

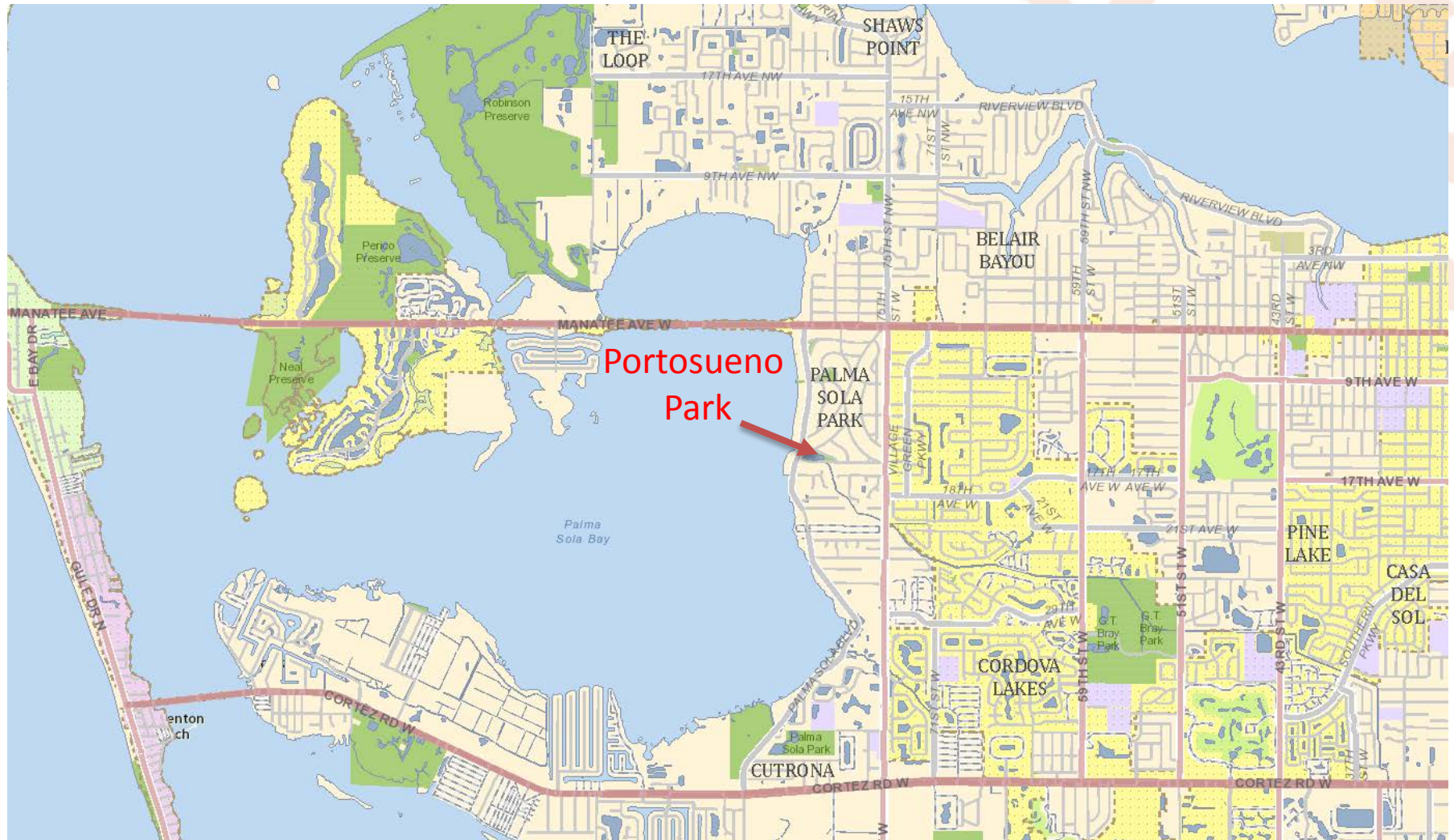
Project:1717

Portosueno Park Living Shoreline and Ecological Enhancements - Concept

*Prepared by: Manatee County Parks and Natural Resources Department
Submitted to FDEP Project Portal as Project Update on 7/13/17*



Portosueno Park - Location



Portosueno Park - Aerial



Portosueno Park Basin - Aerial



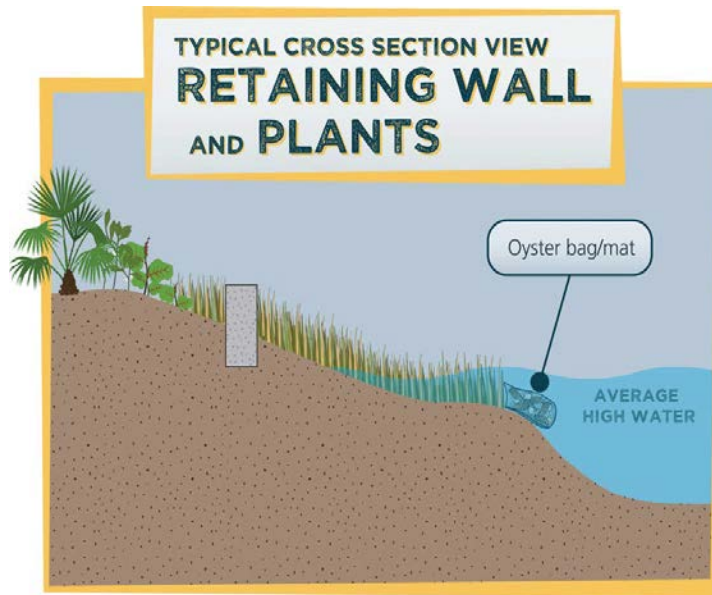
Portosueno Park - North Seawall Condition as of May 2017



