

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: January 14, 2016

SUBJECT: Director's Report - Engineering Division
January 2016 Board Meeting

Developer Projects

Staff were active on 9 Developer projects including the following activities.

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

Pennock Preserve Phase II/III: A new development on Island Way North. This project will ultimately include 93 residential homes and include a gravity sewer collection system, lift station and force main with connection to the 8" force main installed along Island Way North in 2014.

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

Inlet Plaza: This project provides gravity services with connections to an existing gravity system for the new Inlet Plaza Development. Grease traps to serve permitted restaurant space are also being installed.

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.

Jonathan Dickenson State Park: This project provides modifications to the River Campground for bath houses. This system is private, however staff will perform inspections to ensure compliance with District standards.

Final Completion: Staff performed final completion activities to include final inspections, record

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

drawings review and punch lists.

Admiral's Cove West Comfort Station: This project provides a commercial duplex grinder system for a new comfort station at the Admiral's Cove West golf course.

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

Jupiter Country Club Pod D (Phase 1): This project provides the first phase of the gravity sewer system to serve 40 residential lots in Jupiter Country Club.

One Year Inspections:

Mangrove Bay: This project provided service connections to an existing gravity system for the Mangrove Bay development.

Abacoa Town Center Phase IV: This project provided a gravity collection system for a new development in Abacoa.

Capital Projects

Staff were active on 15 Capital projects including the following activities.

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

Lift Station Rehabilitations for 2016: This project bid on January 12, 2016. A recommendation of award is included in Tab 5L.

Merritt Way Low Pressure Service Upgrades: Staff have completed the design of low pressure service upgrades for Merritt Way. Once materials have arrived in-house construction will complete the project.

County Line Rd: Staff are working on the design for low pressure sewer systems to serve various residences on Harken Terrace, Whispering Pines Trail, Linden Street, Pine Grove Street and County Line Rd as part of the Neighborhood Septic Tank Conversion to Sewering Program (See Tabs 5C, D, E, F, G and H).

Hibiscus Avenue: Staff are coordinating with a surveyor for topographic survey of the area in preparation of a gravity sewer design to serve the remaining 8 lots.

Lift Station # 6 Rehabilitation: Staff have obtained the necessary easements and are beginning design to provide better access to the station.

Consultant Projects:

Master Lift Station Rehabilitation Preliminary Engineering Report: Staff coordinated with the consultant for flow and pressure measurements. 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.

Alternate AIA Subaqueous Crossing Preliminary Engineering Report: Staff coordinated with the consultant for pressure measurements. 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: The consultant is working with ACOE for permitting. 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. Construction is anticipated to begin in April 2016.

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. This project is currently out to bid.

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. This project is currently in permitting with PBC Land Development

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

Cleaning, TV Inspection and Lining Services: The contractor is scheduled to begin TV Inspection of the gravity collection systems for Lift Stations 57, 58, 62, 65, 66, 68, 94 and 97 this month.

Final Completion:

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

Rolling Green Low Pressure System: Staff completed final field inspections and resident coordination during 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.

One Year Inspections: Staff performed one year warranty inspections on the following projects.

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.

Jupiter Park Drive: this is a Town of Jupiter right of way improvement project that installs sidewalks along portions of Jupiter Park Drive. Staff are coordinating with the Town to avoid existing force mains in the right of way.

Donald Ross Rd Improvements: A road way improvement project between I-95 and Military on Donald Ross.

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.

Lift Stations 57, 58, 62, 65, 66, 68, 94 and 97: Staff are systematically working in these areas to locate or install right of way clean outs in coordination with upcoming TV inspections.

Standards Updates

The January 2016 Manual of Minimum Construction Standards and Technical Specifications has been published. See Tab 6D for details.

Signed,

Kris Dean, P.E.
Director of Engineering Services

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