

Indian Hills Recreation Area Stormwater Improvements

Formerly called Heathcote Botanical Gardens Expansion



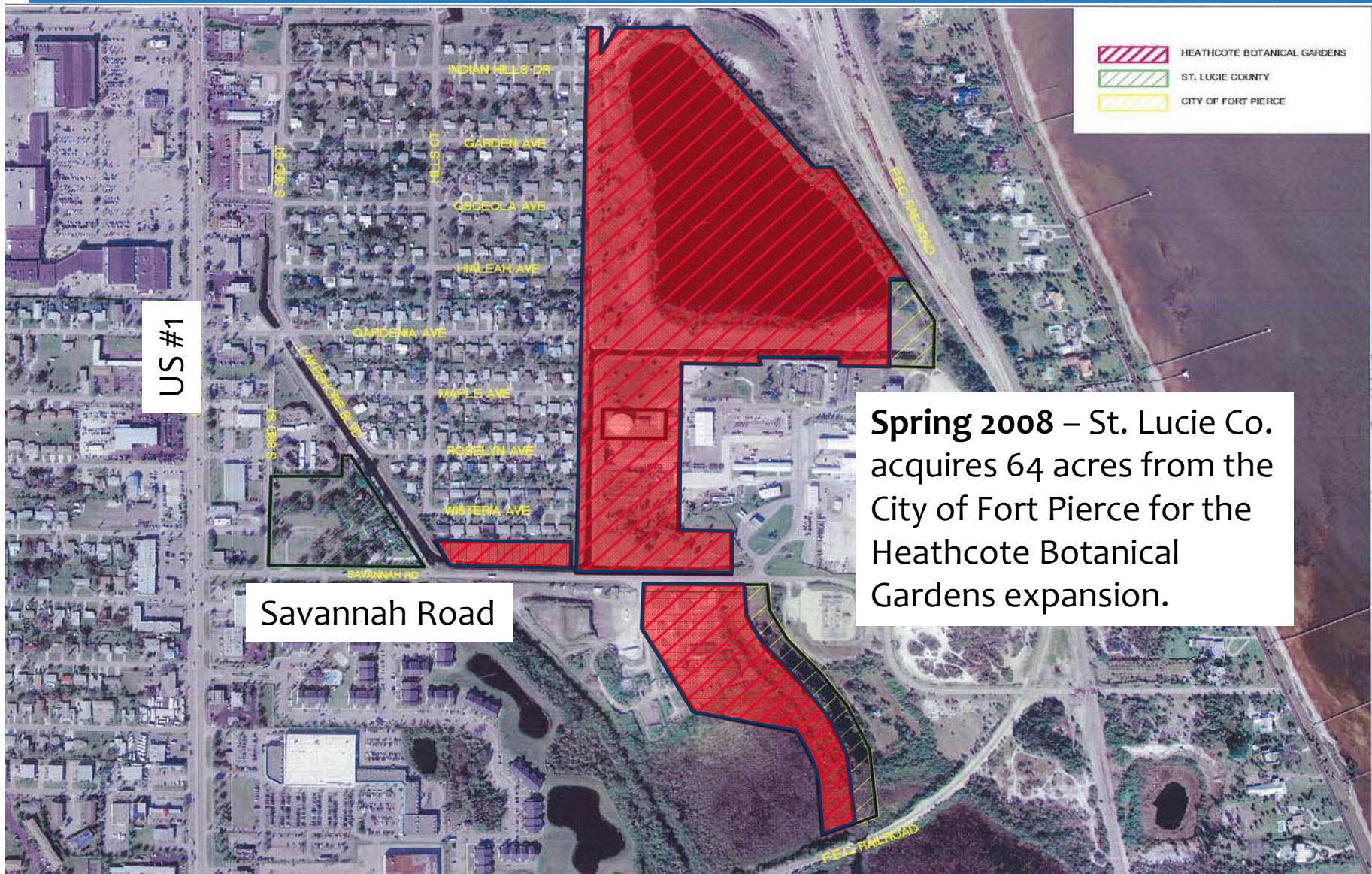
Prepared By:
City of Fort Pierce
Engineering Department

