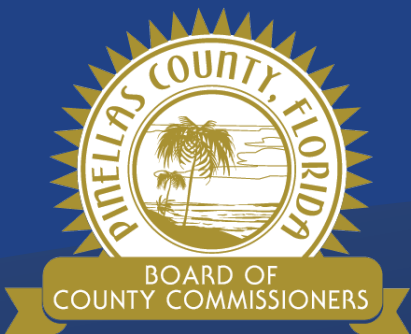


Public Works Project Updates



Robert Meador, PE
Josie Benwell, CPM, ENV SP
Rhonda Bowman, PE
Public Works Department



Our Vision: To Be the Standard for Public Service in America

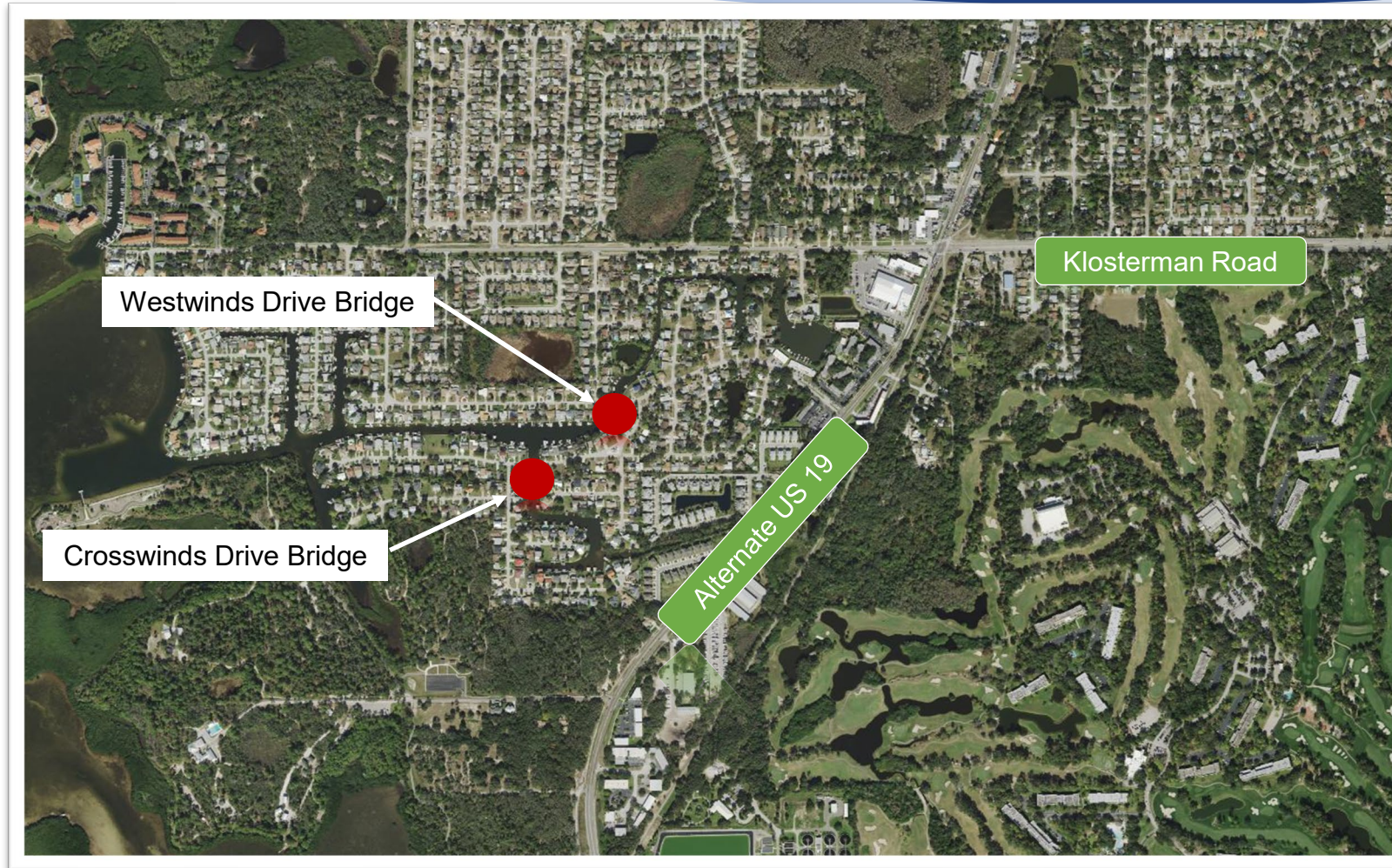


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Project Update

**Westwinds Drive & Crosswinds Drive
Bridge Replacements**

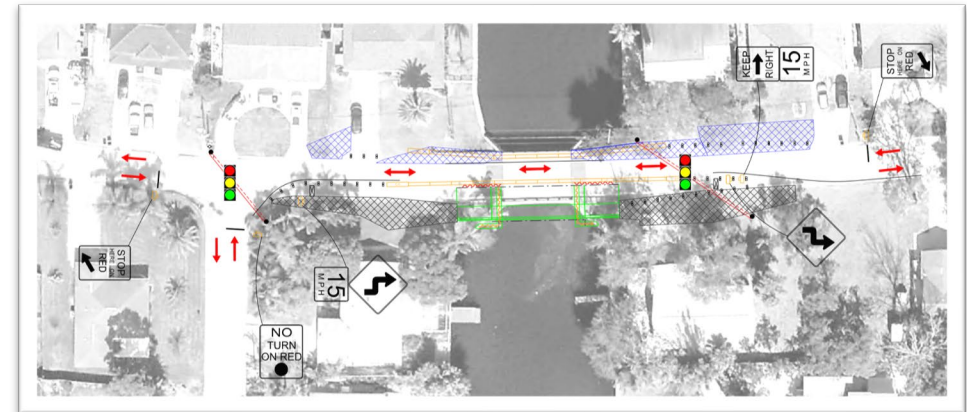
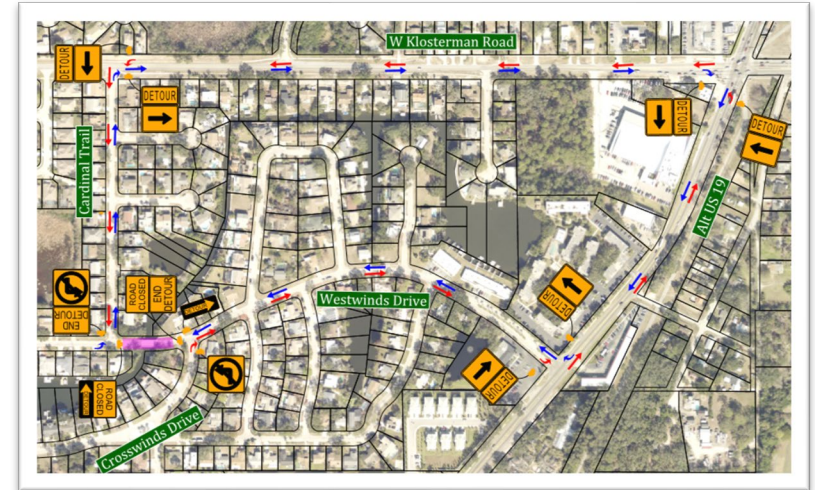
Project Location – Baywood Village



Project Summary and Status

Public Information

- Public Information Meeting – June 24, 2020
 - Virtual Meeting held prior to construction
 - Traffic information and project schedule
- Text Message Alerts
 - Sent to those who have requested alert
 - Text WWCW to 888777
 - Alerts include
 - Road closures,
 - Changes in traffic control,
 - Canal closures, etc.



Project Summary and Status

Westwind Drive Bridge

- Construction Began – July 6, 2020
- Construction Completed – July 9, 2021
- Full Road Closure with Detour
- Opened to Traffic – July 16, 2021
- Cost to Date - \$2.3M
- New Navigational Clearance
 - Mean High Water – 5'-5"
 - Mean Low Water – 7'-7"
 - Increased clearance of 3 ¼"



Westwinds Drive Bridge – Before & After



Project Schedule & Status

Crosswinds Drive Bridge

- Construction Began February 1, 2021
- Phased Construction
 - South half currently under construction
 - ~Phase 2 (north) in December 2021
- Completion ~November 2022
- Bid Cost - \$2.3M
- New Navigational Clearance
 - Mean High Water – 4'-6"
 - Mean Low Water – 6'-7"
 - Increased clearance of 1'-1"



