



Florida Department of Environmental Protection

Deepwater Horizon Program

Norriego Point Beach Restoration, Stabilization and Recreation Improvement Project

February 8, 2018





Presentation Outline

1. Brief History of Norriego Point Project
2. Norriego Point Beach Restoration, Stabilization and Recreation Improvement Project Funding
3. NRDA Process and Requirements
4. Restoration/Stabilization/Recreation Project Description
5. Questions





Project History

- 1995 – Hurricane Opal
- 1999 -Stabilization First Recommended in IMP
- 2008 - Stabilization Design Commenced
- 2009 – City of Destin Commissioned a Feasibility Study
- 2008 – 2016 - Numerous Design Revisions
- 2011 – City of Destin submitted an application for project to be considered for funding under the DWH NRDA ERP
- 2013 - Project permitted June
 - Rock/Sheet pile and All-Rock Alternatives





Project History (Cont.)

- 2012 - Project Submitted by the City of Destin for Consideration Under the NRDA DWH ERP
- 2014 - Project Selected for DWH NRDA ERP Phase III and Funding Received
- 2015 – FDEP solicited/awarded/contracted for Value Engineering services & Preparation of Construction Documents
- 2017 – FDEP issues ITB, awards construction contract and starts construction of Shoreline Stabilization and Beach Restoration Component





Project History (Cont.)

- Summer - Fall 2018 – Vegetation of Constructed Dune
- Fall 2018 – Spring 2019 – Construction of Recreation Facilities
- Summer 2019 – Project Completed





Project Funding

- NRDA ERP - \$10,228,130
 - Beach Restoration/Stabilization
 - Recreational Facilities
- FDEP Beaches Restoration Grant - \$3,768,750
 - Beach Restoration/Stabilization





NRDA Process

- Applications submitted by the City, County, State & Federal Agencies, NGOs, and/or individuals
- Review and Selection Process – TIG (DEP, FWC, NOAA, USDA, DOI, USACOE, EPA)
- Public Input
- Environmental and Cultural Resource Review(s)
- Final Project Selection & Receipt of NRDA Funding





AII FL DWH NRDA ERP Projects Authorized to Date





Project Types

Recreational

- State Park improvements (4)
- Boat Ramp Construct (3)
- Boat Ramp Enhance (11)
- Boardwalks (2)
- Dune walkovers (3)
- Pier Construct (3)
- Pier Enhance (3)
- Other Local park facilities and improvements (4)
- Fish hatchery (1)
- Artificial reefs (1)

Recreational – cont.

- New or Improved Coastal Access (8)
- Scallop enhancement (1)
- Wildlife viewing and fishing areas (2)
- Shoreline stabilization and beach nourishment (2)

Ecological

- Living shorelines (2)
- Dune restoration (2)
- Seagrass restoration (2)
- Oyster cultch placement (1)
- Birds (1)
- Turtles (1)





Project Components

- **Stabilization Component – Fall 2017 – Summer 2018**

- Project Shall Restore Approx. 1200 LF of Shoreline
- 3,000 LF Shoreline Open to the Public Upon Completion
- 5.4 AC of Beach Restoration and Dune construction from Dredging within Federal Navigation Channel in East Pass (North of Hwy 98 Bridge) and entrance to Destin Harbor
- Total Area of the Park – 13 AC
- Shoreline Stabilization consisted of construction of new groins and rehabilitation of existing groins through a combination of Marine Mattresses (foundation), rock (protection) and composite sheet pile (sand retention)





