

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: March 11, 2015

FILE: 42009-012.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through February 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 contract with local well drilling contractor has been executed. All Webb's Enterprises will be constructing the new wells as well as the plugging and abandonment of the existing wells
- Site visits were performed with the drilling contractor and LRD staff to each of the new well locations. Wells were staked and marked with assistance from each of the golf course superintendents. The drilling contractor will call for utility locates
- Permitting for construction of the new wells is underway with permit anticipated within a few days
- Permitting for plugging and abandonment of the old wells is also underway
- As discussed with the golf course superintendents, work will be performed to minimize interference with daily activities. Construction will occur in the afternoon at some sites to avoid conflicts with quests
- It is anticipated that work will be completed within a few weeks

- FDEP is aware of the proposed schedule and is being updated as work is completed

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

- The 90% complete design documents were submitted to the LRD on Friday, March 6, 2015
- The updated anticipated construction schedule and opinion of probable construction cost estimate based upon the 90% design completion documents will be submitted to the LRD by March 12, 2015
- A review meeting will be held with LRD staff to discuss comments on the 90% complete design documents. H&S will incorporate comments and submit the final set of contract documents for bidding
- Permitting of the project is ongoing:
 - The permit process for both the FDEP Environmental Resource Permit (ERP) and FDEP construction permit were initiated. H&S has received confirmation from FDEP that an ERP will not be required for the project. H&S also anticipates submittal of the FDEP construction permit application package on March 13, 2015.
 - H&S initiated the Palm Beach County Building Department building permit application and drawing review process during the week of March 9, 2015. It is the intent to submit the application, complete the drawing review process by the Building Department and address comments / requirements identified by the Building Department prior to proceeding with advertising and bidding of the design documents.

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.



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: March 12, 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 March 12, 2015:

Rolling Green Road Low Pressure Force Main

- The project was authorized on February 25, 2015.
- HCE has coordinated with Lidberg Land Surveying for survey and utility locates for the project.
- Survey will be completed by April 1st, 2015.
- 30% Design Submittal and Engineers Opinion of Probable Construction Cost will be submitted to staff by April 22, 2015.



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

Set-N-Sun Neighborhood Sewering

This project was bid on 12-4-14. Three bids were received. MC recommended award of the Construction Contract to the Lazarus Group in the amount of \$98,402. MC provided the District with the Conformed Construction documents. MC is currently waiting for the Public Meeting to be scheduled.

Little Oaks / River Oaks Neighborhood Sewering

MC submitted the 75% Design package to the District on 2-5-15. The soil borings and soft digs in the project area have been completed and the information is shown on the 75% plans. A 75% design review meeting was held on 3-3-15. Based on the District's comments made at the meeting, MC began preparing the Construction Documents and permits.

Respectfully Submitted by:

MATHEWS CONSULTING, INC.

Rene L. Mathews, P.E.
President



February 2015 WGI MONTHLY PROGRESS REPORT

Project Title Ocean Cove Force Main

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

WGI Project Manager WGI No: 40910986.06
James W. Richie, PE

① Work Completed This Month

- Submittals (in progress)

② Anticipated Work Next Month

- Complete submittals
- Begin construction

③ Services Anticipated After Next Month

- Construction phase

④ Critical Issues (Milestones)


- Begin construction.

☞ WE APPRECIATE THE OPPORTUNITY TO SERVE YOU! ☞

Memorandum

Date: March 11, 2015

To: Dr. D. Albrey Arrington, Executive Director
Loxahatchee River District

From: Lawrence A. Lardieri, P.E. 

Subject: March 2015 Monthly Report

Project: Turtle Creek Area Sanitary Sewer PER

This memorandum is a synopsis of the activities by AECOM Technical Services, Inc. on the subject project through Wednesday, March 11, 2015.

- ✚ Preparation of the draft PER document was completed, including incorporation of input and comments from LRD staff related to the two alternatives and the preliminary engineers opinion of probable construction costs (EPOPCC) for the two alternatives.
- ✚ A copy of the draft PER document was provided to LRD staff for review and comment.
- ✚ AECOM is awaiting receipt of LRD staff comments on the draft PER document. Once staff has completed their review of the document, we will set up a meeting to discuss the comments relative to finalizing the PER.
- ✚ AECOM coordinated with District staff regarding the project as necessary.

End of Report