Project Information



Project Information and Updates:
<http://www.pinellascounty.org/wwwc>

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Project Update

Roosevelt Creek Channel 5 Improvements

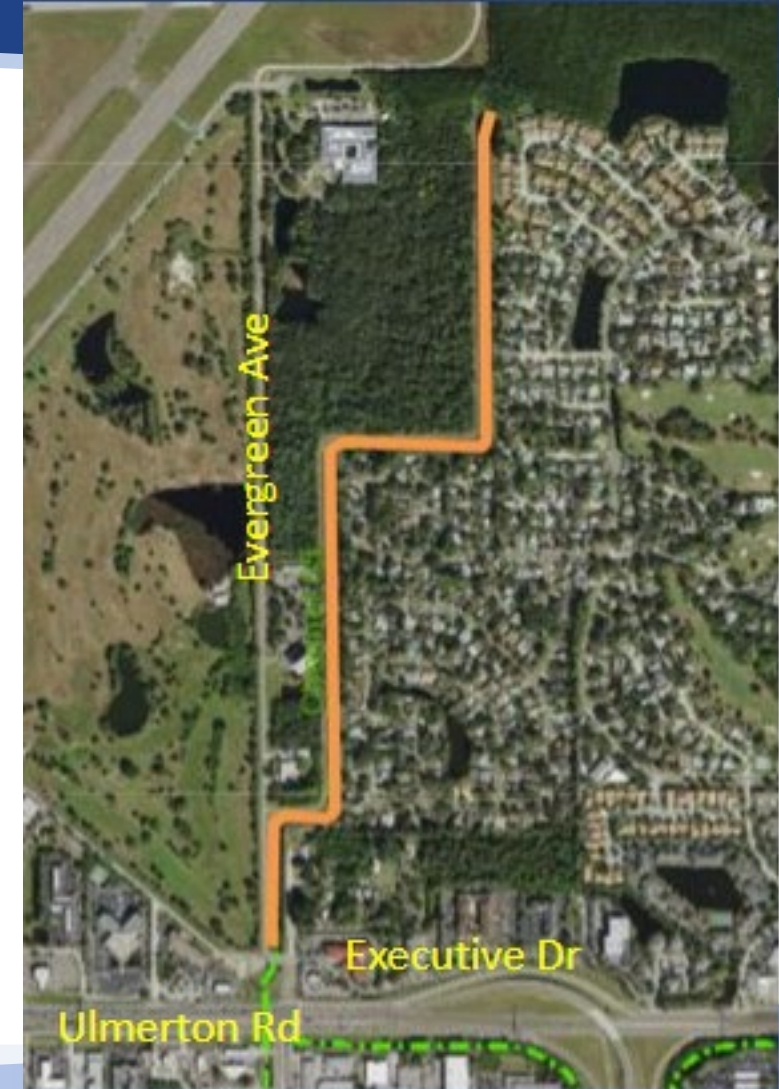
Project Location



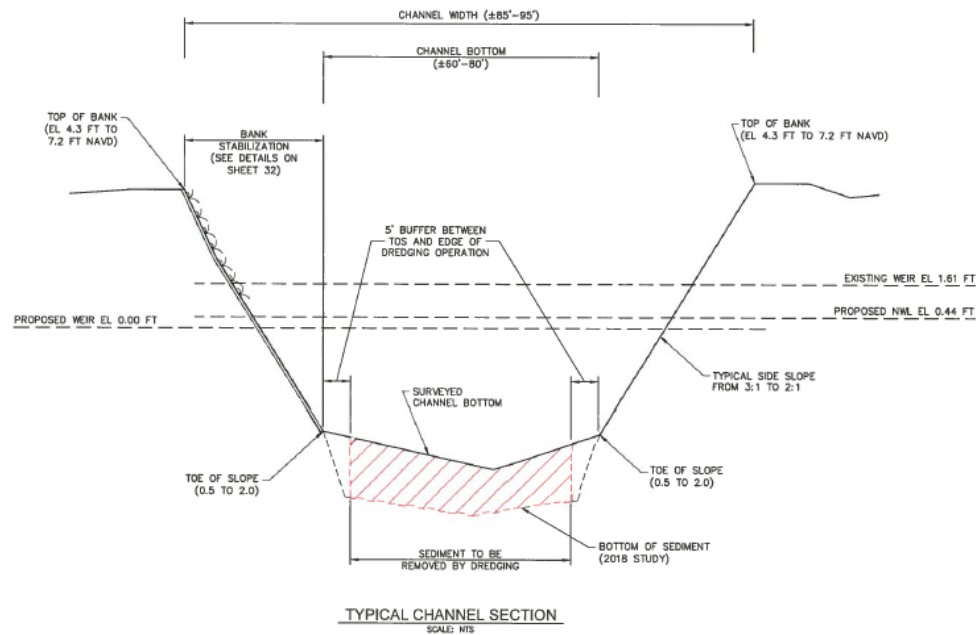
Project Overview



Roosevelt Channel 5 (OSW 1) – Facing west across the existing weir/salinity barrier.
*Water level is typically at or below the weir elevation during winter months.



