

## **Project Goals**

- Replace aging docks
- Replace / modernize marina utilities
- Optimize marina slip mix & layout
- Maximize city-owned submerged lands, but maintain existing slip count and balance
- Provide upland storage and ticket sales opportunities
- Reduce congestion along Coronado Drive
- Activate "Marina Walk"
- Maintain commercial operations during construction
- Provide 2 boat slips for water taxi
- Replace/raise bulkhead









## **Project Progress**





- NTP Oct 2021
- 1. Master Plan
  - Market Study
  - Commercial Tenant Outreach
- 2. 30% Submittal
- 3. 60% Submittal
- 4. Permitting
  - Federal channel deauthorized Jan 2023
  - FDEP ERP permit authorized June 2023
  - FDEP stormwater exemption authorized Sept 2023
  - Flex development app approved by CDB Oct 2023
  - Army Corps (on going)
  - Pinellas County PCWNCA (on going)
- 5. Grants
  - Sportfish Restoration (on going)
  - Tourism Development Council (on going)
- 6. Final Design (On going)

### What's Next?

- Bid Submittal (90%) Nov 2023
- CMAR Bid Phase
- Construction Documents (100%)
- Building permitting
- Construction

#### **Project Risks**

- Federal Channel Deauthorization
- Parking Reduction
- Dredge Disposal
- Inflation & Supply chain issues









