

MEMORANDUM

TO: Albrej Arrington, Ph.D. / Loxahatchee River District

COPY: Clint Yerkes / Loxahatchee River District
Tom Vaughn / Loxahatchee River District
John Koroshec / Hazen and Sawyer
Felipe Martinez / Hazen and Sawyer

FROM: Albert Muniz / Hazen and Sawyer

DATE: June 9, 2015

FILE: 42009-012.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through April 2015

The following is a summary of work performed by Hazen and Sawyer, P.C. (H&S) on Loxahatchee River District (LRD) projects through the above referenced date.

Groundwater Monitor Wells – This project consist of construction of eleven new shallow monitor wells as part of the Wastewater Treatment Facility reuse monitoring system and as required by the new operating permit. The new monitor wells are needed to address FDEP's current position on proximity to the respective recharge lakes (i.e., located within 100 feet of lake), and screening through the water table interface. In addition to construction of new wells, the project also includes plugging and abandonment 34 existing wells. The new monitoring program will allow the LRD comply with FDEP's permit requirements and significantly reduce the amount of sampling required for compliance.

Monthly Progress

- A letter report documenting the work completed as per the permit was submitted in draft format to the FDEP on April 27, 2015
- A copy of the draft was also provided to the LRD on April 26, 2015
- FDEP has had no comments on the report so a final version will be submitted by the end of June which will signify completion of the project

General Operational Assistance – This project involves providing LRD with engineering assistance related to wastewater operations.

Monthly Progress

- LRD staff and H&S personnel continue to communicate to discuss plant operations
- The wastewater treatment process is operating well

Deep Bed Sand Filters – Final Design and Construction Management Services – The existing traveling bridge filters and filter structure have served the LRD wastewater treatment facility for over 20 years and are in need of significant rehabilitation and repair. In lieu of repair and replacement, it is the LRD staff's desire to replace the filters with deep bed sand filters. Deep bed filters offer additional benefits over traveling bridge filters including de-nitrification capabilities as well as proven performance during plant upset conditions. A Preliminary Design Report for construction of the deep bed filters was prepared and submitted to the LRD in March 2014. This PDR provides a conceptual design and layout of the filtration system and concluded the first part of the overall design phase. The next phase will be final design. This portion of the project was initiated with approval of the design and construction phase services task order by the Board during the April 2014 Board Meeting. The approved task order includes final design and construction phase services.

Monthly Progress

- Palm Beach County Planning, Zoning and Building Dept. Zoning Division site plan revision approval was obtained on May 15, 2015
- Building Department permit application packages were submitted to Palm Beach County on June 4, 2015. It is anticipated that the Building Department permit review process will be completed in July

As always, please feel free to contact us should you have any questions or need to discuss the progress of any of the above projects in more detail.



May 2015 WGI MONTHLY PROGRESS REPORT

Project Title Ocean Cove Force Main

Project Number(s) LRD P.O. No.: 47357
WGI No: 40910986.06

WGI Project Manager James W. Richie, PE

① **Work Completed This Month**

- Respond to residents and coordinate damage claims
- Pay Application 1 (resolved comments from last month; approved)
- Review geotechnical reports and as-built survey
- Health Department certification and release

② **Anticipated Work Next Month**

- Substantial and Final Completion
- Final Pay Application
- Progress Meeting 3 (if needed)

③ **Services Anticipated After Next Month**

- None

④ **Critical Issues (Milestones)**

- Reached limit of WGI construction services fee

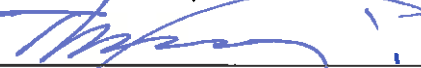
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**LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
ENGINEER'S MONTHLY STATUS REPORT THRU May 29, 2015**

JUPITER INLET COLONY NEIGHBORHOOD REHABILITATION

- Coordination with HRS for issuance of Water and Sewer Permit.
- Commenced with bringing plans up to 100% complete.
- Received comments from SFWMD on the Drainage Application and commenced with addressing their comments.
- Received comments from SFWMD on the Dewatering Application and commenced with addressing their comments.
- Meetings with District on the Colony's irrigation wells and development of a Letter to Residents addressing this issue.
- Meetings with Mayor and adjacent condo's conceptual entrance road layout.

ARCADIS US, Inc.



Thomas C. Jensen, PE
Vice President



HOLTZ CONSULTING ENGINEERS, INC.
50 South U.S. Highway One, Suite 206, Jupiter, FL 33477 (561) 575 2005

MEMORANDUM

To: Clint Yerkes, Deputy Director, Loxahatchee River Environmental Control District

From: Christine Miranda, PE
Holtz Consulting Engineers, Inc.

Date: June 11, 2015

Subject: **Loxahatchee River Environmental Control District Monthly Status Report**

The following is a summary of work performed by Holtz Consulting Engineers, Inc. (HCE) on Loxahatchee River District projects through June 11, 2015:

Rolling Green Road Low Pressure Force Main

- The 90% Design Submittal, including plans, specifications, and permit application forms was submitted to staff on June 11, 2015.
- Once the permit application forms are executed and application fees are received, permit application packages will be submitted to the Palm Beach County Health Department and Palm Beach County Engineering Department.

Loxahatchee River Road Reclaimed Water Main Replacement

- The 30% Design Submittal and Engineers Opinion of Probable Construction Cost was submitted to staff on May 15, 2015.
- A review meeting was held on May 28, 2015 to review the comments on the 30% submittal.
- An interim submittal showing the bore profile for the horizontal directional drill was submitted to staff on June 11, 2015.
- The 90% Design Submittal is anticipated to be submitted to staff for review and comment by July 2, 2015.

Jupiter Plantation Lift Station #13 Force Main Replacement

- The project was authorized on June 5, 2015.
- HCE has coordinated with Lidberg Land Surveying for survey and utility locates for the project.
- HCE has coordinated with Anderson Andre Consulting Engineers for the geotechnical investigation for the project.
- Survey and geotechnical services will be completed by July 17, 2015.
- The 30% Design Submittal and Engineers Opinion of Probable Construction Cost will be submitted to staff by August 14, 2015.



*Loxahatchee River Environmental Control District
Monthly Status Report
June 10, 2015*

Submitted To: Clinton Yerkes, Deputy Director

The following is a summary of work performed by Mathews Consulting, Inc. (MC) on District projects through June 10, 2015.

Little Oaks / River Oaks Neighborhood Sewering

MC completed the preparation of the Bid Documents. The project was advertised for bid on May 10, 2015. A Pre-Bid Meeting was held on May 21, 2015. One addendum was issued for the project. The bids were opened on June 9, 2015. MC is currently reviewing the bids submitted by the Contractors.

Respectfully Submitted by:

MATHEWS CONSULTING, INC.

Rene L. Mathews, P.E.
President