

schematic design

Anclore River Park

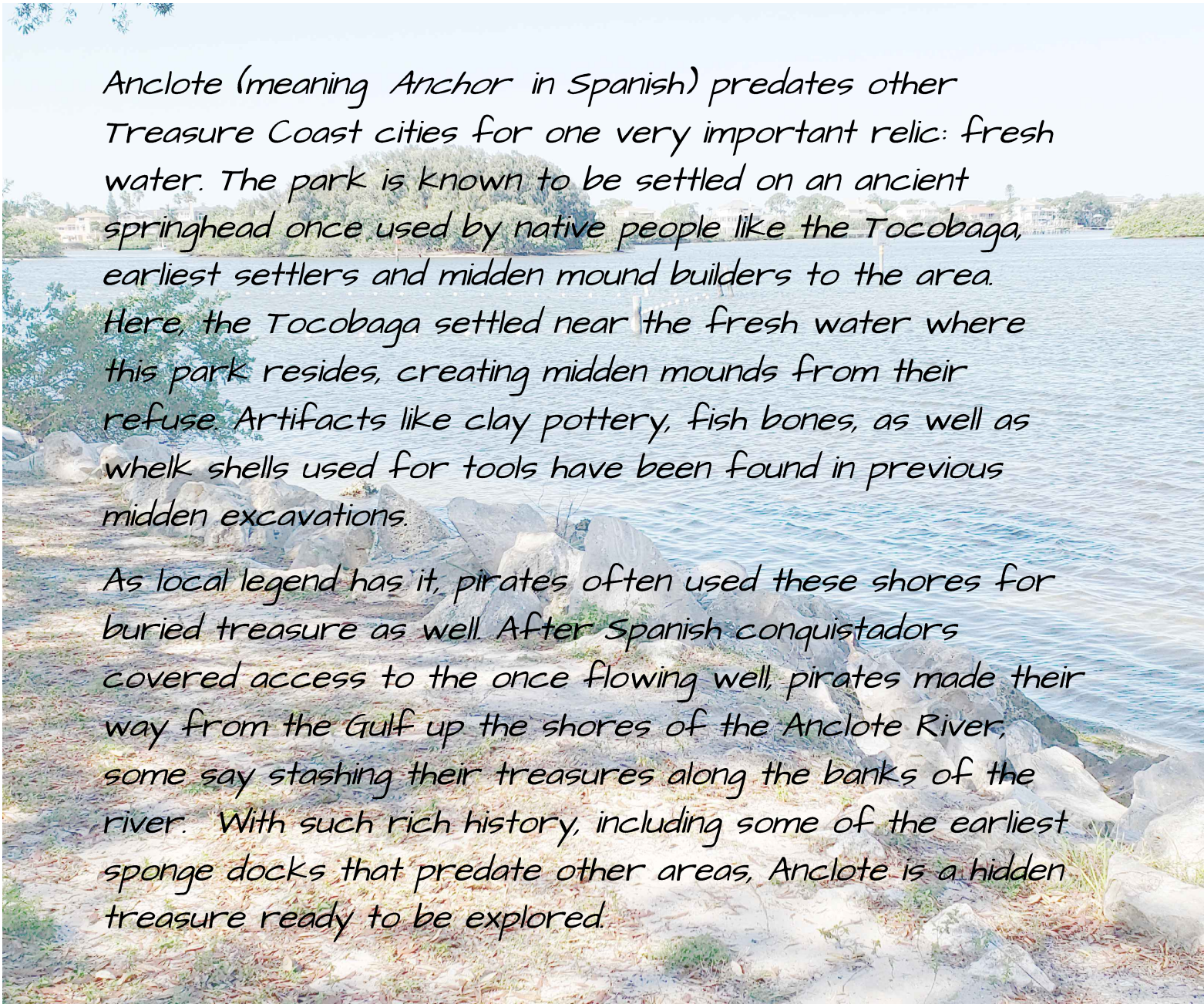
08/13/2020



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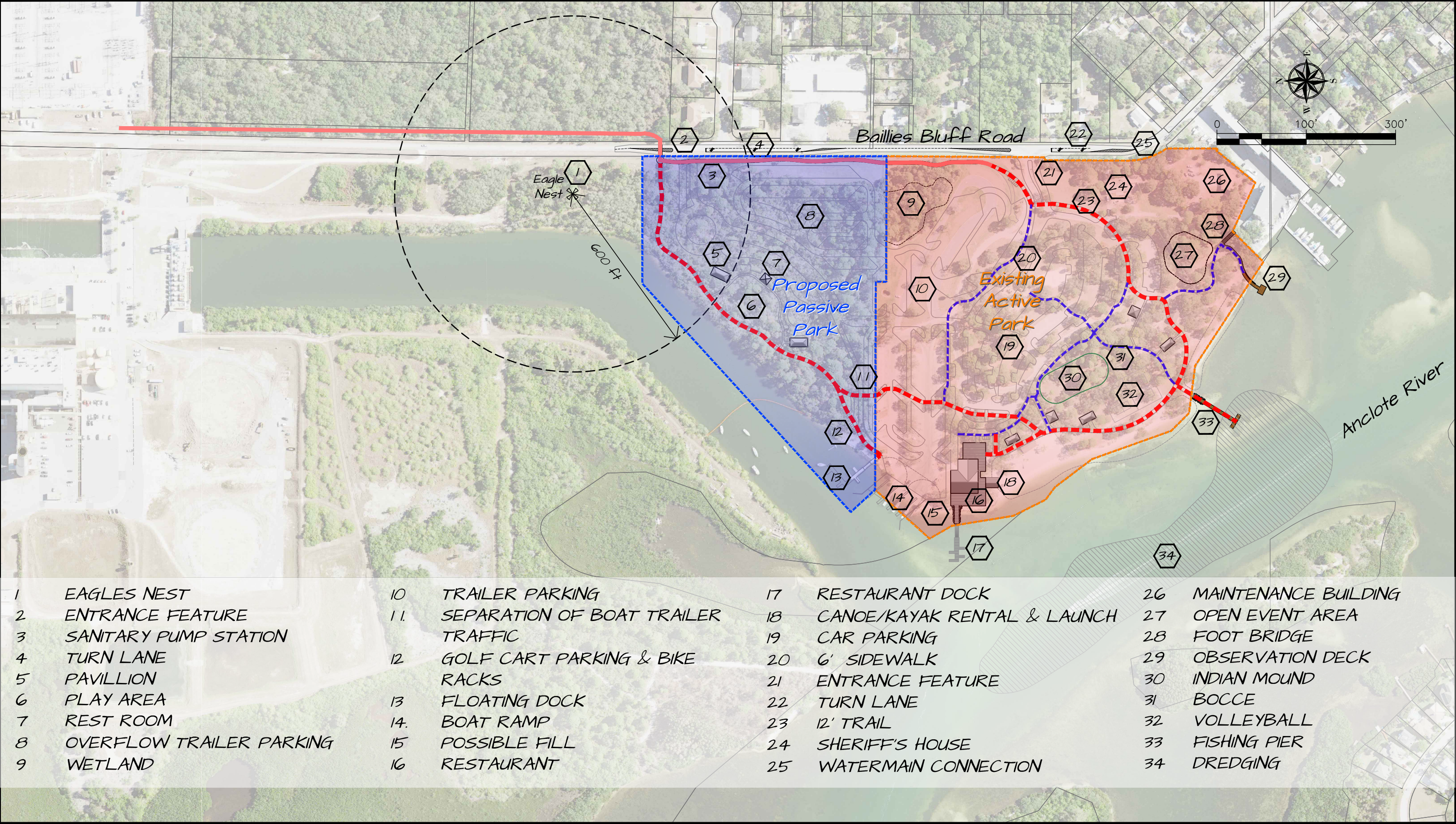


Anclote (meaning *Anchor* in Spanish) predates other Treasure Coast cities for one very important relic: fresh water. The park is known to be settled on an ancient springhead once used by native people like the Tocobaga, earliest settlers and midden mound builders to the area. Here, the Tocobaga settled near the fresh water where this park resides, creating midden mounds from their refuse. Artifacts like clay pottery, fish bones, as well as whelk shells used for tools have been found in previous midden excavations.

