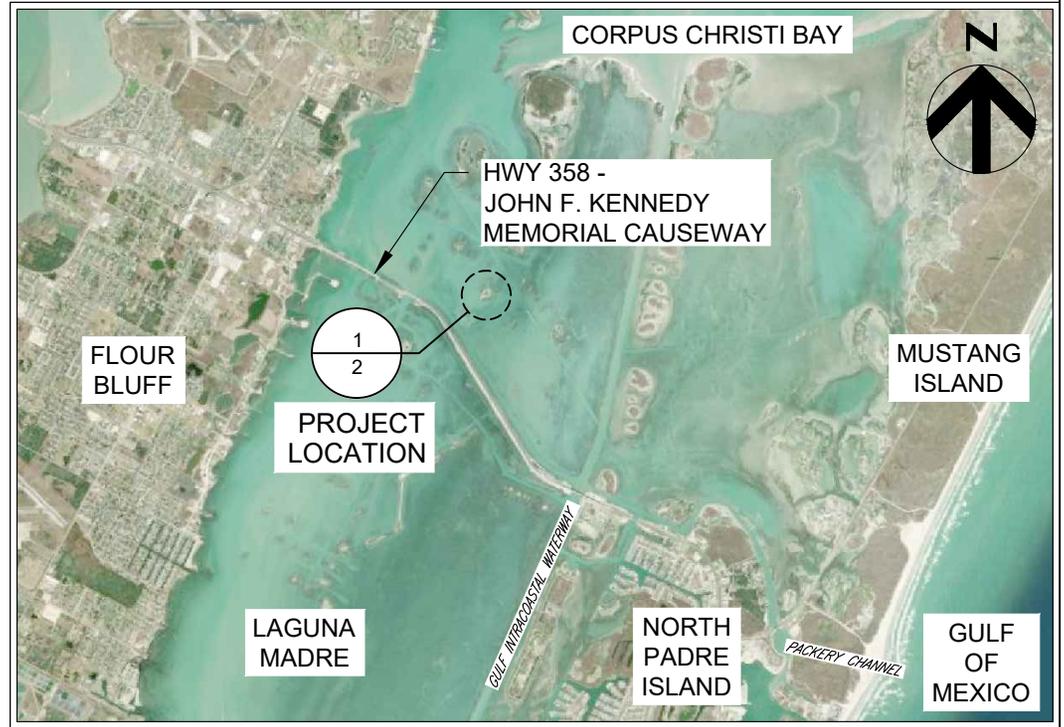


VICINITY MAP



LOCATION MAP



ACTIVITY: TERN ROOKERY ISLAND PROTECTION AND RESTORATION

APPLICANT: COASTAL BEND BAYS & ESTUARIES PROGRAM, INC.

DATE: OCTOBER 2023

HDR PROJECT NO: 10365350

DATUM: NAVD 88

REV. DATE:

SHEET 1 OF 7

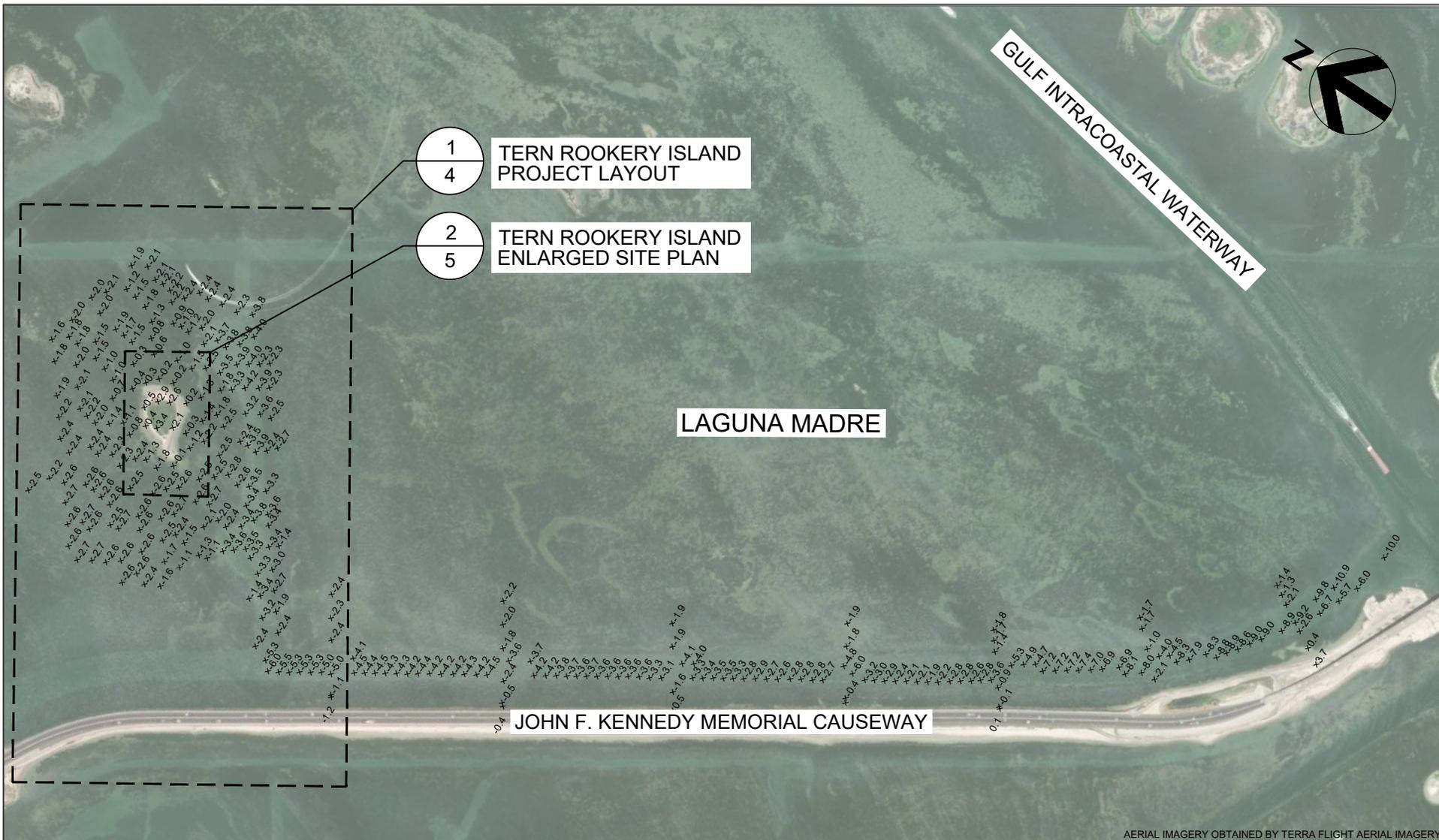
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AERIAL IMAGERY OBTAINED BY TERRA FLIGHT AERIAL IMAGERY

NOTES:

1. ALL ELEVATIONS REFERENCE NAVD'88.



ACTIVITY: TERN ROOKERY ISLAND PROTECTION AND RESTORATION

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SHEET 2 OF 7

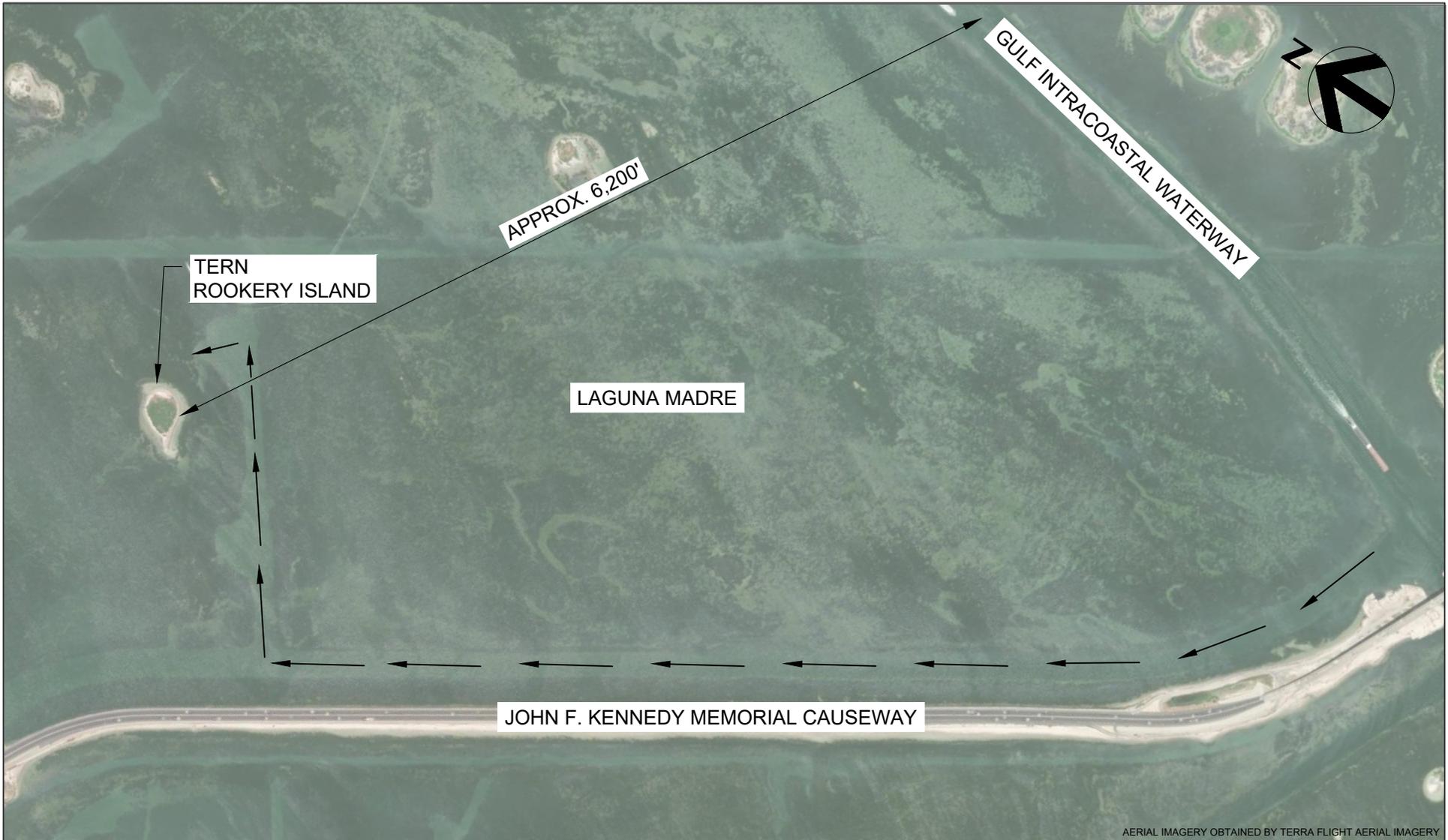
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AERIAL IMAGERY OBTAINED BY TERRA FLIGHT AERIAL IMAGERY

NOTES:

1. CONSTRUCTION ACCESS ROUTE WILL BE LIMITED TO EXISTING CHANNELS. NO SEAGRASS OR OTHER NATURAL RESOURCES WILL BE IMPACTED EXCEPT AS SHOWN ON SHEET 5.



CONSTRUCTION ACCESS ROUTE



LEGEND:

← ACCESS CORRIDOR



TBPELS Firm  
Registration No. F-754

ACTIVITY: TERN ROOKERY ISLAND PROTECTION AND RESTORATION

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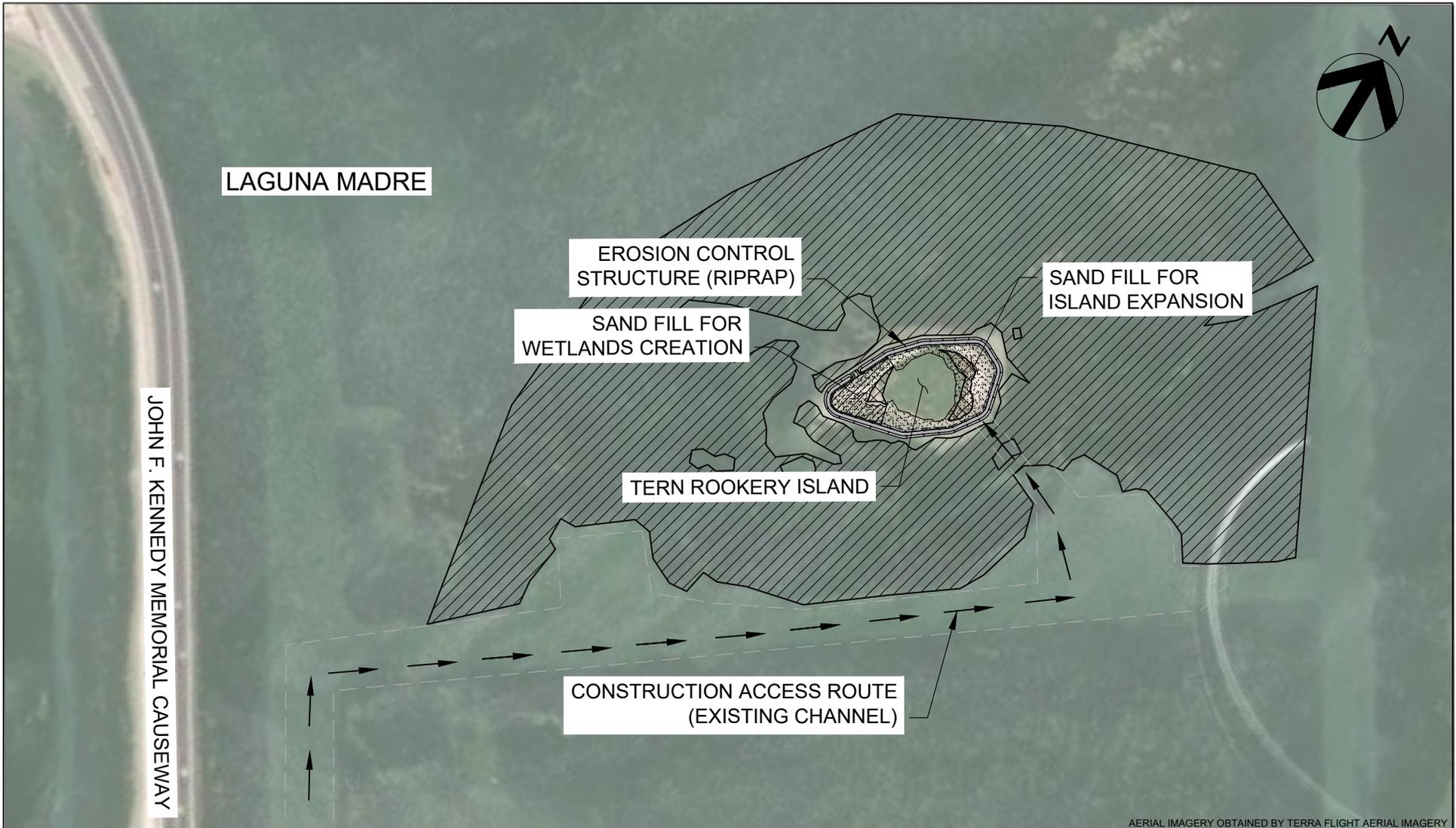
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AERIAL IMAGERY OBTAINED BY TERRA FLIGHT AERIAL IMAGERY

<b>LEGEND:</b>				<b>1</b>		<b>PROJECT LAYOUT</b>	<b>NOTES:</b>
	EXISTING SEAGRASS		SAND FILL FOR ISLAND EXPANSION ELEVATION +3.25'(±)		SAND FILL FOR WETLANDS CREATION ELEVATION +2.0'(±)		
	EXISTING WETLANDS		EROSION CONTROL STRUCTURE (ECS)		ACCESS CORRIDOR		