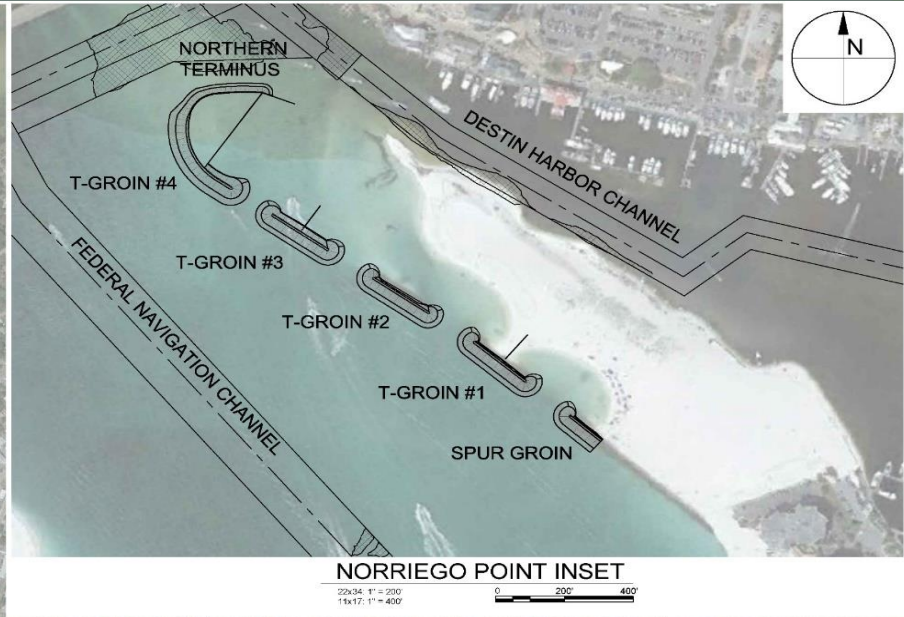
Project Components (Cont.)

- **Dune Vegetation Component –Summer 2018- Fall 2018**
 - 5+ AC
- **Recreation Component – Fall 2018 –Spring 2019**
 - Restroom Facility
 - Entrance & Parking Improvements
 - Outdoor Shower / Water Fountains
 - Bicycle Parking
 - Boardwalks and Multi-use Trail
 - ADA Accessibility



