

# Indian Hills Recreation Area Stormwater Improvements

Formerly called Heathcote Botanical Gardens Expansion



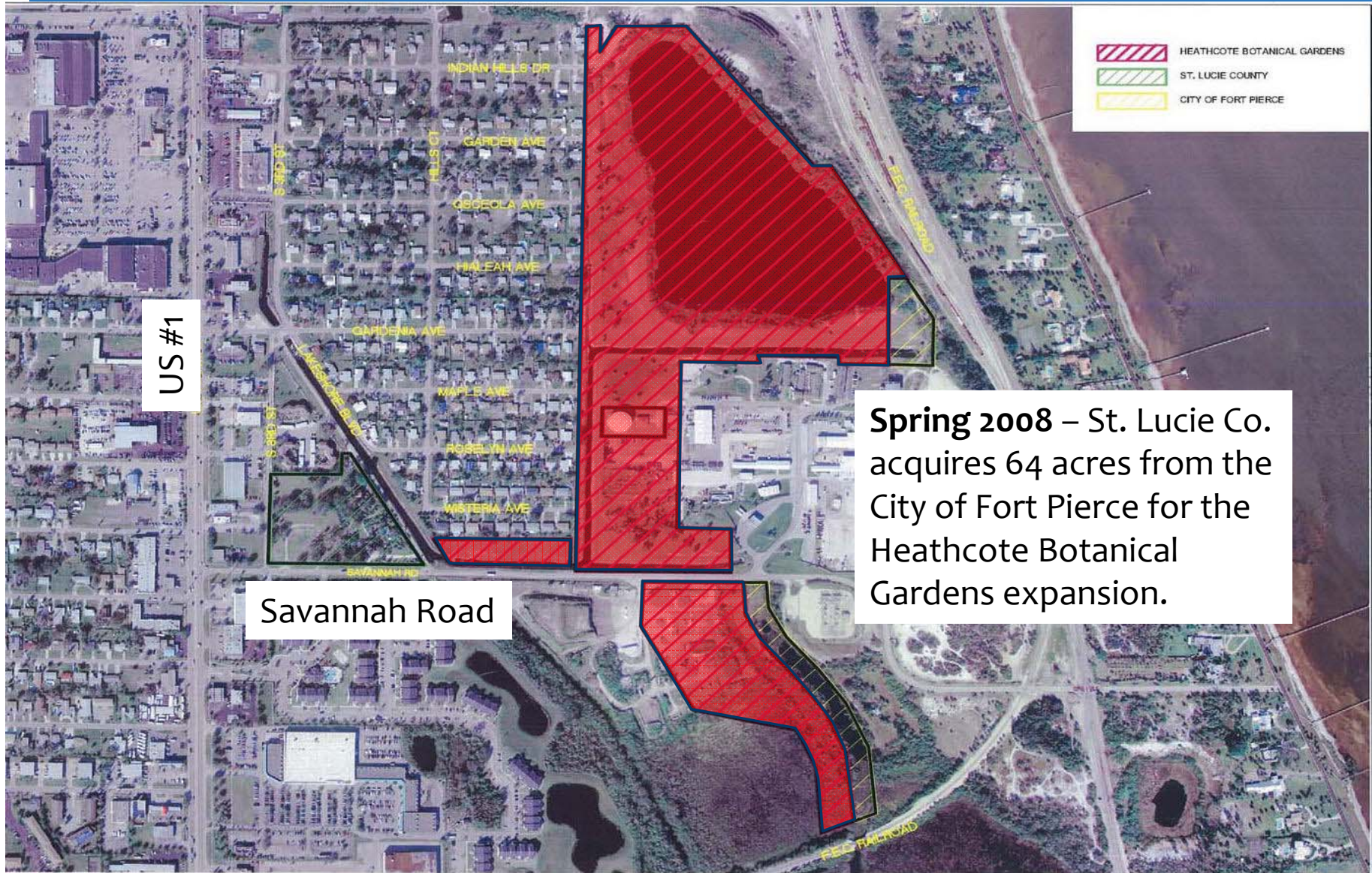
Prepared By:  
City of Fort Pierce  
Engineering Department