Indian Hills Recreation Area Stormwater Improvements

- * **A Partnership Project which includes multiple agencies**
 - * Florida Communities Trust
 - * Florida Department of Environmental Protection
 - * St. Lucie County
 - * City of Fort Pierce
 - * South Florida Water Management District
 - * St. Lucie River Issues Team
 - * Treasure Coast Resource Conservation & Development Council



Indian Hills Recreation Area Stormwater Improvements



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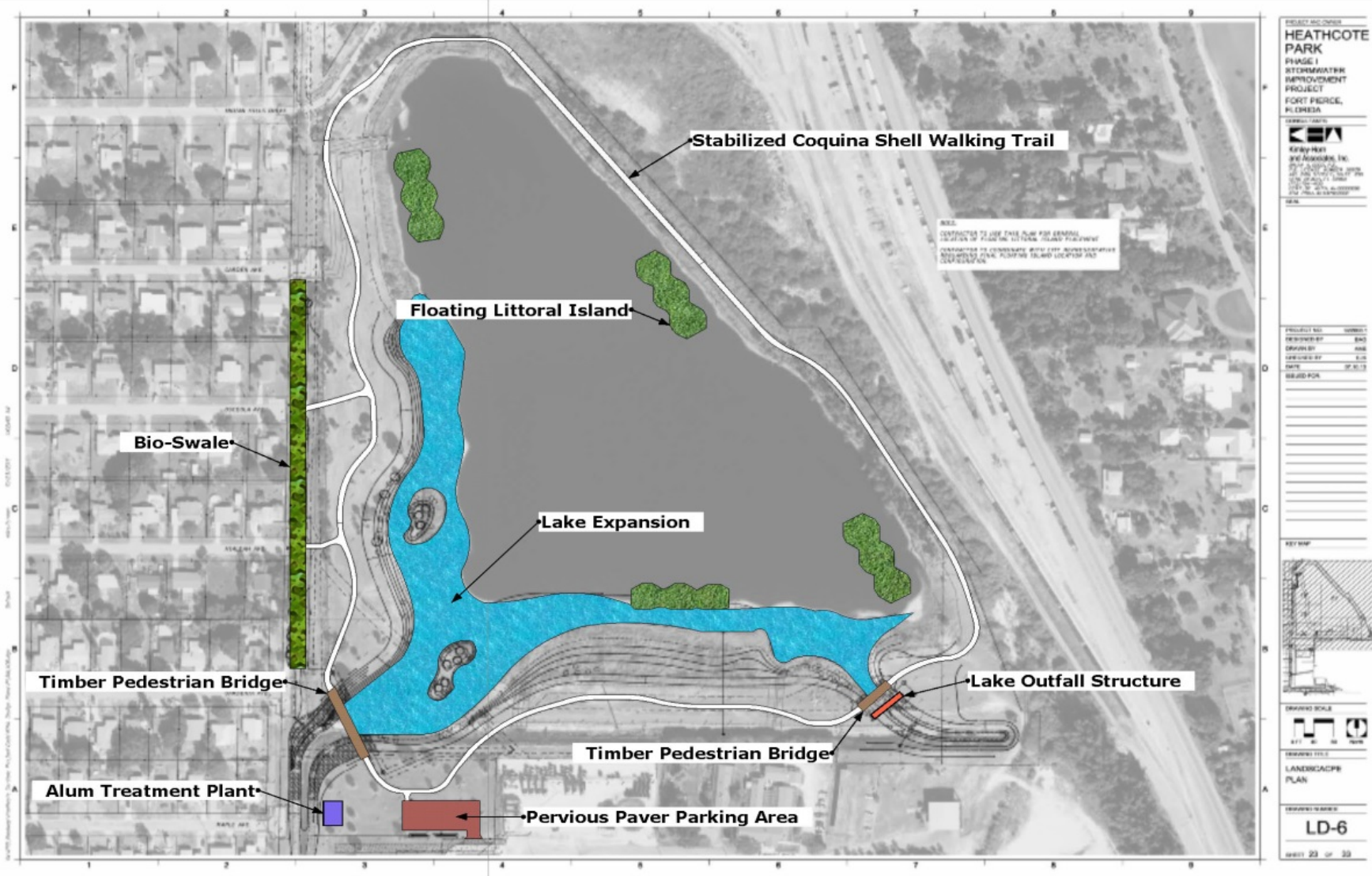