Project Overview Phase 1



Phase 1

Dredge the
channel



Project Overview Phase 2 & 3

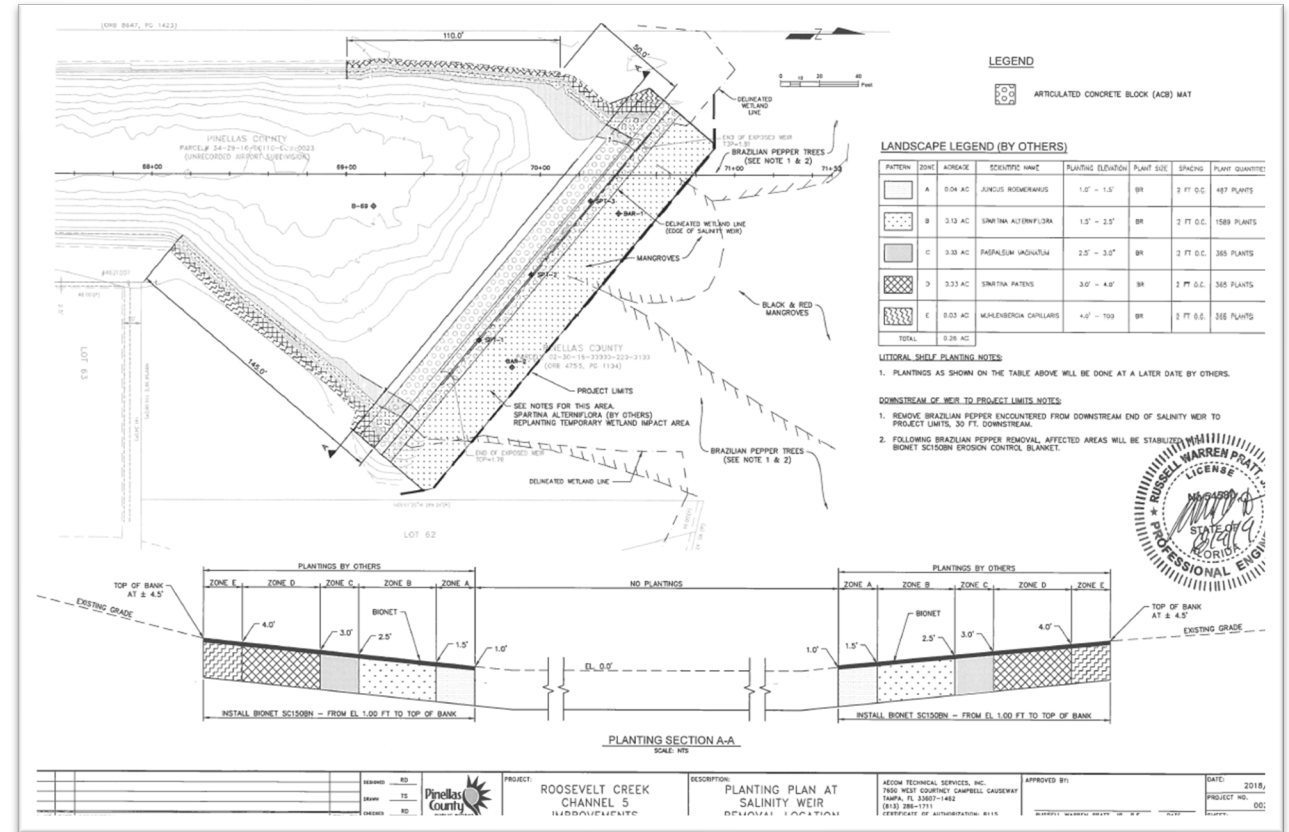
Phase 2

Weir removal

Habitat restoration

Pipe lining

Erosion repair



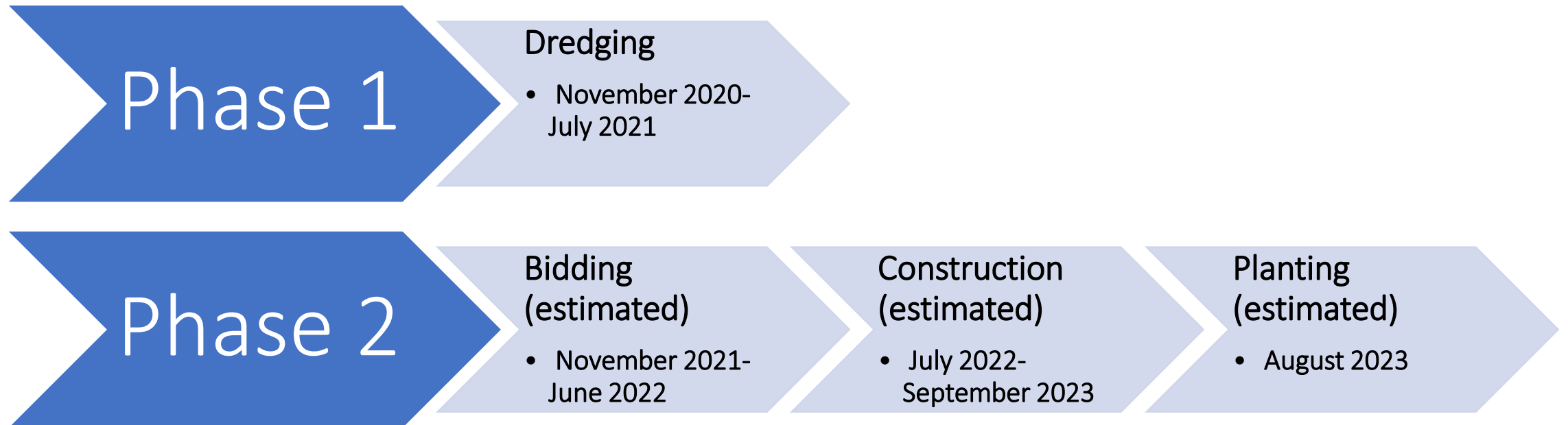
Project Benefits



PROJECT BENEFIT	MEASURE
TBEP CCMP Action	BH-9: Enhance Ecosystem Values of Tidal Tributaries
Flood protection	Reduced flood stages for 13 properties in Feather Sound area
Habitat Restoration	Invasive species removal 13 acres oligohaline Passage for aquatic life