As local legend has it, pirates often used these shores for buried treasure as well. After Spanish conquistadors covered access to the once flowing well, pirates made their way from the Gulf up the shores of the Anclote River, some say stashing their treasures along the banks of the river. With such rich history, including some of the earliest sponge docks that predate other areas, Anclote is a hidden treasure ready to be explored.

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1	EAGLES NEST	10	TRAILER PARKING	17	RESTAURANT DOCK	26	MAINTENANCE BUILDING
2	ENTRANCE FEATURE	11	SEPARATION OF BOAT TRAILER TRAFFIC	18	CANOE/KAYAK RENTAL & LAUNCH	27	OPEN EVENT AREA
3	SANITARY PUMP STATION	12	GOLF CART PARKING & BIKE RACKS	19	CAR PARKING	28	FOOT BRIDGE
4	TURN LANE	13	FLOATING DOCK	20	6' SIDEWALK	29	OBSERVATION DECK
5	PAVILLION	14	BOAT RAMP	21	ENTRANCE FEATURE	30	INDIAN MOUND
6	PLAY AREA	15	POSSIBLE FILL	22	TURN LANE	31	BOCCE
7	REST ROOM	16	RESTAURANT	23	12' TRAIL	32	VOLLEYBALL
8	OVERFLOW TRAILER PARKING			24	SHERIFF'S HOUSE	33	FISHING PIER
9	WETLAND			25	WATERMAIN CONNECTION	34	DREDGING

Schematic Design Approach

1. Eagles Nest - Minimize disturbance and construction activity within 600 feet from the nest

2. Ingress/Egress for Boat Ramps -

a. Ingress provides (2) lane access drive

b. Single lane queuing access to head of the ramp supports 21 truck/trailers

3. Lift Station considerations made for sewer service connectivity and force main to a potential distribution system on Baillies Bluff Road. Preferred option is a gravity line if proper depth is available.

4. Baillies Bluff Road Improvement to include left turn lane and queuing capacity for (5) trucks and trailers to northern access drive.

5. Pavilions are proposed throughout the site,

(2) pavilions at Children's Play area

(2) pavilions at the Beach

(1) pavilion at the Dog Beach

6. Children's Play Area - to be set between the trees for maximum shade coverage

7. Restrooms- (3) Buildings total (Children's play area, beach, close to open event area)

8. Overflow Trailer Parking - To include reinforced turf, ribbon curb and parking space numerical markings for proper parking alignment

9. Trailer Parking - Separated from the remainder of the park to avoid short cut access to the head of the ramp.

10. Golf Cart Parking and Bikes Racks -adjacent to multiuse trail distributed at beach/restaurant area, boat ramp area, and at access drive to the park

11. Fixed Dock - Alternate floating dock to be considered, provide minimum 5 feet water depth from MLW elevation

12. Existing Boat Ramps - Existing gangways and floating docks at end of ramp are to be considered for re-use. Walls on both side of the ramp will act as jetty and a barrier separating launching facilities from swimming areas.

13. Shoreline between Boat Ramps and Restaurant Access dock is to be filled with sand to reduce maintenance requirements.

14. Restaurant 10,000 Sq-Foot Facility, by others. 10,000 sq-feet of outdoor seating deck is provided.

15. Shoreline restoration to include wet dredging of eroded sand to 20H:V slope to reduce erosion potential and to absorb wave energy

16. A 12-Foot multiuse trail will provide loop connectivity to the proposed Coastal Anclote Trail. The proposed loop extends

along the beach and thru the passive park area connecting back to the coastal trail, providing multimodal access to the park. Additional 6-foot sidewalks are provided throughout the site for pedestrian access. Surface material and options are to be considered.

17. Design provides access to existing Sheriff's house and maintenance facilities, no modifications are proposed.
18. Open Event Area - 23,000 sq- feet, accommodates 2,555 individuals, based on 9 sq/ft per person. If staging is required, assume 10 to 15% of open space accommodation for staging and public space is reduced to accommodate 2,171 individuals.
19. Indian mound is to remain as is, interpretive signage is recommended.
20. Dog Beach area and Public Beach is separated by the Fishing Pier, dredging is required to provide proper water depth at end of the pier for fishing. Environmental assessment is to be conducted for seagrass mitigation, if required.
21. A Pedestrian bridge with improved channel to act as an open lagoon and removal of the Australian Pine, is proposed along the channel and connectivity to adjacent property.

Parking Space Data

Parking Type	Quantity
Boat Trailer (paved)	150
Boat Trailer (overflow unpaved)	89
Total Boat Trailer Parking	239
Car Parking (Playground & Pavilion)	22
Car Parking (Main Park)	298
Handicap Parking (Standard)	8*
Handicap (Van Accessible)	2**
Total Car Parking	330
Golf Cart Parking	12
Bike Racks (4 Bikes per Rack)	6
* 6 Spaces Required	
**2 Spaces Required	

Site Data

Existing Park	29.40 Acres
Proposed Expansion Site	15.71 Acres
Overall Site	45.11 Acres
Existing Boat Ramps	6
Proposed Boat Ramps	8
Existing Prep Dock/Mooring	6 Spaces
Proposed Prep Dock/Mooring	8 Spaces
Proposed Dock and Access to Restaurants	8 Spaces





- 1 Playground
- 2 Picnic shelter
- 3 Restroom
- 4 Bike parking
- 5 Boat launch area
- 6 Boat trailer parking
- 7 Overflow boat trailer parking
- 8 Car parking
- 9 Restaurant
- 10 Kayak rental
- 11 Sea wall
- 12 Beach
- 13 Interpretive signage
- 14 Volleyball courts
- 15 Bocce court
- 16 Dog beach
- 17 Bridge and channel improvements
- 18 Open event space
- 19 Entry wall with sign, gate and fence
- 20 Showers



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Anclote River Park Conceptual Plan

