

TEXAS POINT BEACH NOURISHMENT PROJECT

DIRECTIONS:

THE PROJECT SITE CAN BE ACCESSED FROM TEXAS STATE HIGHWAY 87-S VIA SEA RIM ESTATES ROAD. ONCE ON SEA RIM ESTATES ROAD, DRIVE SOUTH APPROXIMATELY 0.75 MILES TO REACH THE GULF OF MEXICO SHORELINE. PROCEED APPROXIMATELY 1.4 MILES EAST ALONG THE SHORELINE TO REACH THE WESTERN MOST PROJECT SITE BOUNDARY.

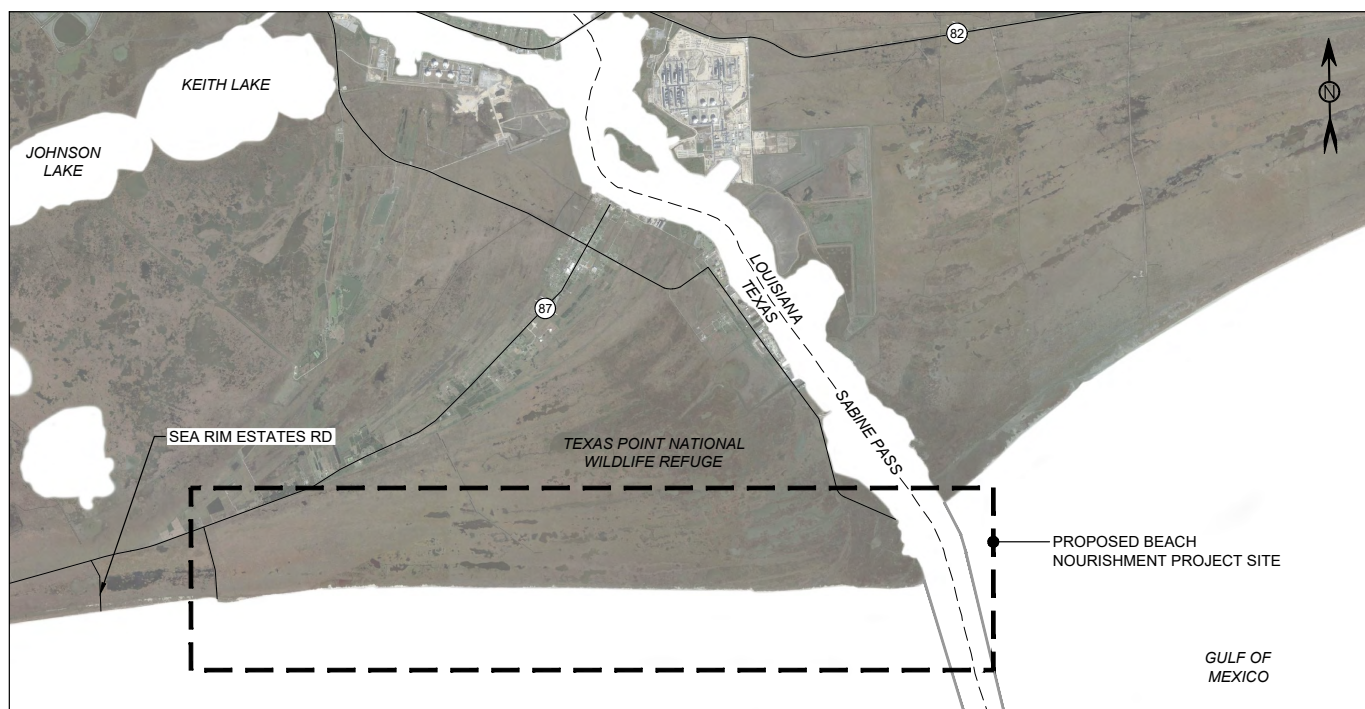
NATURE OF ACTIVITY:

THE PURPOSE OF THE PROJECT IS TO NOURISH AN ERODING SHORELINE AT THE USFWS TEXAS POINT NATIONAL WILDLIFE REFUGE WITH BEACH QUALITY SAND OBTAINED FROM AN OFFSHORE BORROW AREA LOCATED WITHIN THE SABINE BANK.

