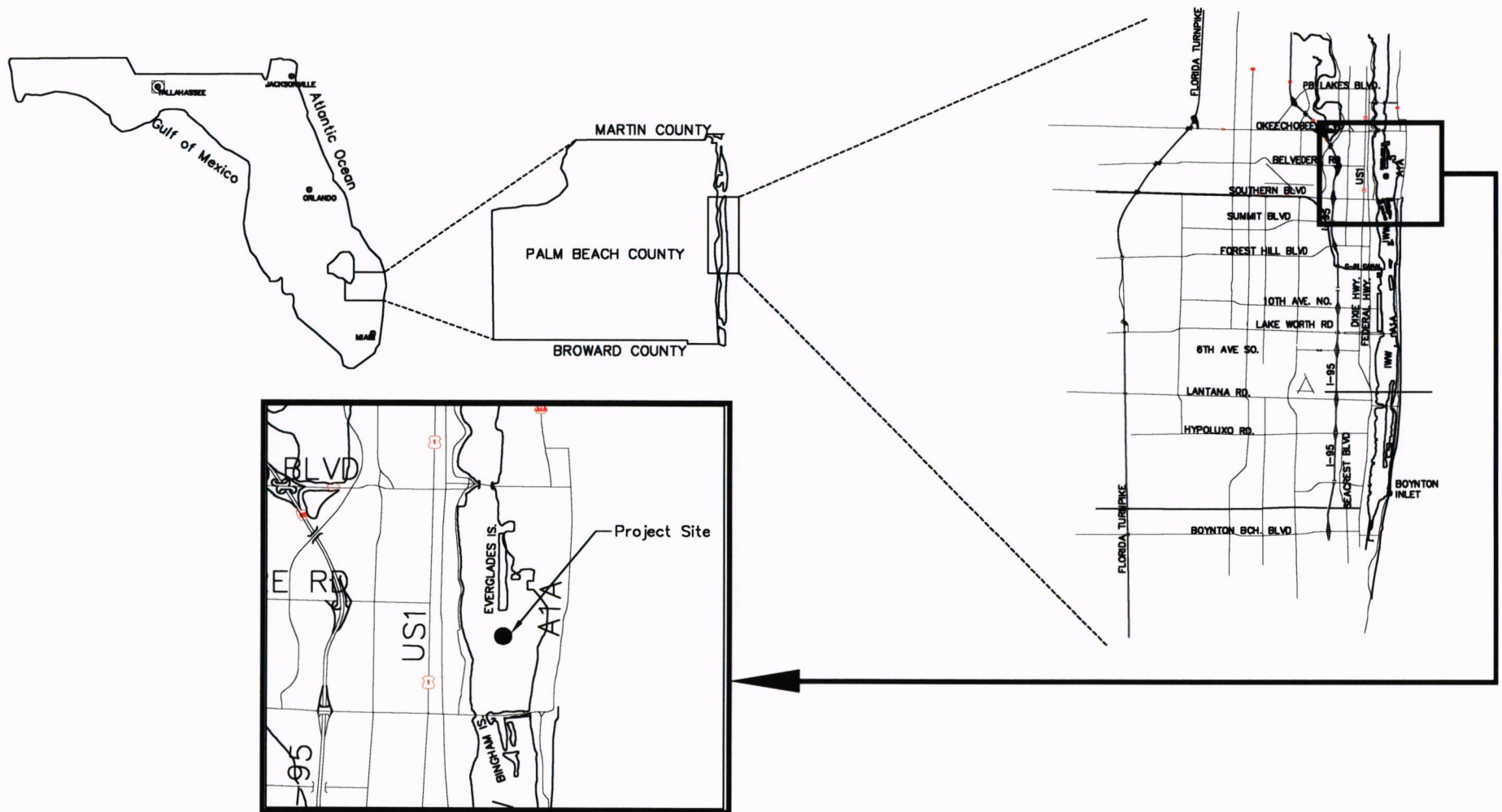


# **Palm Beach Resilient Islands Project Plans**



PALM BEACH COUNTY  
DEPARTMENT OF  
ENVIRONMENTAL  
RESOURCES  
MANAGEMENT

# Drawing 1. Palm Beach Resilient Island Project Location and Vicinity Map

Project \_\_\_\_\_  
Subject \_\_\_\_\_  
Project No. \_\_\_\_\_  
Sheet \_\_\_\_\_ of \_\_\_\_\_