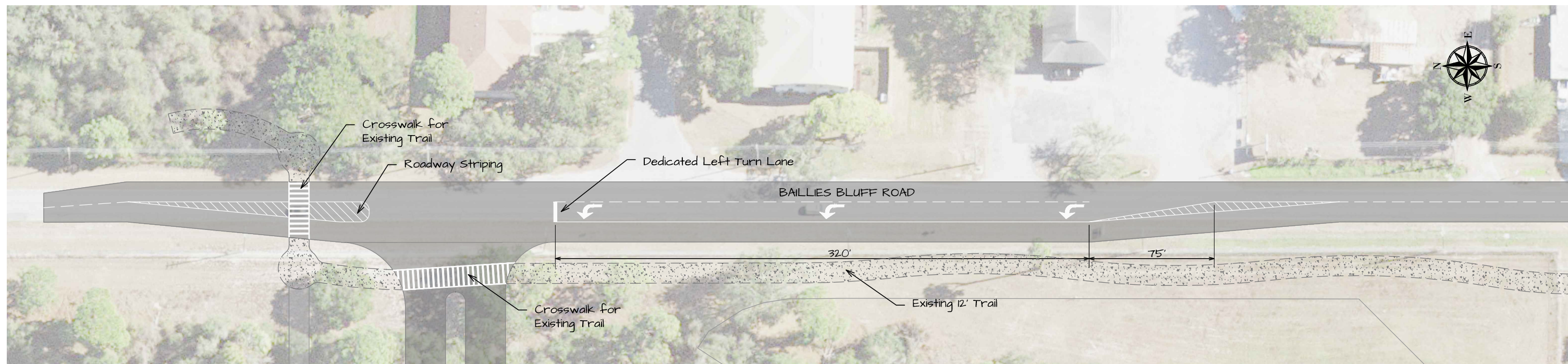
Conceptual Plan

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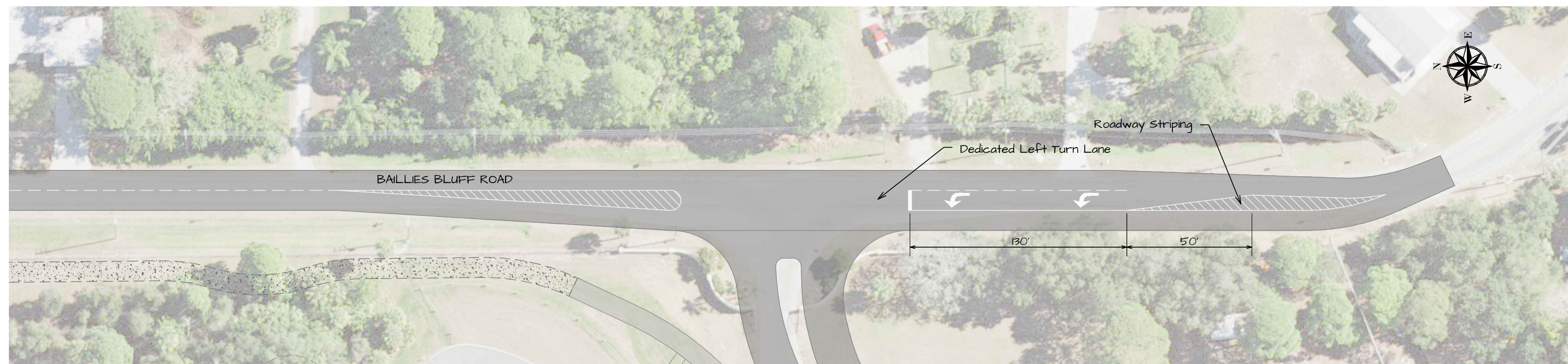
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Left Turn Lane for Northern Entrance
Access to Boat Ramps and Playground - Queue Length: 5 Vehicles with Trailers



Left Turn Lane for Southern Entrance
Access to Beach, Restaurant and Other Activities - Queue Length: 5 Vehicles



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Anclote River Park Conceptual Plan

