

# Attachment 1

## Flood Control/CIP Projects - Manatee County Cycle 4, Year 1 Annual Report

### Manatee County NPDES Permit #FLS000036-004

Project Description	Project #	Project Type	Proj Start Date	Date Complete	Dredged Amount (yds3)	(Est.) Cost	Stmwtr Trtmt?	Description
<b>Projected for Completion (2019)</b>								
Mill Creek Watershed Study	n/a	Watershed Study	1/1/2015	TBD	n/a	\$575,000	Yes	Flood control & water quality.
Bowlees Creek Watershed Study	n/a	Watershed Study	6/2/2017	TBD	n/a	\$432,000	Yes	Flood control & water quality.
Pearce Drain Watershed Study	n/a	Watershed Study	5/22/2017	TBD	n/a	\$672,000	Yes	Flood control & water quality.
Coquina Beach Drainage Improvements	6005719	Drainage Improvement	8/5/2016	11/8/2019	n/a	\$3,177,749	Yes	Improve drainage & water quality BMPs w/in beach parking areas (under construction).
Tangelo Park Stormdrain Rehabilitation	6039600	Drainage Improvements	10/30/2017	TBD	n/a	\$450,000	No	Replace & rehabilitate storm drain.
CR 675 Canal Improvements	6044400	Drainage Improvement	2/16/2017	10/1/2019	n/a	\$1,612,091	No	Improve drainage & reduce erosion (under construction).
Pipe Canal Baywest W83 Canal & Bike Path	6044500	Drainage Improvement	4/30/2015	TBD	n/a	\$845,961	No	Stormwater canal to pipe conversion.
Coral Shores & Flamingo Cay Storm Drain Replacement & Rehabilitation	ST01396	Drainage Improvement	4/14/2017	TBD	n/a	\$7,088,500	No	Replace & rehabilitate 2100' of stormdrain.
Harvard Ave Seawall Repair	6096660	Erosion Control	5/31/2018	TBD	n/a	\$520,000	No	Repair section of seawall to prevent erosion.
<b>Proposed</b>								
Hawthorne Park Sediment Basin	6096800	Sediment Basin	7/12/2020	TBD	TBD	\$390,000	Yes	Construction of a Sediment Basin.
Neighborhood Specific Pipe Lining - Whitfield Alderwood Piping	6093600	Drainage Improvement	TBD	TBD	n/a	\$300,000	No	Replace & rehabilitate storm drain with Cure In Place Piping (CIPP).
Sediment Outfall Program Projects	n/a	Sediment Removal	11/1/2019	TBD	800	\$100,000	Yes	Sediment removal (locations TBD).
Highland Shores Dredge	n/a	Sediment Removal	11/1/2019	TBD	400	\$75,000	Yes	Sediment removal.
Morgan Johnson/Johnson Creek	n/a	Sediment Remvoal	11/1/2019	TBD	400	\$75,000	Yes	Sediment removal.
Rattlesnake Slough Reliever	n/a	Flood Control	TBD	TBD	50	\$400,000	No	Flood control
Rubonia Drainage Rehabilitation	n/a	Flood Control & WQ	TBD	TBD	n/a	\$1,695,826	Yes	Flood control/water quality/drainage improvement.
Bowlees Ck Watershed Water Quality Study	n/a	Surface Water Resource Assessment	TBD	TBD	n/a	\$99,000	Yes	SW Resource and BMP alternatives assessment to address WQ issues.
<b>Completed</b>								
Warner's East	0010800R	Stmwtr Outfall Dredging	4/5/2018	3/31/2019	TBD	\$250,000	No	Sediment removal from outfalls.
Lake Brendan Dredge	na	Sediment Removal	TBD	TBD	10000	\$1,500,000	Yes	Sediment removal.
Vista Del Largo Pipe Replacement	6093700	Drainage Improvement	1/15/2019	6/1/2019	n/a	\$410,000	No	Replace & rehabilitate storm drain.
Wares Creek Dredging	60288	Dredging	5/14/2009	TBD	TBD	\$30,179,597	No	Dredging and flood control.
Eagle Village (4710 14th Street West)	0010800P	Stmwtr Outfall Dredging	8/1/2016	TBD	TBD	\$100,650	No	Sediment removal from outfalls.
Mill Creek Watershed Water Quality Study	n/a	Surface Water Resource Assessment	10/1/2018	12/1/2019	n/a	\$63,000	Yes	SW resource and BMP alternatives assessment to address WQ issues.