Looking south from the salinity weir

Project Status



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Project Update

Roosevelt Stormwater Facility Improvements

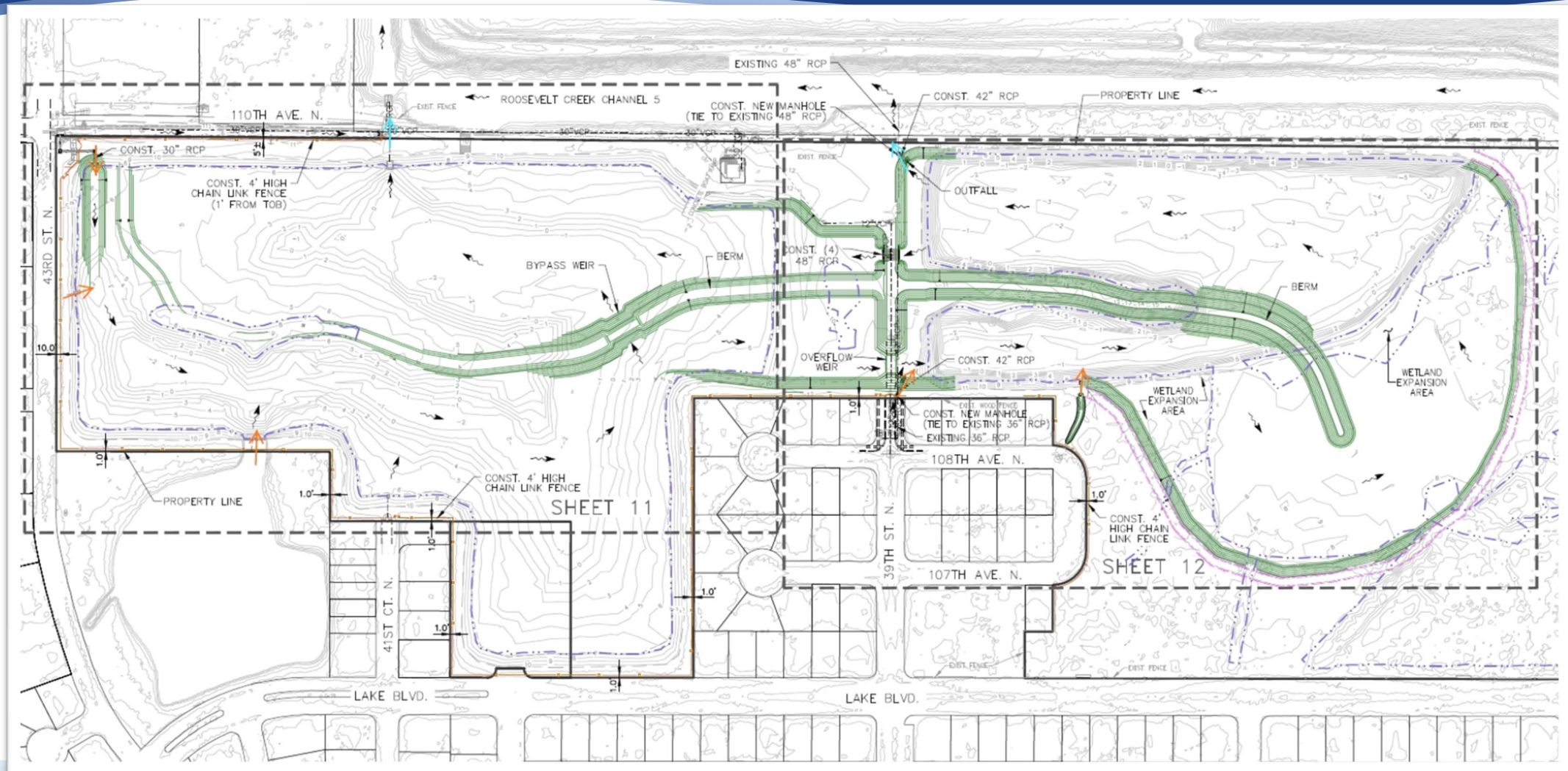
Project Location



Project Overview



Project Overview



Project Benefits



PROJECT BENEFIT	MEASURE
Total Nitrogen Removal	232.5 lbs/yr
Total Phosphorus Removal	52.7 lbs/yr
Total Suspended Solids Removal	6,960.8 lbs/yr
Additional watershed treated	21 acres
Habitat Improvements	6 snags; 1 osprey nest
	17 acres planted
	Invasive species removal