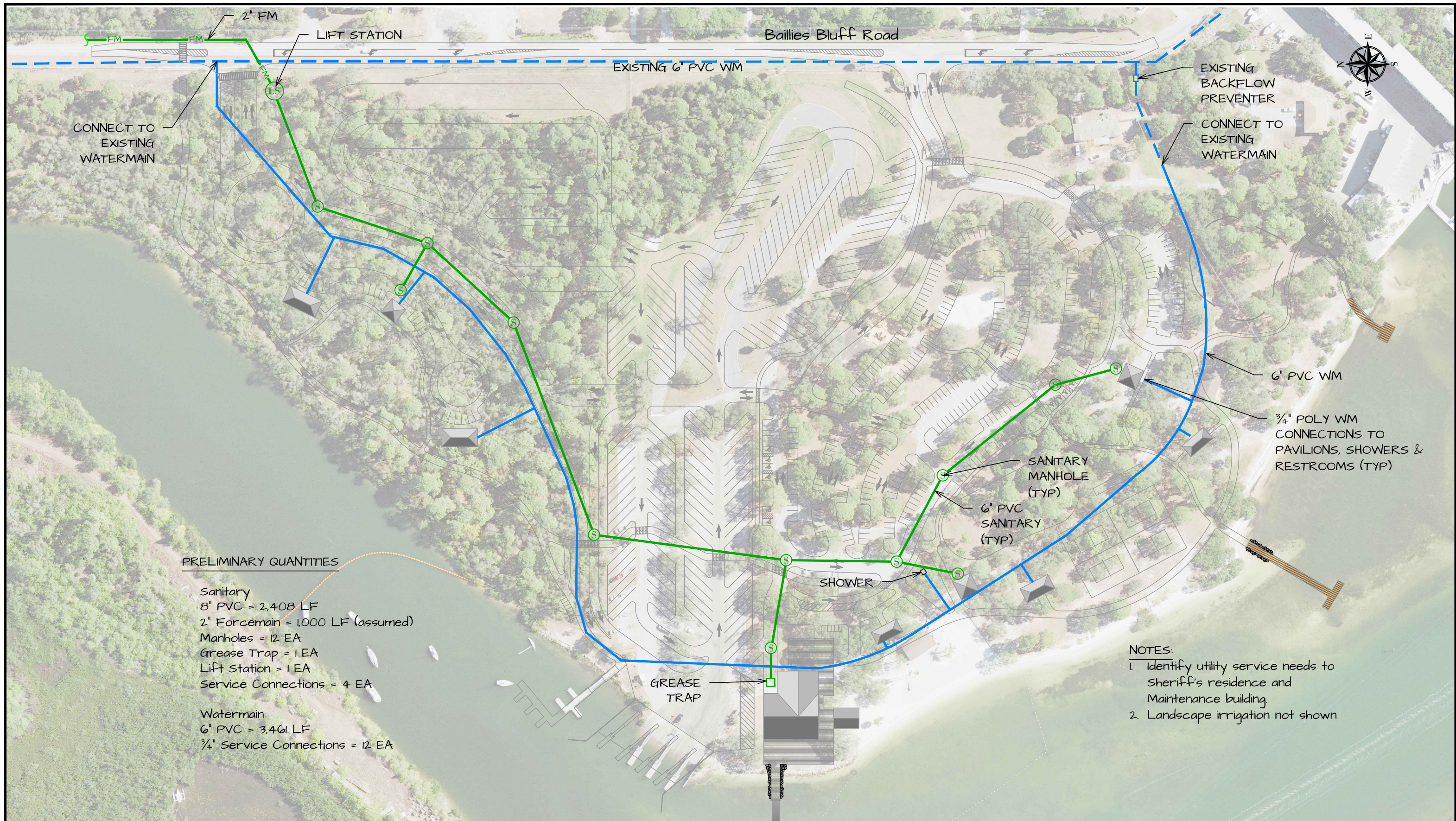
Roadway Improvements

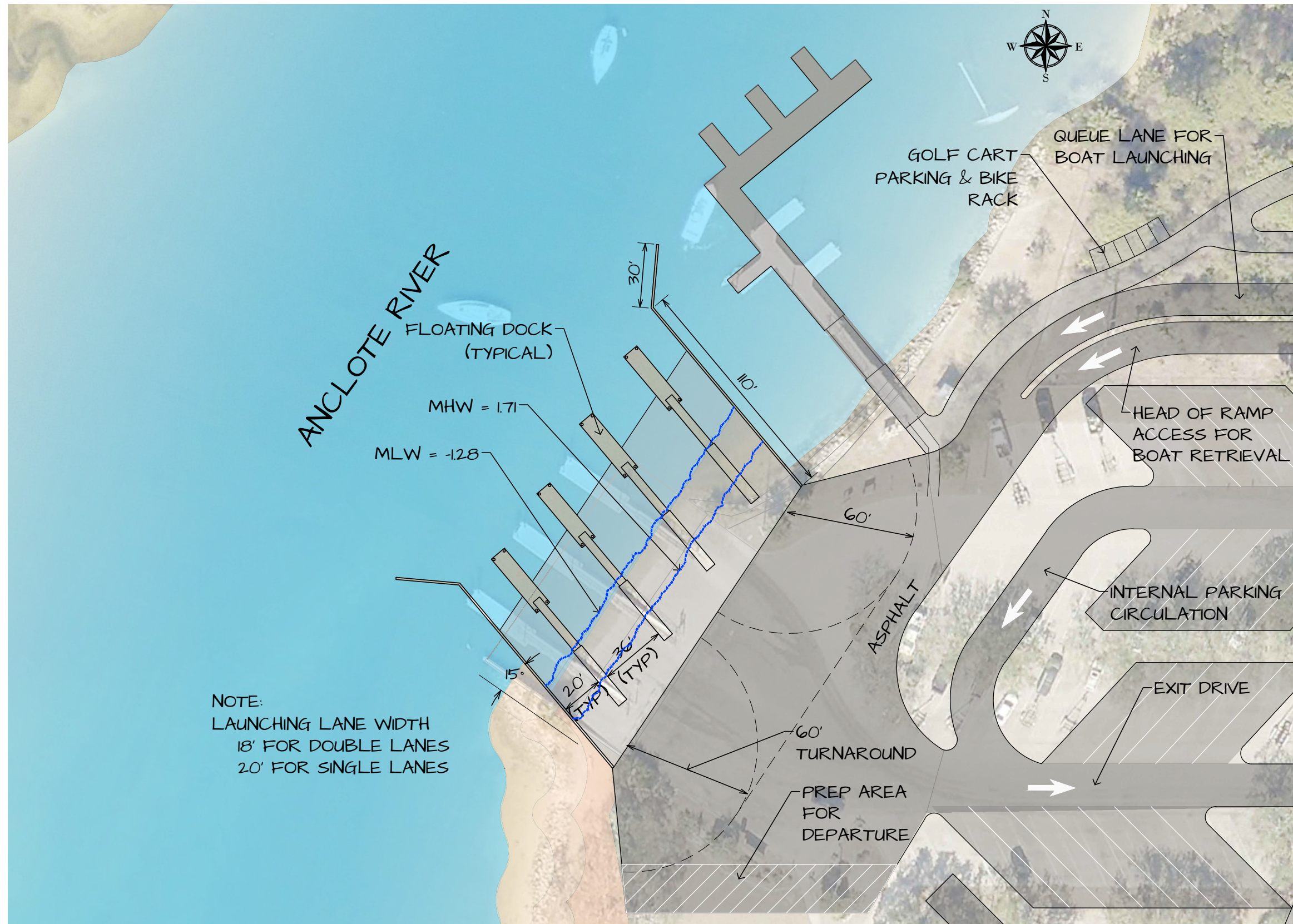
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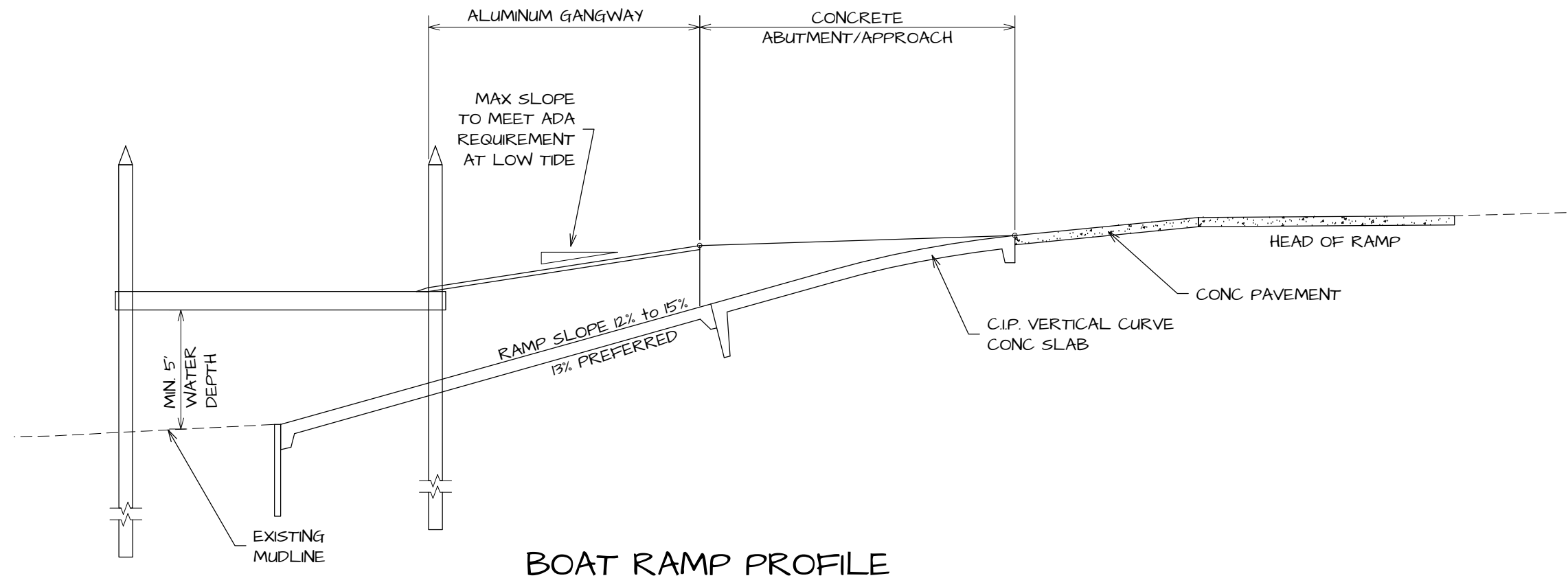
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NOTES:

Boat Ramp

1. Design Criteria to meet 1 ½ ton Dual Axle, and Trailer w/ 2 ½ ton load
2. Wind Load of 110 MPH sustained wind with no vessel in place
3. 40 MPH sustained wind with vessels in place
4. Concrete to include DCI corrosive inhibitors and to conform to extremely aggressive environments

Gangways

1. Gangways to meet 50 PSF Load Capacity to include Toe and Transition Plates
2. ADA Handrails shall have continuous 1" Dia Round aluminum tube handrails, and slope not to exceed ADA requirements at Low Water Elevation
3. Optional composite decking considered for cooler surfaces.

