

Stormwater

19

Storm Sewer Pipe Rehabilitation [02-831]

Various stormwater rehabilitation projects.

Managing Department: Utilities (WS or SW)

Project Manager: Michael Taylor

Phase: Construction

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$2,851,770.69

FY 2020 \$24,738.00

Progress the month of: February, 2020

Investigate areas for deteriorating pipes due to age.

Next Months Goals:

Investigate areas for deteriorating pipes due to age.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	N/A	N/A			N/A	100
Construction	Insituform				123296	0

Design PO's:

Construction PO's:

Purchase Order	Company	Paid to date	Purchase Order Total
123296	LCCI CONSTRUCTION	\$16,186.78	\$16,186.78

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Repairing storm drainage headwalls, including the addition of one way valves.

Managing Department: Engineering, Utilities (WS or SW)

Project Manager: Michael Taylor

Phase: Construction

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$101,561.83

FY 2020 \$4,200.00

Progress the month of: February,2020

Inspected areas for future work.

Next Months Goals:

Inspect new areas for future work.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	N/A	N/A				100
Construction					111286	80

Design PO's:

Construction PO's:

Purchase Order	Company	Paid to date	Purchase Order Total
111286	MOLLOY BROS. INC.	\$17,415.00	\$17,415.00

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Backflow Valves [14-235]

This project is to install check valves on tidal outfalls. The valve will prevent backflow of tide onto streets during extreme high tides, when tidal waters are higher than the roadway.

Managing Department: Utilities (WS or SW)

Project Manager: Michael Taylor

Phase: Construction

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$270,559.62

FY 2020 \$53,036.00

Progress the month of: February, 2020

Investigated locations for new valve installations

Next Months Goals:

Continue to investigate locations for new valve installations

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design						100
Construction						0

Design PO's:

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Superior Capacity	8.0 Ocean Rise	8.1. Prepare for long term impacts of ocean rise
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Avondale Neighborhood [14-248]

The Avondale Neighborhood was identified as a priority drainage basin in need of stormwater system improvements based on historical flooding problems observed by City staff, flooding complaints from residents or business operators, and the results from the existing conditions stormwater model. The Avondale Neighborhood is bound by I-95 to the west, SW 3rd Street to the south, Dixie Highway to the east and Atlantic Boulevard to the north. The Avondale Neighborhood typically experiences significant flooding throughout the area during heavy rainfall events. Based on the results of the existing conditions stormwater model along with the observations by City staff, the problem area is centered on SW 4th Avenue along with the adjacent intersecting roadways, which is where most of the critical flooding occurs. The project will help alleviate most of the flooding conditions.

Managing Department: Utilities (WS or SW)

Project Manager: Anthony Alhashemi

Phase: Construction

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$5,685,917.75

FY 2020 \$47,420.00

Progress the month of: February,2020

Project is complete minus landscape. Landscape was removed from the original scope of work from the contractor and will be completed by the City. All County permits have been closed. Retainage has been released.

Next Months Goals:

Final project.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	Chen-Moore and Associates, Inc.				142553	100
Construction	Enco,LLC		3/16/2018			100

Design PO's:

Purchase Order	Company	Paid to date	Purchase Order Total
142553	CHEN MOORE & ASSOCIATES INC	\$276,110.00	\$276,110.00

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Lyons Park Neighborhood [14-251]

The Lyons Park Neighborhood is located west of South Cypress Road, north of McNab Road, east of South Flagler Avenue and south of SW 8th Street. This area is residential with chiefly single family homes, which is served by an existing stormwater collection system. The system is inadequate since it was built many years ago when the standards were not as stringent for new construction.

Managing Department: Utilities (WS or SW)

Project Manager: Matthew Kudrna

Phase: Design

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$768,177.75

FY 2020 \$1,832,607.00

Progress the month of: February,2020

A permit review is in process with the designer and the PM. The certified arborist assessment team has started the tree survey. The Designer will address comments and resubmit the 90% plan set. Resubmittal date is 03/12/2020

Next Months Goals:

Continue working with the designer to complete the 90% plans.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	RJ Behar				142581	90
Construction	TBD					0

Design PO's:

Purchase Order	Company	Paid to date	Purchase Order Total
142581	RJ BEHAR & COMPANY INC	\$190,308.41	\$190,308.41

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Esquire Lake Neighborhood [14-252]

The project area for the Esquire Lake Neighborhood is located on the west side of the Powerline Road, south of Martin Luther King Boulevard. This residential neighborhood contains a lake towards the east side, which collects runoff from all local roadways through gravity stormwater pipes ranging from 12 inches to 36 inches. The lake has a weir type control structure that overflows to the system on Powerline Road. System improvement alternatives investigated for this study area include pipe size upgrades and Exfiltration trenches.