Project Status



Preliminary Engineering

- June 2017- August 2018

Bidding

- October 2019 - May 2020

Invasive Species Removal

- August - October 2021

Educational Signs

- December 2021

Design & Permitting

- August 2018- October 2019

Construction

- June 2020 - April 2021

Planting

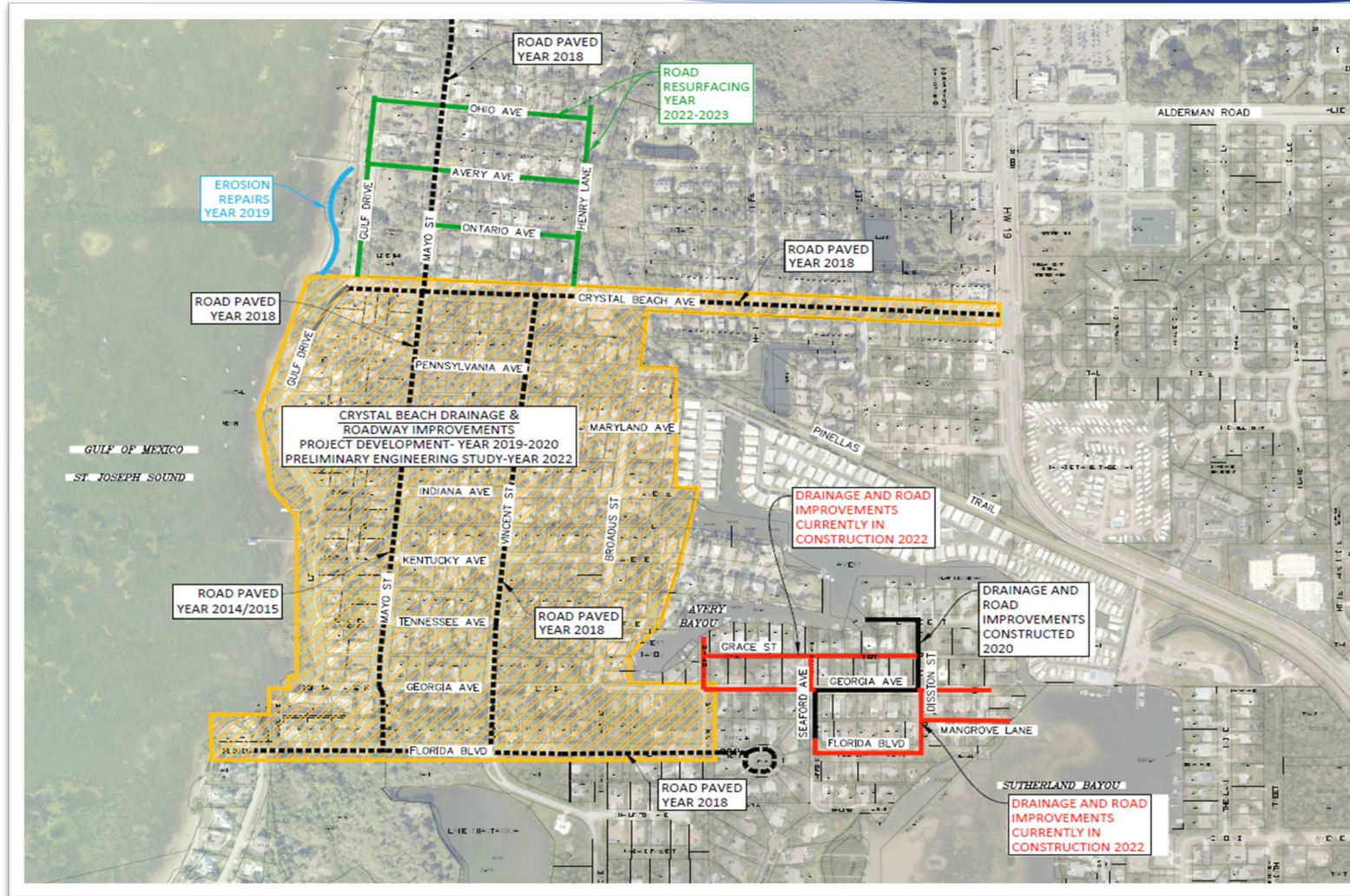
- September 2021