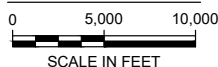


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LOCATION MAP



PERMIT

APPLICANT: U.S. FISH AND WILDLIFE SERVICE

MAY 15, 2024

SHEET 1 OF 16



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Suite 100
Austin, Texas 78746
Texas Registered Firm No. 7429
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SITE ADDRESS:
29.680662°N
93.879775°W

VERIFY SCALE

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

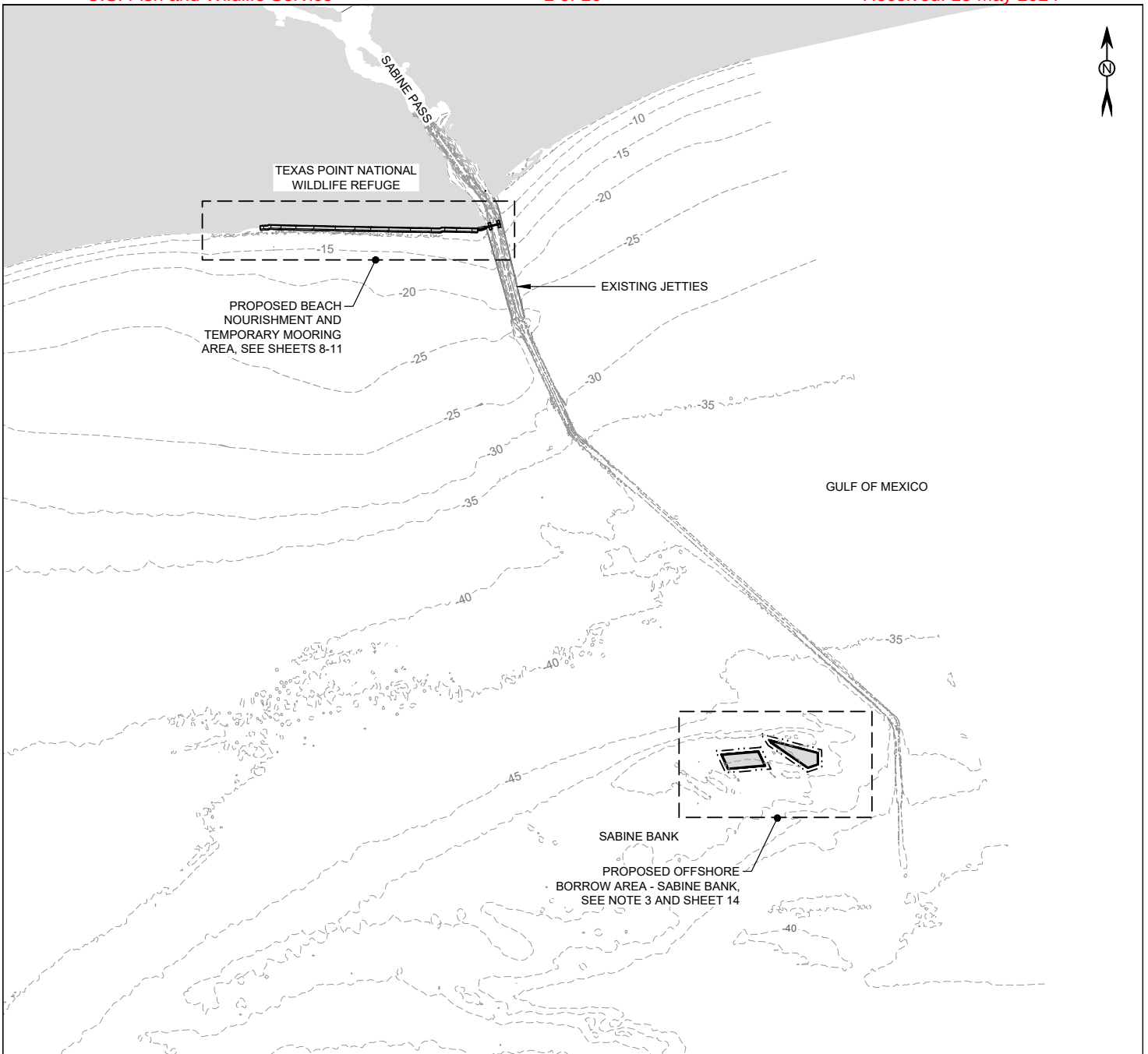


CLIENT: TEXAS GENERAL LAND
OFFICE
IN: JEFFERSON COUNTY
ADJACENT: GULF OF MEXICO
COUNTY: JEFFERSON
STATE: TEXAS
VERTICAL DATUM: NAVD88
HORIZ. DATUM: TSPSC NAD83-FT

TEXAS POINT
BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

VICINITY - LOCATION MAP

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



PROJECT REVIEW AREAS

LOCATION	AREA (ACRES)
PROPOSED OFFSHORE BORROW AREAS	932
PROPOSED TEMPORARY MOORING AREA	16
PROPOSED BEACH NOURISHMENT PROJECT SITE	473

TIDAL WATER LEVELS (NAVD88)

HIGH TIDE LINE (HTL)	+4.00'
MEAN HIGH WATER (MHW)	+0.69'

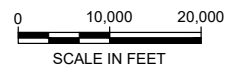
LEGEND

---	CONTOURS
---	TEXAS STATE COASTAL ZONE BOUNDARY

NOTES:

- COORDINATES ARE GIVEN IN NAD 83 TEXAS STATE PLANE SOUTH CENTRAL, US FOOT.
- ALL ELEVATIONS ARE IN FEET AND REFERENCED TO NAD 83 UNLESS OTHERWISE NOTED.
- CONTRACTOR WILL TRANSIT FROM THE OFFSHORE BORROW AREA TO THE SABINE PASS CHANNEL AND THEN TRAVEL ALONG THE CHANNEL TO THE TEMPORARY MOORING AREA.

