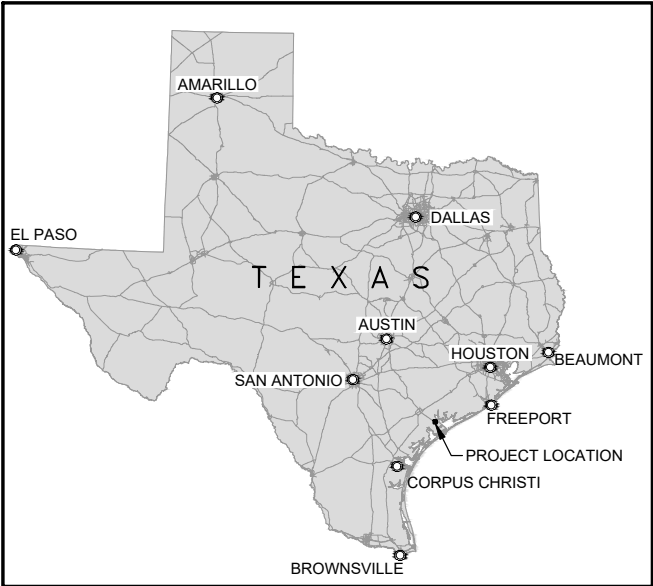




# SWAN POINT

## SHORELINE RESTORATION PROJECT



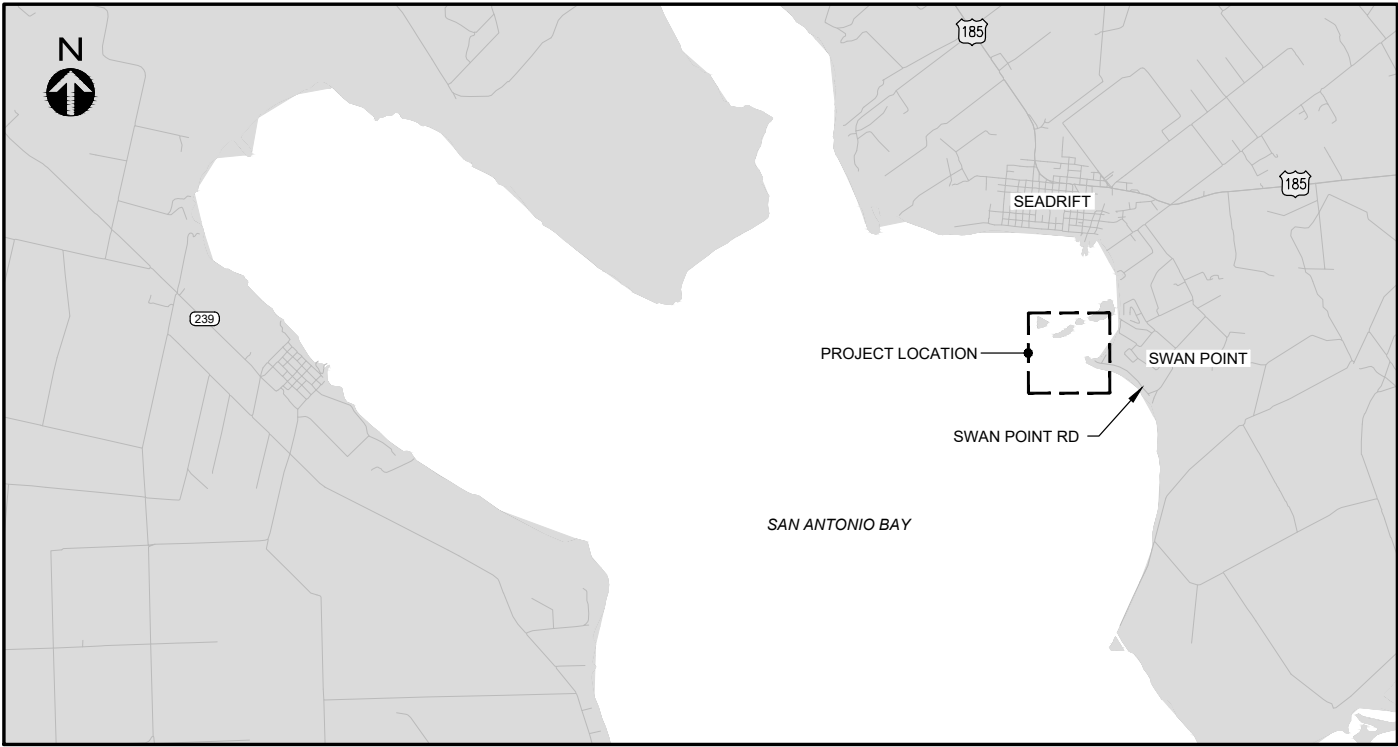
DIRECTIONS

THE PROJECT SITE CAN BE ACCESSED FROM TX-35  
-TURN LEFT ONTO TX-185 E  
-TURN RIGHT ONTO DIERLAM RD/ GATES RD  
-TURN LEFT ONTO OLD SETTLEMENT RD  
-TURN RIGHT ONTO SWAN POINT RD

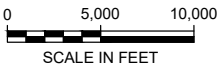
NATURE OF ACTIVITY

THE PURPOSE OF THIS PROJECT IS TO MITIGATE EROSION OF THE EXISTING MARSH ALONG THE SWAN POINT SHORELINE AND REDUCE SEDIMENTATION IN THE EXISTING BOAT RAMP CHANNEL. THE PROPOSED WORK INCLUDES MAINTENANCE DREDGING OF THE BOAT RAMP CHANNEL, MARSH CREATION, AND SHORELINE PROTECTION STRUCTURES. THE PROPOSED SHORELINE PROTECTION STRUCTURES INCLUDE STONE BREAKWATERS WITH ARTIFICIAL REEF GAP PROTECTION.

SHEET INDEX	
SHEET NO.	TITLE
1	COVER SHEET
2	EXISTING SITE PLAN
3	ACCESS PLAN
4	PROPOSED SITE PLAN
5	TYPICAL CROSS SECTIONS
6	TYPICAL CROSS SECTIONS
7	TYPICAL CROSS SECTIONS



LOCATION MAP



PERMIT

APPLICANT: CALHOUN COUNTY

NOVEMBER 19, 2024 SHEET 1 OF 7



110 Wild Basin Road  
Suite 100  
Austin, Texas 78746  
Texas Registered Firm No. 7429  
T +1 (512) 342 9516  
www.mottmac.com