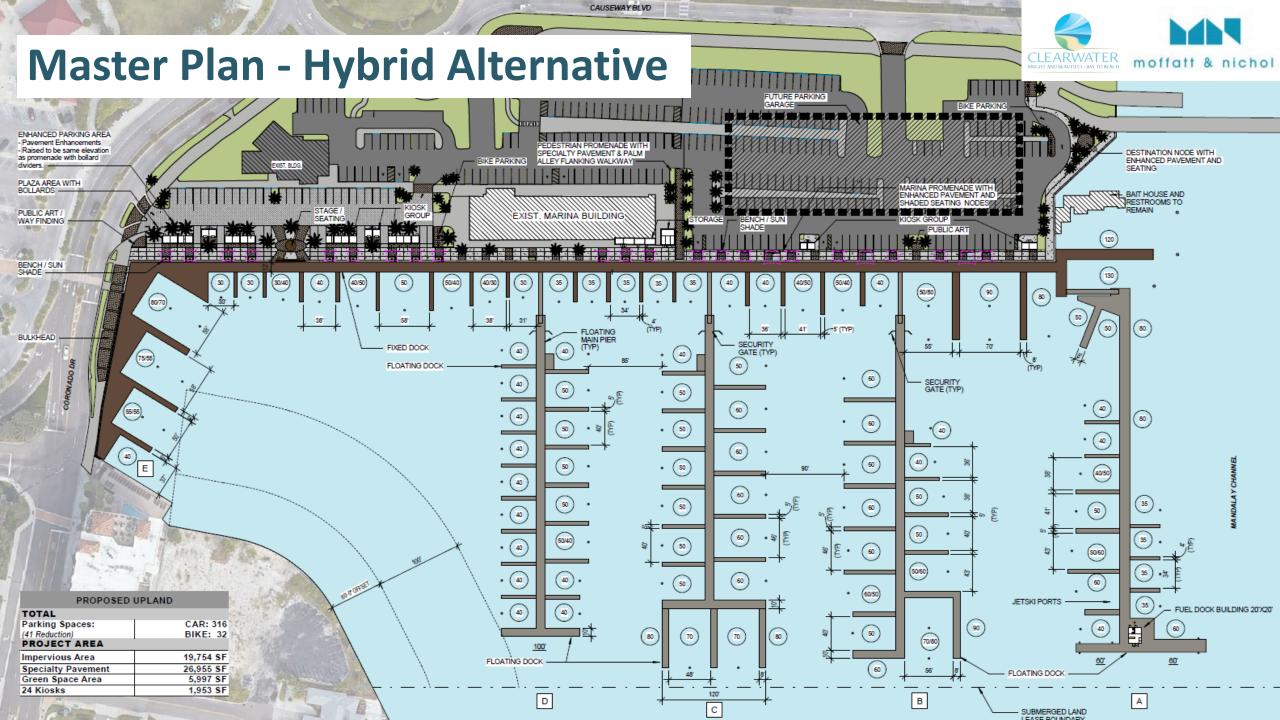


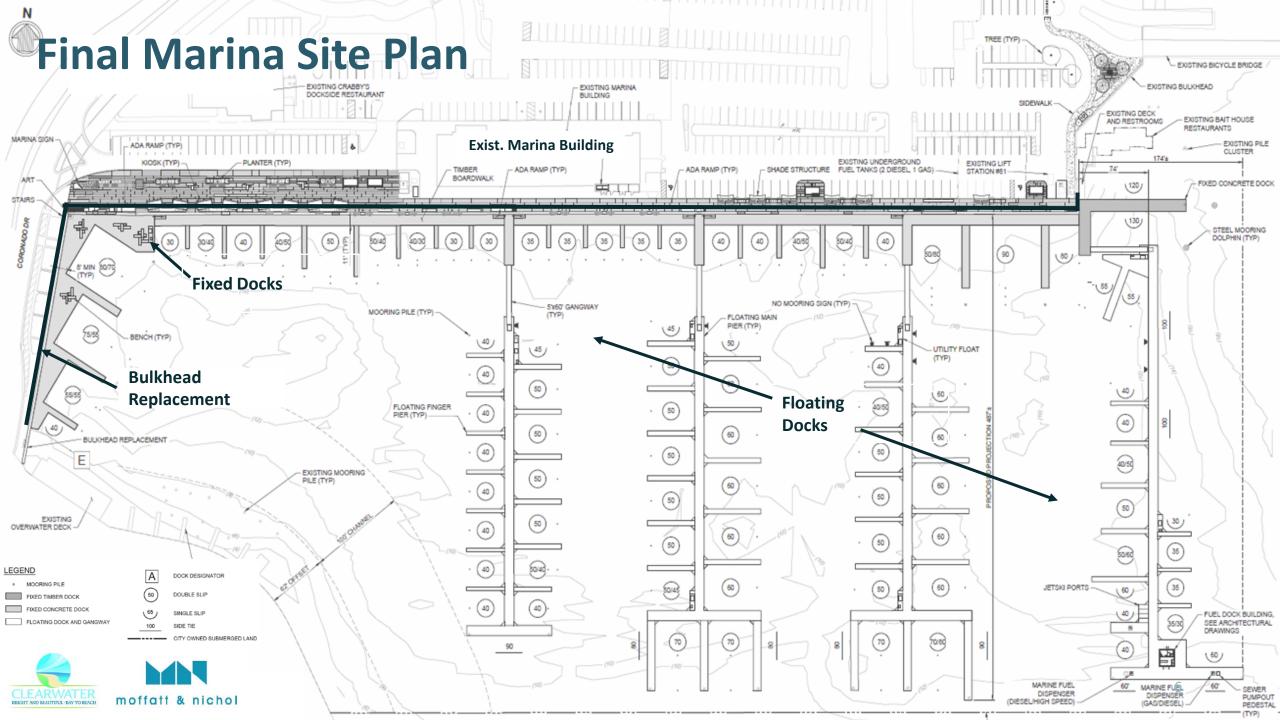
EXISTING SLIP MIX										
Silp Size	COMMERCIAL*		RECREATIONAL		TOTAL					
	(#)	(%)	(#)	(%)	(#)	(%)				
<40	21	35.6%	29	27.4%	50	30.3%				
40	9	15.3%	0	0.0%	9	5.5%				
50	10	16.9%	58	54.7%	68	41.2%				
60	8	13.6%	7	6.6%	15	9.1%				
70+	119	18.6%	12	11.3%	23	13.9%				
Total	59	100.0%	106	100.0%	165	100%				

