

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: March 08, 2016

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

Developer Projects

Staff were active on 6 Developer projects including the following activities.

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

Barcelona Commercial: Commercial and retail development adjacent to Barcelona Residential south of Toney Penna Dr on Military Trail.

Bella Villagio: Residential development on County Line Rd just west of US 1. This project provides a gravity collection system to serve 16 townhomes.

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.

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.

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

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

Jupiter/Palm Beach 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 installed as part of a separate project.

Capital Projects

Staff were active on 17 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 was awarded at last month's board meeting. The NTP and preconstruction meeting are tentatively scheduled for later this month.

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

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. The project is currently in permitting with the FDEP and Martin County.

Hibiscus Avenue: Staff are working on the gravity sewer design.

Lift Station # 6 Rehabilitation: Design is complete and the project is currently in permitting with the Town of Jupiter.

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

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.

Clark Lane Phase 2: Construction of a low pressure sewer system to serve the final 4 lots on Clark Lane.

N. Riverside Drive: Construction of a low pressure sewer system to serve 4 lots on N. Riverside Drive.

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

Quail Run: A neighborhood conversion project completed last year to serve 8 residential lots off of Roebuck Rd.

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.

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.

Clarifier 1: Staff removed a blockage in the influent pipe to Clarifier 1. Now that the influent is open Operations Staff are making modifications to the unit to allow easier cleaning and maintenance in the future.



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.

A1A Bike Lane Project: A Town of Jupiter project on A1A between US 1 and Indiantown Rd. Construction staff worked ahead of the Town's paving contractor to replace damaged and deteriorated manhole frame and covers.

Miscellaneous

On March 1, 2016 Low Pressure Pump Station No. 1100 was placed in service.



Signed,

Kris Dean, P.E.
Director of Engineering Services

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