

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: October 6, 2015

FILE: 42009-012.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through September 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 on an as needed basis. The wastewater treatment process continues to perform 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. Applicable comments were incorporated into the contract documents prior to bid advertising
- H&S revised the front end documents to incorporate Board attorney comments
- The project was advertised on August 16, 2015
- A mandatory pre-bid conference was held on September 29, 2015
- It is anticipated that Addendum No. 1 will be issued to all planholders by October 8, 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
October 8, 2015*

Submitted To: Clinton Yerkes, Deputy Director

The following is a summary of work performed by Mathews Consulting, Inc. (MC) on District projects through October 8, 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 monthly meeting, reviewed shop drawings, responded to RFI's, coordinated construction activities with the District, Contractor and PBC, and provided resident inspection services.

Alternate A1A Subaqueous Forcemain Study

A kick-off meeting was held with the District on 9-18-15. MC completed preparing the Base Drawings; conducted a field reconnaissance of the pipeline corridor on both sides of the bridge; completed photographic log walk-thru of the project; and completed Utility coordination.

Master Lift Station #1 Rehabilitation

MC coordinated with the Meter Subcontractor to install a temporary flow meter on the 30-inch aerial crossing at Jupiter Creek. The temporary flow meter is currently scheduled for removal the week of October 12, 2015. MC began preliminary evaluation of the pump station operations data provided by the District.

Respectfully Submitted by:

MATHEWS CONSULTING, INC.

A handwritten signature in black ink that reads 'Rene L. Mathews'.

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: October 8, 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 October 8, 2015:

Rolling Green Road Low Pressure Force Main

- We have reviewed all submittals and shop drawings provided by the Contractor, Lazarus Group, Inc.
- The pre-construction video has been completed and reviewed.
- Potholing to determine location and depth of existing utilities has been performed.
- The Maintenance of Traffic has been submitted and approved and Palm Beach County Engineering has activated the Right-of-Way permit.
- The Contractor is scheduled to mobilize and start construction on Monday, October 12, 2015.

Loxahatchee River Road Reclaimed Water Main Replacement

- We are still 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. Lidberg should have the survey completed and submitted to us by October 12, 2015.
- The Army Corps of Engineers has approved the project and have issued a General Permit.
- 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 90% plans are currently being finalized. The 90% design submittal will be submitted to staff during the week of October 12, 2015.
- Permit applications to the applicable agencies will be submitted at the same time as the 90% submittal.

Maplewood Lift Station #21 Force Main Extension

- Comments on the 30% submittal were received on September 30, 2015.
- Comments on the 30% design submittal are currently being addressed. The 90% design submittal will be submitted to staff by October 28, 2015.