Floating Docks

1. Floating docks with heavy duty aluminum track shall be configured as an ADA accessible system

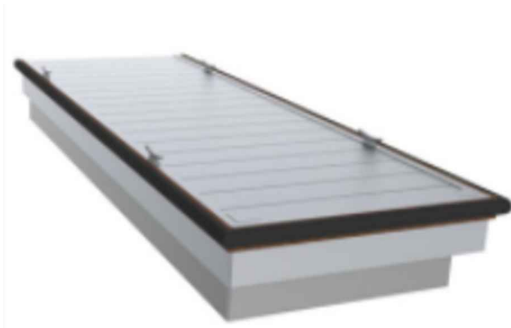
Jetty wall

1. Consider prestressed concrete sheeting or steel sheeting with concrete cap and surface for longevity.

Rip Rap

2. All Rip Rap to meet FDOT bank and shore protection standards





Full-Float

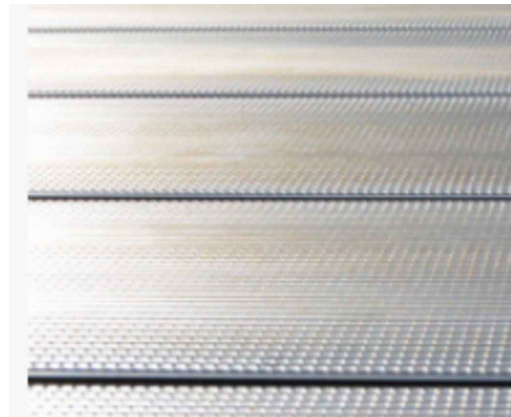
The full float dock is constructed with a fully welded aluminum frame that is filled with a polyurethane foam. The frame is attached to the bottom of the dock frame and provides as close to 100% float coverage as possible. This allows for more stability and live load capabilities than other dock systems.



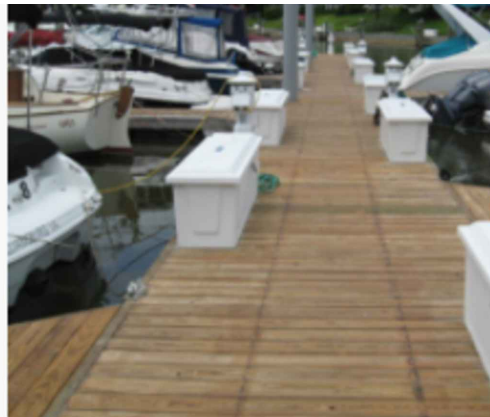
Poly-Tub

These economical plastic tubs are filled with polystyrene foam and bolted to the dock frame. Certain locations and applications may not be suited for this flotation type due to the risk of being punctured by watercraft or ruptured during groundout.

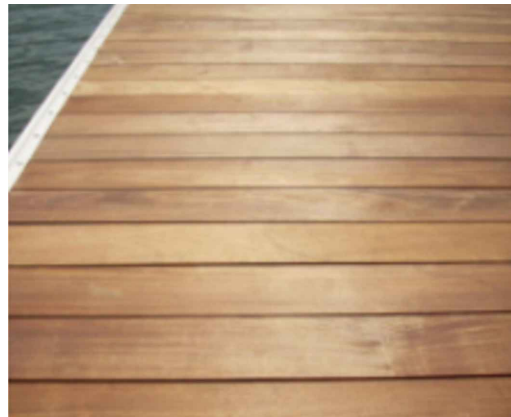
FLOATING DOCK OPTIONS



Aluminum Non-Slip Decking



Pressure Treated Pine Decking



Ipe Hardwood Decking



Composite Decking

DECK SURFACE OPTIONS



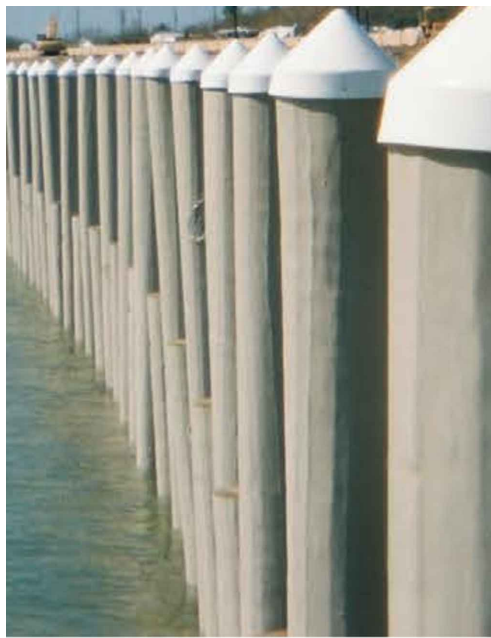
V-GROOVE RAMP



ALUMINUM GANGWAY



Concrete Piling



TimberGuard® Piling
PILING OPTIONS



UltraComposite™ Piling

PILING OPTIONS



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Anclote River Park Conceptual Plan

Boat Ramp Improvements (3)

