



South Indian River Water Control District™

Established 1923

January 16, 2020 – 7:00pm
Jupiter Farms Park Pavilion
16655 Jupiter Farms Rd., Jupiter, FL 33478

BOARD OF SUPERVISORS MEETING AGENDA

1. Pledge of Allegiance
2. Landowners' Items
3. Consent Agenda
 - A. Approval of Minutes of Previous Meeting
 - B. Approval of Warrant List
4. Public Information Report
5. Treasurer's Report
6. Manager of Operations Report
7. Engineer's Report
8. Attorney's Report
9. Old business
 - A. Update on Office Computer Security and E-mail Management
 - B. Review Application for use of Park for an Event
10. New Business
 - A. Discuss Encroachment Agreement with Palm Beach Country Estates School
11. Adjourn



**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 – January 2020

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

- ❖ Monthly Meeting (*Jan. 16*) release

The following items were updated or added to the website:

- ❖ Monthly meeting (*Oct. 23, 2019*) minutes
- ❖ Meeting updates
- ❖ Multiple copy changes on numerous pages
- ❖ Statistics Rainfall data
- ❖ Landowners Family Day information
- ❖ January Meeting Agenda and Staff Reports

Attended Monthly Meeting (*Dec. 12*) and Staff Meeting (*Jan. 6*).

We have begun work on the Annual newsletter to include the MOP and Engineers Annual Reports, Budget information, Election results, George McGarry anniversary, Stormwater and Swales information, Annual Landowners Family Day notice and more.

The 29th Annual Landowners Family Day is scheduled for March 14 from 11:30 am – 2:30 pm. The Tom Jackson Band has been secured and we are getting quotes from the vendors and securing exhibitors for the event.

The Board and Legal has received four initial proposals from experienced companies for creating and hosting a new ADA-compliant website for review. We continue to work on the revision and changes to the District website to prepare for migration to a new ADA compliant site on a new platform once a company is selected. 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.

Donna DeNinno worked with Michael Howard, John Meyer and Holly Rigsby on website content and changes for the ADA accessibility and reported at the December 12 meeting.

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.



To: Board of Supervisors
FROM: Charles F. Haas, Treasurer
RE: Treasurer's Report for the month of January 2020
CC: Staff
Date: January 16, 2020

Routine Business

1. The District received a total of \$4,658,803 in current assessments receipts from the Palm Beach County Tax Collector through December, 2019.
2. We are not including budget to actual statements in this report. At the last meeting the Board has agreed to the presentation on a quarterly basis. We will provide the Board a full report in February.
3. We soon anticipate to work on the year end close in preparation of the audits commencement.
4. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

Board Consideration

1. The Board will be asked to approve the list of disbursements. (sent under separate cover).



South Indian River Water Control District™

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MEMORANDUM

TO: Board of Supervisors
FROM: Manager of Operations
SUBJECT: Manager's Report for December 6, 2019 to January 9, 2020
DATE: January 9, 2020

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. Meetings with West Construction regarding District shop.
4. Attended Staff meeting.
5. Received \$9,250 from Palm Beach County for 3rd quarter mowing maintenance per agreement.
6. Puentes Petro-Tech serviced underground fuel tanks removing sediment buildup.
7. Received \$2645.00 from Verizon for cell tower lease.
8. Superintendent Matt Wood resigns.
9. Reviewed fuel reports for November.
10. Board members and Employees participated in Jupiter Farms Christmas Parade.
11. Meeting with David Logan to inspect canal headwalls in Palm Beach Country Estates.

A Florida Special District

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MEMORANDUM

To: Board of Supervisors

Date: January 9, 2020

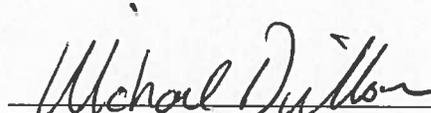
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WATER CONTROL

1. Received 12.38 inches of rain this reporting period.
2. Crews installed 15 driveway culverts and one temporary culvert. Crews also prepared three swales for new construction culvert installs followed by inspections.
3. Terra Tech continues canal spraying for aquatic weed control.
4. Drainage outfall projects postponed due to heavy rainfall events.
5. Crews begin work on Canal 13 culvert install.

ROAD MAINTENANCE

1. Lake Point Restoration hauled 379 tons of shellrock to District yard.



Manager of Operations

Memorandum

To South Indian River Water Control District (SIRWCD)
Board of Supervisors Pages 5

CC

Subject Engineer's Report for December

From Amy E. Eason, PE, District Engineer

Board Meeting
Date January 16, 2020

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

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. In order to improve drainage and water quality in the Jupiter Farms area, staff was performing two separate efforts, but based on the board discussions at the August 2019 meeting, these efforts are being combined into the development of one conceptual plan for the Jupiter Farms area under the Jupiter Farms Re-Engineering program. Over the past year, staff was directed by the Board to:

- Evaluate the area and provide feedback concerning the purchase of land for water quantity and water quality benefits
- Analyze the effect of filling undeveloped lots has on the master system
- Analyze the localized effects on each section starting with Section 7 and 18 and utilizing the results for the remainder of the area

In order to evaluate these elements, the District's hydrologic and hydraulic model needed to be updated to run various scenarios. Staff has obtained the latest topographic information from Palm Beach County to assist in updating the model. The model has been updated and staff is preparing to run scenarios to determine the sensitivity to various types of projects.