SITE LOCATION:  
28°23'21.46"N  
96°42'33.31"W

VERIFY SCALE

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



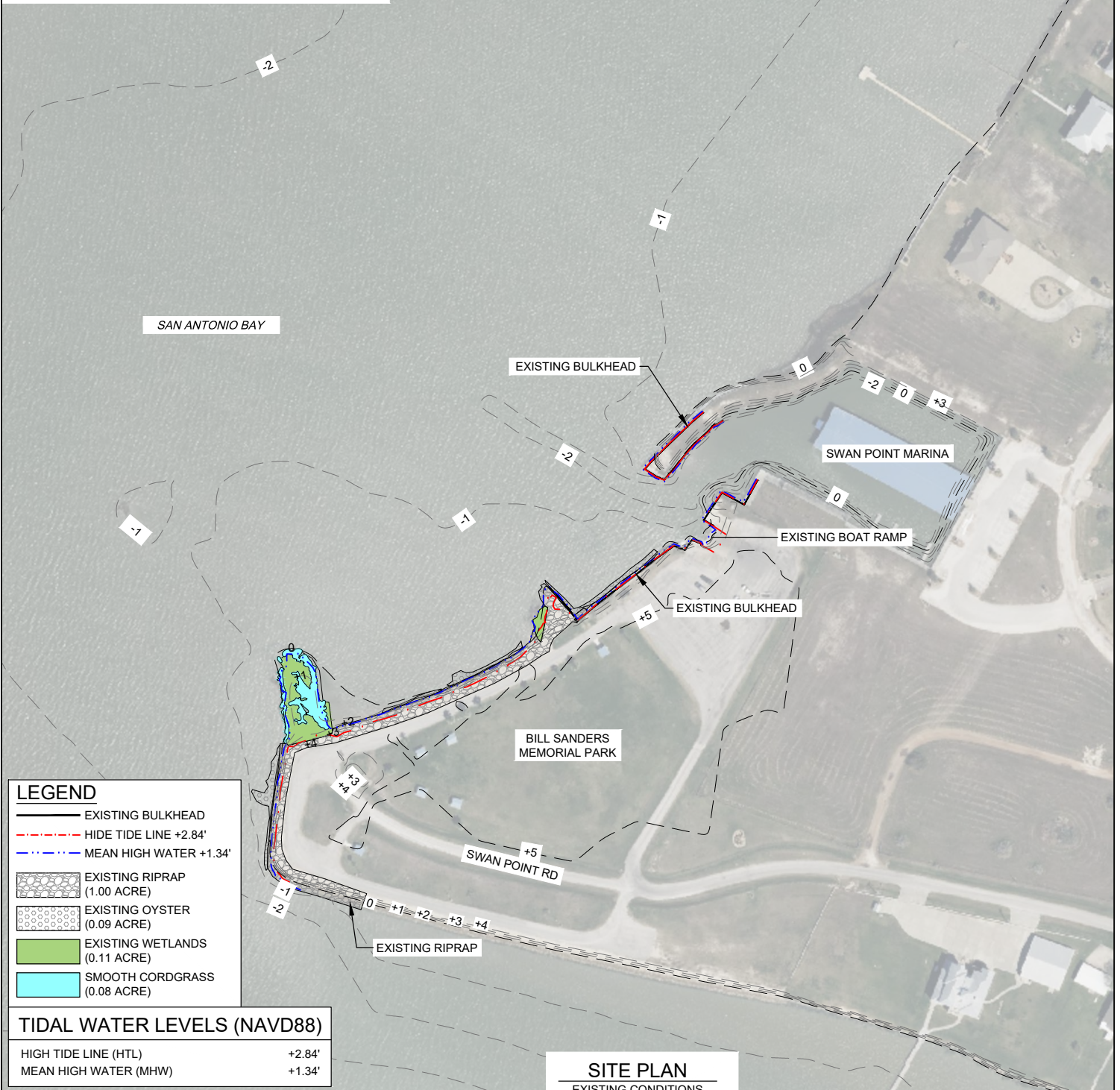
CLIENT: CALHOUN COUNTY  
IN: CALHOUN COUNTY  
ADJACENT: SAN ANTONIO BAY  
COUNTY: CALHOUN  
STATE: TEXAS  
VERTICAL DATUM: NAVD88  
HORIZ. DATUM: TSP NAD83-FIT

SWAN POINT  
SHORELINE RESTORATION PROJECT  
SEADRIFT, TEXAS

COVER SHEET

## NOTES

- COORDINATES ARE IN NAD83 TEXAS STATE PLANE SOUTH CENTRAL ZONE, US FOOT.
- ALL ELEVATIONS ARE IN FEET AND REFERENCED TO NAVD88 UNLESS OTHERWISE NOTED.
- ONSHORE PROJECT AREA OF ACTION IS LIMITED TO HAUL ROUTES. THE CONTRACTOR MAY ELECT TO USE STAGING OUTSIDE OF SENSITIVE HABITAT IF NEEDED.



