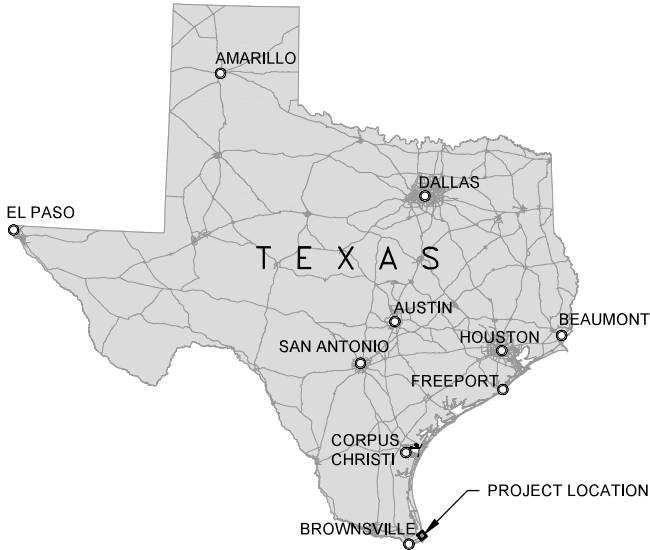


CHILDRENS BEACH SHORELINE RESTORATION PROJECT



DIRECTIONS:

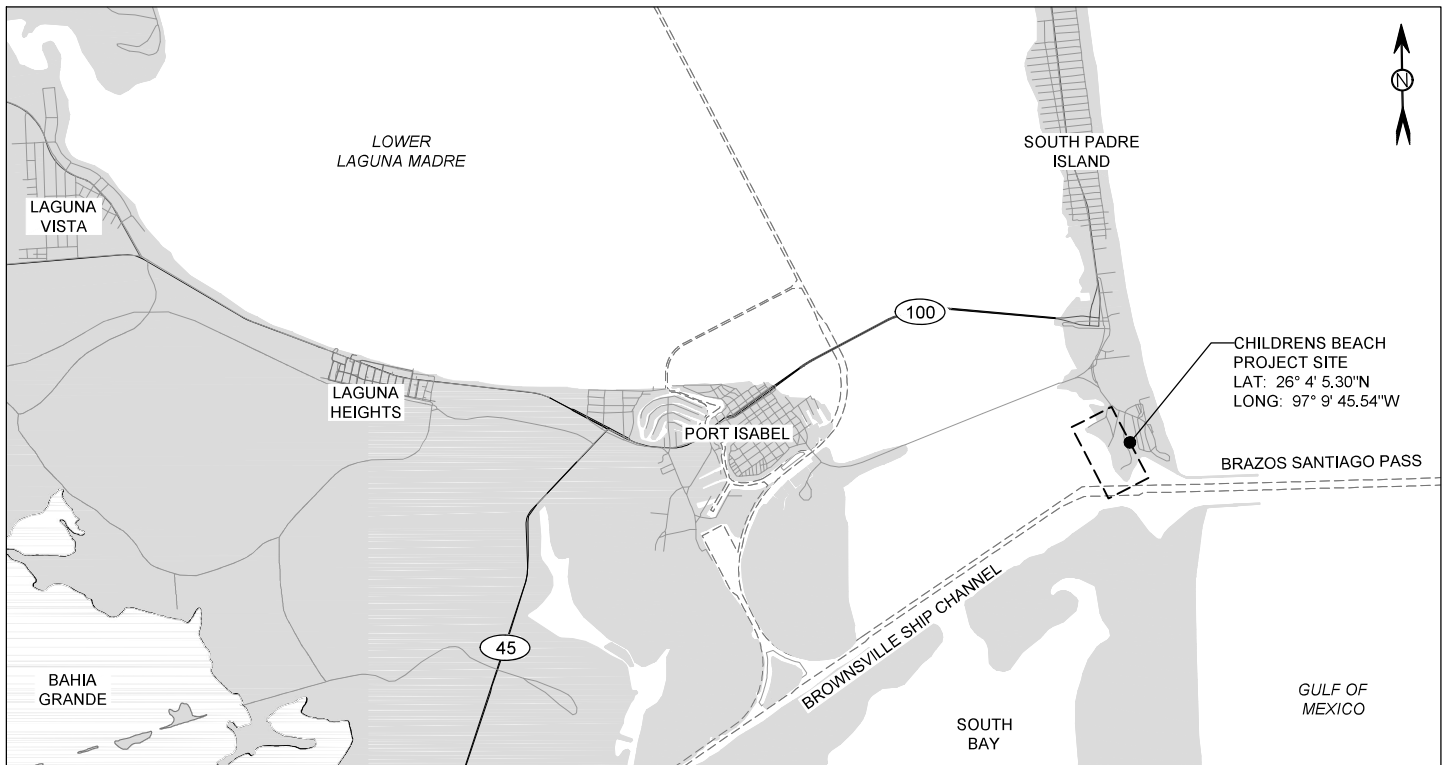
THE PROJECT SITE CAN BE ACCESSED VIA CHANNEL VIEW RD, WITHIN ISLA BLANCA COUNTY PARK AT 33174 STATE PARK RD 100, SOUTH PADRE ISLAND, TX 78597.