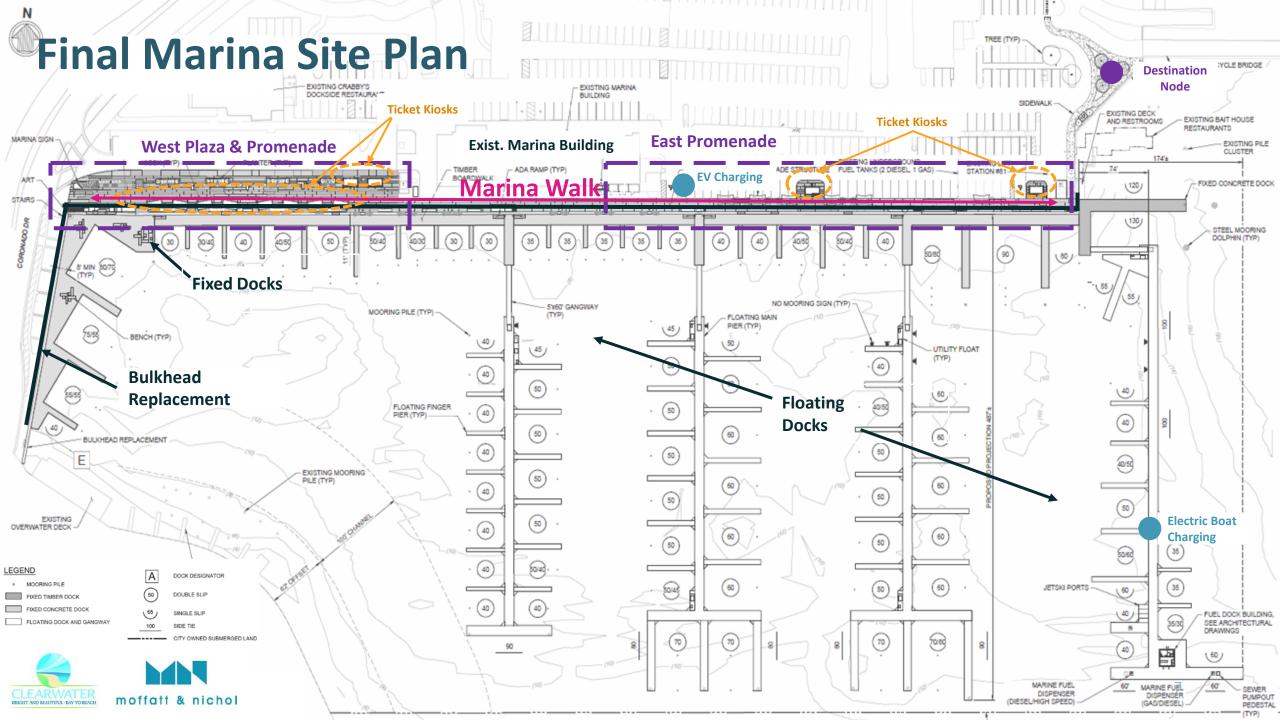
\*Commercial count includes 6 fuel slips and 1 ferry slip