# 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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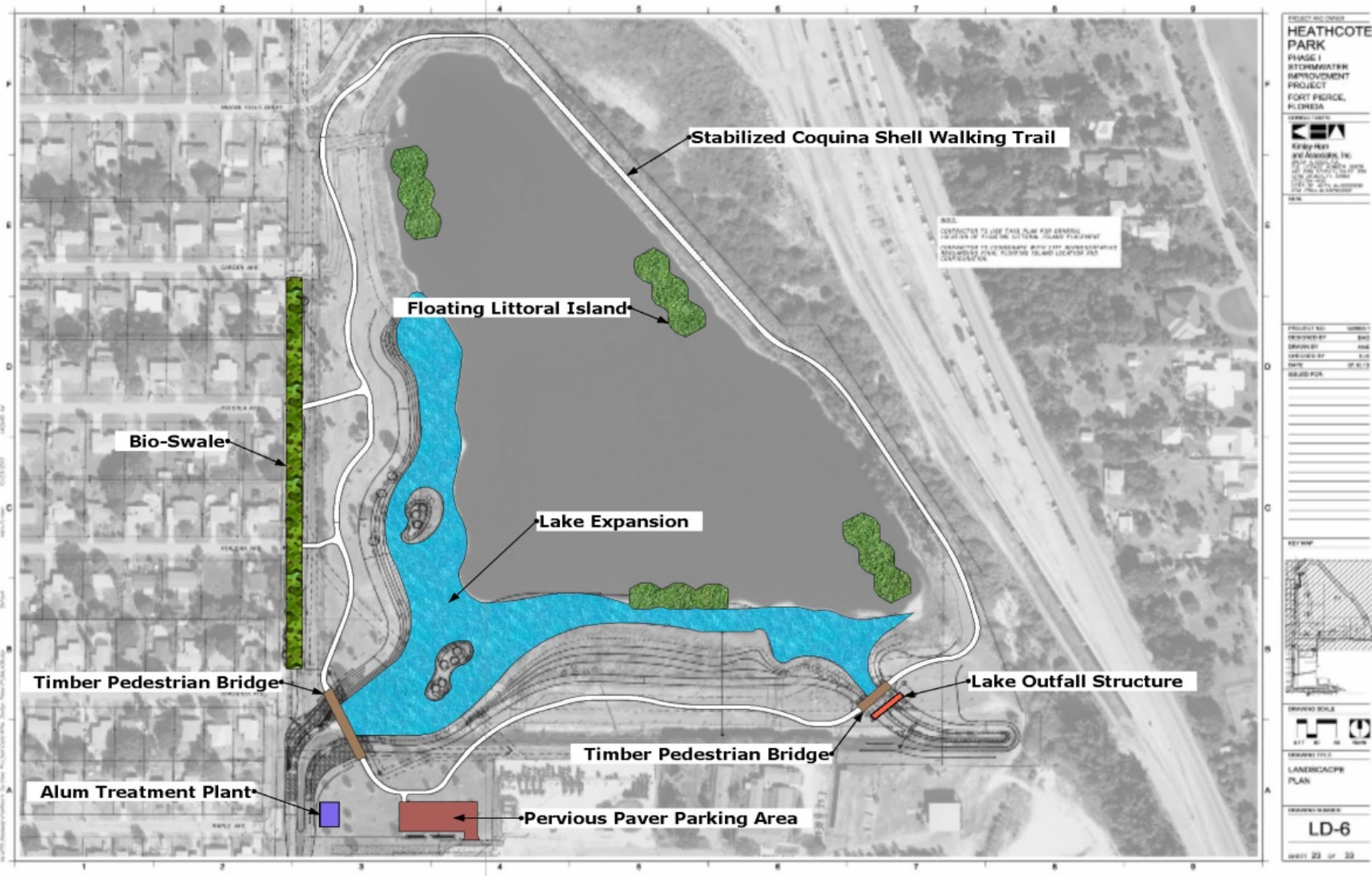
**Existing Conditions**