NATURE OF ACTIVITY:

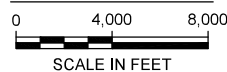
THE PURPOSE OF THIS PROJECT IS TO PROVIDE SHORELINE STABILIZATION, PROTECT AND REFORTIFY THE PROJECT SITE BY NOURISHING THE BEACH, REDUCING ONSHORE WAVE ENERGY, INCREASING SEDIMENT STABILIZATION, AND IMPROVING AQUATIC HABITAT CONDITIONS FOR MARINE LIFE AND SEAGRASS ESTABLISHMENT.

SHEET INDEX

SHEET NO.	TITLE
1	VICINITY - LOCATION MAP
2	EXISTING SITE CONDITIONS
3	PROPOSED SITE PLAN
4	GENERAL NOTES
5	TYPICAL CROSS SECTIONS - 1
6	TYPICAL CROSS SECTIONS - 2



LOCATION MAP

**PERMIT****APPLICANT: CAMERON COUNTY**

APRIL 6, 2023

SHEET 1 OF 6



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Corpus Christi, Texas 78401
Texas Registered Firm No. 12181
T +1 (361) 661-3061
www.mottmac.com

SITE ADDRESS:
26° 4' 5.30" N
97° 9' 45.54" W

VERIFY SCALE

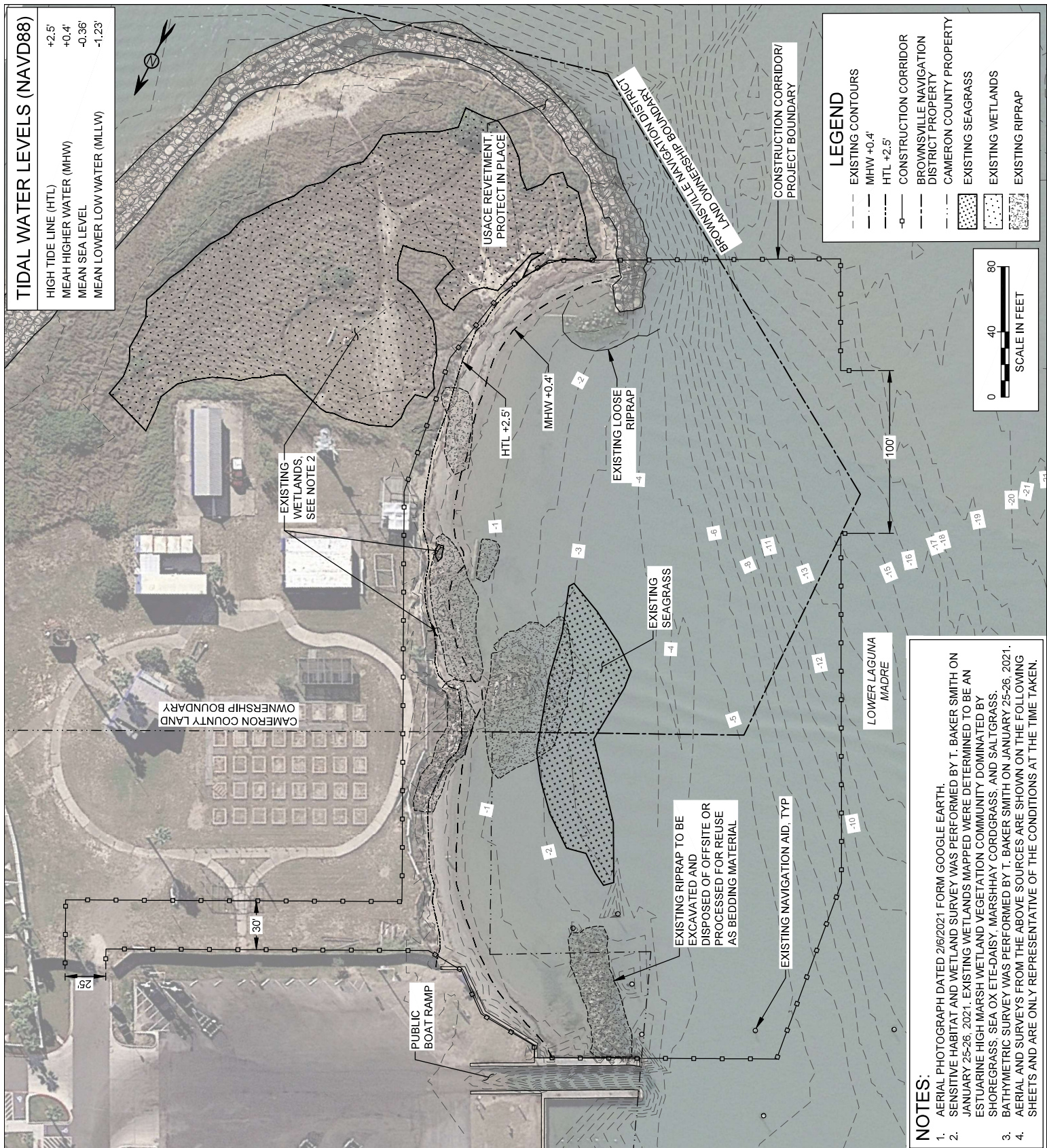
BAR IS ONE INCH ON ORIGINAL
DRAWINGS IF NOT ONE INCH ON THIS
SHEET, ADJUST SCALES ACCORDINGLY



CLIENT: CAMERON COUNTY
IN: SOUTH PADRE ISLAND, TX
ADJACENT: LAGUNA MADRE
COUNTY: CAMERON
STATE: TEXAS
VERTICAL DATUM: NAVD88
HORIZ. DATUM: TSPS NAD83-FT

**CHILDREN'S BEACH
SHORELINE RESTORATION PROJECT****VICINITY - LOCATION MAP**

THESE PLANS ARE INTENDED FOR PERMITTING AND ARE NOT TO
BE USED FOR BIDDING OR CONSTRUCTION.