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SHEET 4 OF 7

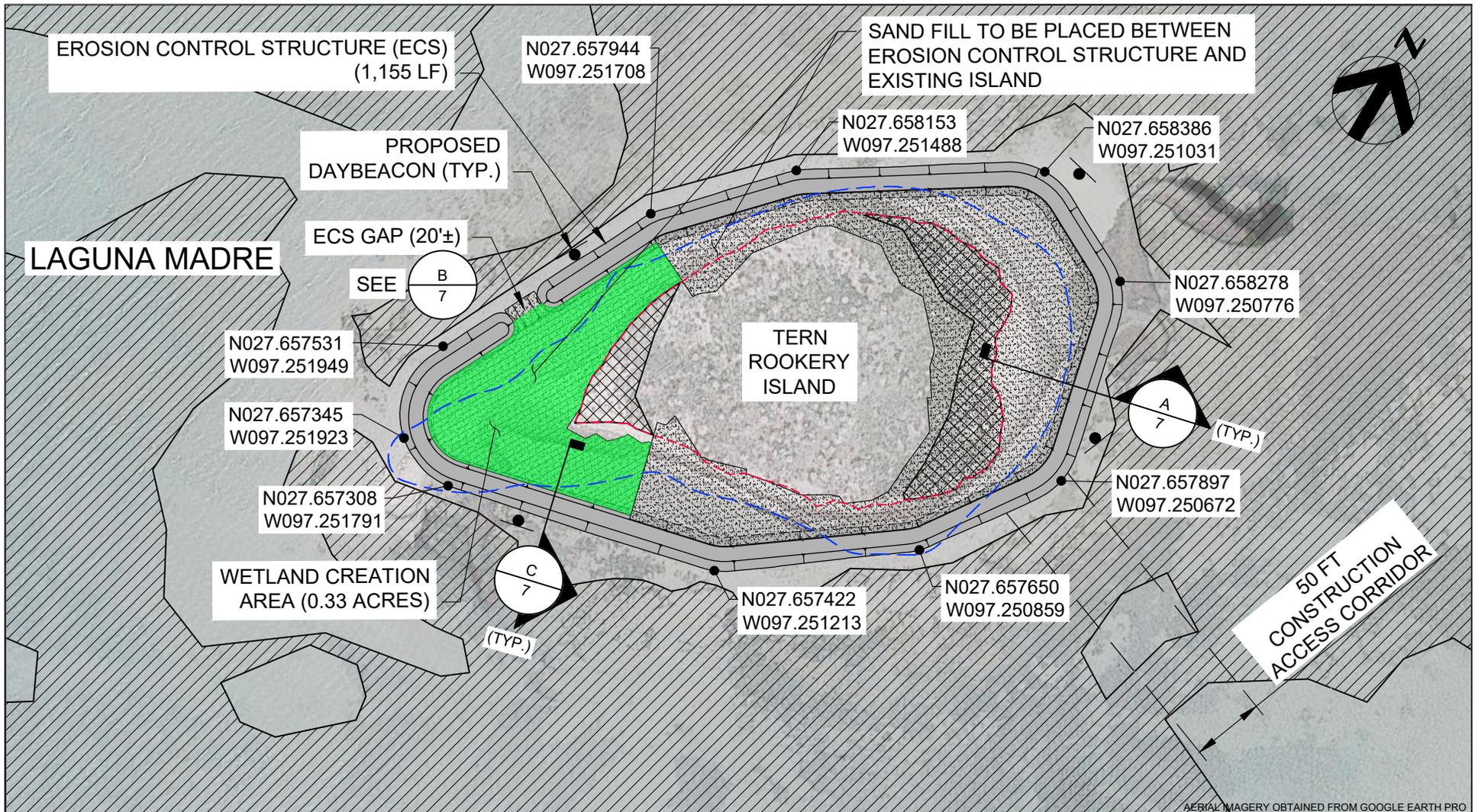
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AERIAL IMAGERY OBTAINED FROM GOOGLE EARTH PRO

**NOTES:**

1. SAND FILL AREAS TOTAL APPROXIMATELY 2,600 CY.
2. EROSION CONTROL STRUCTURE (ECS) CONSIST OF APPROXIMATELY 2,100 CY OF GRADED RIPRAP.
3. THE 0.33 ACRES OF CREATED WETLANDS WILL BE PLANTED WITH SPARTINA ALTERNIFLORA AND OTHER INTERTIDAL SPECIES.