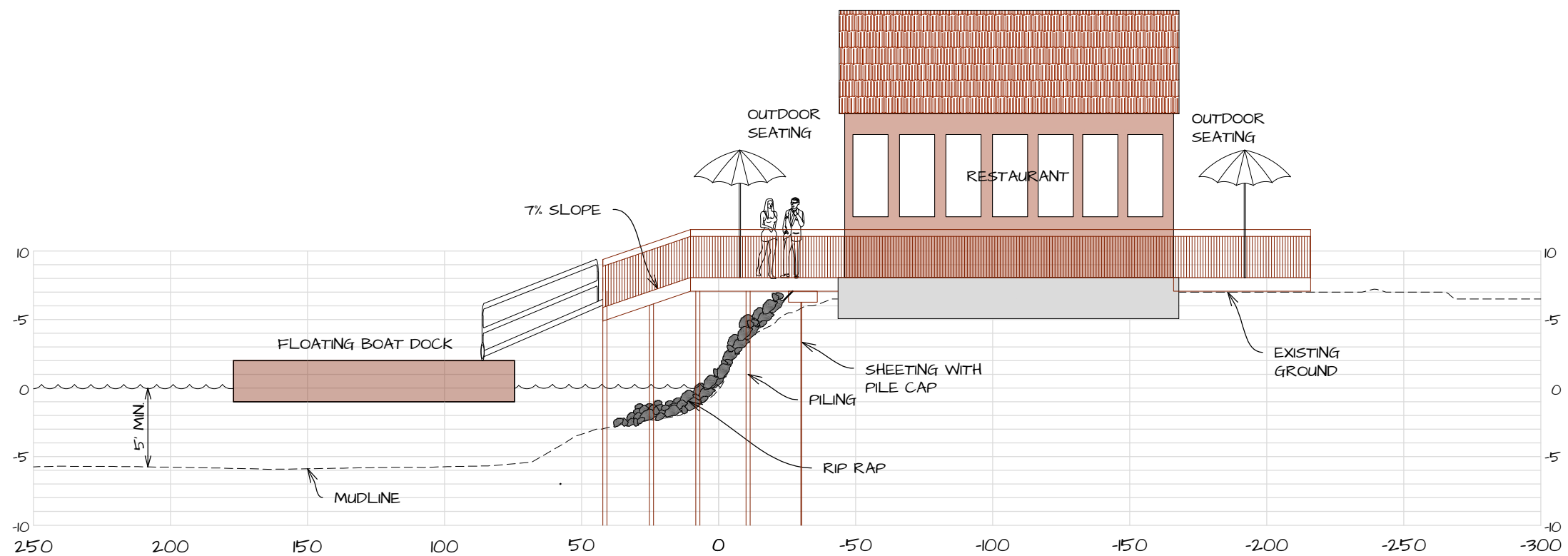
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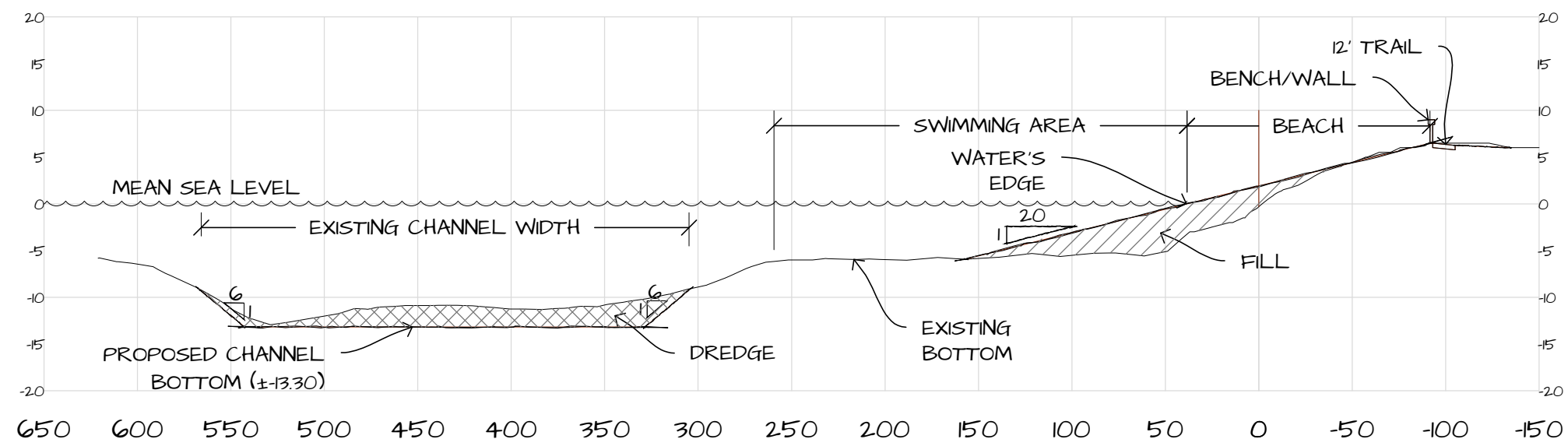
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NOTE:
BEACH RESTORATION WILL
REQUIRE 17,600 CUBIC
YARDS OF MAINTENANCE
SAND DREDGING FOR
SHORELINE RESTORATION



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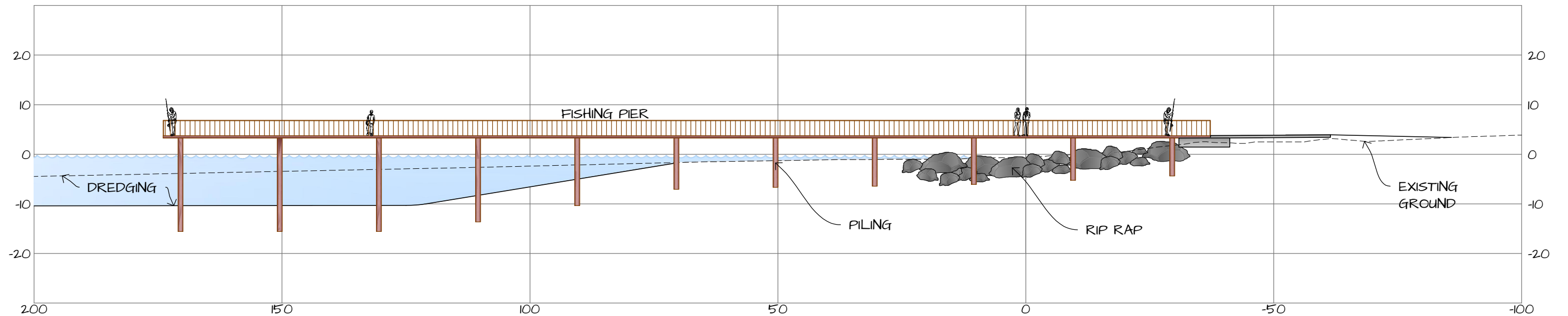
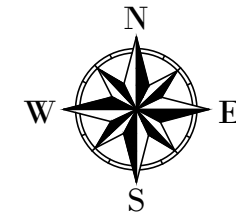
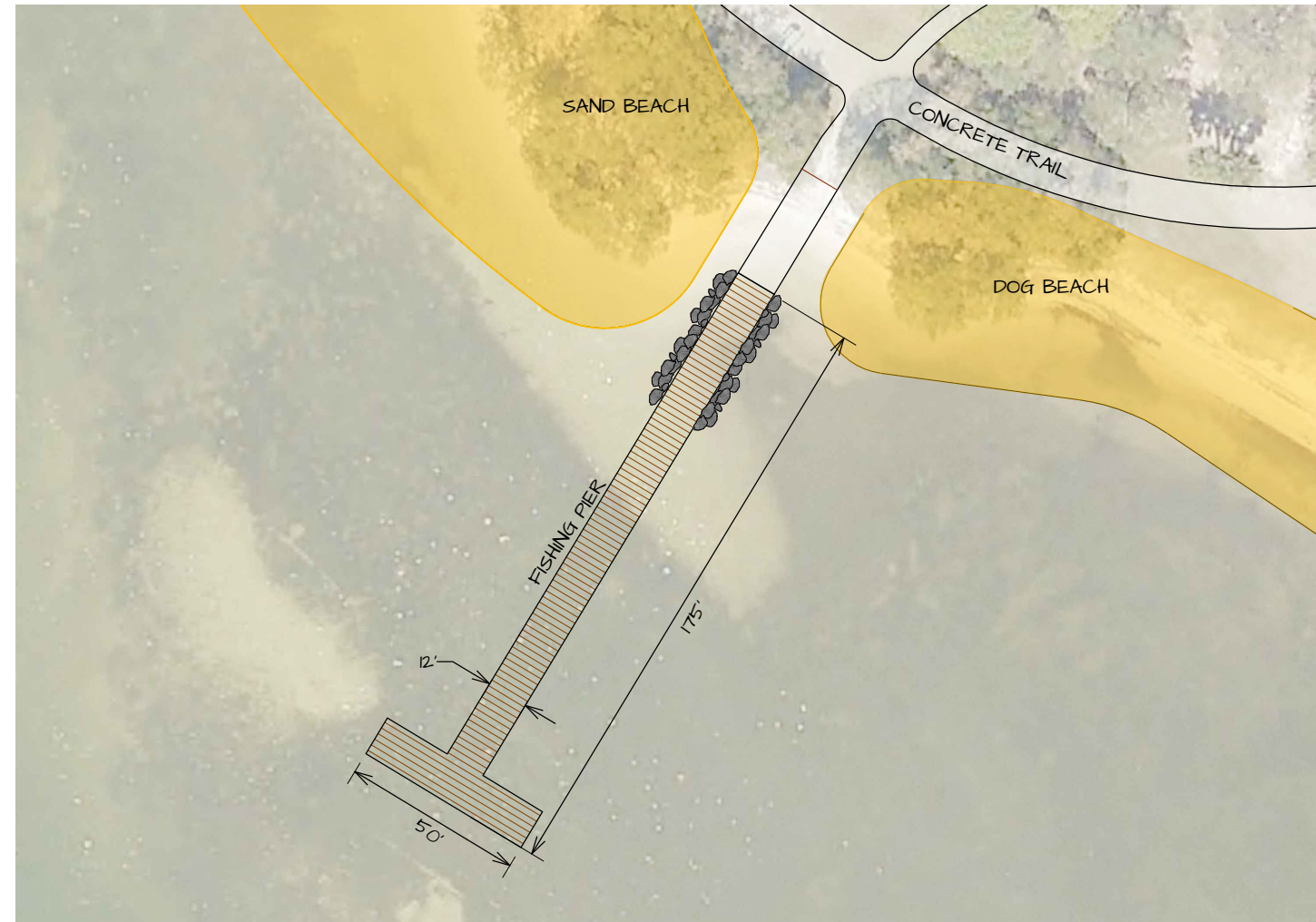
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Beach Restoration