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SHEET 2 OF 6



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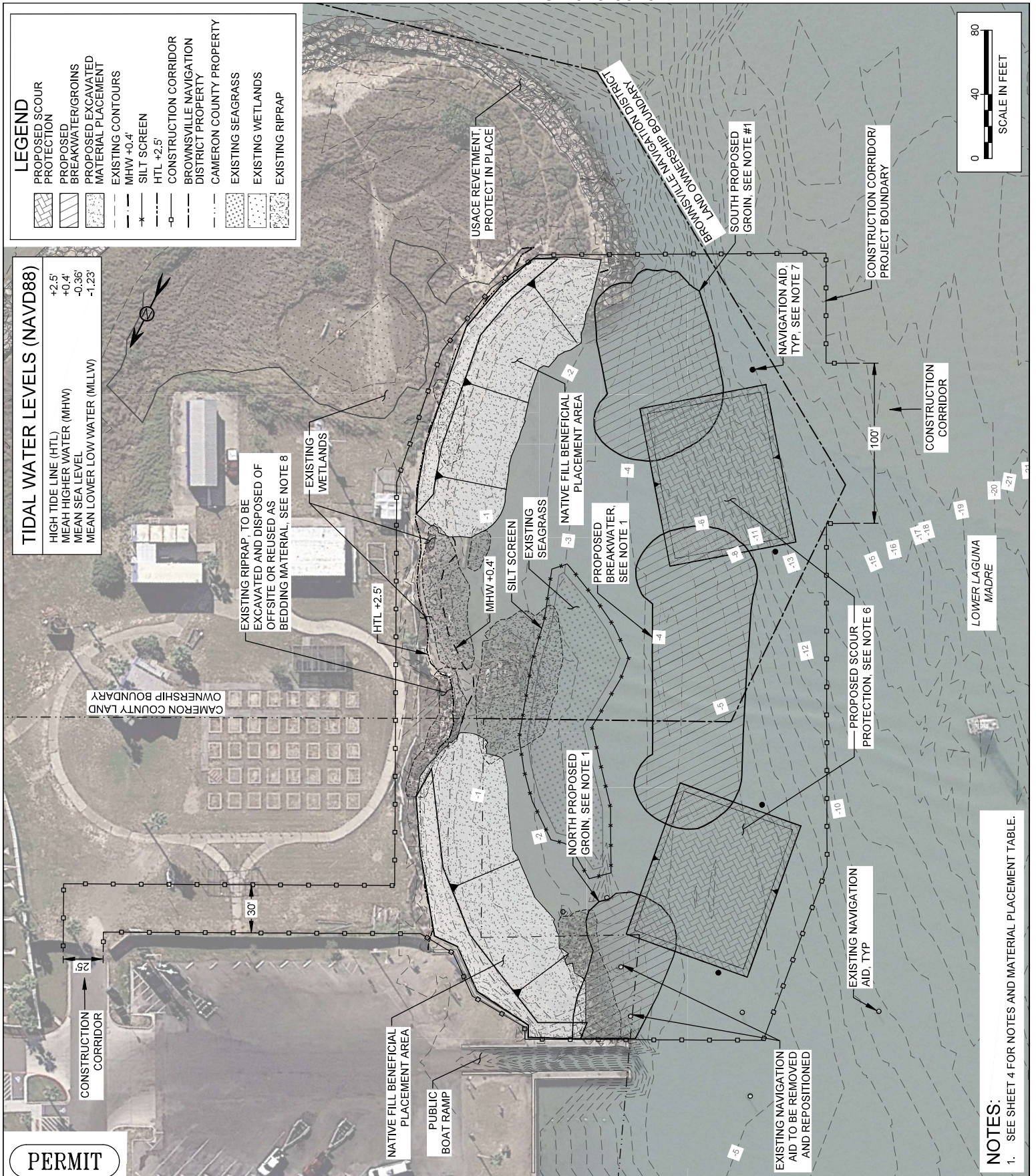
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**CHILDREN'S BEACH
SHORELINE RESTORATION PROJECT**

EXISTING SITE CONDITIONS



NOTES:
1. SEE SHEET 4 FOR NOTES AND MATERIAL PLACEMENT TABLE.

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APPLICANT: CAMERON COUNTY

APRIL 6, 2023

SHEET 3 OF 6

M
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CHILDREN'S BEACH
SHORELINE RESTORATION PROJECT

PROPOSED SITE PLAN

NOTES:

- 1. BREAKWATER AND GROINS MAY BE CONSTRUCTED OF MATERIAL OR UNITS COMPOSED OF CONCRETE, STEEL, MESH, GEOGRID, GEOTEXTILE, STONE, PILES, CHAINS, ANCHORS, OYSTER SHELL, OR SIMILAR. PROPOSED BREAKWATER, GROINS AND BEACH FILL LOCATIONS, QUANTITIES, AND ELEVATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE DURING FINAL DESIGN AND/OR DURING CONSTRUCTION DUE TO CHANGE IN CONDITIONS. NO HAZARDOUS MATERIALS SHALL BE CONSIDERED FOR BREAKWATER OR GROIN ALTERNATIVE MATERIAL TYPES.
- 2. NAVIGATION AIDS WILL BE PLACED IN ACCORDANCE WITH THE U.S. COAST GUARD REQUIREMENTS. AIDS TO NAVIGATION DETAILS TO BE FINALIZED BASED ON US COAST GUARD STANDARDS.
- 3. CONTRACTOR SHALL INSTALL TURBIDITY CURTAINS AND/OR APPROVED EQUAL BMPs TO MINIMIZE DISTURBANCE TO THE SHORELINE AND VEGETATION.
- 4. CONTRACTOR SHALL USE CONSTRUCTION MATS OR SIMILAR WITHIN LAND ACCESS AREAS TO MINIMIZE DISTURBANCE TO THE SHORELINE AND VEGETATION.
- 5. PERMANENT IMPACTS WATERWARD OF THE HTL WILL BE WITHIN UNVEGETATED BAY BOTTOM. NO IMPACTS TO EXISTING SEAGRASS, OYSTERS, OR WETLANDS ARE PROPOSED AS PART OF PROJECT CONSTRUCTION.
- 6. PROPOSED SCOUR PROTECTION AREAS SHALL BE EXCAVATED TO A MAXIMUM OF 2FT BELOW EXISTING ELEVATION AND CONSTRUCTED OF MARINE MATTRESS MATERIAL.
- 7. MAXIMUM AMOUNT OF NATIVE FILL BASED ON TOTAL AMOUNT OF EXCAVATION NEEDED FOR SCOUR PROTECTION INSTALLATION.
- 8. EXISTING RIPRAP SHALL BE EXCAVATED DOWN TO A MAXIMUM OF 3 FT DEPTH AND REPLACED WITH NATIVE FILL MATERIAL, WHERE NO SENSITIVE HABITAT IS PRESENT. TO AVOID IMPACTS TO EXISTING SENSITIVE HABITAT THERE WILL BE NO EXCAVATION OR PLACEMENT OF MATERIAL WITHIN 10 FEET FROM THE SURVEYED SEAGRASSES AND WETLANDS. SILT SCREENS SHALL BE INSTALLED AND MAINTAINED AROUND EXISTING SEAGRASS THROUGHOUT ALL EXCAVATION AND NATIVE FILL PLACEMENT ACTIVITIES.

TIDAL WATER LEVELS (NAVD88)	
HIGH TIDE LINE (HTL)	+2.5'
MEAH HIGHER WATER (MHW)	+0.4'
MEAN SEA LEVEL	-0.36'
MEAN LOWER LOW WATER (MLLW)	-1.23'

MAX EXCAVATION/FILL-RELATED IMPACTS (WATERWARD OF HTL & MHW)					
	MATERIAL	LENGTH (FT)	FOOTPRINT AREA (ACRES)	EXCAVATED VOLUME (CY)	PLACED VOLUME (CY)
1	NATIVE FILL MATERIAL BENEFICIAL PLACEMENT	500	0.50	0	1,300
2	GROIN AND BREAKWATER MATERIAL PLACEMENT	480	0.60	0	4,200
3	EXCAVATION AND PLACEMENT OF SCOUR PROTECTION MATERIAL*	200	0.45	1,300	1,300
4	EXCAVATION OF EXISTING RIPRAP AND PLACEMENT OF NATIVE FILL MATERIAL**	360	0.20	700	700

* VOLUMES SHOWN ARE MAXIMUM. EXCAVATED MATERIAL SHALL BE UTILIZED FOR NATIVE FILL PLACEMENT ITEMS 1 AND 4.