Existing Conditions

Indian Hills Recreation Area Stormwater Improvements

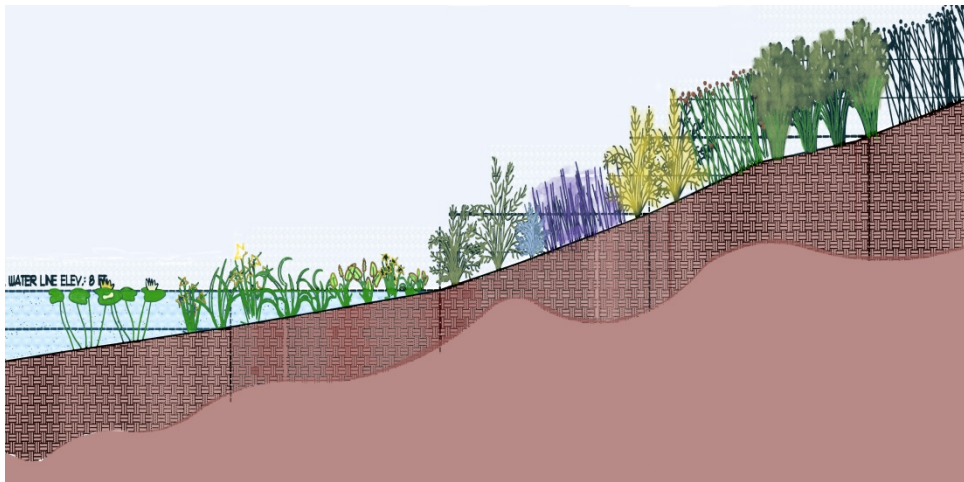


Indian Hills Recreation Area Stormwater Improvements



Indian Hills Recreation Area Stormwater Improvements

* Lake Expansion and Creation of Littoral Zones



- Approximately 95,000 CY of excavation
- Creation of an additional 3 acres of littoral planting zones

Indian Hills Recreation Area Stormwater Improvements

* Floating vegetative mats



- Installation of nearly one acre of vegetative mats for the removal of nutrients from the water.
- Plants will be harvested on a yearly basis and mats reused with new plantings.

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* Alum Treatment Plant

- Alum will be injected into incoming stormwater runoff at a metered rate, creating precipitates which remove pollutants, primarily suspended solids, algae, phosphorus and heavy metals.