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Project Update

Crystal Beach Drainage and Roadway Improvements

Project Location and Community Plan

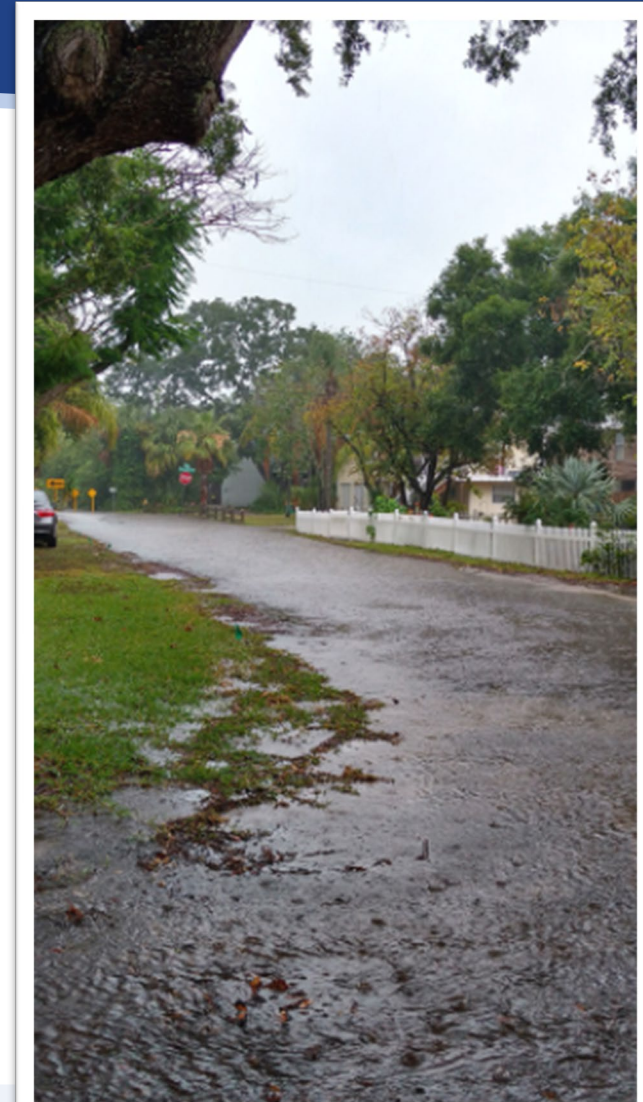


Project Goals

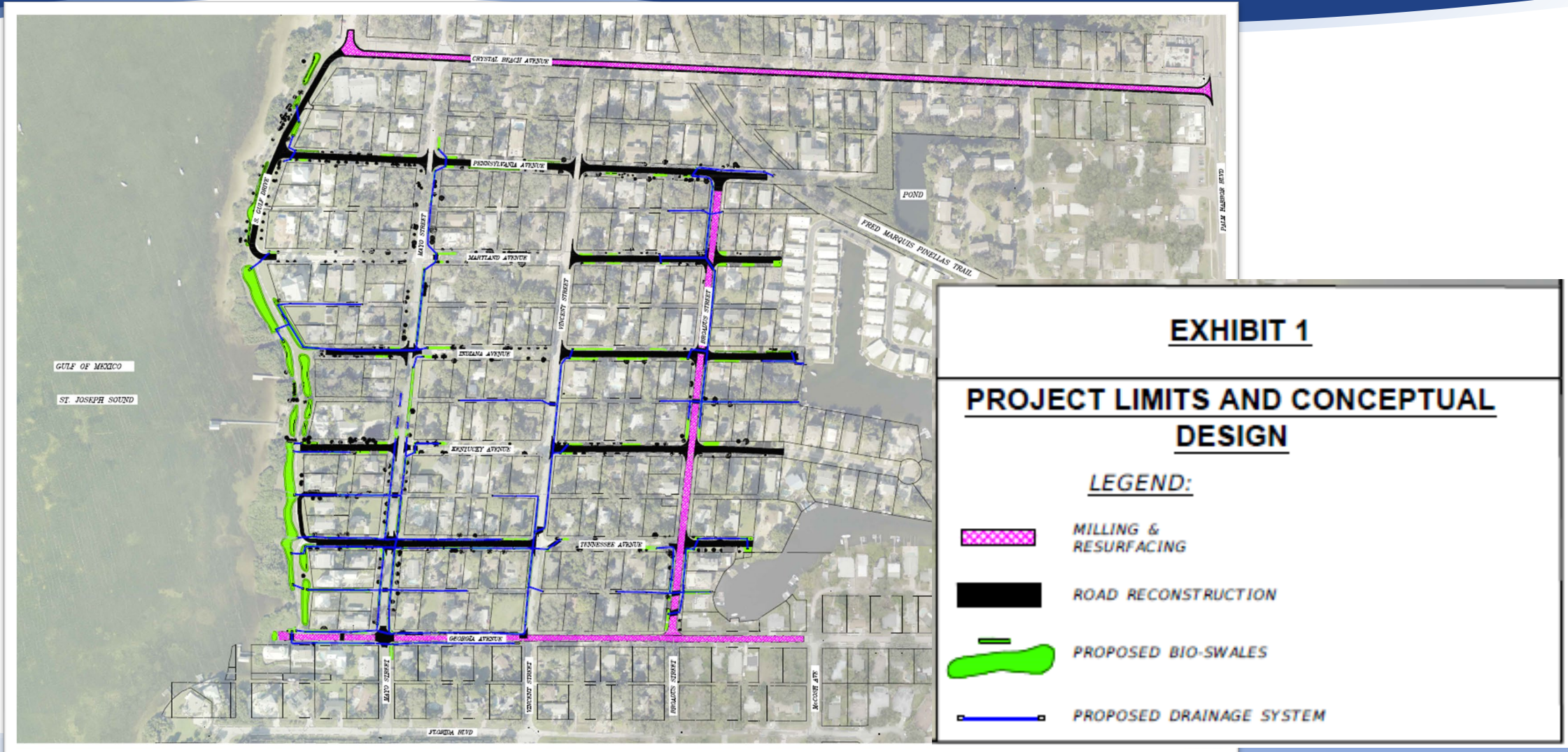
Project Goals

- Improve stormwater management
- Improve aesthetics with native landscaping
- Improve the condition of roadway surfaces (where desired)