Living Shoreline Concept – Type and Cross Section

Retaining Wall and Plants

- With many different types of living shorelines to choose from the best option for this site is “Retaining Wall and Plants”.
- Benefits of Retaining Wall with Plants
 - Retain existing damaged seawall for added strength and long term cost savings.
 - Further strengthens the shoreline making it more storm resistant.
 - Allows the use of rip rap or oyster bags creating more habitat for crabs, fish, oysters, and more while also increasing the coastal resiliency of the shore.



Example of Existing Comparable Living Shoreline



*Marina Jacks,
Sarasota, FL*



Example of Existing Comparable Living Shoreline



*Selby Gardens,
Sarasota, FL*



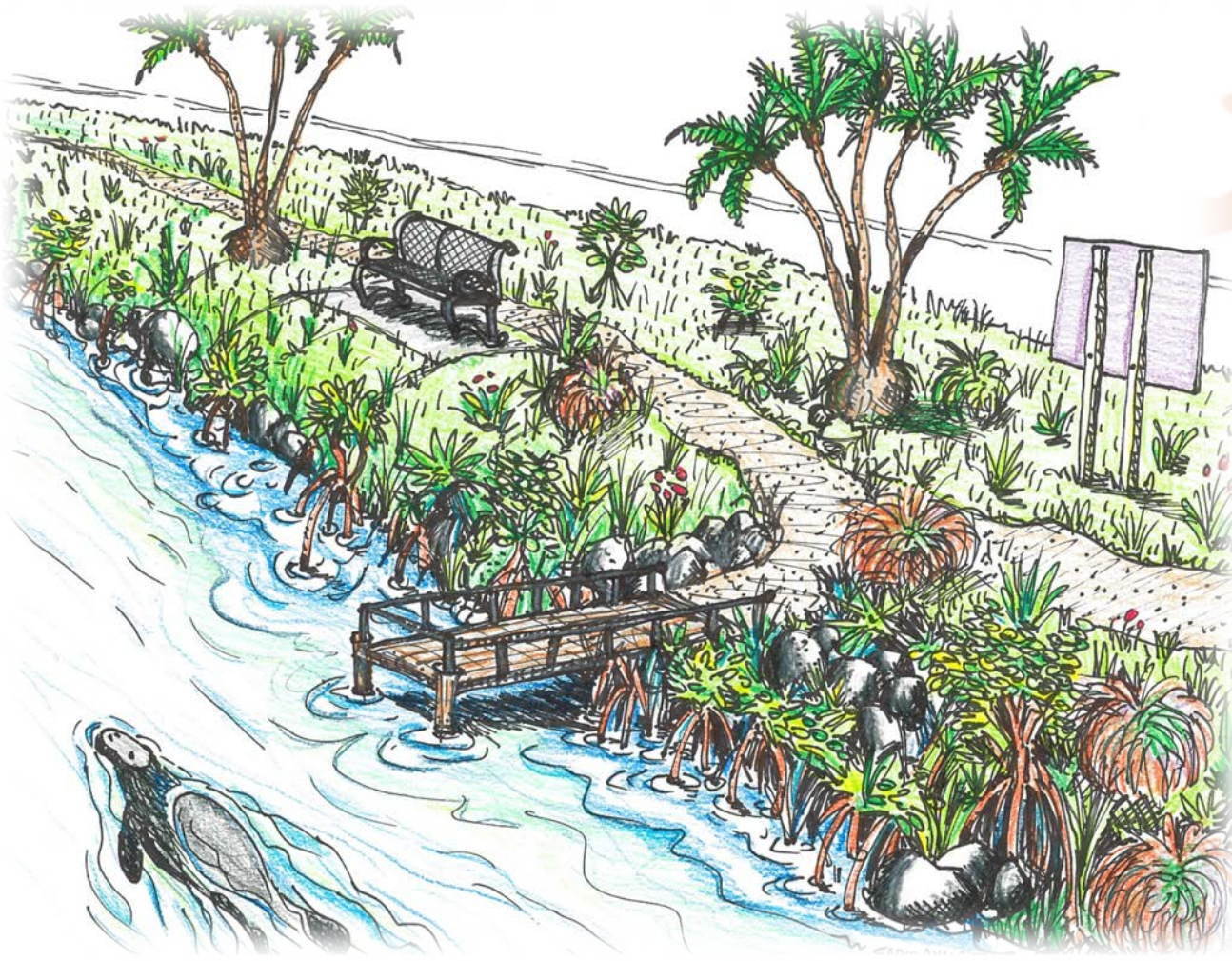
Portosueno Park Concept - Overall



- Replace with seawall in high use areas.
- Replace with living shoreline in low use areas.



Concept - Living Shoreline



- Vegetation and riprap combination on shoreline.
- Access for viewing by observation decks.