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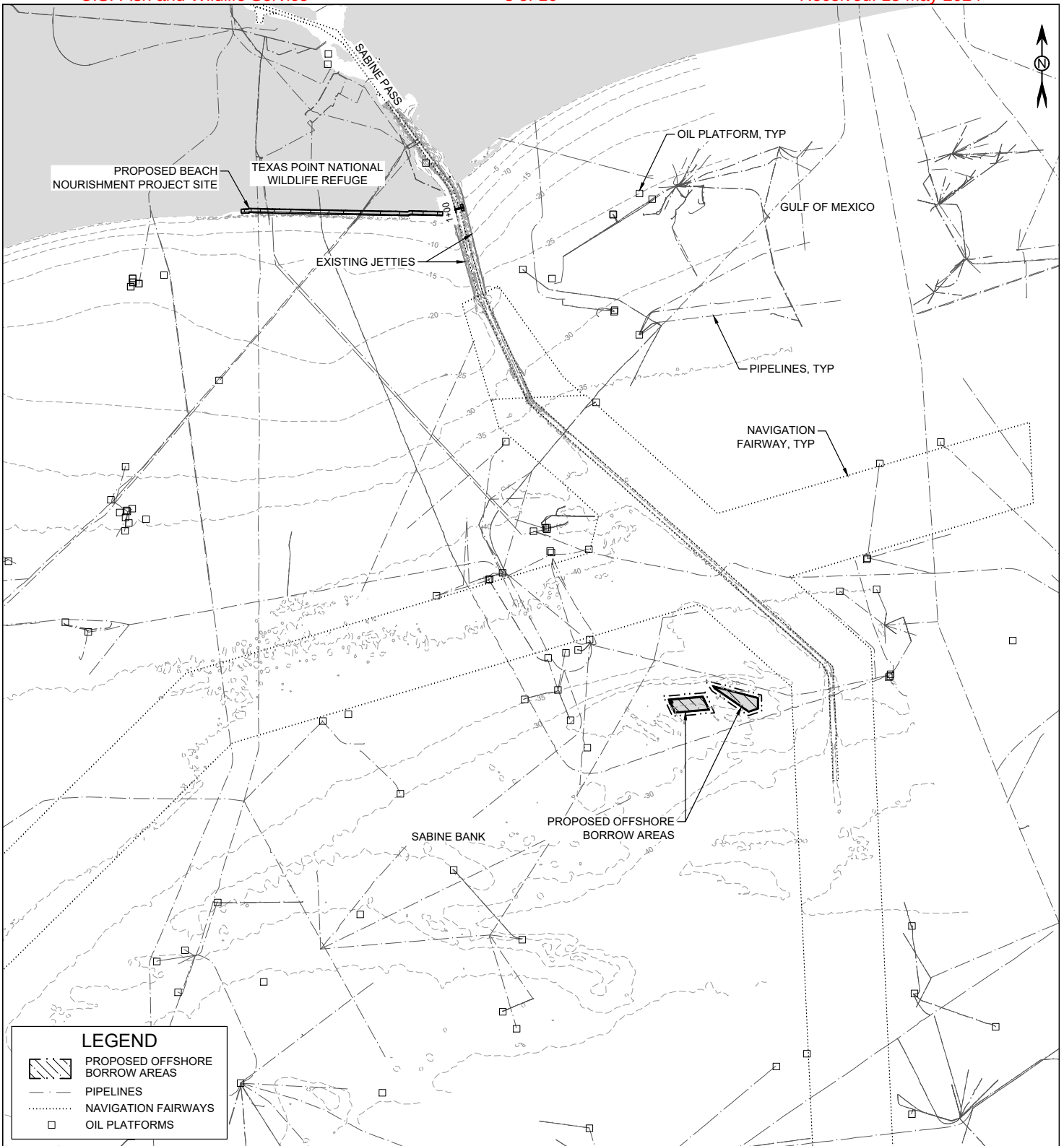
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OVERALL PROJECT LOCATION