As part of this analysis, staff was to analyze localized projects on a section by section basis to benefit the system as a whole for the Jupiter Farms area. Staff was directed to begin a section analysis on Section 7 as a pilot project. Staff worked on determining SIRWCD easements and has obtained survey information. At the May 2019 Board Meeting, staff presented the results of the project. Last year, staff prepared a Loxahatchee River Preservation Initiative (LRPI) application for Fiscal Year 2020 funding. Money was not available and therefore, staff resubmitted the application for Fiscal Year 2021. The application was submitted on August 5, 2019, and the presentations were held on August 12, 2019. This project was ranked 3rd out of 5. A

bill was filed by Representative Magar to the Florida house of Representatives under HB 2139 on October 7, 2019 requesting funds.

As a result of the Section 7 project, the Board authorized evaluating Section 18. Section 18 represents a typical section layout of many of the sections within Jupiter Farms. In order to reduce future costs, the results of Sections 7 and 18 will aid in determining the improvements for the remaining sections. Staff received the survey of the section and is beginning the analysis and possible projects for the area.

This month, **staff continues to confirm District owned outfalls** within the Jupiter Farms area. Staff is prepared to update the Board at this month's meeting.

II. OPERATION AND MAINTENANCE

- A. The National Pollutant Discharge Elimination System (NPDES) Steering Committee's did not meet in November or December. The next scheduled meeting will be January 15, 2020, which is the Annual Meeting where the Fiscal Year (FY) 2020-2021 Budget and the 2020 Program Schedule will be discussed.
- 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 on May 7, 2019 and submitted comments back to the contractor to be addressed. The contractor submitted a building permit to Palm Beach County on May 10, 2019. The county has finished their initial review and issued comments on June 27, 2019. **A building permit was issued on October 9, 2019 and West Construction is working onsite. The shell of the building is set and the electrical has been installed. The project is near completion.** Staff will update the board at this month's meeting.
- 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.

Palm Beach County has submitted a letter to SFWMD on December 5, 2019 to support the project but to also express their concerns. Staff will continue to participate in meetings and committees on this subject and will continue to monitor this item.

- 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.

On June 24, 2019, staff attended a LRMCC meeting where FDEP presented information on the RAP. FDEP has been working with stakeholders to update their information and to provide projects to be included in the RAP. FDEP shared that the RAP currently shows that total phosphorus (TP) is being met, but total nitrogen (TN) is not. The RAP currently shows that additional projects are required to meet the impairments. FDEP held a demonstration on August 19, 2019 on the modeling.

The draft Loxahatchee River Pollutant Reduction (4e) Plan has been posted on FDEP website for review and comment by October 31, 2019. This is a voluntary plan designed to address nutrient and bacteria impairments in the Loxahatchee River which will result in these impairments being moved to the 4e category on the state's list of impairments and will postpone total maximum daily load (TMDL) development. Staff submitted comments to FDEP on October 30, 2019. Staff further followed up with FDEP on items and concerns with the plan. **Staff will continue to monitor this item.**

- E. In September 2019, staff was asked to coordinate with SFWMD on a possible connect to Project Culvert 10 on the C-18 Canal in preparation for Hurricane Dorian. Staff installed four (4) culverts on Canal E for temporary relief in Palm Beach Country Estates. In December, an extreme rain event occurred and the culverts were utilized for temporary relief. Staff has contacted SFWMD and has completed some historical research of the area. Staff is prepared to update the board at this month's meeting.**
- F. At the October 2019 meeting, direct pumping into the District's secondary (swale system) was discussed. Staff was directed to draft a policy concerning pumping. **Staff continues to update this policy.**
- G. At the December 2019 meeting, staff was directed to provide a scope with an approximate fee to conduct a benefit analysis for parcels adjacent to County paved roads for the use in determining future roadway maintenance assessment adjustments. Staff continues to work on this scope and fee and will update the board at this month's meeting on the progress.**
- H. At the December 2019 meeting, staff was asked to prepare a letter to Palm Beach County concerning a Soccer Complex proposed on Rocky Pines Road. Staff is prepared to update the board at this month's meeting.**



- I. **A landowner on Donald Ross is requesting to use SIRWCD easement as part of their development for a school. Staff is prepared to update the board at this month's meeting.**
- J. 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.
- K. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- L. 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.