# Indian Hills Recreation Area Stormwater Improvements



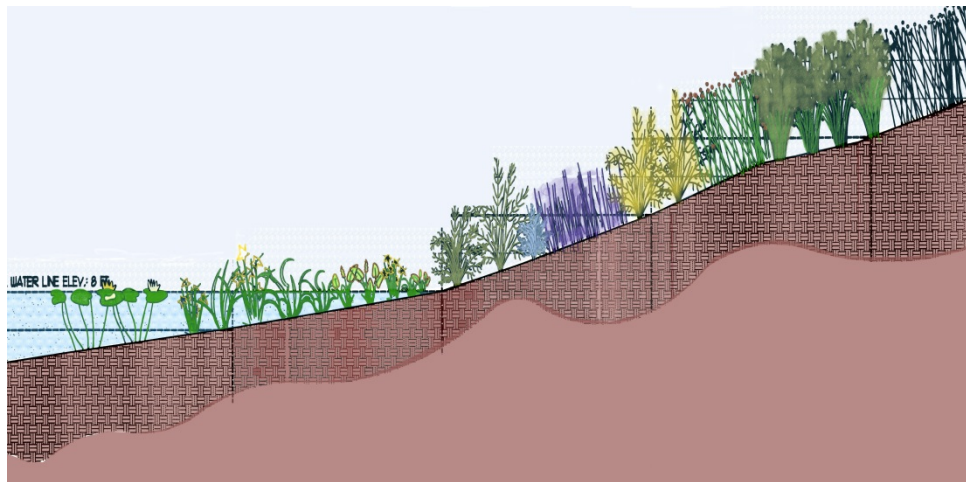
**Existing Conditions**

# Indian Hills Recreation Area Stormwater Improvements



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## \* 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.