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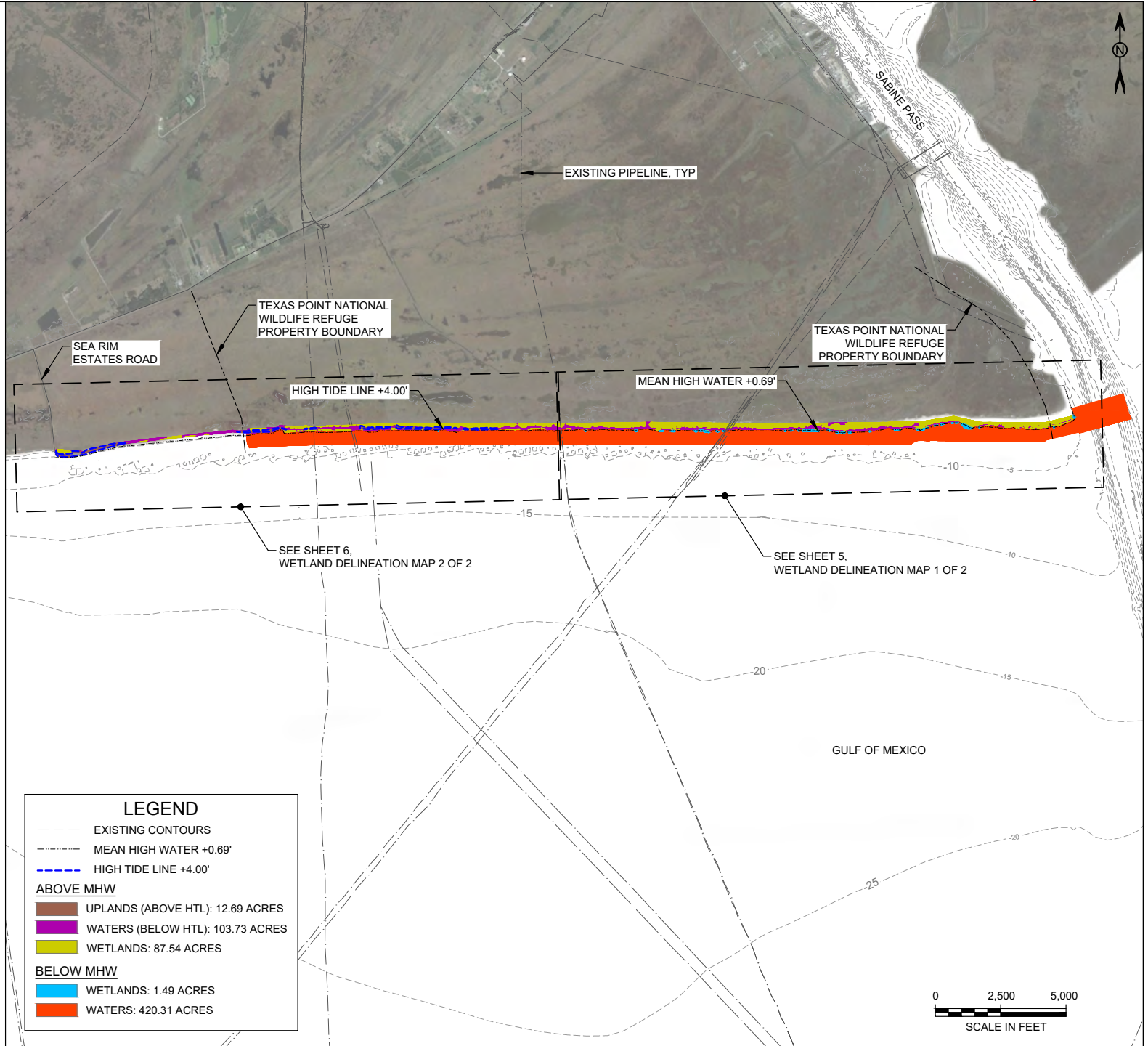
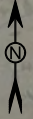
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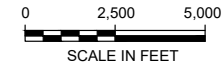
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JEFFERSON COUNTY, TEXAS

OCS HAZARDS AND SHIPWRECKS

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LEGEND	
	EXISTING CONTOURS
	MEAN HIGH WATER +0.69'
	HIGH TIDE LINE +4.00'
ABOVE MHW	
	UPLANDS (ABOVE HTL): 12.69 ACRES
	WATERS (BELOW HTL): 103.73 ACRES
	WETLANDS: 87.54 ACRES
BELOW MHW	
	WETLANDS: 1.49 ACRES
	WATERS: 420.31 ACRES