**ENLARGED SITE PLAN**

SCALE: 0 50' 100'

**LEGEND:**

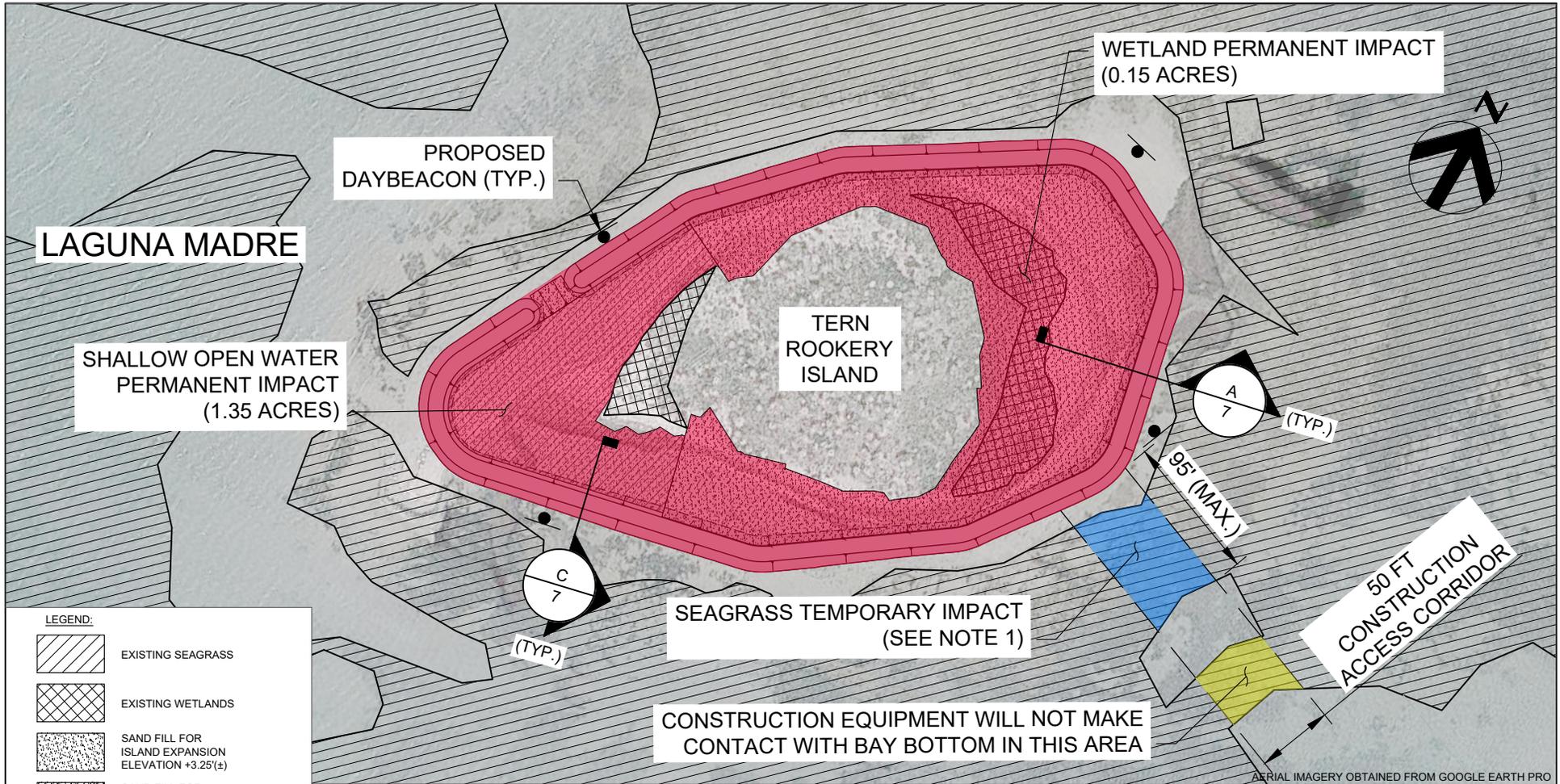
- EXISTING SEAGRASS
- EXISTING WETLANDS
- PROPOSED DAYBEACON
- SAND FILL FOR ISLAND EXPANSION ELEVATION +3.25'(±)
- EROSION CONTROL STRUCTURE (ECS)
- SAND FILL FOR WETLANDS CREATION ELEVATION +2.0'(±)
- MHW +0.79' NAVD
- HTL (FIELD DELINEATED)