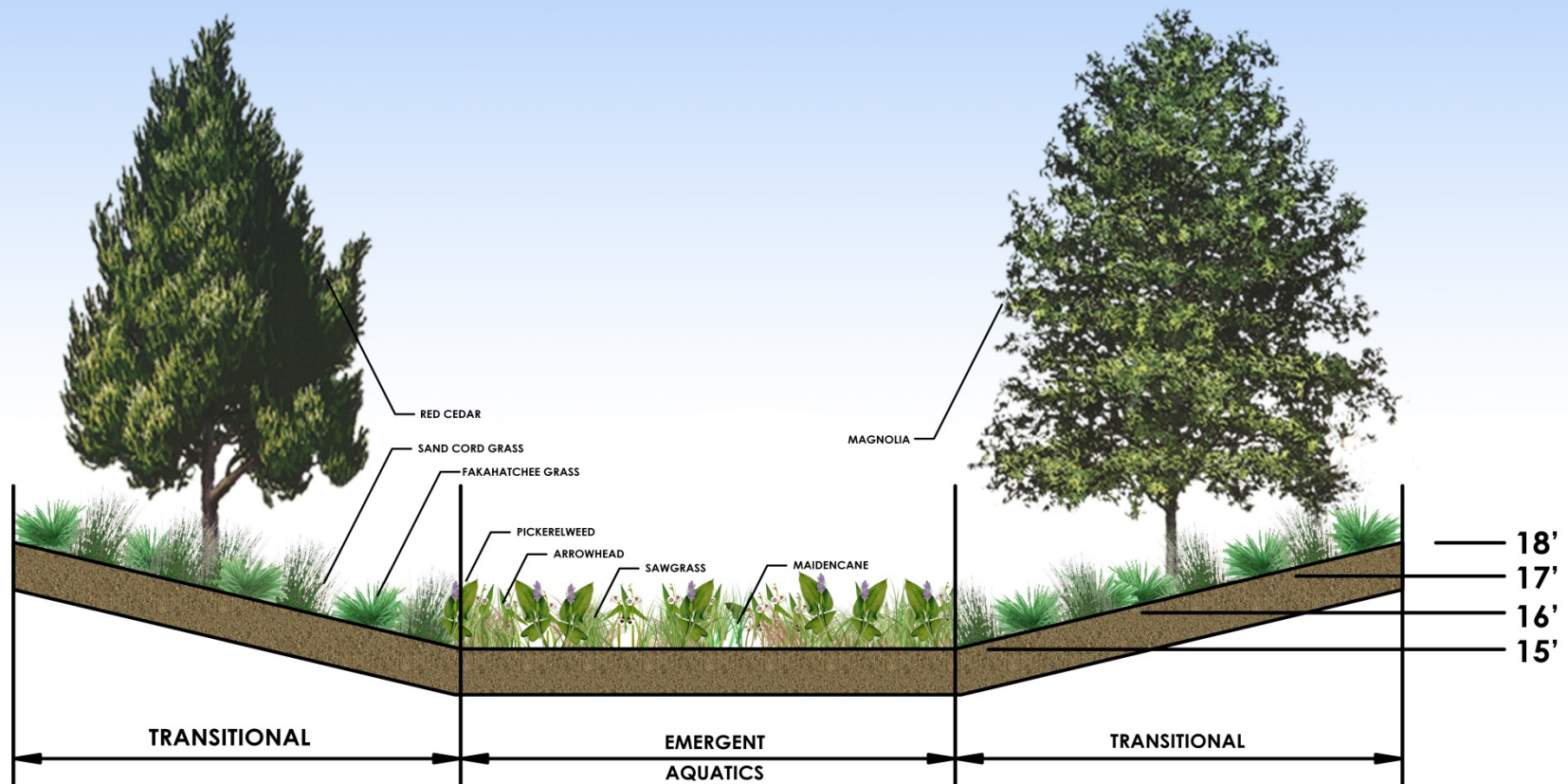


Site Location Plan



Injection Components

Indian Hills Recreation Area Stormwater Improvements



HEATHCOTE PARK
TYPICAL BIO-SWALE SECTION

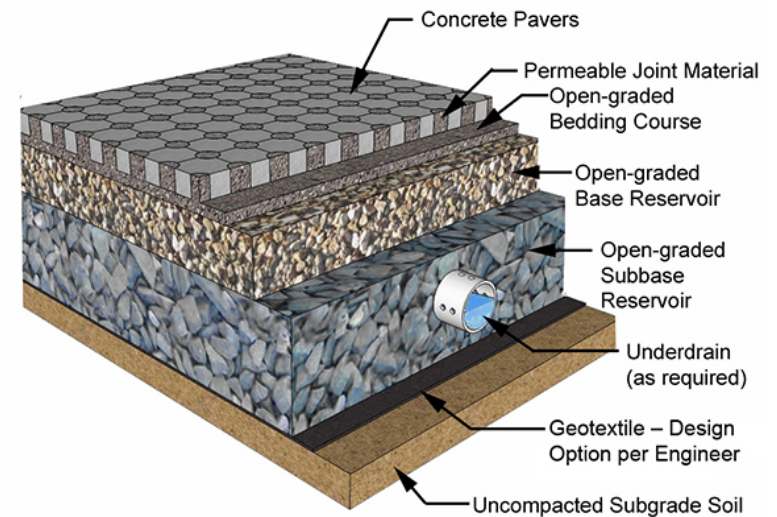


Indian Hills Recreation Area Stormwater Improvements

* Pervious Paver Parking Area