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APPLICANT: CALHOUN COUNTY

NOVEMBER 19, 2024

SHEET 2 OF 7

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**SWAN POINT**  
**SHORELINE RESTORATION PROJECT**  
**SEADRIFT, TEXAS**

**EXISTING SITE PLAN**

NOTES

- 1. OPTIONAL TEMPORARY MECHANICALLY DREDGED ACCESS CHANNELS MAY BE CREATED TO AID IN CONSTRUCTION OF THE PROJECT ELEMENTS BASED ON EQUIPMENT NEEDS DETERMINED BY THE CONTRACTOR.
- 2. SEDIMENT SHALL BE MECHANICALLY EXCAVATED ON AN AS NEEDED BASIS AND MATERIAL WILL BE TEMPORARILY SIDE-CAST WITHIN THE LIMITS SHOWN.
- 3. EXCAVATED MATERIAL NOT ERODED AT THE TIME OF CONSTRUCTION COMPLETION ARE TO BE BACKFILLED INTO THE ACCESS CHANNEL AND SMOOTHED TO TRANSITION INTO ADJACENT BOTTOM.
- 4. HABITAT SURVEY WAS CONDUCTED BY TRITON ON XXXXX.



LEGEND

- — — USACE CHANNEL
- — — TEMPORARY ACCESS CHANNEL

PERMIT

SITE PLAN  
ACCESS PLAN



APPLICANT: CALHOUN COUNTY

NOVEMBER 19, 2024 SHEET 3 OF 7

