

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



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: June 9, 2016

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

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.

Sonoma Isles Residential Phase 2B: This project provides a gravity collection system to serve approximately 41 residential units in the Sonoma Isles development.

Walmart: This project includes a revised gravity service installation to serve restrooms located at the front of the store.

Chabad: A religious facility located just off Military on University. This project includes landscaping associated with an existing lift station.

Construction: Staff performed construction inspections, shop drawing review, RFI responses and/or attended preconstruction 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.

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

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.

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

Bluffs Marina: This project includes a private lift station and force main with connection to District facilities to serve the marina.

Sonoma Isles CVS: This project includes connection to District facilities recently installed as part of Sonoma Isles Commercial.

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

None

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

Villa Diamante: A gravity collection system for a residential development off of Old Jupiter Beach Rd.

Walmart: Relocated gravity system to accommodate the expansion of Walmart on Indiantown Rd.

Jupiter Country Club Pod D Phase 3: A gravity collection system to serve portions of Jupiter Country Club located west of the Turnpike and south of Indiantown Road.

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.

Hibiscus Avenue: Two bids were received on May 30, 2016. The apparent low did not meet qualifications and the second bid was 193% of the engineer's estimate. Both bids are recommended for rejection. The project is planned for re-advertising in late June with revisions to the schedule intended to address low bidder participation.

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 recommend pump replacement, electrical system evaluation, piping modifications, bypass facilities, isolation valves and coatings, which will be completed at a later date.

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: 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. Preliminary construction activities are beginning to occur and should continue through June with major work including wet well installation and water main installation beginning in July.

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 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. This project reached Substantial Completion on April 24, 2016 and was released for use by the PBCCHD on March 16, 2016.

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.

Alternate A1A/Damon Bridge Water Main Replacement and Force Main Installation: Staff performed plan reviews on the Town of Jupiter plans which include installation of a new 16" force main on the Damon Bridge to replace the existing 24" force main subaqueous crossing of

the Loxahatchee River.

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

North Jupiter Water Main Improvements: A Town of Jupiter project to replace AC water mains in the north Jupiter area.

Construction

Staff were involved in various projects including the following activities.

LS 105 and 16: Staff performed investigations and temporary repairs to ensure stations are serviceable for the near future.

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

/KD