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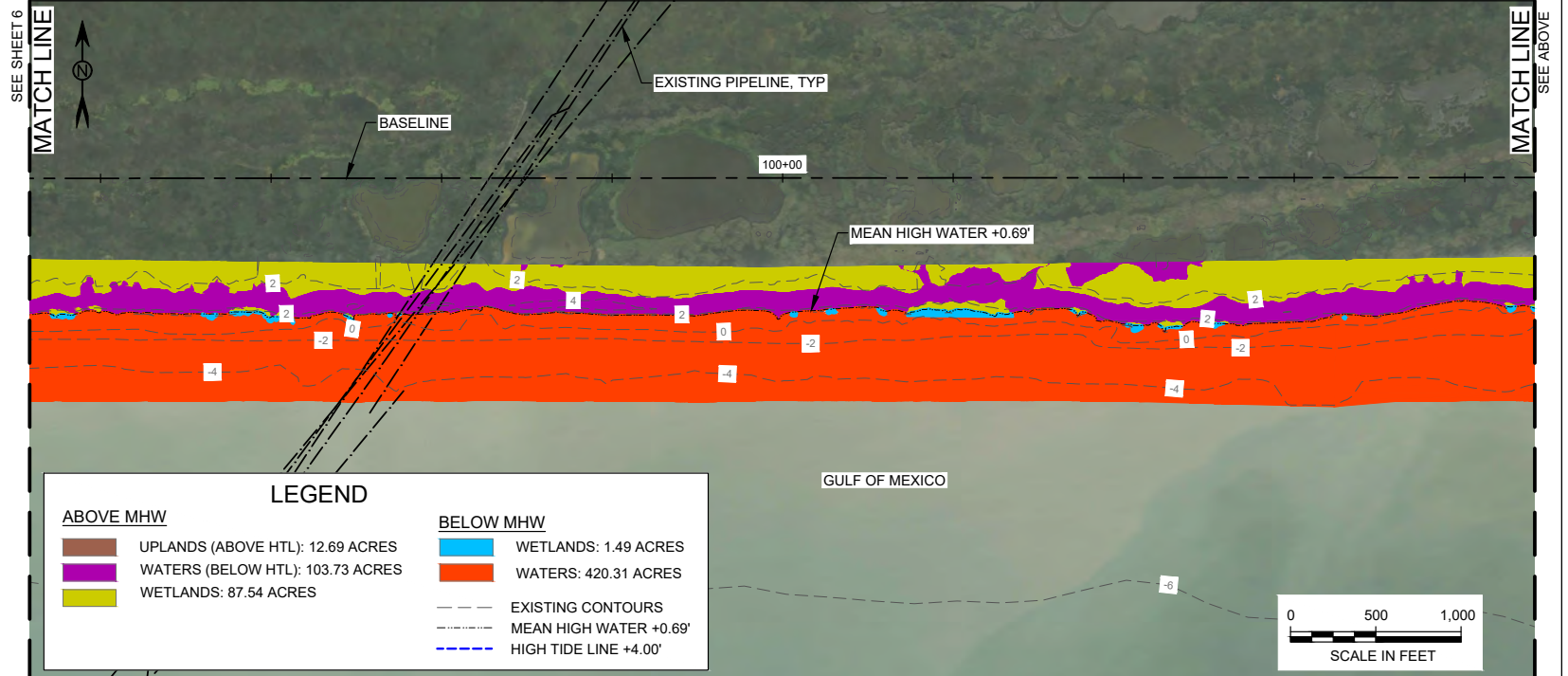
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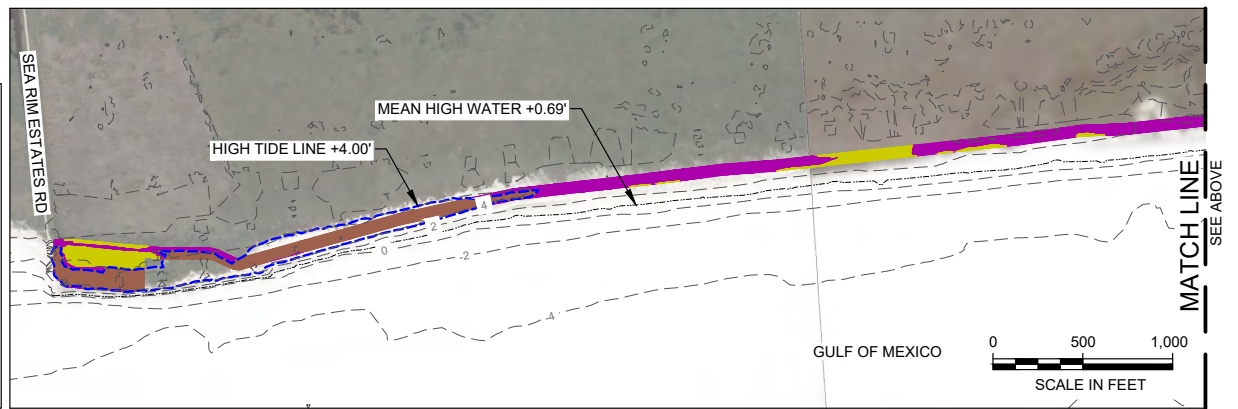