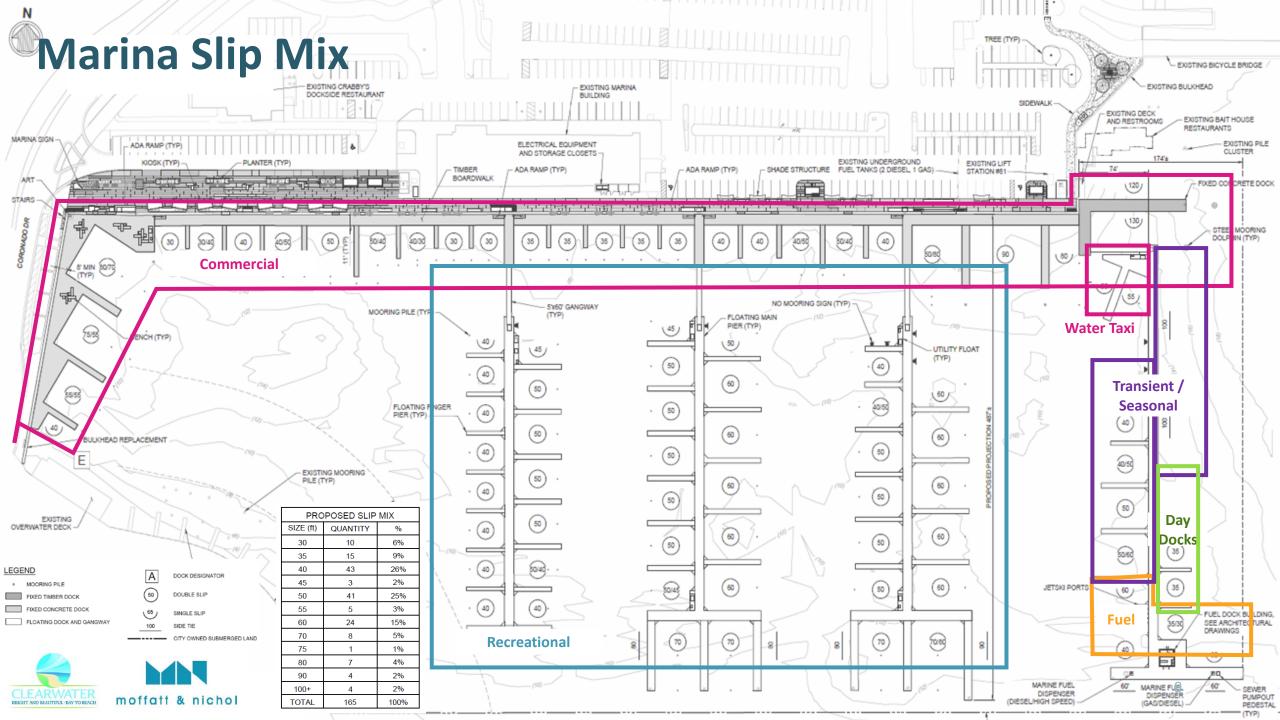


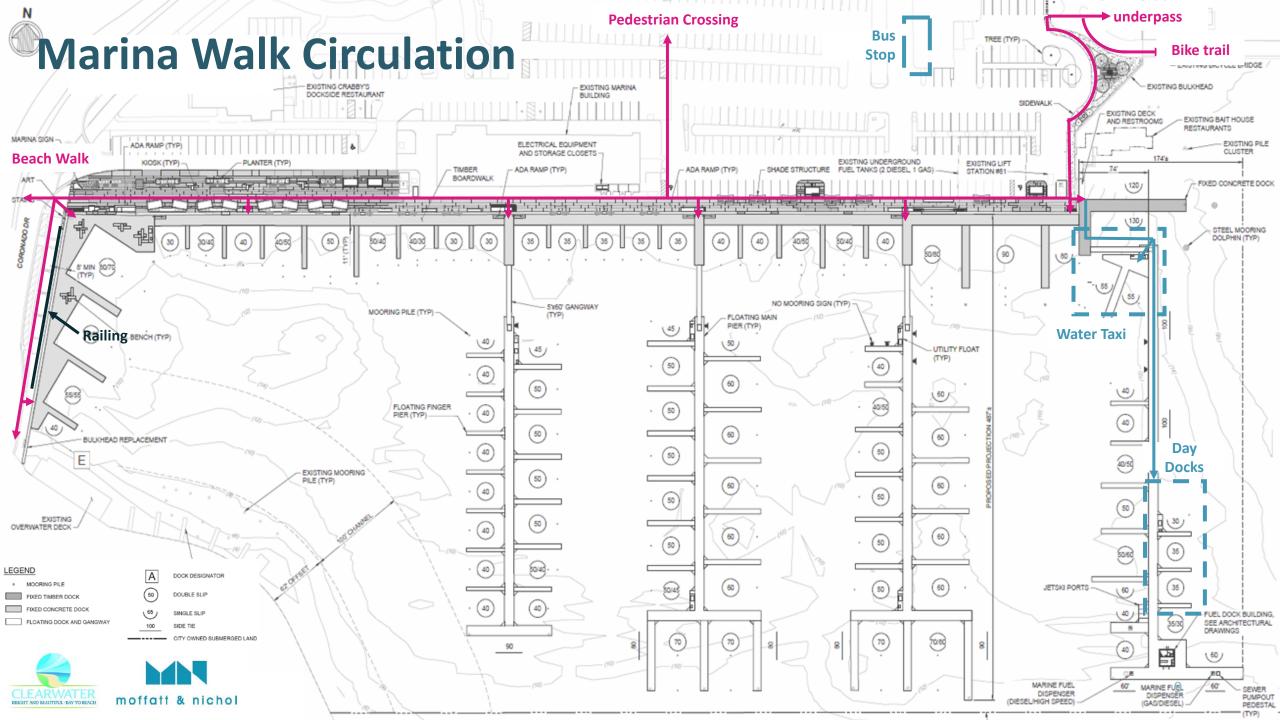








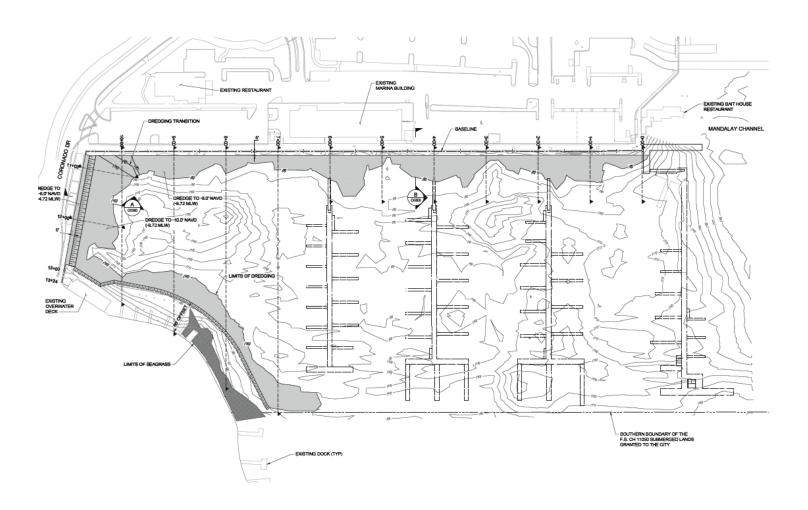


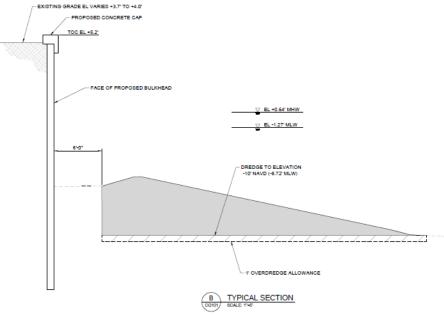


# **Maintenance Dredging**









## **Marina Walk West Plaza**















## **Marina Walk**





Marina Walk Promenade



Commercial Boardwalk



ADA Dock Access



**Destination Node** 



# **Buildings**





Ticket Kiosks







Fuel Office





# Master Plan vs. 60 % Design

			DATE PREPARED			
PROBABLE OPINION OF CONSTRUCTION COST	25-Aug-22					
CLIENT AND LOCATION	ESTIMATED BY					
City of Clearwater	Moffatt & Nichol					
Clearwater, FL		MN JOB NUMBER				
PROJECT TITLE	211223					
Clearwater Beach Marina Rehabilitation - Fixed Dock Alternative		STATUS OF DESIGN				
		Concept Estimate ENGINEERING ESTIMATE				
	QUANTITY		MNG			
ITEM DESCRIPTION	NUMBER UNIT	UNIT COST		TOTAL		
1 General Conditions			s	1.000.000.00		
Mobilization/demobilization, construction management, insurance, etc	1 LS	\$ 1,000,000.00		1,000,000.00		
wowiizadoriachowiizadori, construction management, insurance, etc	1 23	¥ 1,000,000.00	•	1,000,000.00		
2 Marina Structures			\$	10,320,000.00		
Demolition of Existing Docks, Overwater Buildings, Mooring Piles, and Utilities	1 LS	\$ 1,000,000.00	) S	1,000,000.00		
Boarwalk Timber Fixed Docks and Piling	25,000 SF	\$ 120.00	\$	3,000,000.00		
Concrete Floating Docks and Guide Piling	36,000 SF	\$ 150.00	\$	5,400,000.00		
Dock Appurtenances (Dock Boxes, Cleaning Stations, etc.)	1 ALLOW	\$ 200,000.00	\$	200,000.00		
Timber Mooring Piles	90 EA	\$ 2,000.00	\$	180,000.00		
Mooring Dolphins for Dinner Cruise Docks	2 EA	\$ 50,000.00	\$	100,000.00		
Overwater Fuel Building (20'x20')	1 ALLOW	\$ 200,000.00	\$	200,000.00		
60' long ADA Aluminum Gangway	4 EA	\$ 60,000.00	\$	240,000.00		
3 Maintenance Dredging			\$	960,000.00		
Maintenance Dredging (assumes local disposal site)	6,000 CY	\$ 160.00	\$	960,000.00		
4 Seawall Repairs			s	3,990,000.00		