- Construction of a 22 space parking area with pervious pavers and underlying stone reservoir



Indian Hills Recreation Area Stormwater Improvements

* Pedestrian Bridges



- Installation of two pedestrian bridges – 12' in width, continuing the recreational trail around the lake

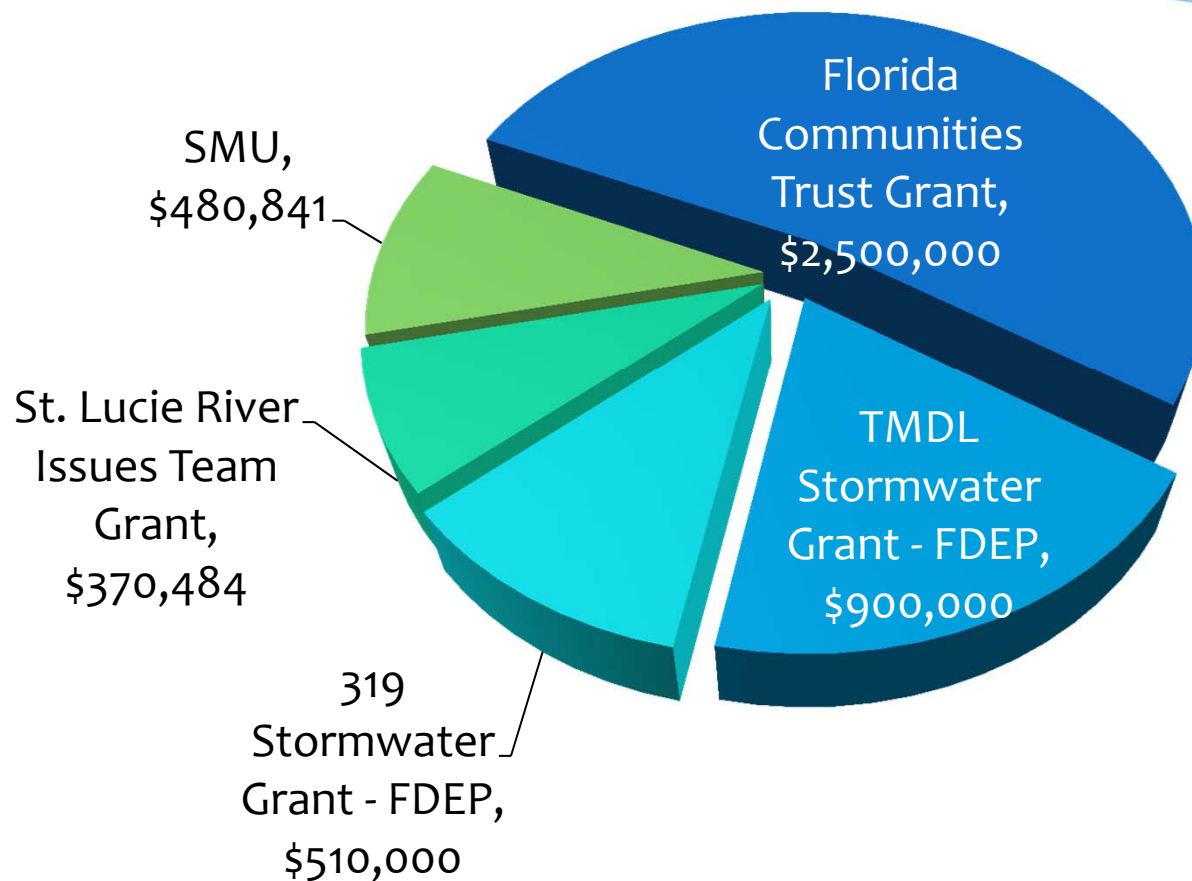
Indian Hills Recreation Area Stormwater Improvements

