



South Indian River Water Control District™

Established 1923

BOARD OF SUPERVISORS MEETING

May 16, 2019 – 7:00 p.m.
Jupiter High School – Media Room
500 N. Military Trail, Jupiter, FL 33458

BOARD MEETING AGENDA

1. Pledge of Allegiance
2. Consent Agenda
 - A. Approval of Minutes of Previous Meeting
 - B. Approval of Warrant List
3. Public Information Report
4. Treasurer's Report
5. Manager of Operations Report
6. Engineer's Report
7. Attorney's Report
8. Old business
 - A. Presentation of Summary of Budget Committee Meeting from 5/7/2019
 - B. Discuss Direct Discharge into District's Secondary Drainage System
9. New Business
10. Landowners' Items
11. Adjourn

A Florida Special District

15600 Jupiter Farms Road • Jupiter, Florida 33478-9399 • (561) 747-0550 • Fax (561) 747-9182

www.sirwcd.org • sirwcd@sirwcd.org



**DICK GRUENWALD
ASSOCIATES, LLC**

**TO: Board of Supervisors
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates
DISTRICT PUBLIC INFORMATION SPECIALISTS**

SUBJECT: Monthly Report – May 2019

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (*May 16*) release

The following items were updated or added to the website:

- ❖ Monthly meeting (*Feb. 21*) minutes
- ❖ Meeting updates
- ❖ Budget Committee meeting (*May 7*)
- ❖ Holly Rigsby 10-year anniversary
- ❖ Arie Raz 20-year anniversary
- ❖ A thank you to Mike Dillon from landowner Mike Clark
- ❖ May Meeting Agenda and staff reports

Attended Monthly Meeting (*Apr. 18*), and Staff Meeting (*May 6*).

Photos from Landowners Family Day were sent to The Jupiter Farmer.

We attended a webinar (*Apr. 23*) that concentrated on reviewing websites for ADA compliance including creating compliant word documents and PDF's. Terry Lewis is preparing some additional information for District compliance. We continue to work on the preparation to revise and recreate the District website to create a new ADA compliant site on a new platform with a firm that has ADA expertise. This is a large undertaking, especially as we continually must update information on our existing site. We will continue to see where we can combine or eliminate unnecessary pages and repetitive information and remove information that is problematic for ADA readability in order to keep costs within current budget. We do have the ADA statement on the existing website that we are creating a new site and will provide any content to those who may not currently be able to access particular information.

Due to recommendations by our web mail service, because of increases in spoofing and spamming we changed e-mail passwords. However, there have still been some issues and we may recommend a change in e-mail service.

The District office and staff continue to review and update the District's Policy & Procedures Manual. Initial revisions by staff to Chapters 1-6 and associated Appendices are currently being incorporated into the manual and a second review is being conducted by staff. The District Engineer is reviewing chapters 7-9. The Procurement policy is also being updated and will be incorporated into the manual.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.



South Indian River Water Control District™

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MEMORANDUM

TO: Board of Supervisors
FROM: Manager of Operations
SUBJECT: Manager's Report for April 13, 2019 to May 10, 2019
DATE: May 10, 2019

ADMINISTRATIVE

1. Conducted monthly review of District canals with Aquatic Weed Spray Contractor.
2. On-site meetings and phone conversations with Landowners regarding drainage, road conditions, and driveway culvert installations.
3. Attended Loxahatchee River Preservation Initiative meeting at the Town of Jupiter EOC.
4. Attended Loxahatchee River Reasonable Assurance Plan meeting at the Jupiter Community Center.
5. Conference calls with Town of Jupiter and South Florida Water Management District related to the chemical spill along the SFWMD C-18.
6. Attended Staff meeting.
7. Worked with District Treasurer and Office Administrator on 2019-2020 Budget.
8. Received \$2,645 for monthly Verizon cell tower lease.
9. Attended Loxahatchee River Watershed Restoration Project presented by the U.S. Army Corps of Engineers.
10. Attended District Budget Committee meetings.
11. Meeting with Flagler Equipment to review new maintenance and security options for District equipment.
12. Meeting with Contractors to discuss improvements on existing District Work Center.