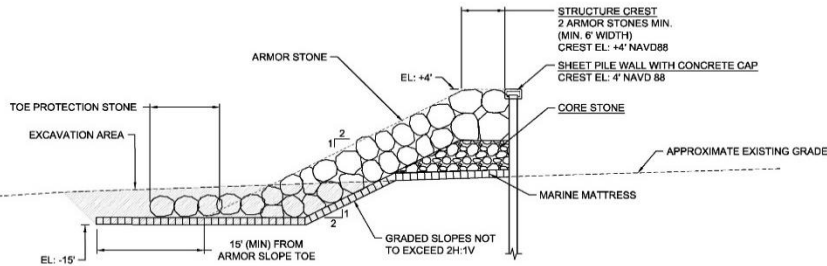


Stabilization Components

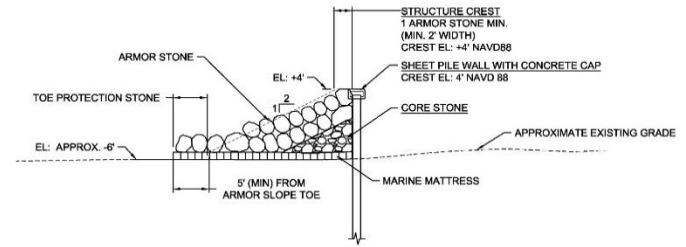




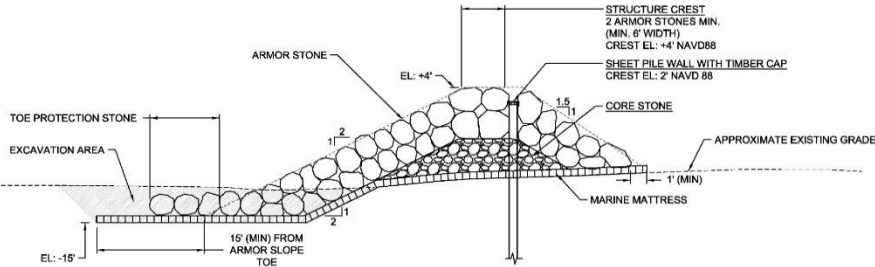
Stabilization Components



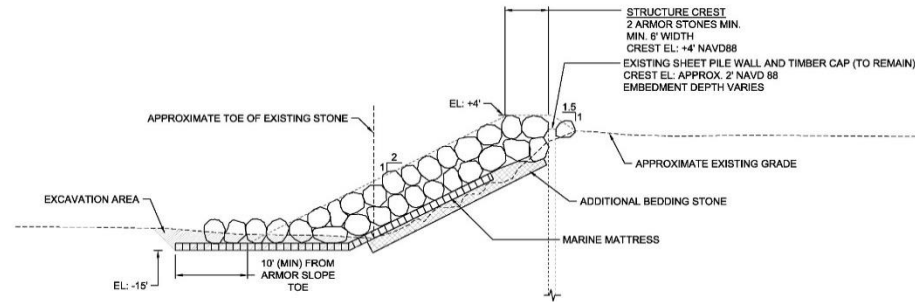
TYPICAL NORTHERN SECTION



NORTHERN TERMINUS SECTION



TYPICAL T-GROIN SECTION

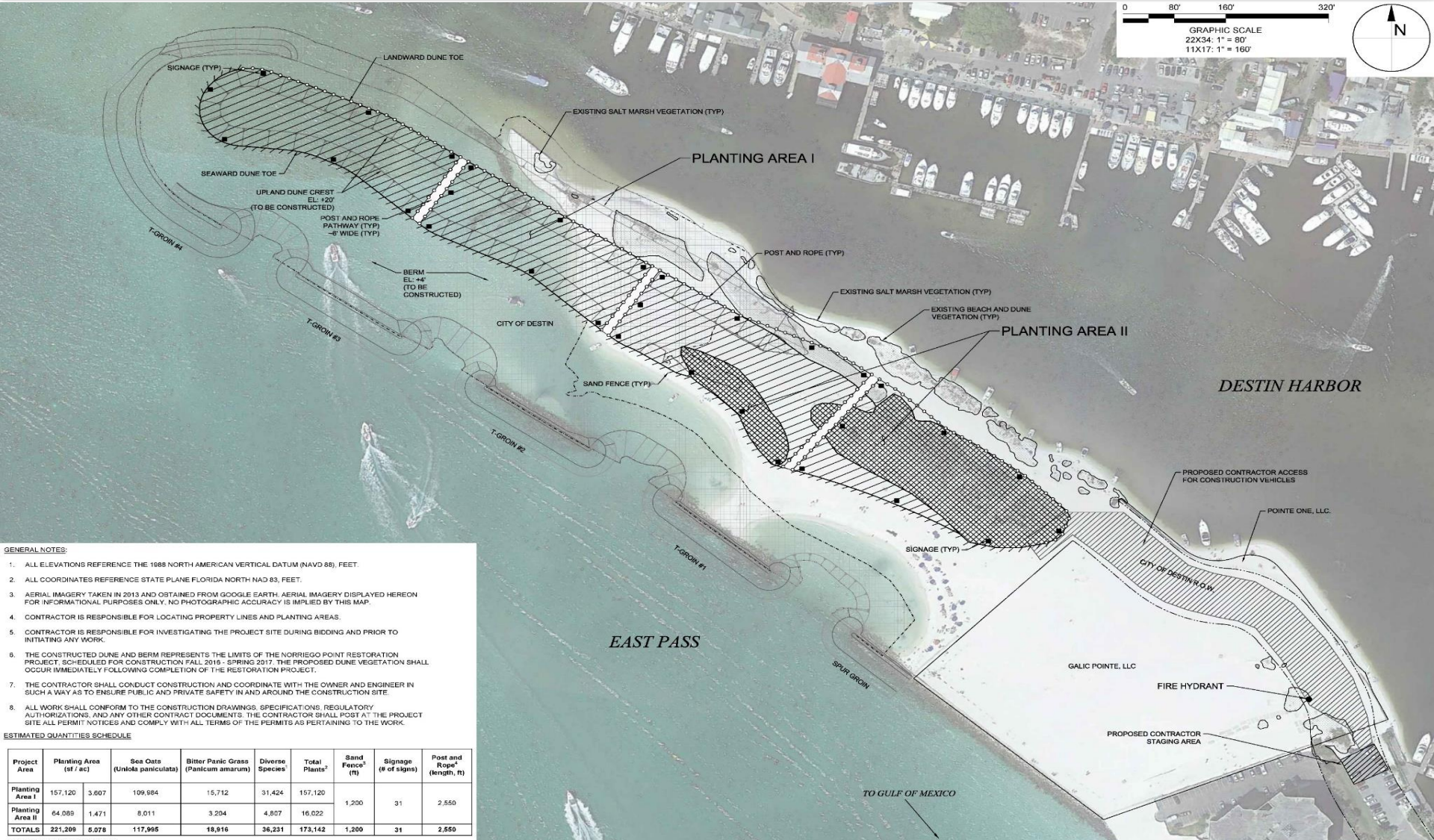


EXISTING T-GROIN TYPICAL SECTION





Stabilization Components Dune Construction



GENERAL NOTES:

1. ALL ELEVATIONS REFERENCE THE 1988 NORTH AMERICAN VERTICAL DATUM (NAVD 88), FEET.
2. ALL COORDINATES REFERENCE STATE PLANE FLORIDA NORTH NAD 83, FEET.
3. AERIAL IMAGERY TAKEN IN 2013 AND OBTAINED FROM GOOGLE EARTH. AERIAL IMAGERY DISPLAYED HEREIN FOR INFORMATIONAL PURPOSES ONLY. NO PHOTOGRAPHIC ACCURACY IS IMPLIED BY THIS MAP.
4. CONTRACTOR IS RESPONSIBLE FOR LOCATING PROPERTY LINES AND PLANTING AREAS.
5. CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING THE PROJECT SITE DURING BIDDING AND PRIOR TO INITIATING ANY WORK.
6. THE CONSTRUCTED DUNE AND BERM REPRESENTS THE LIMITS OF THE NORRIEGO POINT RESTORATION PROJECT SCHEDULED FOR CONSTRUCTION FALL 2016 - SPRING 2017. THE PROPOSED DUNE VEGETATION SHALL OCCUR IMMEDIATELY FOLLOWING COMPLETION OF THE RESTORATION PROJECT.
7. THE CONTRACTOR SHALL CONDUCT CONSTRUCTION AND COORDINATE WITH THE OWNER AND ENGINEER IN SUCH A WAY AS TO ENSURE PUBLIC AND PRIVATE SAFETY IN AND AROUND THE CONSTRUCTION SITE.
8. ALL WORK SHALL CONFORM TO THE CONSTRUCTION DRAWINGS, SPECIFICATIONS, REGULATORY AUTHORIZATIONS, AND ANY OTHER CONTRACT DOCUMENTS. THE CONTRACTOR SHALL POST AT THE PROJECT SITE ALL PERMIT NOTICES AND COMPLY WITH ALL TERMS OF THE PERMITS AS PERTAINING TO THE WORK.

ESTIMATED QUANTITIES SCHEDULE

Project Area	Planting Area (sf / ac)	Sea Oats (Uniola paniculata)	Bitter Panic Grass (Panicum amarum)	Diverse Species ¹	Total Plants ²	Sand Fence ³ (ft)	Signage (No of signs)	Post and Rope ⁴ (length, ft)	
Planting Area I	157,120	3,607	109,984	15,712	31,424	157,120	1,200	31	2,550
Planting Area II	64,089	1,471	8,011	4,807	16,022				
TOTALS	221,209	5,078	117,995	18,916	36,231	173,142	1,200	31	2,550

ESTIMATED QUANTITY NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT QUANTITIES NEEDED TO ATTAIN THE INTENT OF THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
1. SPECIES SELECTED BY CONTRACTOR AND APPROVED BY ENGINEER. SEE SPECIFICATIONS.
2. ESTIMATED PLANT QUANTITIES PROVIDED ARE BASED ON PROPOSED PLANTING AREAS SHOWN.
3. ESTIMATED QUANTITY PROVIDED IS THE TOTAL LINEAR FEET OF SAND FENCE.
4. ESTIMATED QUANTITY IS THE LINEAR DISTANCE ALONG THE PATHWAYS AND POST AND ROPE SECTIONS SHOWN IN THE DRAWINGS. ESTIMATE DOES NOT INCLUDE ADDITIONAL ROPE NEEDED FOR POST AND PATHWAY CONNECTIONS. CONTRACTOR RESPONSIBLE FOR DETERMINING ACTUAL QUANTITY.