# Indian Hills Recreation Area Stormwater Improvements

## \* 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.

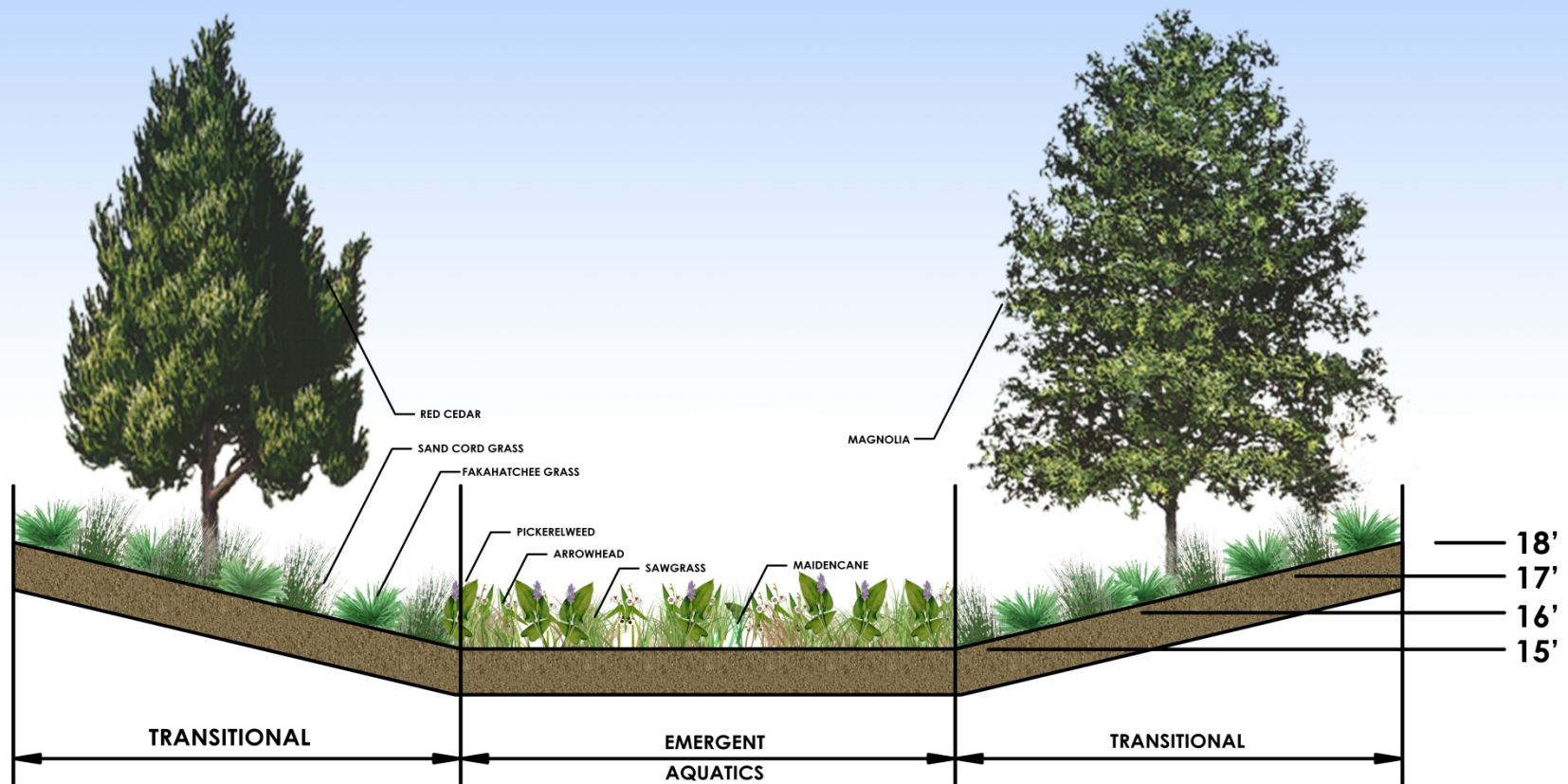


Site Location Plan



Injection Components

# Indian Hills Recreation Area Stormwater Improvements



HEATHCOTE PARK  
TYPICAL BIO-SWALE SECTION

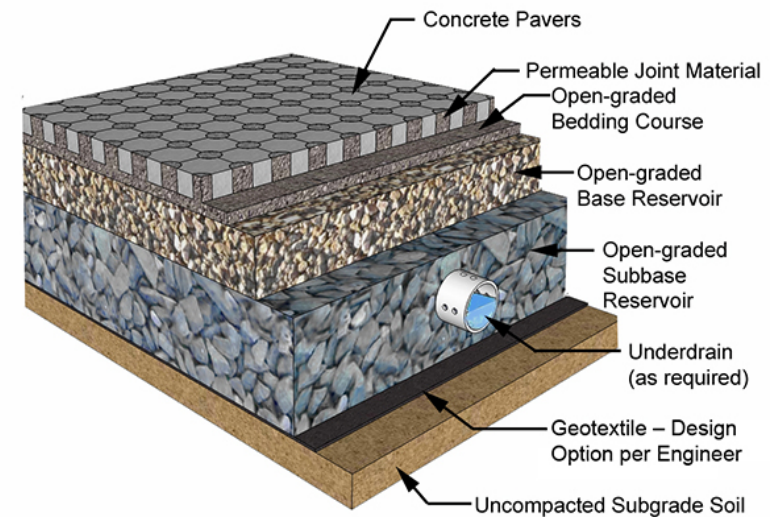


# Indian Hills Recreation Area Stormwater Improvements

## \* 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

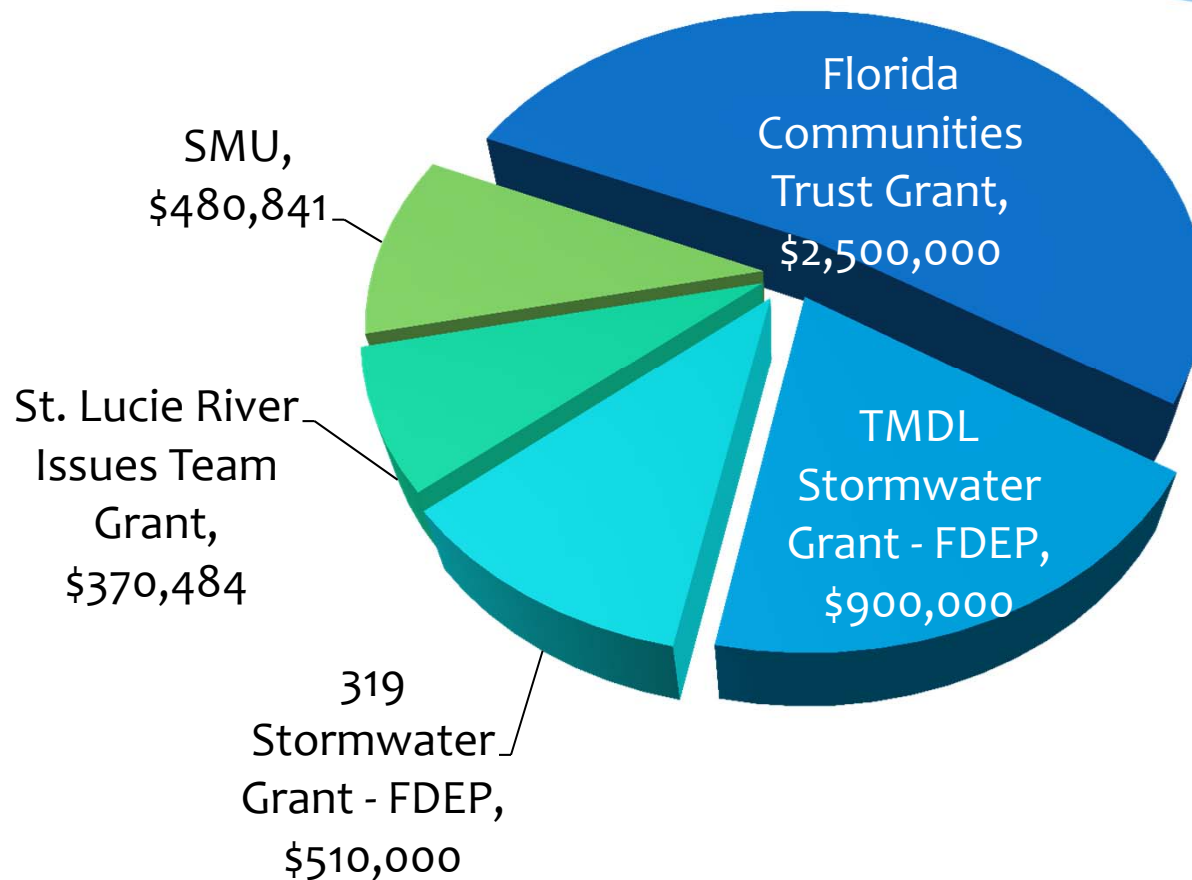
# Indian Hills Recreation Area Stormwater Improvements

