

# 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: February 10, 2016

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

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### Developer Projects

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

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

*Sonoma Isles Residential Phase 1 & 2:* 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 drawings review and punch lists.

*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.

Stephen B. Rockoff  
Board Member

Dr. Matt H. Rostock  
Board Member

Gordon M. Boggie  
Chairman

Harvey M. Silverman  
Board Member

James D. Snyder  
Board Member

## 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.

*Merritt Way Low Pressure Service Upgrades:* Staff are scheduled to begin construction of this project in March and should complete the project in April.

*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 working on the gravity sewer design.

*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 analysis. 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 A1A Subaqueous Crossing Preliminary Engineering Report:* The consultant submitted a draft bypass plan and met with staff to review options. 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 73 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.

### **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 (Beacon St. and surrounding area):* 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.

*Pine Gardens South:* A Town of Jupiter project that provides storm system upgrades in the Pine Gardens South development.

### **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.

Signed,

Kris Dean, P.E.  
Director of Engineering Services

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