

Manatee Pocket SW Prong Water Quality Retrofit

Category Non-Concurrency
Project Number 1245A
Location Port Salerno, Stuart
District 4



Project Limits West of Old Dixie Highway;north of cove road;east of Ebttide avenue and south of Lincoln street in Port Salerno

Related Projects STA Projects throughout Martin County
Lead Dept/Division Public Works/Ecosystems
Year Project Initiated 2021

Project Life Cycle _____ Years

Resilience Requirements 2040 Vulnerability 2070 Vulnerability 2100 Vulnerability



DESCRIPTION

This project will construct a treatment train consisting of two wet detention ponds (approximately 0.5 and 1.1 acres), two diversion weir structures, enhanced vegetated channels, and a Summit High-Performance Upflow Filter System with bioactive media prior to discharge. Stormwater Treatment Area (STA) located west of Railway Avenue, north of Cove Road, south and east of Grant Street, Front Ave and Channel Drive. The southwest prong of the Manatee Pocket watershed is in excess of 200 acres and lies between the Salerno and Manatee Creek basins. The area includes portions of southeast Port Salerno, New Monrovia, Murray Middle School, Emerald Lakes, and the Publix shopping center on the corner of US 1 and Cove Road. The project anticipates removal efficiencies of (TN) (334 lbs/yr) and (TP) (234 lbs/yr).

BACKGROUND

Martin County secured a Section 319 Environmental Protection Agency (EPA) grant (\$600,000) in 2020 for this project. Land acquisition for this project is underway in FY21. Design is scheduled in FY22 with construction to follow in FY23. Additional grant opportunities have been awarded to be recieved in 2023.

PROJECT ORIGATION

Commissioners

JUSTIFICATION

The primary objective is to treat runoff and reduce nutrient loads to the South St Lucie Estuary to meet the St. Lucie Watershed Basin Management Action Plan (BMAP) requirements and assist the County in meeting the Total Maximum Daily Load (TMDL) mandate.

Expenditures	Total	To Date	Carryover	Funded					Unfunded
				FY23	FY24	FY25	FY26	FY27	FY28-FY32
Design	137,000	137,000							
Monitoring	120,000				120,000				
Construction	2,343,000			2,343,000					
Expenditure Total	2,600,000	137,000		2,343,000	120,000	0	0	0	0
Revenues	Total	To Date	Carryover	FY23	FY24	FY25	FY26	FY27	FY28-FY32
Ad Valorem	1,209,000	137,000	1,072,000						
Stormwater MSTU	74,500		74,500						
Franchise Fee	116,500		116,500						
Grants	1,200,000		600,000	600,000					
Revenue Total	2,600,000	137,000	1,863,000	600,000	0	0	0	0	0
Total Unfunded									0

OPERATING BUDGET IMPACT

Estimated operational cost will be \$15000 a year