Baseline

EL. = -0.5

Top of Bird Nesting Mound = EL. +4.0

CROSS-SECTION 1

CROSS-SECTION 2

Toe of Fill

### LEGEND

#### Notes:

- 1) All elevations are referenced to the North American Vertical Datum of 1988 (NAVD).
- 2) All horizontal distances in feet.
- 3) Total fill footprint = 1.23 ac.
- 4) Wavebreak/Oyster Reef side slopes = 1.5H:1V
- 5) Fill sideslopes = 7H:1V
- 6) Bird mound sideslopes = 5H:1V.
- 7) Cross-sections shown on Drawing 3.
- 8) Fill quantity = 4,596 cu. yds.
- 9) Type A armor stone quantity = 419 tons.
- 10) Type B stone quantity = 1,088 tons.
- 11) Gravel quantity = 23 tons.
- 12) See Drawing 3 for cross-sections.



Riprap Wavebreak (2' to 3' limestone boulders) (0.11 ac.)



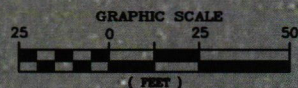
Oyster Reef (9" to 18" limestone rock) (0.13 ac.)



Mangrove/Spartina Planting Area (0.46 ac)



Bird Nesting Mound w/Gravel Cover (0.20 ac)



Sheet  
2

Project  
**PALM BEACH RESILIENT ISLANDS PROJECT**

PHASE I PLAN VIEW

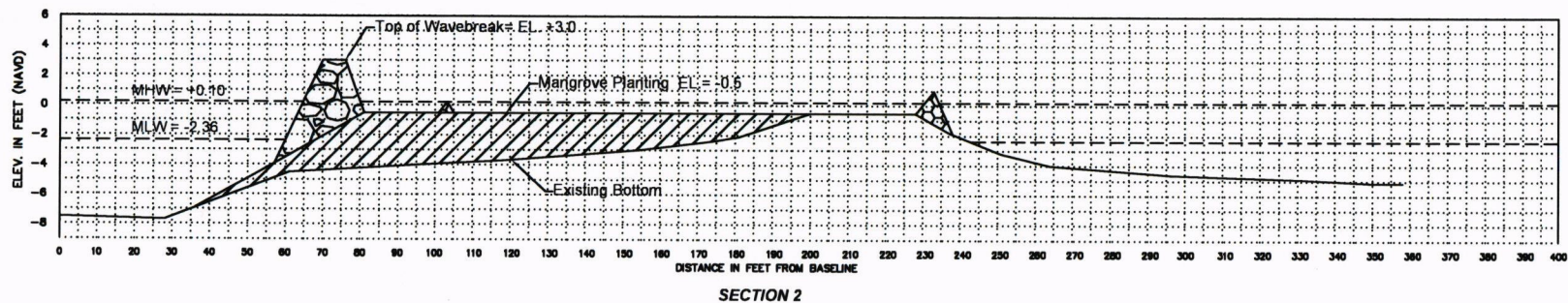
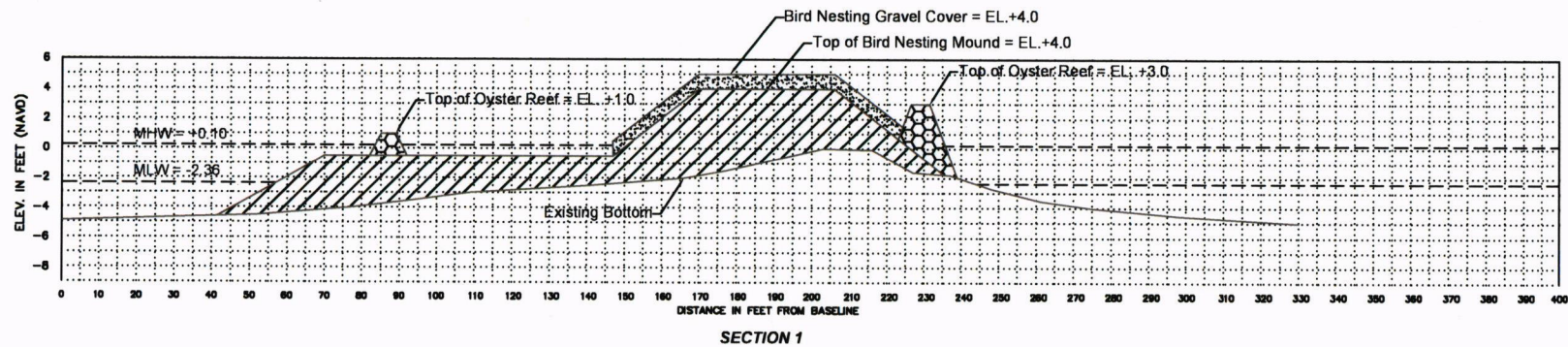
SCALE