MEMORANDUM

To: Board of Supervisors

Date: May 10, 2019

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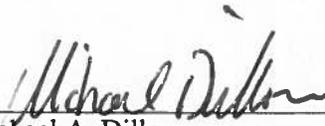
13. Meeting with District Engineers and Contractors to review District's Storm Debris Removal and Disposal Contract.
14. Received quarterly payment of \$9,250.00 from Palm Beach County for mowing maintenance on County Roads.
15. Philip Walton hired as Level 1 operator.
16. Conference calls with Palm Beach County regarding shortage of channel posts and hardware for Stop/Street signs for the District.

WATER CONTROL

1. Received 8.51 inches of rain this reporting period.
2. District crews prepared swales for two new construction culvert installations followed by inspections. Crews also installed 30 driveway culverts and one temporary culvert.
3. Terra Tech continues canal spraying for aquatic weed control.
4. District crews continue to re-contour drainage outfalls and swales throughout the District.

ROAD MAINTENANCE

1. Operators continue to re-contour roads throughout the District.
2. On-site meetings with AECOM Inspector to review 175th Rd paving and sod installation.
3. Wynn & Sons restore asphalt over box culvert along 176th Rd to complete project.



Michael A. Dillon
Manager of Operations

To South Indian River Water Control District (SIRWCD)
Board of Supervisors Pages 4

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Subject Engineer's Report for May

From Amy E. Eason, PE, District Engineer

Board Meeting
Date May 16, 2019

The following is a summary of activities and communications that were of significance during the month of May. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016. On December 14, 2016 and on April 14, 2017, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 2.3 miles):

- 76th Trail N between 160th Lane N and 162nd Court N
- 76th Trail N. between 163rd Court N. and 165th Street N.
- 78th Drive N. between 165th Street N. and 167th Court N.
- 154th Court N. between 75th Avenue N. and 81st Terrace N.
- 159th Court N. between 78th Drive N. and 83rd Way N.
- 160th Street N. between 72nd Drive N. and 75th Avenue N. and 72nd Drive N. from 160th Street N. to 160th Lane N.
- 175th Road N. between Jupiter Farms Road and West End

The project was advertised to bid on April 15, 2018 with bids submitted by potential contractors on May 15, 2018. Bids were received on May 15, 2018, and the project was awarded to Rosso Site Development at the May 17, 2018 board meeting. A pre-construction meeting was held on June 21, 2018. Project construction started on July 9, 2018. Due to the culvert replacement on 175th, the project has been delayed. **Construction is substantially complete and the contractor is working on punch list items.**

II. OPERATION AND MAINTENANCE

A. The National Pollutant Discharge Elimination System (NPDES) Steering Committee's next steering committee meeting is May 15, 2019. **The subject of the meeting is Total Maximum Daily Load (TMDL) and Pollutant Loading Updates. On May 22**

and 23, a Stormwater Sediment & Erosion Control Inspector Training Seminar is scheduled.

- B. At the October 2018 board meeting, staff presented the budget for the construction of an addition to the District's workshop located at the District Office. This workshop is a 60 feet by 60 feet Steel Building addition to the property. Staff worked with a surveyor to survey the property for site plan development for the building permits. Staff negotiated with two potential contractors and awarded the contract to West Construction. West Construction was given Notice to Proceed on March 18, 2019. **Staff received construction plans for review on May 7, 2019. Building Permit is anticipated to be submitted to Palm Beach County this month.**
- C. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers (ACOE) and South Florida Water Management District (SFWMD) to clarify the operational protocols of South Indian River Water Management District. Efforts on the sub team include confirming assumptions in the model and aiding in the planning effort.

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce the number of projects that will undergo further analysis. A subsequent meeting was held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District. SFWMD and the ACOE have been working on updating the model with the different scenarios and updating the cost estimates of proposed regional projects for the cost feasibility analysis. These updates are being prepared for the Project Implementation Report (PIR) as part of the ACOE process. The ACOE has posted some of the preliminary results of the modeling and staff has been reviewing and meeting with both SFWMD and ACOE on the modeling and flood protection sub teams. A draft calibration report of the modeling effort has been provided for review and comment along with the results of the alternative analysis. Comments for the draft calibration report were due on May 12, 2017. Based on the initial review of the modeling, the model is being re-conceptualized to ensure that the proper inputs are in the model.

The calibration model has been updated and staff has been reviewing the latest results as it relates to the District. Different alternative plans have also been updated and the models were executed to determine the results of different components.