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Fishing Pier

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17 Wood Pedestrian Bridge



17 Wood and Aluminum Pedestrian Bridge



3 Wood and Metal Restroom

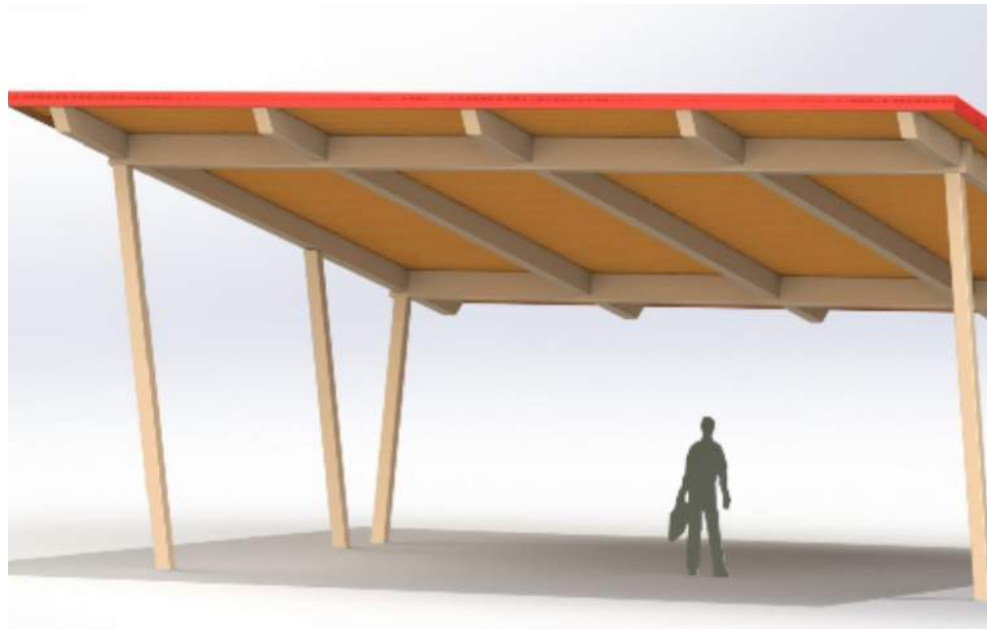


3 Wood and Metal Restroom with covered exterior



3 Restroom with mural opportunity





2 Picnic Shelter



2 Picnic Shelter



2 Picnic Shelter



2 Picnic Shelter





Bench – gabion base with bike rack



Bench – gabion base with seat back



4 Bike Rack



Asphalt Pedestrian and Bike Trail



Asphalt Pedestrian and Bike Trail



Shell Pedestrian Paths





Shell Pedestrian Path with Beach Landscape



Shell Pedestrian Path with Beach Landscape and Pier



Wood Pier



Concrete Pedestrian Path with Beach Landscape



Concrete Pedestrian Path with Upland Landscape



Concrete Pedestrian Path with Upland Landscape





Asphalt Pedestrian Path



Shell Pedestrian and Bike Path with Beach Landscape



Shell Pedestrian and Bike Path with Beach Landscape



Gabion Wall Details



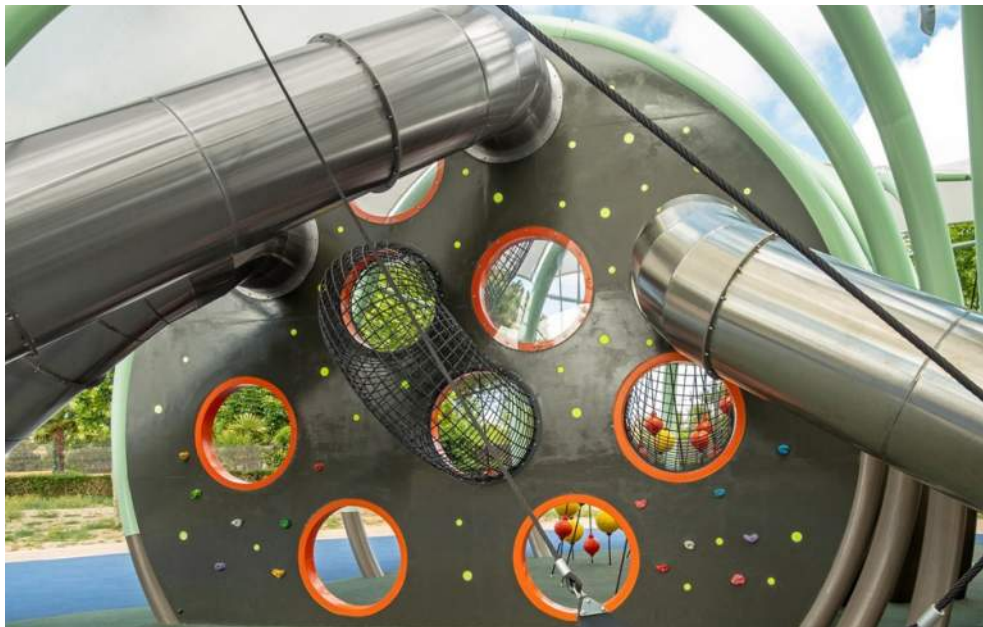
1 Ship Wreck Play Equipment with Mulch Play Surface