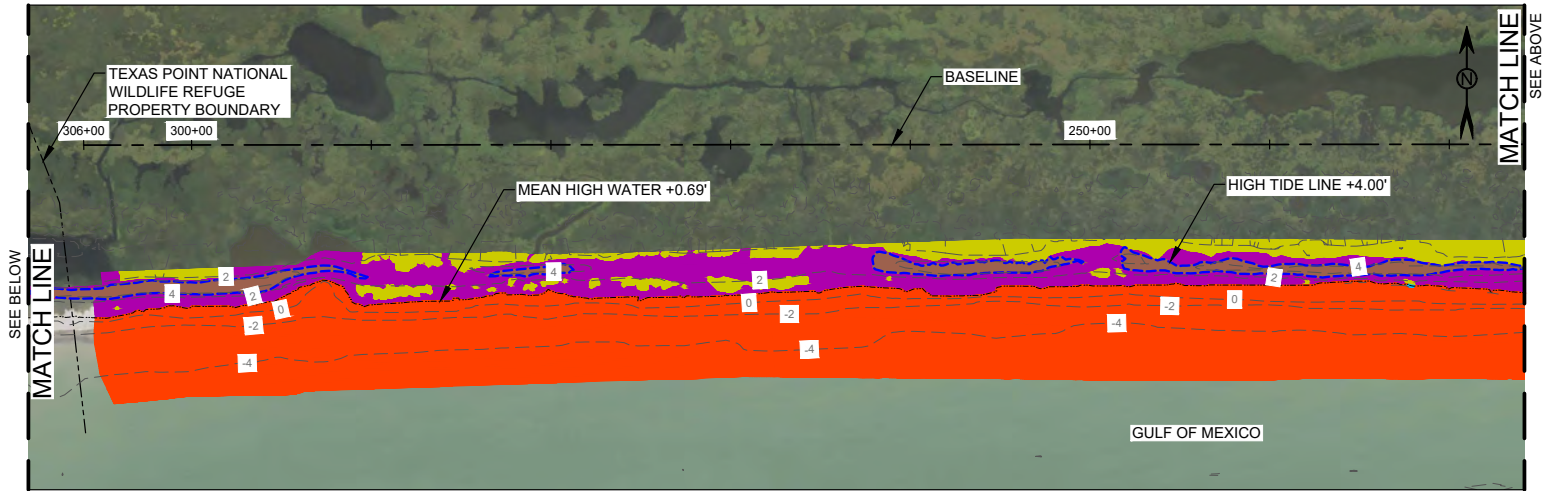
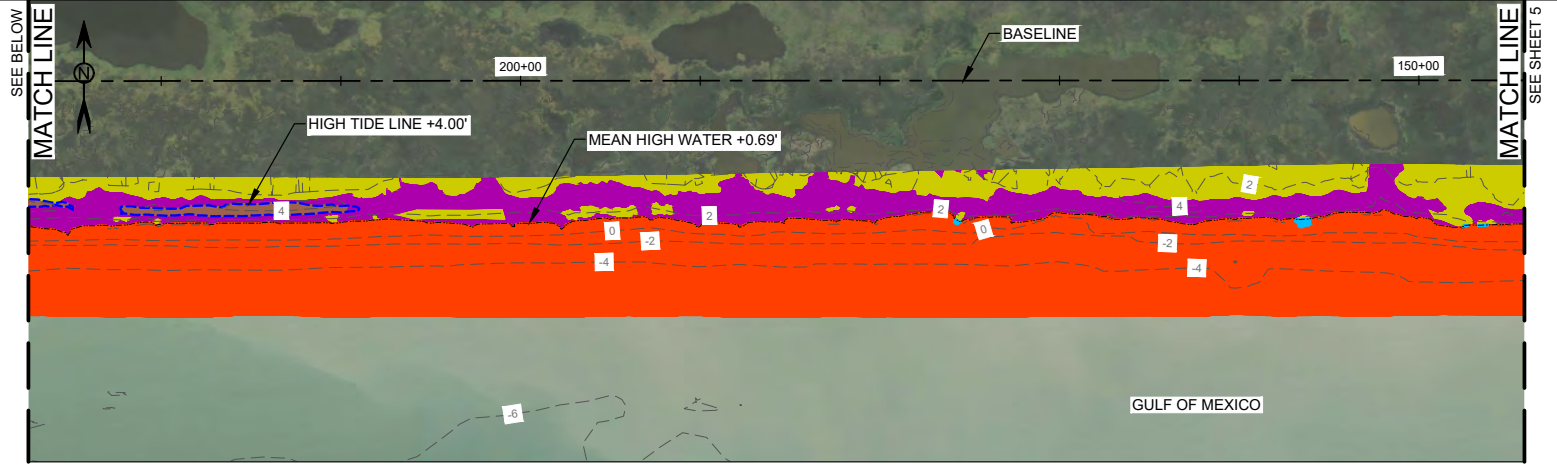
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TEXAS POINT
BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

