordinating with the Town to limit conflicts.

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.

Low Point Drains: Staff worked on permitting, material acquisition and construction of low point drains at the request of the Operations Department. When complete, two additional low point drains will be installed, one on Island Way and one on Riverside Drive. Both will add additional flexibility in the operation of the District's system north of the river.

LS162: To allow Collections to install larger bypass pumps during the planned rehabilitation of LS162 staff are installing a 4' barrel section and ring and lid on LS162's collection manhole.

Standards Updates

Lift Station Electrical and Control: Staff are currently working on revisions to the lift station electrical and control standards to address changing FDEP rule requirements

Signed,

Kris Dean, P.E.
Director of Engineering Services

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