* Project Cost

* STORMWATER IMPROVEMENTS:	\$1,770,906.68
* LANDSCAPING / EROSION CONTROL:	\$ 488,300.20
* UTILITY RELOCATIONS:	\$ 232,421.20
* PEDESTRIAN TRAIL:	\$ 295,960.34
* TOTAL AMOUNT	\$2,787,588.42

Indian Hills Recreation Area Stormwater Improvements

* Project Funding



**TOTAL AVAILABLE
FUNDING:
\$4,761,325**

Indian Hills Recreation Area Stormwater Improvements

* FCT Grant Requirements

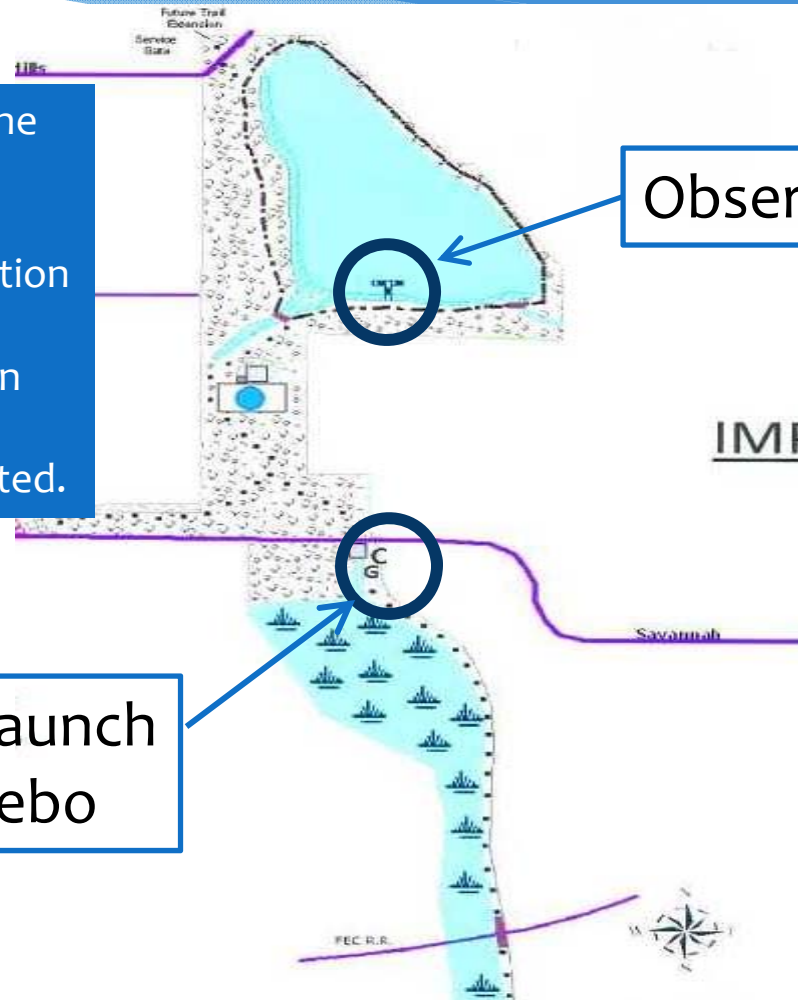
County is responsible for the FCT Grant conditions.

County will begin construction of a canoe launch first and completing the observation pier when the stormwater improvements are completed.

Canoe Launch
and Gazebo

Observation Pier

FCT PARK
IMPROVEMENTS





Groundbreaking Ceremony

February 25, 2014
@ 10:00 a.m.

52 Savannah Road
Fort Pierce, FL