Managing Department: Engineering

Project Manager: Anthony Alhashemi

Phase: Design

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$5,908,133.59

FY 2020 \$800,525.00

Progress the month of: February,2020

All work is substantially complete. Contractor has completed most punch-list items. Contractor is working on close out documents.

Next Months Goals:

Close out project.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	Baxter Woodman Engineering				142789	100
Construction	DBF Construction		4/19/2019	12/3/2019	191345	100

Design PO's:

Purchase Order	Company	Paid to date	Purchase Order Total
142789	MATHEWS CONSULTING INC	\$133,594.00	\$133,594.00

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Kendall Lake Neighborhood [16-291]

The Kendall Lake Neighborhood is a residential neighborhood bounded by NW 21st Street on the north, by NW 16th Street on the south, NW 5th Way on the west and NW 1st Avenue on the east. The study consists of single family developments, which are completely built out. The existing stormwater system is composed of two independent systems. The existing stormwater system in the northeast portion of the study area is a closed Exfiltration trench system in the low lying areas. The existing stormwater system in the western portion of the study area includes a drainage pipe network which discharges via three outfalls into Kendall Lake, which does not have an overflow connection and has been observed with a very high water level. The proposed improvements should focus on reducing stormwater runoff flowing into entering Kendall Lake.

Managing Department: Engineering

Project Manager: Hector Gandia

Phase: Design

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$418,222.30

FY 2020 \$409,959.00

Progress the month of: February,2020

Project still under review by SFWMD.

Next Months Goals:

Respond to possible comments from SFWMD review.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	Baxter Woodman Engineering	11 months	5/28/2018	5/1/2018	162524	75
Construction	TBD					0

Design PO's:

Purchase Order	Company	Paid to date	Purchase Order Total
162524	MATHEWS CONSULTING INC	\$220,847.58	\$222,803.00

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Gateway Dr. [16-292]

The Gateway Drive study area is a commercial and industrial neighborhood bounded by West McNab Road to the south, by Powerline Road to the east, by SW 36th Avenue to the west and by SFWMD C14 Canal to the north. Due to the commercial nature of the study area, the public right-of-way areas have a high percentage of impervious ground coverage, which limits the infiltration of stormwater runoff into the ground surface. The public roadways within the study area have a limited existing stormwater system which discharges into a stormwater pond with an overflow connection to the SFWMD C-14 Canal. According to resident complaint information, the potential flooding areas are located in right-of-way areas without existing drainage facilities, which is along SW 29th Avenue, SW 28th Avenue, and SW 27th Avenue.

Managing Department: Engineering

Project Manager: Hector Gandia

Phase: Design

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$390,426.45

FY 2020 \$549,307.00

Progress the month of: February,2020

Project submitted to SFWMD and is still under review.

Next Months Goals:

Respond to possible comments from SFWMD submittal.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	Baxter Woodman Engineering				163217	75
Construction	TBD					0

Design PO's:

Purchase Order	Company	Paid to date	Purchase Order Total
163217	MATHEWS CONSULTING INC	\$195,981.78	\$196,560.00

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Pipe Lining and Miscellaneous Projects [17-308]

This project is for lining stormwater pipes to repair deteriorated pipes including small projects to replace or add stormwater facilities; such as, stormwater pipes that discharge to canals and the Intra-coastal between homes and under roads. It also includes repairs to piping that requires replacement or repairs to French drain systems.

Managing Department: Utilities (WS or SW)

Project Manager: Michael Taylor

Phase: Construction

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$712,743.26

FY 2020 \$437,862.00

Progress the month of: February,2020

Investigated new areas for pipes to be lined

Next Months Goals:

To continue investigating areas for pipes to be lined

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design						0
Construction						0

Design PO's:

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - US-1 & N.E. 14th St. Causeway [18-325]

This project area is generally located southeast of the intersection of US Highway 1 and NE 14th Street Causeway. This area consists chiefly of residential properties along with commercial properties located along US-1 and NE 14th Street. The existing drainage system within the study area includes a few separate systems, such as the FDOT drainage system along US-1 and NE 14th Street Causeway and various independent City systems within the neighborhood. These independent City drainage systems are located in the east side of the study area that discharges via existing outfall pipes into the tidally influenced canal system, which is directly connected to the Intracoastal Waterway. One 15-inch outfall is located towards the east end of the study area along NE 27th Terrace. Another 24-inch outfall is located on the southeast of the study area along NE 12th Street. This project will help alleviate flooding in the area.