1 Ship Wreck Play Equipment with Rubber Play Surface



1 Nautilus Play Equipment with Rubber Play Surface



1 Nautilus Play Equipment



1 Fish Play Equipment with Mulch Play Surface





1 Indigenous Village Play Equipment with Decorative Rubber Play Surface



1 Indigenous Village Play Equipment with Rubber Play Surface



1 Indigenous Village Play Equipment with Rubber Play Surface



1 Natural Tower Play Equipment with Mulch Play Surface



1 Natural Hut and Swing Play Equipment with Mulch Play Surface

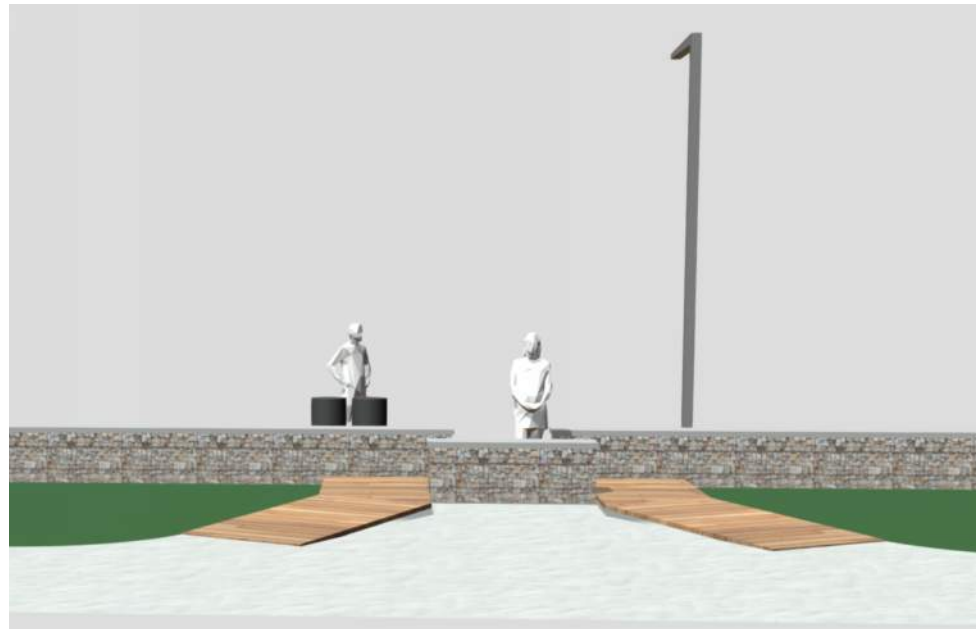


1 Natural Climbing Play Equipment with Mulch Play Surface





11 Sea Wall – gabion with concrete cap and wood decking



11 Sea Wall – gabion with concrete cap and wood decking



Park Wayfinding Signage



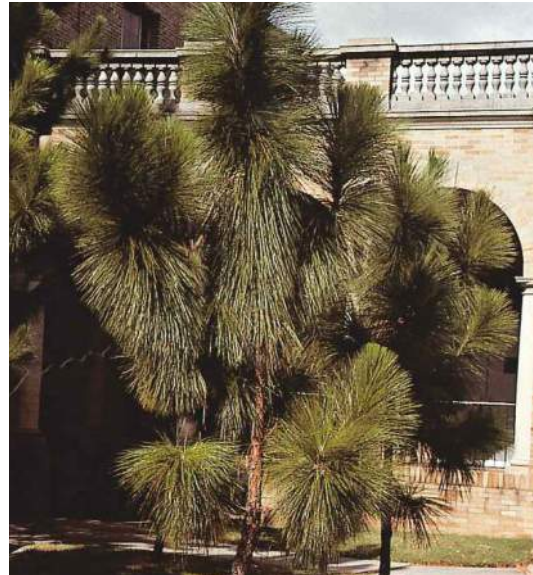
Park Wayfinding Signage





19 Entry Wall with sign, gate and fence





Pinus palustris
Longleaf Pine



Myrcianthes fragrans
Simpson's Stopper



Quercus virginia
Southern Live Oak



Platanus occidentalis
Sycamore



Quercus virginia
Southern Live Oak



Sabal palmetto
Cabbage Palm



Taxodium distichum
Bald Cypress



Conocarpus erectus var. *sericeus*
Silver Buttonwood





Arachis glabrata
Perennial Peanut



Cenchrus setaceus
Fakahatchee Grass



Ernodea littoralis
Beach Creeper



Coccoloba uvifera
Seagrape



Leucophyllum frutescens
Texas Sage



Muhlenbergia capillaris
Muhly Grass



Myrcianthes fragrans
Simpson's Stopper



Spartina bakeri
Sand Cordgrass



Zamia pumila
Coontie



Uniola paniculata
Sea Oats





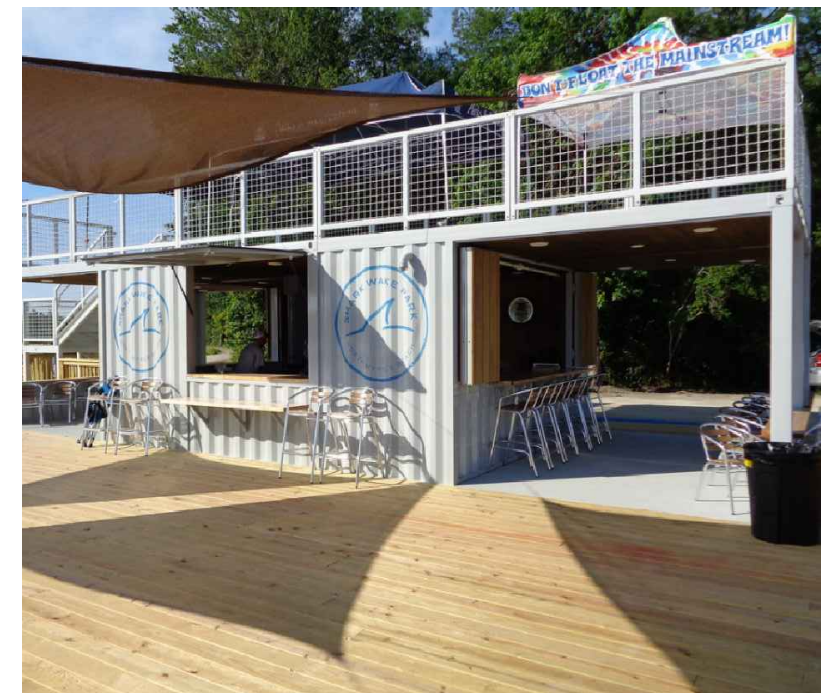
14 Sand Cover Volleyball Courts



Optional Lighting for Fishing Pier



9 Shade Sails Outdoor Seating at Restaurant



10 Canoe/Kayak Rental Structure
Sample Modified Container by Boxman Studios

