

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: September 10, 2015

FILE: 42009-012.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through August 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.

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 continues to operate well
- A task order for conducting the periodical 5-year Mechanical Integrity Test (MIT) was submitted for approval. It is anticipated that a P.O. will be issued in October to commence this work. Testing must be completed by May 31, 2016.

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. H&S has monitored the progress of the Building Department permit application review process and provided additional information when requested. Permitting for this application has been completed and applicable comments have been incorporated into the bid set contract documents
- H&S revised the front end documents to incorporate Board attorney comments
- The project was advertised on August 16, 2015. Bid opening is scheduled for October 29, 2015.

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.



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

Little Oaks / River Oaks Neighborhood Sewering

The Construction Contract was awarded to Foster Marine Contractors in the amount of \$1,548,615. NTP was issued to the Contractor on 7-20-15. The Substantial Completion date is 2-10-16 and the final completion date is 4-15-16. MC attended the pre-construction meeting, reviewed shop drawings, responded to RFI's, coordinated construction activities with the District, Contractor and PBC, and provided resident inspection services.

A resident meeting was held on 8-5-15.

Respectfully Submitted by:

MATHEWS CONSULTING, INC.

Rene L. Mathews, P.E.
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: September 10, 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 September 10, 2015:

Rolling Green Road Low Pressure Force Main

- The bid opening was held on August 18, 2015. One bid was accepted for the project from the Lazarus Group, Inc. for \$105,777.00.
- On August 20, 2015 the contract was awarded to Lazarus Group, Inc. for \$105,777.00.
- The preconstruction meeting is scheduled for Monday, September 14, 2015 at 3 pm.

Loxahatchee River Road Reclaimed Water Main Replacement

- We are currently working through permitting response comments from Palm Beach County Engineering and the Florida Department of Environmental Protection. A submerged land lease is required for the project and Lidberg Land Surveying is in the process of preparing the required survey for the easement documents.
- A response letter to the Army Corps of Engineers was submitted on September 2, 2015. We anticipate no additional comments.
- Upon notice from Palm Beach County Engineering that they are satisfied with the response to their review comments, the final engineering plans, contract documents and technical specifications, and engineer's estimate of probable construction cost will be transmitted to staff.

Jupiter Plantation Lift Station #13 Force Main Replacement

- The 30% Design Submittal and Engineers Opinion of Probable Construction Cost was submitted to staff and a meeting was held on August 31, 2015 to go over the review comments.
- Comments on the 30% design submittal are currently being addressed. The 90% design submittal will be submitted to staff by October 12, 2015.

Maplewood Lift Station #21 Force Main Extension

- The 30% Design Submittal and Engineers Opinion of Probable Construction Cost was submitted to staff on August 31, 2015.