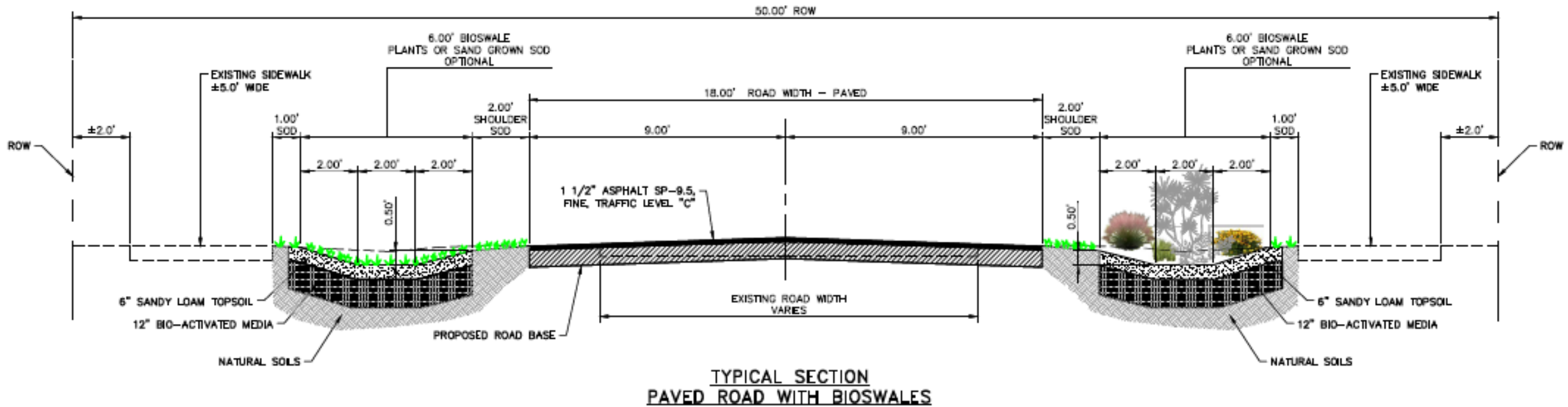
Key Element: Community Partnership



Conceptual Plan



Project Overview



Community Outreach

- Neighborhood Project Information Meeting
- Comment Cards
- Paving Survey
- Project Website



Project Schedule & Status

Completed Items:

- Project development and initial community outreach
- Topographic and ROW survey, pavement cores and soil borings
- CCTV inspection on sanitary sewer main

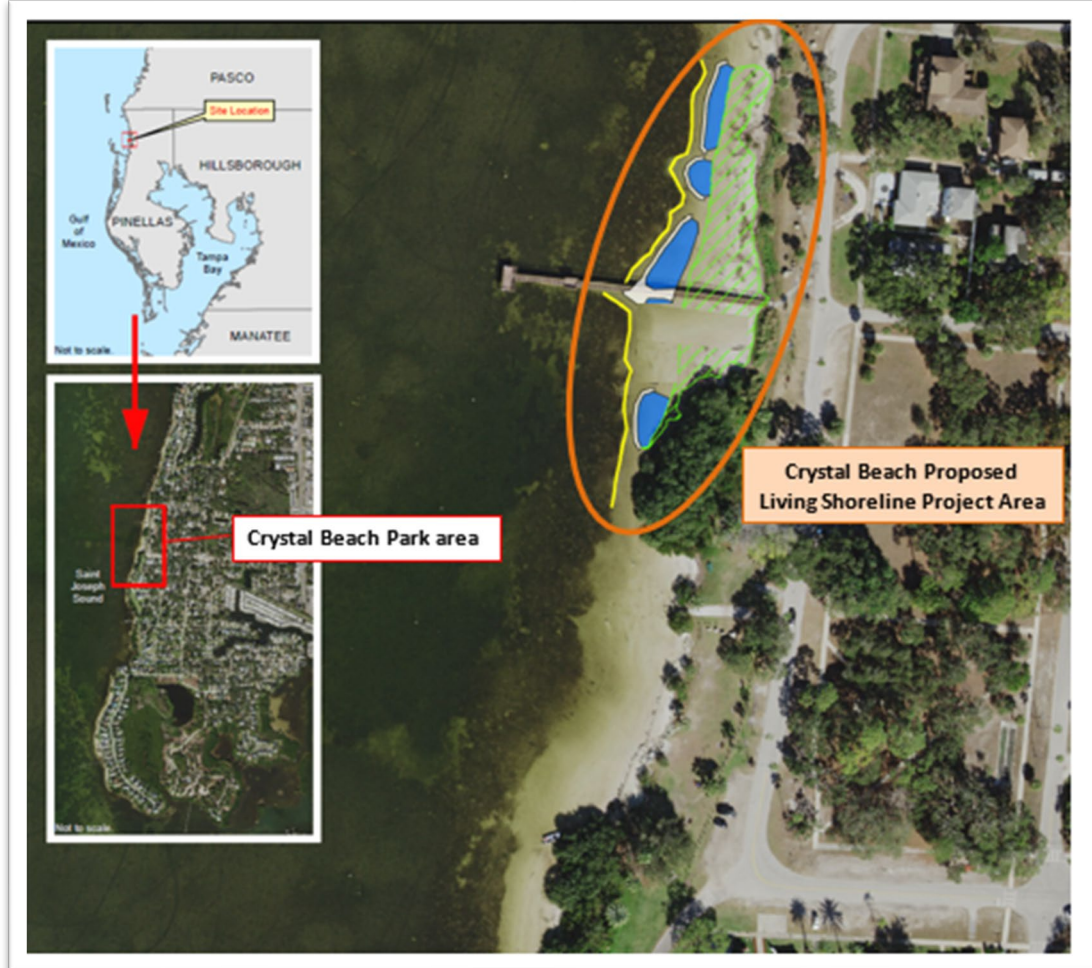
Scope Development and CCNA Procurement Underway

Future Items:

- PER and 45% Plans: Fall 2021 – Spring 2023
- Final Design: Spring 2023 – Spring 2025
- Construction: Spring 2025 – Fall 2026



Project Overview Living Shoreline



Project in design

- Funding assistance from FDEP

Objectives

- Enhance coastal resilience and reduce erosion
- Improve water quality and habitat
- Demonstrate living shoreline elements and provide education to the public
- Engage community volunteers

Plan to install living shoreline elements in Fall 2022 with additional grant assistance



Thank you