OVERALL WETLAND
DELINEATION MAP





LEGEND	
---	EXISTING CONTOURS
---	MEAN HIGH WATER +0.69'
---	HIGH TIDE LINE +4.00'
ABOVE MHW	
Yellow	UPLANDS (ABOVE HTL): 12.69 ACRES
Purple	WATERS (BELOW HTL): 103.73 ACRES
Yellow	WETLANDS: 87.54 ACRES
BELOW MHW	
Orange	WETLANDS: 1.49 ACRES
Orange	WATERS: 420.31 ACRES

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SHEET 6 OF 16

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COUNTY: JEFFERSON

STATE: TEXAS

VERTICAL DATUM: NAVD83

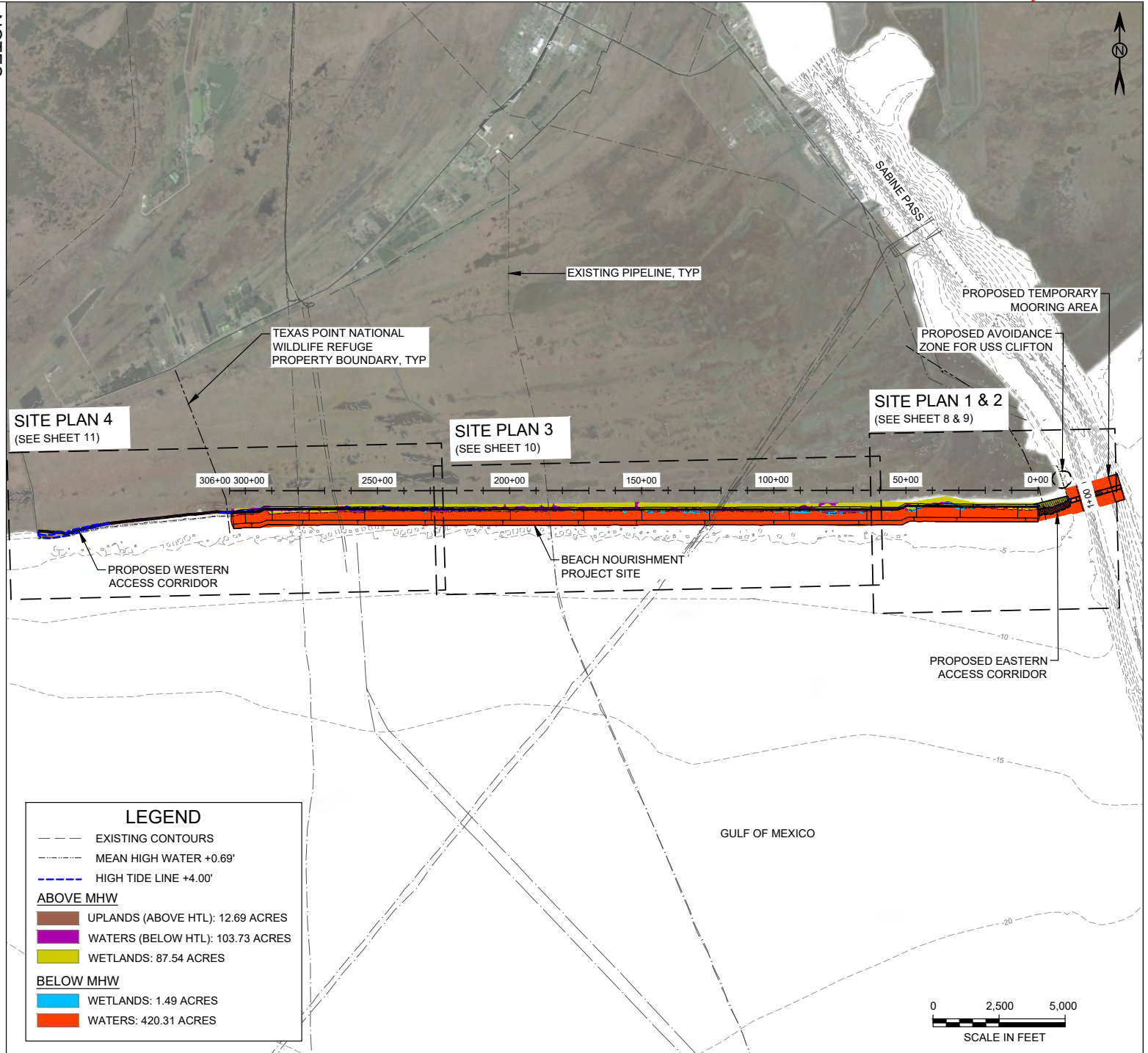
HORIZ. DATUM: TSPSC NAD83-FT

TEXAS POINT

BEACH NOURISHMENT PROJECT

JEFFERSON COUNTY, TEXAS

WETLAND DELINEATION MAP 2 OF 2



NOTES:
1. ALL COORDINATES ARE GIVEN IN SOUTH CENTRAL TEXAS STATE PLANE.

