

# 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: May 16, 2016

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

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### Developer Projects

Staff were active on 12 Developer projects including the following activities.

Plan Review: Staff performed plan reviews for the following projects.

*Els Center of Excellence Phase 2:* The second phase of Els Center for Excellence, a school for children and adults with autism.

*Pennock Preserve Phase 2 and 3:* A new development on Island Way North. This project will ultimately serve 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 reconstruction meetings for the following projects.

*Sonoma Isles Residential Phase 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.

*Pennock Preserve PUD Phase 1:* This project connects Pennock Preserve to the existing Prada development and provides a gravity sewer system to 8 of the 16 residential lots.

*Innovation Way:* A right of way project in Abacoa on the west side of Institute for Healthy Living.

*Jupiter Country Club Pod D (Phase 2):* This project provides the second phase of the gravity sewer system to serve 40 residential lots in Jupiter Country Club.

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Board Member

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*Windsor Park North Phase 1D:* A gravity system to serve lots 40-47 where the Windsor Park Sales Center complex was previously located.

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

*Boyd Medical Building:* This project included lining of existing clay gravity mains adjacent to the developed property.

*Sonoma Isles Residential Phase 1:* 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.

*Braman Motor Cars:* A gravity system and oil/sand separators to serve the expanded facilities at Braman Motor Cars on Indiantown Road.

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

*Preserve at Juno:* This project provided a gravity collection system with two lift stations to serve 29 residential lots off of US 1.

## **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.

*Hylands Terrace (formerly reported as County Line Rd):* Staff have completed 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.

*Hibiscus Avenue:* This project is currently out to Bid. Bids are due on May 30, 2016

*Lift Station # 6 Rehabilitation:* The project provides parking, landscaping and station upgrades.

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

*Lift Station Rehabilitations for 2016:* This project includes rehabilitation of 3 lift stations.

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

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

*Turtle Creek:* Staff performed preliminary plan reviews for this project that provides gravity sewers for Phase 1 of Turtle Creek Drive.

*Whispering Trails PDR:* Staff coordinated with the engineering consultant on the preliminary design for Whispering Trails to determine conceptual layouts and cost estimated for gravity and low pressure sewer systems.

### **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.

*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.

*Jupiter River Estates:* A Town of Jupiter re-paving project in the Jupiter River Estates development.

*A1A Bike Lane Project: A Town of Jupiter right of way improvement project on A1A south from US 1.*

## **Construction**

Staff were involved in various projects including the following activities.

*LS 114:* Staff installed a new 12” influent line drop in LS 114 to facilitate operating the station as a re-pump station.



*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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