** LENGTH, FOOTPRINT AREA AND VOLUMES EXCAVATED ARE MAXIMUM AND WILL BE REPLACED WITH NATIVE FILL EXCAVATED FROM ITEM 3.

TIDAL WATER LEVELS (NAVD88)	
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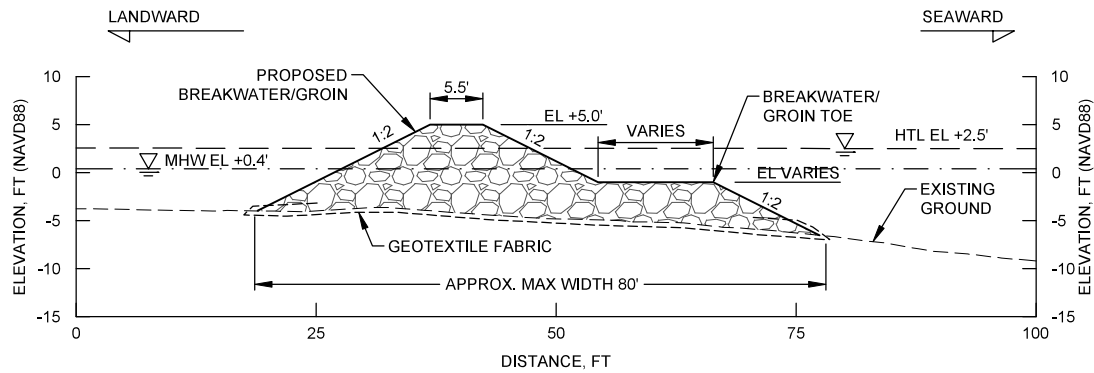
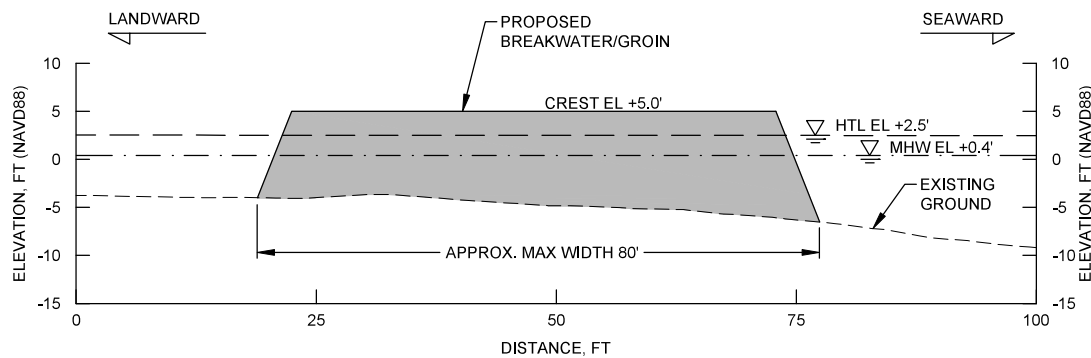
PERMIT

APPLICANT:CAMERON COUNTY

APRIL 6, 2023 SHEET 4 OF 6

<div><div>M</div><div>M</div><div>MOTT MACDONALD</div></div> <div>802 North Carancahua Suite 300 Corpus Christi, Texas 78401 Texas Registered Firm No. 12181 T +1 (361) 661-3061 www.mottmac.com</div>	<div>SITE ADDRESS: 26° 4' 5.30" N 97° 9' 45.54" W</div> <div>VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWINGS IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</div> <div>0 1"</div>	<div>CLIENT: CAMERON COUNTY IN: SOUTH PADRE ISLAND, TX ADJACENT: LAGUNA MADRE COUNTY: CAMERON STATE: TEXAS VERTICAL DATUM: NAVD88 HORIZ. DATUM: TSPS NAD83-FT</div>	<div>CHILDREN'S BEACH SHORELINE RESTORATION PROJECT</div> <div>GENERAL NOTES</div>
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SWG-2023-00264

**TYPICAL SECTION**STONE BREAKWATER
AND GROIN**TYPICAL SECTION**ALTERNATIVE MATERIAL
BREAKWATER
AND GROIN**NOTES:**

- BREAKWATER AND GROINS MAY BE CONSTRUCTED OF MATERIAL OR UNITS COMPOSED OF CONCRETE, STEEL, MESH, GEOGRID, GEOTEXTILE, STONE, PILES, CHAINS, ANCHORS, OYSTER SHELL, OR SIMILAR. PROPOSED BREAKWATER, GROINS AND BEACH FILL LOCATIONS, QUANTITIES, AND ELEVATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE DURING FINAL DESIGN AND/OR DURING CONSTRUCTION DUE TO CHANGE IN CONDITIONS. NO HAZARDOUS MATERIALS SHALL BE CONSIDERED FOR BREAKWATER OR GROIN ALTERNATIVE MATERIAL TYPES.