A Project Delivery Team (PDT) Meeting was held on May 9, 2018. At this meeting, an overview of the modeling results was given. The ACOE along with SFWMD also presented the evaluation process towards the Tentative Selected Plan (TSP), benefit analysis, cost estimates for the alternatives, and the evaluation process toward a TSP recommendation.

On January 8, 2019, staff attended the Engineering Sub team meeting. At this meeting, a draft schedule was presented for the submission of the draft PIR. The draft PIR was released for review by the public March 22, 2019. There is a 45 day

review period for the draft PIR, which ends May 6, 2019. Two public meetings were held to provide input on the draft PIR/EIS. **Staff submitted comments and the Board's approved letter on May 6, 2019. Staff is following up with SFWMD on re-evaluating the 1989 agreement between SIRWCD and SFWMD on the operation of the G-92 structure.** Staff will continue to participate in meetings and committees on this subject and will update the Board as items occur.

- D. The Loxahatchee River Management Coordinating Council (LRMCC) is initiating the process with the Florida Department of Environmental Protection (FDEP) to prepare a Reasonable Assurance plan (RAP) in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs within the Loxahatchee River watershed. Staff attended a committee meeting to review the modeling efforts for the development of the RAP on May 23, 2017. FDEP and stakeholders discussed the model, and staff subsequently requested for more details on the model inputs and results. As a result of the committee meeting, stakeholders attended another meeting on June 7, 2017 to discuss RAP options.

At the August 24, 2017 LRMCC Meeting, the RAP was discussed. The committee went over different alternatives for the RAP and concluded that another meeting was needed before determining the direction for the RAP. The next meeting was held on October 30, 2017. Further discussion occurred over the pollutant loading simulation model (PLSM) and whether the group wants to use the model in the RAP. The group discussed hiring an outside consultant to evaluate the PLSM model and conduct a separate model. FDEP held another meeting concerning the water body identification number (WBID) boundaries on November 15, 2017. Stakeholders met on December 4, 2017 to discuss options on hiring an outside consultant and FDEP held a web meeting December 12, 2017 to discuss the PLSM model.

On January 29, 2018, FDEP discussed options for the RAP. After much discussion and a presentation on load reductions, the council decided to move forward with the use of the PLSM model and develop a RAP.

On February 21, 2018, FDEP held a workshop on the PLSM model. The meeting discussed the model inputs, the project list, and the project credits. FDEP forwarded information to staff for review concerning planned projects. The deadline for comments was April 13, 2018.

Staff attended a meeting on April 23, 2019 to discuss the status on the RAP. FDEP is finalizing information on projects from stakeholders to determine if the reduction in loadings can be achieved. Staff will be working with FDEP to provide information on SIRWCD's system. Staff will continue to work with FDEP on the RAP.

- E. At the April 19, 2018 meeting, staff was directed to begin a section analysis on Section 7. Staff worked on determining SIRWCD easements and has contacted a surveyor. Staff prepared a Loxahatchee River Preservation Initiative application for Fiscal Year 2020 funding. Out of 9 applications, this project was ranked 6. Staff reviewed the survey work received and instructed the surveyor to obtain additional data points per the contract. Staff has also obtained the latest Light Detection and Ranging (LiDAR) information from Palm Beach County to assist in the analysis. **Staff is finalizing information on Section 7 for distribution to the Operation's Manager and is working on determining the requirements for surveying Section 18.**

- F. At the February meeting, staff was directed to evaluate the District and provide feedback concerning the purchase of land for water quantity and water quality benefits. As part of this analysis, staff is to prepare a cost benefit analysis for the District to consider. Staff is working on an analysis and preparing a possible proposed plan to cover these types of projects. Staff has also obtained the latest LiDAR information from Palm Beach County to assist in the analysis. **Staff is continuing to work on this item.**
- G. As a result of Hurricane Irma and SIRWCD's ability to request funding from the Federal Emergency Management Agency (FEMA) and the NRCS, staff has prepared contract documents and solicited contractors for a continuing services contract on storm debris removal and disposal. The advertisement for bids on this contract was advertised on April 5, 2019. A non-mandatory pre-bid meeting has been scheduled for April 17, 2019. **Bids were submitted on May 10, 2019 and the results will be presented to the Board at this month's meeting.**
- H. Staff has been working together to update the Policy and Procedure Manual. Staff is working on Chapters 7 thru 9. Staff will continue to work on this effort.
- I. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- J. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- K. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.