Sheetpile bulkhead wall with Reinf. Conc. Cap	1,330 LF	\$ 3,000.00		3,990,000.00		
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5 Site Improvements			\$	1,280,000.00		
Sidewalk and pedestrian plaza pavement	24,000 SF	\$ 10.00	\$	240,000.00		
Landscaping	1 ALLOW	\$ 100,000.00	\$	100,000.00		
Site Furniture, Shade Structures, & Lighting	1 ALLOW	\$ 300,000.00	\$	300,000.00		
Parking Lot Pavement Re-striping	1 LS	\$ 25,000.00	\$	25,000.00		
Kiosk	24 EA	\$ 15,000.00		360,000.00		
Building Storage Renovations	1 ALLOW	\$ 50,000.00		50,000.00		
Public Art (~1% Construction Budget)	1 ALLOW	\$ 180,000.00		180,000.00		
Wayfinding / Signage	1 ALLOW	\$ 25,000.00	5	25,000.00		
6 Marina Utilities			\$	5,510,000.00		
Dock Utilitites (Water, Sewer, Electrical, Fire)	61.000 SF	\$ 75.00		4.575.000.00		
Water Main Connection(s) including fire hydrant(s) and backflow preventer(s)	1 ALLOW	\$ 75.000.00		75.000.00		
Sewer connection	1 ALLOW	\$ 50.000.00		50.000.00		
Electrical Distribution Equipment	1 LS	\$ 250,000.00		250.000.00		
Communications / Low Voltage	1 LS	\$ 160.000.00		160.000.00		
Marina Lighting	1 ALLOW	\$ 150,000.00		150.000.00		
Fuel System Dispensers & hose reels	1 LS	\$ 150,000.00		150,000.00		
Sewage Pumpout Stations	1 LS	\$ 100,000.00		100.000.00		
Corrago i ampost citatorio	1 25	<b>V</b> 100,000.00		100,000.00		
SUBTOTAL			\$	23,060,000		
Engineer's Contingency	15%		s	3.459.000		
Inflation Allowance (Est @ 7% for 1 year)	15% 7%		S	1,614,200		
Illiadori Allowanos (Lot lg. 1 /e for 1 year)	1 70		•	1,014,200		
TOTAL			\$	28,133,200		
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	DATE PREPARED				
PROBABLE OPINION OF CONSTRUCTION COST	20-Jun-23				
CLIENT AND LOCATION City of Clearwater	ESTIMATED BY Moffatt & Nichol				
Clearwater, FL		$\vdash$	MN JO	3 NU	JMBER
PROJECT TITLE	211223				
Clearwater Beach Marina Replacement	STATUS OF DESIGN 60% Design Submittal				
	QUANTITY		ENGINEER		
ITEM DESCRIPTION	NUMBER UNIT		UNIT COST		TOTAL