## \* Project Cost

* STORMWATER IMPROVEMENTS:	\$1,770,906.68
* LANDSCAPING / EROSION CONTROL:	\$ 488,300.20
* UTILITY RELOCATIONS:	\$ 232,421.20
* PEDESTRIAN TRAIL:	\$ 295,960.34
<hr/>	
* 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

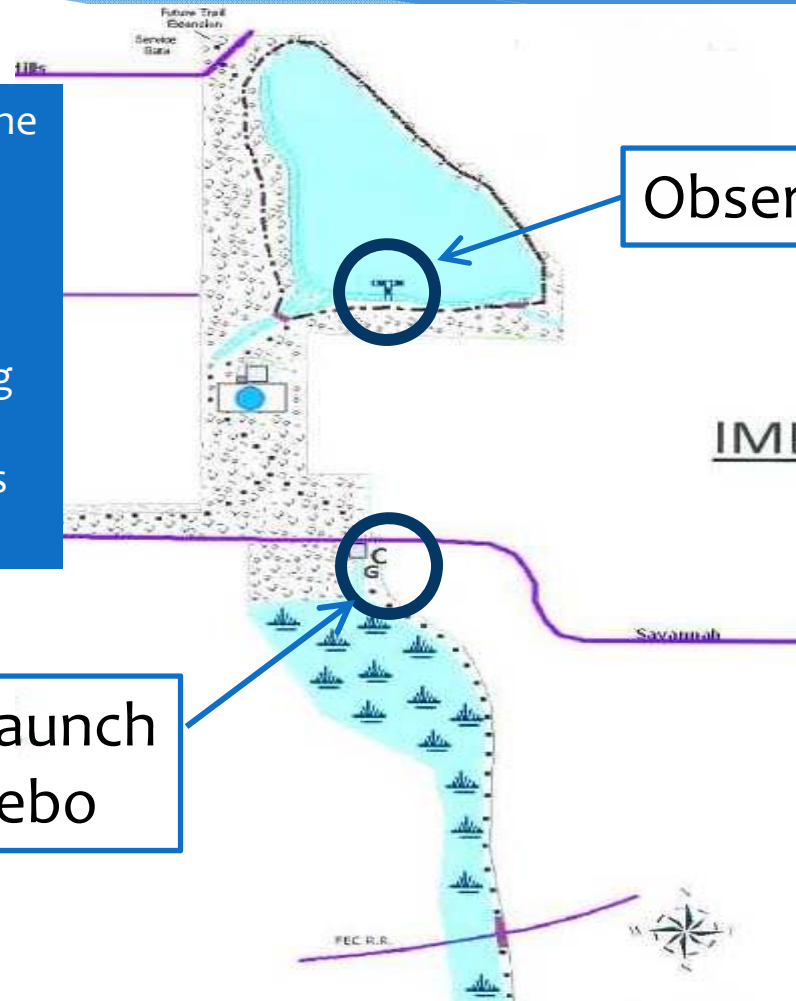
County is responsible for the FCT Grant conditions.

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

Canoe Launch  
and Gazebo

Observation Pier

FCT PARK  
IMPROVEMENTS



Questions?