No.	Revision	By	Date
1	AS NOTED		
2	Approved: MAA		
3	Checked: MAA		
4	Date: 2/27		
Field Book No:			



**PALM BEACH COUNTY**  
DEPARTMENT OF  
ENVIRONMENTAL RESOURCES MANAGEMENT  
2300 N. Jog Road, 4th Floor  
WEST PALM BEACH, FLORIDA  
(561) 233-2400





#### Notes:

- 1) All elevations are referenced to the North American Vertical Datum of 1988 (NAVD).
- 2) All horizontal distances in feet.
- 3) MHW = +0.10 NAVD, MLW = -2.36 NAVD.
- 4) Wavebreak/Oyster Reef side slopes = 1.5H:1V.
- 5) Fill sideslopes = 7H:1V.
- 6) See Drawing 2 for section locations.



Riprap Wavebreak (Type A riprap, 1' to 3' limestone boulders)



Oyster Reef (Type B riprap, 9" to 18" limestone rock)

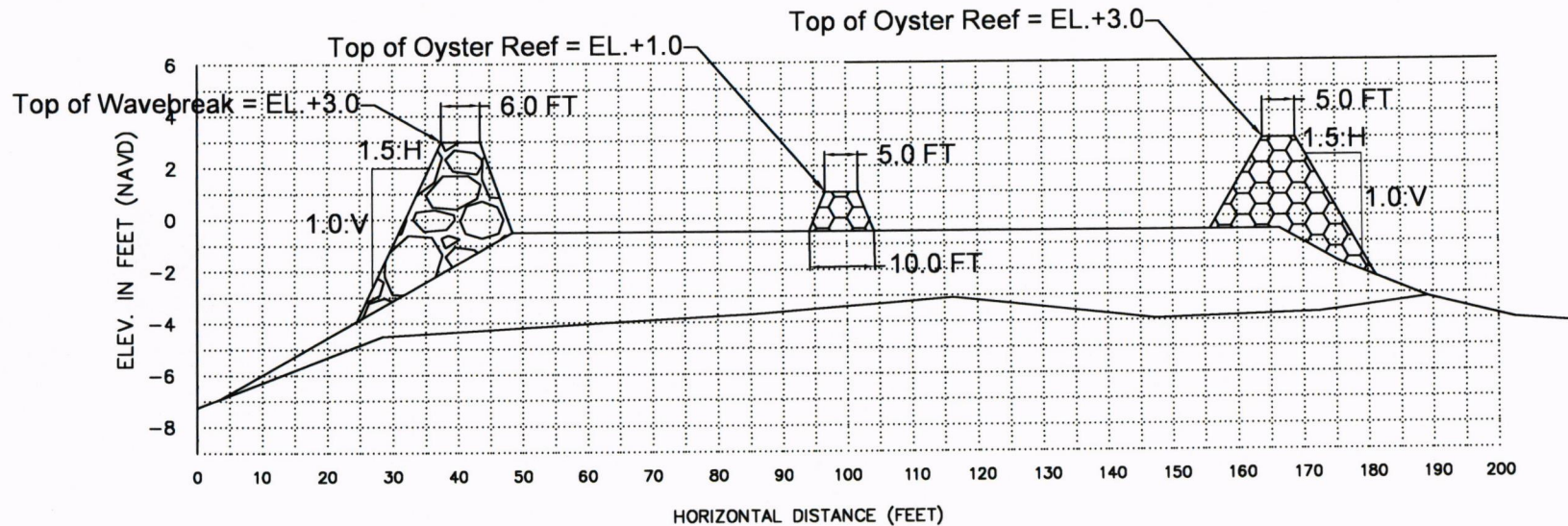


Bird Nesting Cover (Bedding stone, 4" to 9" limestone rock)



Fill Area

## TYPICAL WAVEBREAK/OYSTER REEF CROSS-SECTIONS



Riprap Wavebreak (Type A riprap, 1' to 3' limestone boulders)