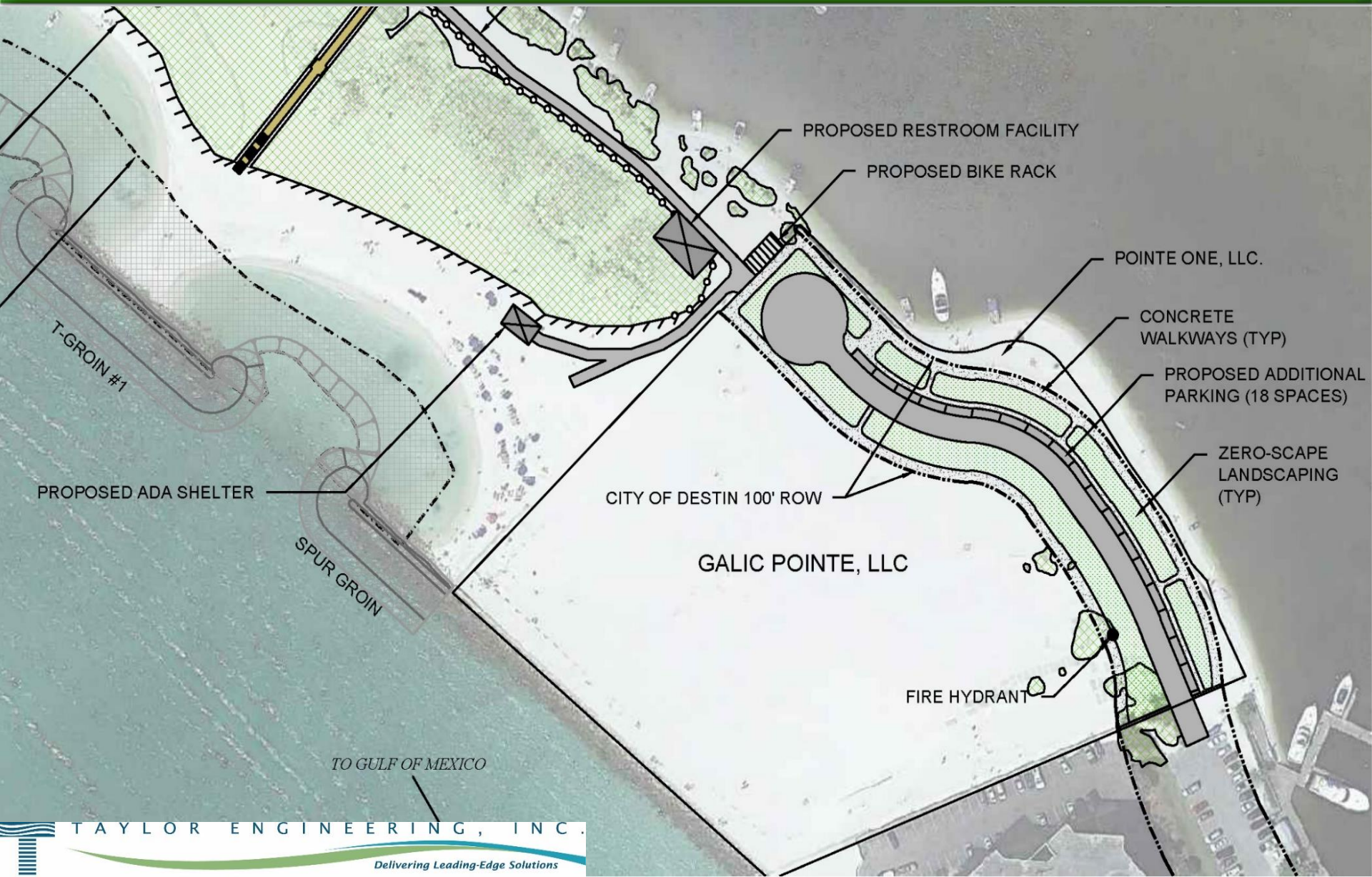


Recreation Improvement Components





Recreation Improvement Components





Norriego Point Summer 2019





For Further Information

- Pearce L. Barrett III, P.E., FCCM
NRDA Project Coordinator
Pearce.Barrett@dep.state.fl.us
850-245-2106

- Rachel Horne
Gulf Coast Public Affairs Manager
Rachel.Horne@dep.state.fl.us
850-245-2107



Questions?