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SHEET 5 OF 6



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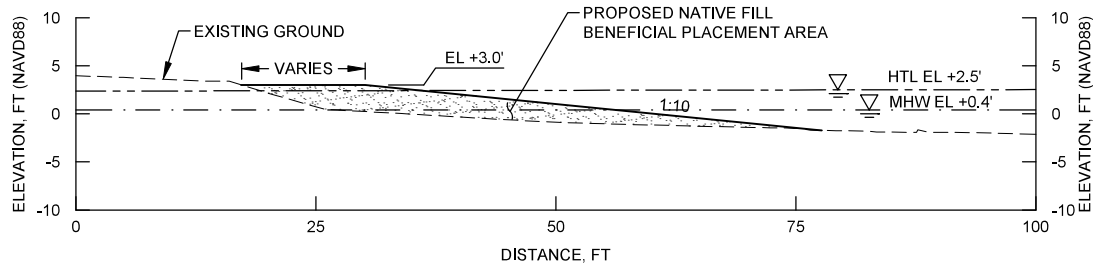


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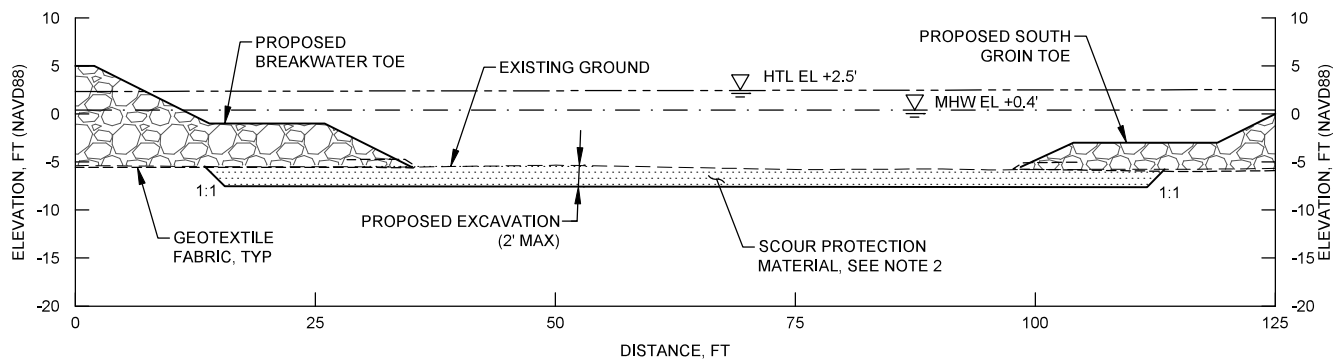
**CHILDREN'S BEACH
SHORELINE RESTORATION PROJECT**

TYPICAL CROSS SECTIONS - 1

SWG-2023-00264

**TYPICAL SECTION**PROPOSED NATIVE FILL BENEFICIAL
PLACEMENT AREA

SCALE IN FEET

**TYPICAL SECTION**

SCOUR PROTECTION AREA



SCALE IN FEET

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- PROPOSED SCOUR PROTECTION AREAS SHALL BE EXCAVATED TO A MAXIMUM OF 2 FT BELOW EXISTING ELEVATION AND CONSTRUCTED OF MARINE MATTRESS MATERIAL. EXCAVATED MATERIAL TO BE BENEFICIALLY USED AS NATIVE FILL MATERIAL ON SITE AS SHOWN ON SHEET 3.

TIDAL WATER LEVELS (NAVD88)

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**CHILDREN'S BEACH
SHORELINE RESTORATION PROJECT****TYPICAL CROSS SECTIONS - 2**

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