General Conditions     Mobilization/demobilization, construction management (6%), insurance, etc.	10% of subtotal			\$	2,517,737.50 2,517,737.50
2 Marina Structures				\$	12,392,750.00
Demolition of Existing Docks, Overwater Buildings, Mooring Piles, and Utilities	1 LS		1,500,000.00	\$	1,500,000.00
Fixed Timber Commercial Boardwalk, Piers, and Timber Support Piling Concrete Floating Docks with HDPE Sleeved Steel Guide Piling	21,700 SF 35,000 SF	\$ \$	145.00 180.00		3,146,500.00 6,300,000.00
Fixed Concrete Dinner Cruise Dock with Coated Steel Support Piling	1.885 SF	\$	250.00		471,250.00
60' long ADA Aluminum Gangway	4 EA	\$	60,000.00	-	240,000.00
Timber Mooring/Fender Pile	120 EA	\$	2,000.00		240,000.00
Mooring Dolphin for Dinner Cruise Dock	2 EA	\$	60,000.00		120,000.00
Dock Appurtenances (Dock Boxes, Cleaning Stations, etc.)	1 ALLOW	\$	200,000.00		200,000.00
Overwater Fuel Building (Building only)	1 LS	\$	175,000.00	\$	175,000.00
3 Maintenance Dredging Maintenance Dredging (includes 1' overdredge allowance & offsite disposal)	6.262 CY	s	160.00	\$	1,001,920.00
4 Bulkhead Replacement	-,				
Cantilever Bulkhead with NZ26 Steel Sheet Piles and Reinforced Concrete Cap	1,342 LF	\$	3,200.00	\$ \$	4,294,400.00 4,294,400.00
5 Site Improvements				\$	1,916,305.00
Sidewalk/Plaza Colored Concrete Pavement	19,620 SF	\$	12.00		235,440.00
Concrete Sidewalk at East End	2,350 SF	\$	12.00	-	28,200.00
Trench Drain	550 LF	\$	150.00		82,500.00
Nyloplast Drain Basin	6 EA 80 LF	\$	2,500.00 85.00		15,000.00 6,800.00
12" PVC Drainage Pipe Storm Manhole	1 EA	\$	5,500.00	•	5,500.00
Ribbon Palm	18 EA	S	1,500.00		27.000.00
Cabbage Palmetto	18 EA	\$	450.00		8,100.00
Silver Trumpet Tree	1 EA	\$	800.00	\$	800.00
Red Tip Coco Plum	44 EA	\$	50.00	•	2,200.00
Firebush	28 EA	\$	30.00		840.00
Dwarf Pink Ice Oleander Saw Palmetto	6 EA 24 EA	\$ \$	30.00 150.00		180.00 3,600.00
Horizontal Coco Plum	26 EA	\$	30.00		780.00
Dune Sunflower	22 EA	\$	20.00		440.00
Lipstick Chinese Hibiscus	54 EA	\$	30.00	\$	1,620.00