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 SHEET 5 OF 7

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**LEGEND:**

- EXISTING SEAGRASS
- EXISTING WETLANDS
- SAND FILL FOR ISLAND EXPANSION ELEVATION +3.25'(±)
- SAND FILL FOR WETLANDS CREATION ELEVATION +2.0'(±)
- EROSION CONTROL STRUCTURE (ECS)
- TEMPORARY IMPACTS
- PERMANENT IMPACTS
- PROPOSED DAYBEACON

HABITAT TYPE	EXISTING ACRES IN STUDY AREA	CREATED HABITAT (ACRES)	PERMANENT IMPACTS (ACRES)	TEMPORARY IMPACTS (ACRES)
SEAGRASS	47.74	0.00	0.00	0.06
WETLANDS	0.21	0.33	0.15	0.00
SHALLOW OPEN WATER (BARE BOTTOM)	13.06	0.00	1.35	0.00
<b>TOTALS</b>	<b>61.01</b>	<b>0.33</b>	<b>1.50</b>	<b>0.06</b>

SURVEY AREA TOTALLED 62 ACRES INCLUDING UPLANDS ON TERN ROOKERY ISLAND. THE 0.99 ACRES OF UPLANDS ON THE ISLAND WEREN'T SURVEYED TO AVOID DISTURBING NESTING BIRDS.

**2 PROJECT IMPACTS**

SCALE: 0 50' 100'

- NOTES:**
- TEMPORARY IMPACTS TO SEAGRASS WILL OCCUR WITHIN THE ACCESS CORRIDOR FROM SHALLOW DRAFT BARGES TEMPORARILY RESTING ON THE BAY BOTTOM DURING CONSTRUCTION. TEMPORARY SEAGRASS IMPACTS WILL TOTAL APPROXIMATELY 0.06 ACRES.
  - SEAGRASS IMPACTS WILL BE TEMPORARILY AND LIMITED TO THE AREA SHOWN ON THIS SHEET. UP TO 0.06 ACRES OF SEAGRASS MAY BE TEMPORARILY IMPACTED BY CONSTRUCTION ACCESS.
  - UP TO 0.15 ACRES OF EXISTING WETLANDS AND 1.35 ACRES OF SHALLOW OPEN WATER WILL BE PERMANENTLY IMPACTED BY PLACEMENT OF ECS AND SAND FILL.
  - OVERALL PROJECT FOOTPRINT IS 1.64 ACRES AND INCLUDES THE EROSION CONTROL STRUCTURE AND SAND FILL.
  - UPLANDS SAND PLACEMENT IS APPROXIMATELY 0.14 ACRES.