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SWAN POINT  
SHORELINE RESTORATION PROJECT  
SEADRIFT, TEXAS

ACCESS PLAN



NOTES

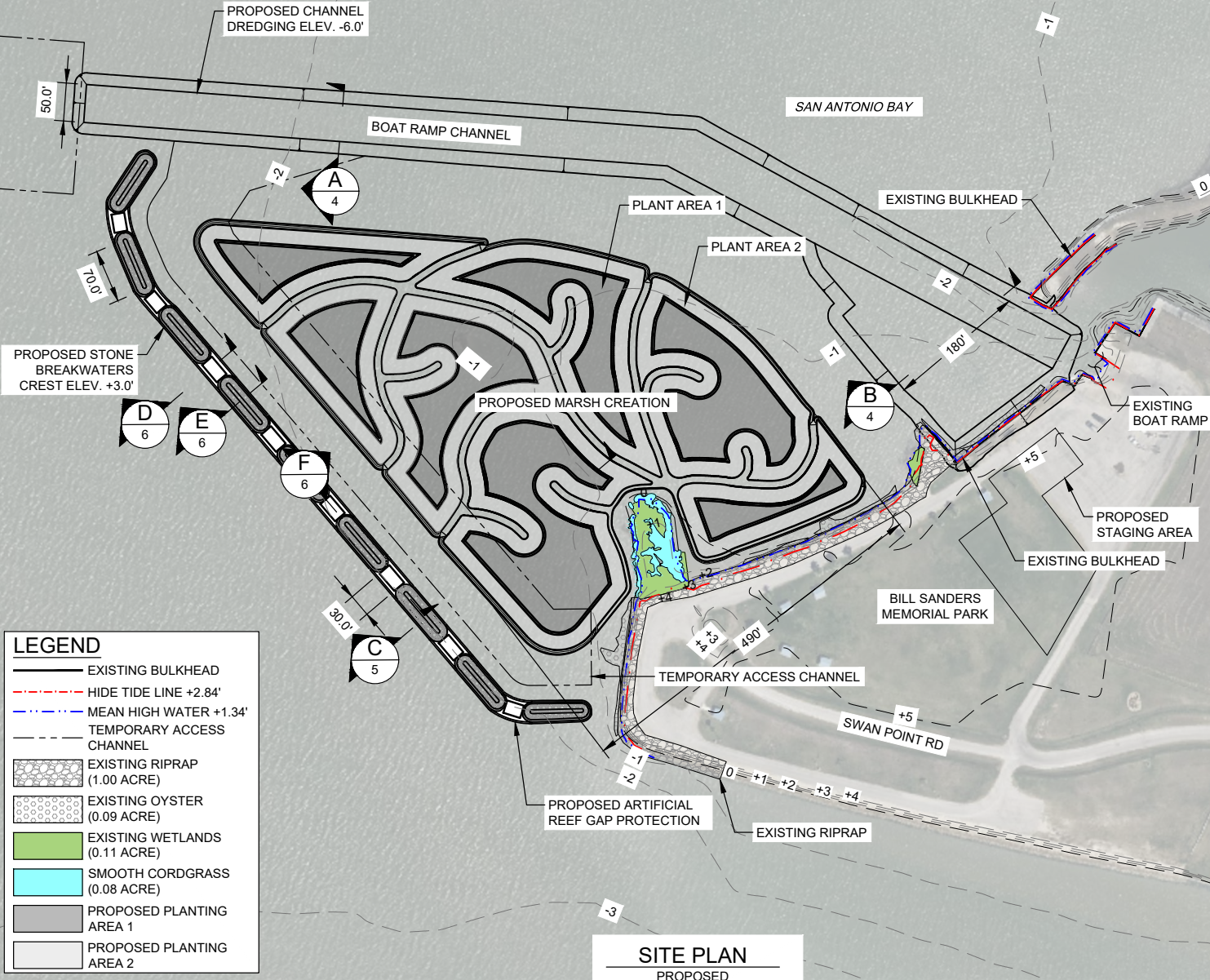
- COORDINATES ARE IN NAD83 TEXAS STATE PLANE SOUTH CENTRAL ZONE, US FOOT.
- ALL ELEVATIONS ARE IN FEET AND REFERENCED TO NAVD88 UNLESS OTHERWISE NOTED.
- IMPACTS WATERWARD OF THE HTL WILL BE WITHIN UNVEGETATED BAY BOTTOM. NO IMPACTS TO EXISTING WETLANDS, OYSTERS, OR SMOOTH CORDGRASS. NO SEAGRASSES EXIST IN THE PROJECT AREA.
- HABITAT AREAS ARE BASED ON SURVEY CONDUCTED BY TRITON ENVIRONMENTAL, INC. ON FEBRUARY 16, 17 & 20, 2023.
- EXCAVATION OF THE BOAT RAMP CHANNEL MAY BE COMPLETED USING HYDRAULIC OR MECHANICAL METHODS. IF HYDRAULIC METHODS ARE USED, A TEMPORARY CONTAINMENT LEVEE SHALL BE CONSTRUCTED PRIOR TO ANY PLACEMENT ACTIVITIES. SEE TYPICAL SECTION ON SHEET 7.
- PLANT AREA 1 WILL INCLUDE UPLAND MARSH VEGETATION AND PLANT AREA 2 WILL INCLUDE MARSH GRASSES SUCH AS SMOOTH CORDGRASS.

