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CALHOUN COUNTY PORT ALTO SHORELINE RESTORATION AND HABITAT PROTECTION PROJECT PALACIOS SHEET INDEX SHEET NO. SHEET TITLE POINT COMFORT LOCATION MAP 1 2 NOTES AND QUANTITIES 3 EXISTING SITE PLAN PROPOSED SITE PLAN 4 DREDGE AREA DETAILS 5 6 BEACH FILL DETAILS PROJECT VICINITY BREAKWATER DETAILS 7 CARANCAHUA BAY 8 MARSH CIRCULATION DETAILS LAVACA BAY MATAGORDA BAY AMARILLO . VICINITY MAP DALLAS 20.000 10.000 EL PASO TEXAS BEAUMONT SAN ANTONIO FREEPOI NATURE OF ACTIVITY: THE PURPOSE OF THIS PROJECT IS TO RESTORE BEACH ACCESS WITHIN THE PORT ALTO PARK, REDUCE EROSION, CHRISTI AND TO PROTECT EXISTING WETLAND HABITATS. PROJECT LOCATION BROWNSVILLE CLIENT: DATE: PROJECT: PORT ALTO SHORELINE 11/27/2023 CALHOUN COUNTY Stantec RESTORATION AND HABITAT PERMIT DRAWINGS PROJECT NO. **PROTECTION PROJECT** THESE PLANS ARE INTENDED FOR PERMITTING AND ARE NOT TO BE USED FOR BIDDING OR CONSTRUCTION 177311818 Stantec Consulting Services Inc VERIFY SCALES 1905 Aldrich Street Suite 300 BAR IS ONE INCH ON ORIGINAL DRAWING Austin TX 78723-3544 LOCATION MAP Tel: (512) 328-0011

IF NOT ONE INCH ON THIS SHEET, ADJUST

SCALES ACCORDINGLY

SHEET 1 of 8

GENERAL NOTES:

11818-C-2.DWG 07/21/2020

- 1. THIS DRAWING SET AMENDS EXISTING PERMIT SWG-2012-00493.
- 2. APPROXIMATE PROJECT LOCATION:
 - 28° 39' 55.32"N
 - 96° 24' 27.42"W
- 3. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UNLESS OTHERWISE NOTED.
- 4. CONTOURS SHOWN DEVELOPED FROM SURVEY COLLECTED BY CIVILCORP BETWEEN APRIL AND MAY 2023 USING HYDROGRAPHIC, TOPOGRAPHIC, AND LIDAR SURVEY METHODS.
- AERIAL IMAGERY BASEMAP IS FROM MICROSOFT BING MAPS MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS.
- SENSITIVE HABITAT AND TIDAL ELEVATION SURVEYS CONDUCTED BY TRITON ENVIRONMENTAL SOLUTIONS, LLC FROM 4/4/23 - 4/5/23.

TIDAL ELEVATIONS (NAVD88)	
MEAN HIGH WATER (MHW):	+1.09 FT
ANNUAL HIGH TIDE (AHT)	+1.84 FT

REFERENCE NOAA STATION NO. 8773701: PORT O'CONNOR

PROPOSED ACTIVITIES				
DESCRIPTION	MAX, AREA (ACRE)	MAX. VOLUME (CY)	MATERIAL	
BORROW AREA	1.1	8,700	NATIVE SEDIMENT	
BEACH FILL (NORTH)	3.7	20,500	NATIVE SEDIMENT AND IMPORTED SAND FILL	
BEACH FILL (SOUTH)	4.4	19,500	NATIVE SEDIMENT AND IMPORTED SAND FILL	
PROPOSED BREAKWATERS (ALTERNATIVE "A")	1.2	7,100	STONE	
PROPOSED BREAKWATERS (ALTERNATIVE "B")	0.6	7,100	ARTIFICIAL REEF UNITS, STONE FILL GABIONS	
CIRCULATION CHANNELS (EXCAVATION)	0.3	1,200	NATIVE SEDIMENT	

- 1. THE PROJECT IS WITHIN AND ADJACENT TO ENVIRONMENTALLY SENSITIVE AREAS. EXISTING WETLANDS WILL BE PHYSICALLY MARKED FOR AVOIDANCE AND BEST MANAGEMENT PRACTICES FOR TURBIDITY CONTROLS, DREDGING, AND PROTECTION OF THE ENVIRONMENT WILL BE IMPLEMENTED.
- 2. TEMPORARY ACCESS ROUTE SHOWN ON SHEET 4 SHALL MAINTAIN A 20 FOOT MAXIMUM WIDTH.
- TIMBER MATS, OR EQUIVALENT SHALL BE UTILIZED TO MINIMIZE DISTURBANCE TO VEGETATION. IMMEDIATELY UPON COMPLETION OF WORK.

MAXIMUM PROPOSED PROJECT IMPACTS			
PROJECT FEATURE	HABITAT	TYPE	QUANTITY
BEACH FILL (NORTH)	LIVE OYSTER	RELOCATED	0.16 ACRES
BORROW AREA AND CIRCULATION CHANNEL DREDGING	ESTUIARINE WETLANDS	PERMANENT IMPACT	0.22 ACRES
BORROW AREA AND CIRCULATION CHANNEL DREDGING	WETLAND - SMOOTH CORDGRASS	PERMANENT IMPACT	0.07 ACRES
TEMPORARY ACCESS ROUTE	ESTUIARINE WETLANDS	TEMPORARY IMPACT	0.09 ACRES

Stantec Consulting Services Inc. 1905 Addrich Street Suite 300 Austin IX 78723-3544 Tel: (512) 328-0011 www.stantec.com PERMIT ID PERMITTING AND ARE BIDDING OR CI	PERMIT DRAWINGS	CLIENT: CALHOUN COUNTY	DATE: 11/27/2023 PROJECT NO.	PROJECT: PORT ALTO SHORELINE RESTORATION AND HABITAT PROTECTION PROJECT
	THESE PLANS ARE INITENDED FOR PERMITTING AND ARE NOT TO BE USED FOR BIDDING OR CONSTRUCTION	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET 2 of 8	NOTES AND QUANTITIES





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