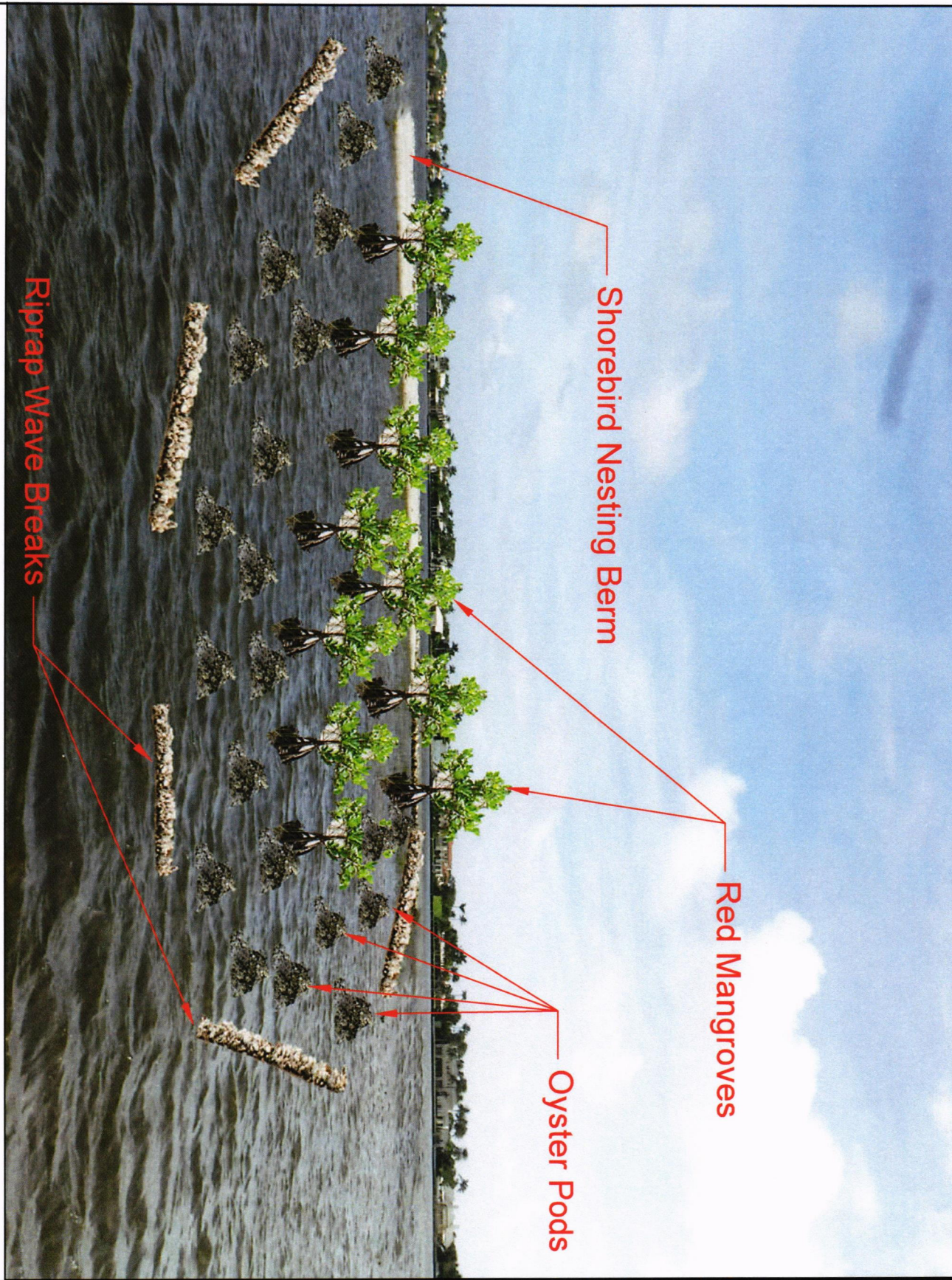
Oyster Reef (Type B riprap, 9" to 18" limestone rock)

### Notes:

- 1) All elevations are referenced to the North American Vertical Datum of 1988 (NAVD).
- 2) All horizontal distances in feet.
- 3) Wavebreak and Oyster Reef side slopes = 1.5H:1V.
- 4) Wavebreaks are 6 ft wide at the crest.
- 5) Oyster Reefs are 5 ft wide at the crest.

SEAL





Riprap Wave Breaks

Shorebird Nesting Berm

Red Mangroves

Oyster Pods

Scale: AS NOTED  
Date: 3/05/2021  
Sheet: OF

Palm Beach Resilient Islands  
Photo Rendering



PALM BEACH COUNTY  
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