PROJECT REVIEW AREAS

LOCATION	AREA (ACRES)
PROPOSED PERMANENT BOAT CHANNEL DREDGING	3.6
PROPOSED MARSH CREATION	7
PROPOSED STONE BREAKWATER	0.6
PROPOSED ARTIFICIAL REEF BREAKWATERS	0.2
PROPOSED TEMPORARY ACCESS CHANNELS	19.6

MAXIMUM PLACED MATERIAL  
(WATERWARD OF HTL)

MATERIAL	LENGTH (FT)	FOOTPRINT AREA (ACRES)	VOLUME (CY)
PROPOSED MARSH CREATION	750	7	27,000
PROPOSED STONE BREAKWATER AND PROPOSED ARTIFICIAL REEF GAP PROTECTION	1100	0.8	3,000



SITE PLAN  
PROPOSED

PERMIT

APPLICANT: CALHOUN COUNTY

NOVEMBER 19, 2024 SHEET 4 OF 7

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SWAN POINT  
SHORELINE RESTORATION PROJECT  
SEADRIFT, TEXAS

PROPOSED SITE PLAN

THESE PLANS ARE INTENDED FOR PERMITTING PURPOSES ONLY  
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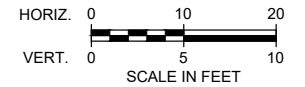
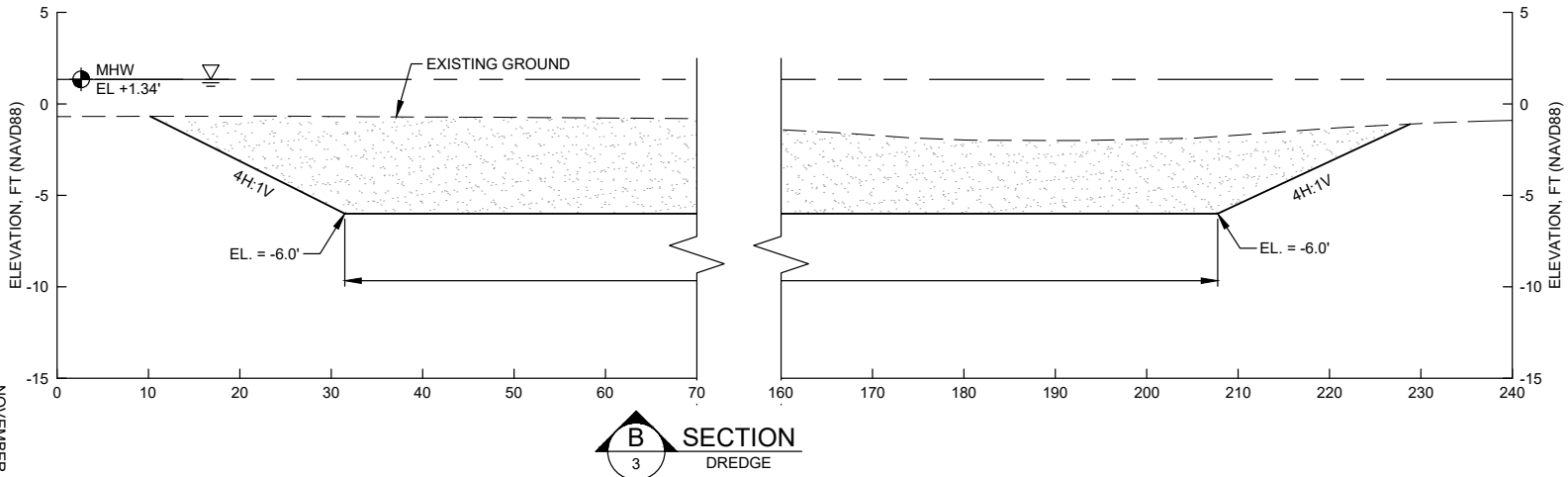
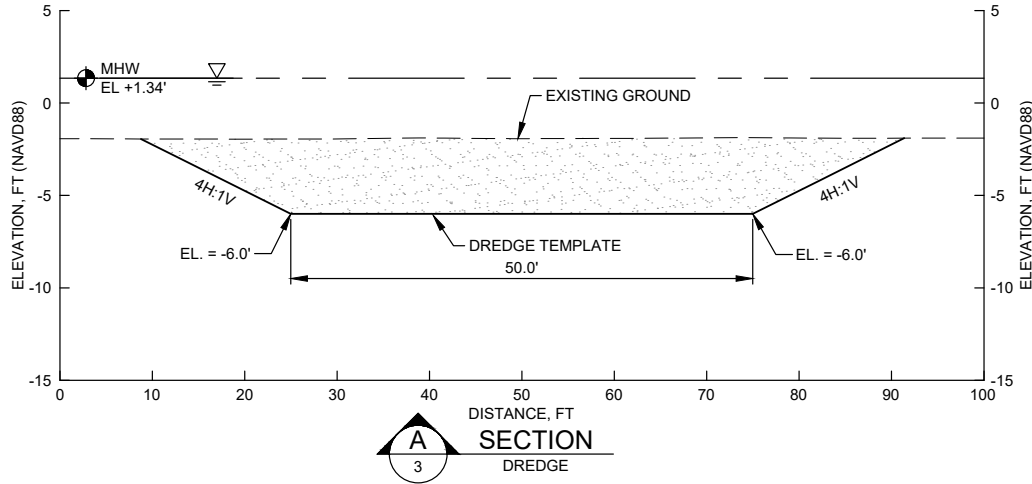
VERTICAL DATUM: TSP NAD83-FT  
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NOVEMBER 19, 2024