Managing Department: Engineering
Project Manager: Matthew Kudrna
Phase: Other

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$32,548.80

FY 2020 \$131,916.00

Progress the month of: February, 2020

Survey and preliminary design continue.

Next Months Goals:

Monitor design and provide data as requested

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	Craig A. Smith & Associates		11/26/2019		300643	10
Construction						0

Design PO's:

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Superior Capacity	8.0 Ocean Rise	8.1. Prepare for long term impacts of ocean rise
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - N.E. 4th St. & N.E. 3rd St. [18-326]

This project area includes NE 4th Street and NE 3rd Street to the east of Harbor Drive immediately adjacent to the Intracoastal Waterway. This residential neighborhood includes two separate areas surrounded by the finger canals off the Intracoastal Waterway. The public right-of-way areas within this neighborhood do not have an existing drainage system to address any flooding issues since these roadways are hydraulically isolated from adjacent areas with existing drainage infrastructure, such as Harbor Drive. During rainfall events, stormwater runoff from this neighborhood will collect in right-of-way areas where it can only slowly infiltrate into the ground surface from pervious swale areas adjacent to the roadway. This project should help alleviate flooding in the area.

Managing Department: Engineering
Project Manager: Chris Schlageter
Phase: Design

Funding Source
Stormwater Utility Capital Fund (425)

Prior Expenditures: \$49,168.30
FY 2020 \$151,944.00

Progress the month of: February,2020

City performed constructability reviews of A/E dwgs.

Next Months Goals:

Complete all reviews and obtain 90% design contract documents.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	Munson					70
Construction	TBD					0

Design PO's:

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Superior Capacity	8.0 Ocean Rise	8.1. Prepare for long term impacts of ocean rise
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Dixie Highway & McNab Rd. [18-327]

This project area is bounded by Interstate-95 on the west, by SW 9th Street on the north, by Dixie Highway on the east, and by West McNab Road on the south. This study area consists of mixture of residential and commercial properties. There is also an existing FDOT drainage system, which only serves the right of way for Dixie Highway. This project will help alleviate flooding in the area.

Managing Department: Engineering
Project Manager: To Be Determined
Phase: Other

Funding Source Stormwater Utility Capital Fund (425) **Prior Expenditures:** \$0.00
FY 2020 \$60,046.00

Progress the month of: February,2020

None. Funding will be available in Fiscal Year 2019.

Next Months Goals:

Not Applicable

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design						0
Construction						0

Design PO's:

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process

Stormwater - Bay Drive Neighborhood [18-328]

This project area consists of a residential neighborhood, which is bounded by Robbins Road to the south, by North Riverside Drive to the north, by A1A to the west and Bay Drive to the east. The existing stormwater system within the study area consists of the FDOT system along US A1A and a City system along Bay Drive with an existing outfall discharging directly to the Hillsboro Inlet. The City has received extensive complaints from residents in this area about flooding within the neighborhood roadways.

Managing Department: Utilities (WS or SW)

Project Manager: Tammy Good

Phase: Design

Funding Source

Stormwater Utility Capital Fund (425)

Prior Expenditures: \$166,981.50

FY 2020 \$1,618,803.00

Progress the month of: February, 2020

Team continues to prepare design plans for permitting. A redline review of the 60% plans were conducted and sent to the design consultant for revisions.

Next Months Goals:

Continue with design effort.

	Consultant/Contractor	Time Frame	Start Date	End Date	PO#	% Complete
Design	Keith & Associates					90
Construction	TBD					0

Design PO's:

Construction PO's:

Supports Strategic Plan Initiative:

Strategy	Goal	Initiative
Superior Capacity	8.0 Ocean Rise	8.1. Prepare for long term impacts of ocean rise
Quality and Affordable Services	1.0 Safety	1.6. Improve stormwater disposal and treatment process