



Annual Engineer's Report

San Carlos Estates Water Control District

Submitted September 23, 2023

District Overview:

Within ten days of the San Carlos Estates Water Control District (SCEWCD) 2022 Annual meeting on September 17, 2022, Hurricane Ian made landfall in SW Florida as a Category 4 storm. This event has dominated the District's Engineer's, RMEC, LLC, activity since prior to landfall and is the overarching element of this report.

Hurricane Ian:

Immediately following Hurricane Ian, RMEC solicited and engaged local contractors to remove hurricane debris from the perimeter primary canal system and interior roadside drainage systems. An estimated 600 CY of debris was removed.

FEMA:

RMEC has over the course of the past year participated and provided support for various FEMA post storm recovery efforts including providing support data and analysis in support of SCEWCD's various applications for reimbursement funding for Hurricane Ian debris removal, erosion and stabilization repairs to the perimeter canal system and repairs to the systems detention areas to remove sediment.

HMGP:

RMEC has over the course of the past year participated in and provided support for the SCEWCD applications for the State of Florida Hurricane Mitigation Grant (HMGP). Grants are being pursued to improve the overall function of the drainage system and for repairs and modifications to the two existing weir structures to better serve the District.

NPDES MS4 Permit:

SCEWCD continues to operate as a co-permittee with Lee County and other local governments under the Municipal Separate Storm Sewer System (MS4) Permit.

In January of 2023, RMEC coordinated with the former District Engineer, Morris-Depew & Assoc. with the submittal of the Year 4 water quality analysis as required by the FDEP MS4 permit.

RMEC has participated in several meetings with FDEP and Lee County Staff regarding updates and revisions to the MS4 permit.

On May 3, 2023, RMEC coordinated a routine site inspection with representatives of the Florida Department of Environmental Protection (FDEP) and Lee County Division of Natural Resources (LCDNR) to inspect the SCEWCD facilities as part of the ongoing MS4 compliance program.

RMEC will be preparing and submitting the 2022/2023 MS4 annual report by October 20, 2023.

Based on feedback from FDEP and Lee County, SCEWCD appears to be in general compliance with all permits subject to routine maintenance.

District Right of Way Permitting:

State of Permit Completion	Previous Year Permitting	Current Year Permitting	Net Change Year Over Year
Under Review	Ukn	23	N/A
Issued	20	19	-1
Closed	15	29	+14
Inspections	Ukn	255	N/A

During the course of the past year, RMEC has 23 applications under review, has issued 19 permits, has closed or finalized 29 applications and conducted 255 inspections. Many of the actions involved applications that were received by the District prior to RMEC's engagement.

Working with the office of District Counsel, RMEC has made several revisions to the application documents to streamline and condense the process. These forms will be available on the new website beginning October 1, 2023. Edits to the Access Standards Handbook are still ongoing due to the technical nature of the edits. Until said edits are completed, the current Handbook will remain in force & effect.

Infrastructure Maintenance:

RMEC oversaw the cleaning of Catskill, Papillion and Pinson wherein driveway culverts and outfall culverts to the perimeter canal were cleaned. It was determined during this effort that focus should be redirected to the cleaning of all outfall culverts throughout the District. RMEC is in negotiations with Vacuum Dig to complete this effort.

Roadside mowing has continued throughout the year in accordance with existing contracts. All required inspections pursuant to the requirements of the MS4 permit have been completed.

Water Control Plan

RMEC will propose to provide an update to the 2005 Water Control Plan Amendment during the coming FY to include MS4 requirements, SFWMD requirements, currently proposed system improvements and other related regulatory requirements. Until such time, the current plan remains in effect as adopted.

Pending Operations:

- Canal Maintenance Solicitations
- Survey Services Solicitations
- Weir Modification Project
- Detention Area Improvements Project
- System Hydraulic and Hydrologic Assessment

Submitted on Behalf of RMEC, LLC,

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Engineer of Record
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