Yaupon Holly	21 EA	\$	35.00		735.00
Pink Muhly Grass	46 EA	\$	35.00		1,610.00
Fakahatchee Grass	56 EA	\$	35.00 45,000.00	\$	1,960.00
Landscape installation (Including mulch) Site Furniture, Seat Walls, bollards	1 ALLOW 1 ALLOW	\$	250,000.00	•	\$45,000.00 250,000.00
Parking Lot Re-striping	1 LS	s	15,000.00		15,000.00
Shade Structures	18 ALLOW	\$	26,000.00		468,000.00
Kiosk Group (2 units)	12 EA	\$	45,000.00	\$	540,000.00
Building Storage Renovations	1 LS	\$	50,000.00	-	50,000.00
Wayfinding / Signage	1 ALLOW	\$	25,000.00		25,000.00
Public Art	1 ALLOW	\$	100,000.00	\$	100,000.00
6 Marina Utilities		_		\$	5,572,000.00
Water Main Connection and backflow preventer for Portable Water System	1 LS	\$	20,000.00 12.000.00		20,000.00
FDC and Connection to Fire Main for Fire Water System Sewer connection	1 LS 1 LS	S	15,000.00		12,000.00 15,000.00
Marina Electrical System	1 LS	-	3,950,000.00		3,950,000.00
Potable Water System	1 LS	s	225,000.00	s	225.000.00
Fire Water System	1 LS	-	250,000.00	_	250,000.00
Sewage Pumpout System	1 LS		200,000.00		200,000.00
Fuel System Dispensers & hose reels	1 LS	\$			400,000.00
Communications / Low Voltage	1 ALLOW				200,000.00
Lighting	1 ALLOW	\$	300,000.00	\$	300,000.00
SUBTOTAL				\$	27,695,113
Engineer's Contingency	15%			\$	4,154,267
Inflation Allowance (Est @ 10% for 1 year)	10%			\$	2,769,511
TOTAL				\$	34,618,891

### **Final Design Summary**

 Marina maintains same slip count and balanced slip mix

 Commercial boats slips remain docked along perimeter of marina with fixed docks

 Resilient floating docks provided for non-commercial end users

 Fixed docks and gangway access platforms raised 15" to 24" to accommodate rising water levels

 Bulkhead replacement raises cap by 15" to 18" to meet minimum cap height

 "Marina Walk" extends Beach Walk with shade, and seating

- Kiosks located upland near primary dock entrances
- ADA compliant facility
- EV charging stations and electric boat charging added