SHEET 5 OF 7

SWAN POINT  
SHORELINE RESTORATION PROJECT  
SEADRIFT, TEXAS

TYPICAL CROSS SECTIONS



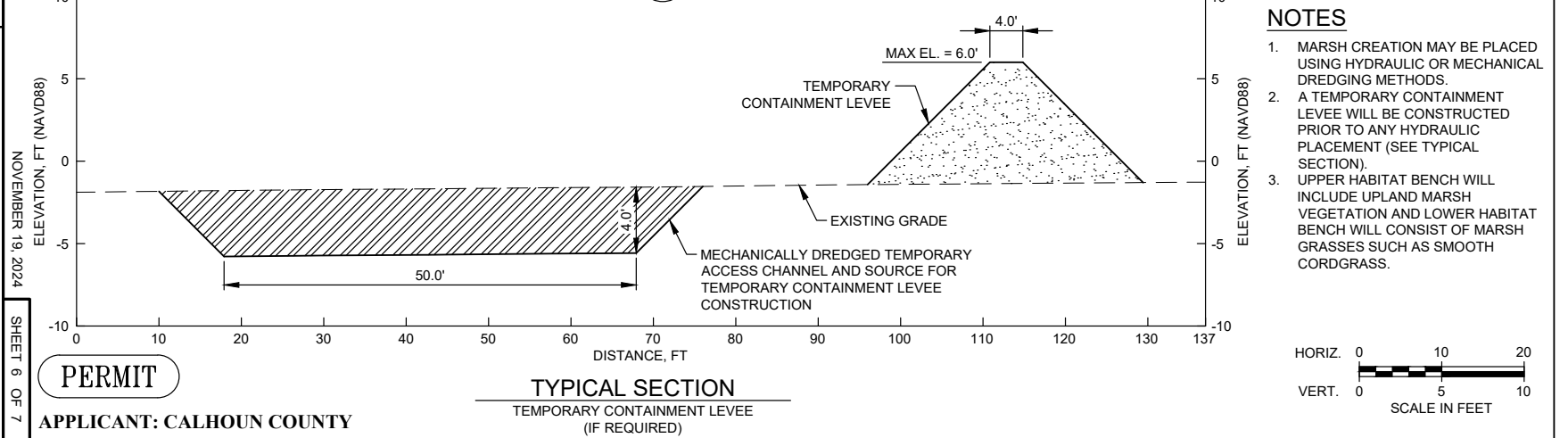
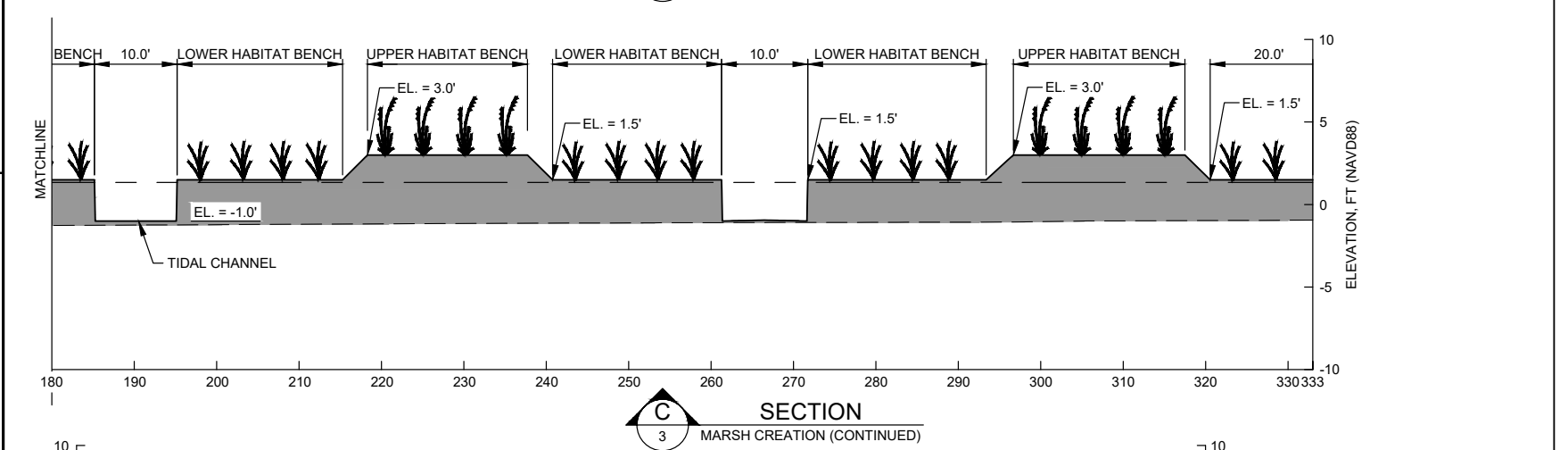
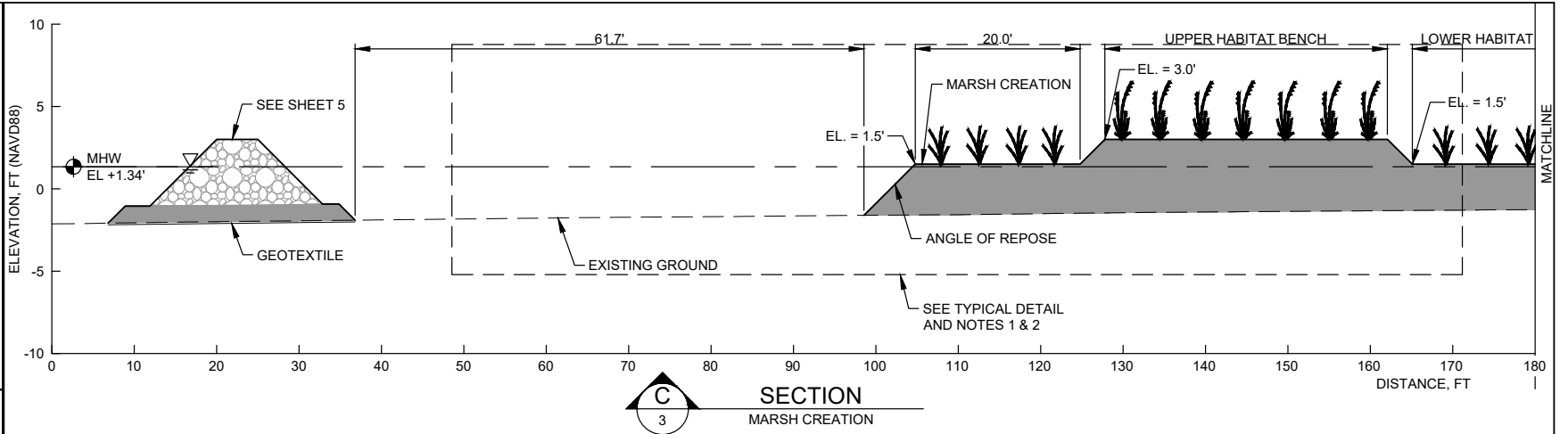
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SWAN POINT  
SHORELINE RESTORATION PROJECT  
SEADRIFT, TEXAS  
TYPICAL CROSS SECTIONS



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<b>PERMIT</b> <b>APPLICANT: CALHOUN COUNTY</b>	<b>M M</b> <b>MOTT MACDONALD</b> 110 Wild Bash Road Suite 100 Austin, Texas 78746 Texas Registered Firm No. 7429 T + 1 (512) 342 9516 www.motmac.com
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<b>TYPICAL CROSS SECTIONS</b>	