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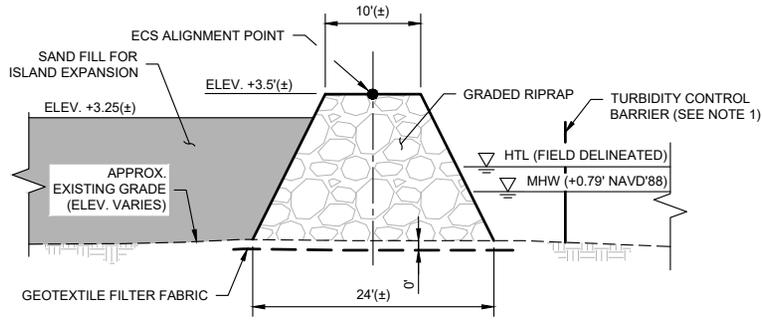
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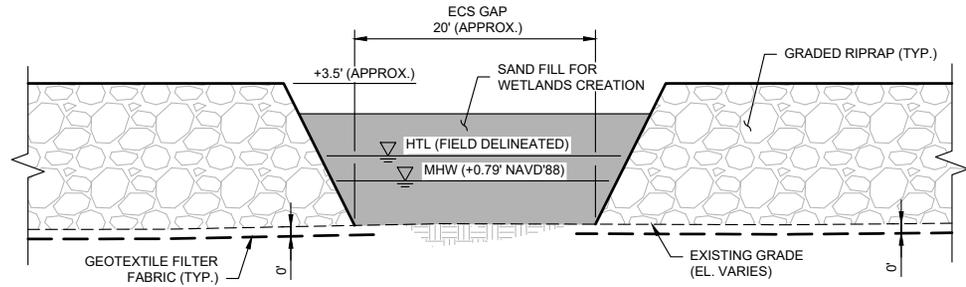
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**SECTION - GRR ECS AND SAND FILL FOR ISLAND EXPANSION**

A  
5

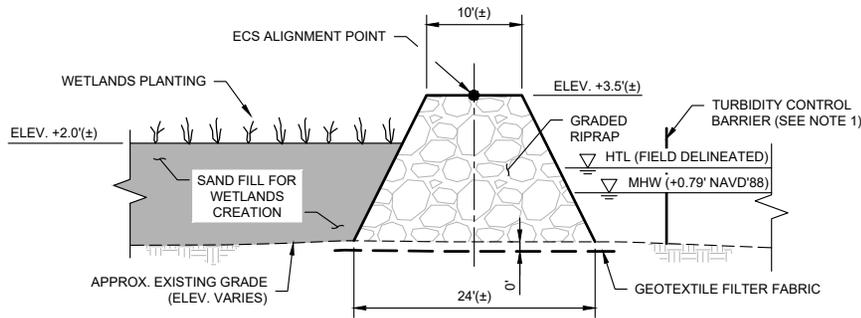
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**SECTION - GRR ECS GAP**

B  
5

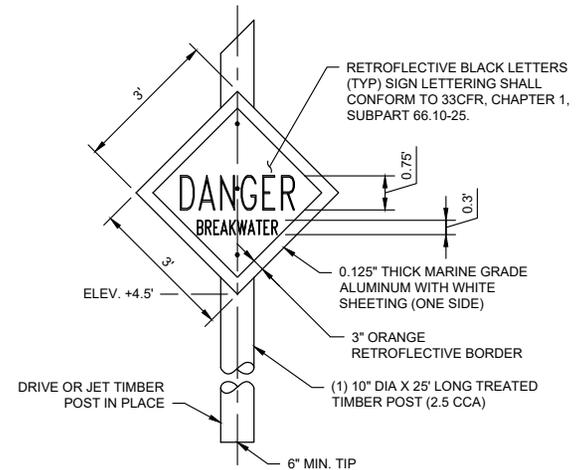
NOT TO SCALE



**SECTION - GRR ECS AND SAND FILL FOR WETLANDS CREATION**

C  
5

NOT TO SCALE



2  
-

**DETAIL - DAYBEACON**

NOT TO SCALE

**NOTES:**

1. DURING CONSTRUCTION, TEMPORARY TURBIDITY CONTROL BARRIER (E.G. SILT FENCE OR TURBIDITY CURTAIN) WILL BE PLACED BETWEEN ECS AND EXISTING SEAGRASS.
2. ALL ELEVATIONS REFERENCE NAVD'88.

**ABBREVIATIONS**

ECS	EROSION CONTROL STRUCTURE
GRR	GRADED RIPRAP
MLLW	MEAN LOWER LOW WATER



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