

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: October 8, 2015

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

Developer Projects

Staff were active on 11 Developer projects including the following activities.

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

Halfway House Admiral's Cove Golf Village: This project expands the existing halfway house located near the Admiral's Cove West Club House.

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.

Barcelona Commercial: The project provides development consisting of medical, office, retail and restaurant space with connection to the existing gravity system completed last year to service Barcelona.

Love St: The project develops the property north of A1A and west of Love St. It will include commercial, retail and restaurant space with connection to the existing LS 094 collection system.

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

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

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.

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.

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

Windsor Park North and West: Abandonment of services and installation of new services to accommodate revised development in the area.

Final Completion: Staff performed final completion activities to include final inspections, record drawings review and punch lists.

One Year Inspections: Staff performed one year inspections to identify work to be completed under warranty for the following projects.

Jupiter Medical Center Bed Tower Addition: This project provided gravity collection system to serve a new facility at Jupiter Medical Center

Barcelona Apartments: This project provided a gravity collection system to LS 019 to serve approximate 350 units west of Military Trail and south of Indiantown Rd.

Bristol Way Low Pressure Sewer Systems: This project provide a low pressure sewer system to the 3 remaining un-sewered lots on Bristol Way.

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.

Lift Station Rehabilitations for 2016: Staff worked with the Operations Department to complete 3 lift station inspections in an effort to identify specific work to be completed as

part of the 2016 lift station rehabilitations.

Consultant Projects:

Master Lift Station Rehabilitation Preliminary Engineering Report: Staff attended the kick-off meeting and are coordinating with the consultant for recording flow and pressure at the Master Lift Station. This project 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 attended the preconstruction meeting and assisted in field investigations prior to actual construction activities. This project is 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: Staff attended the kick-off meeting and are coordinating with the consultant for recording pressure data on the existing 24" force main. 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: Staff are coordinating with the consultant to resolve permitting requests from Palm Beach County Land Development. This project replaces the existing aerial crossing just north of the Eagles Nest development with a subaqueous directional drill.

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. This project's bid opening was on August 25, 2015. Please see Tab 6C for further details.

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.

Maplewood Drive Force Main: Staff performed plan, specification and permit reviews for this project that installs a new back up force main from LS 21 to the force main in Indian Creek Parkway.

Jupiter Plantation Force Main Replacement: Staff performed plan, specification and permit reviews for this project that replaces the existing force main from LS 13 in Jupiter

Plantation to the gravity collection system in Center St.

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.

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.

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

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.

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.

Jupiter North (Town of Jupiter): Staff are working to raise and repair buried and/or damaged cleanouts identified during investigations/locations for the Town of Jupiter.

IQ Point of Connections: Staff upgraded 5 IQ point of connections in Abacoa in coordination with the Operations Department.

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.

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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