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BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

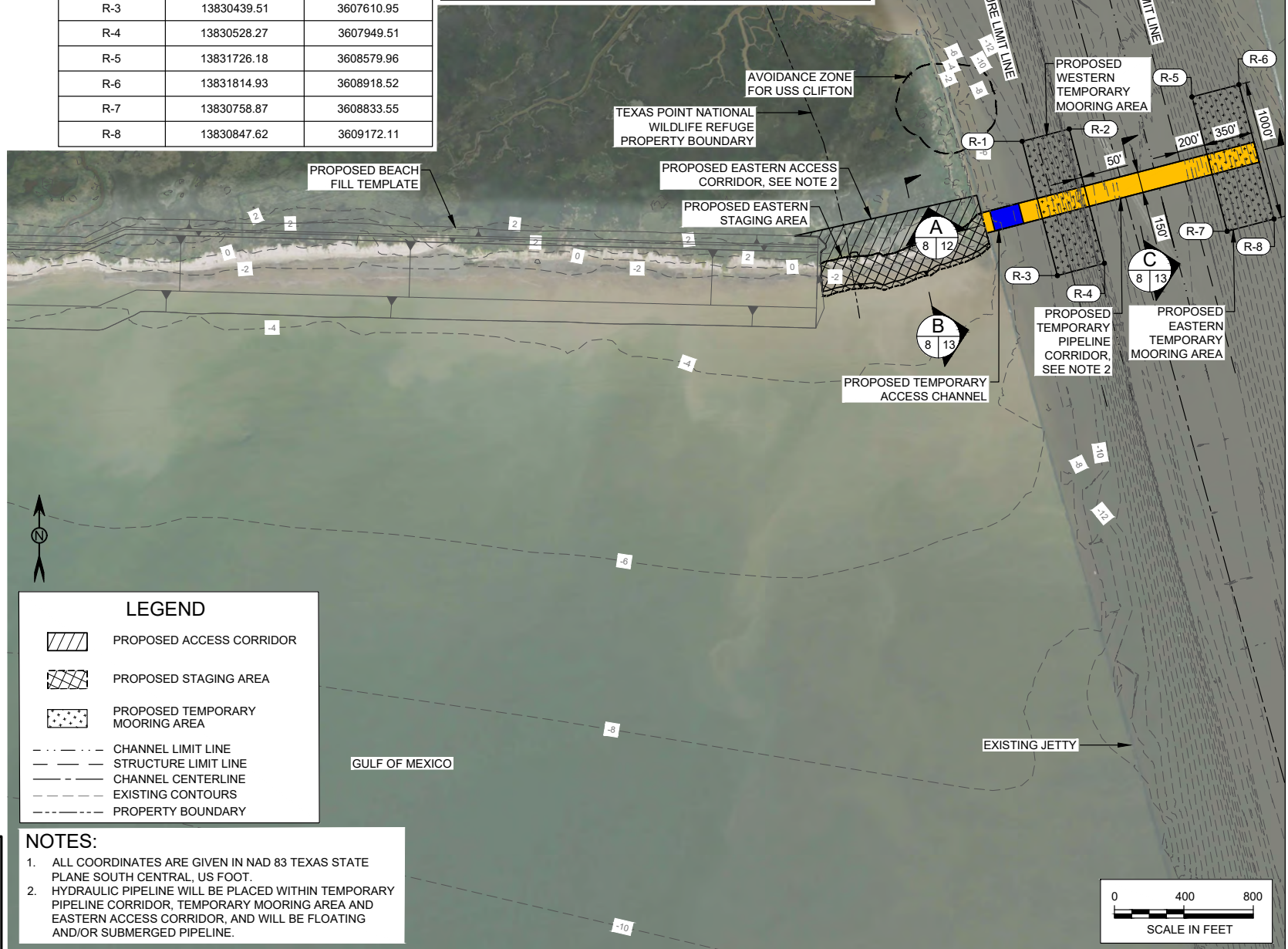
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0 1"

OVERALL SITE PLAN

PROPOSED MAXIMUM EXCAVATED AREA WITHIN SECTION 10 WATERS OF THE US		
AREA	AREA [ACRES]	VOLUME [CY]
PROPOSED TEMPORARY PIPELINE CORRIDOR (SABINE PASS) 	6.25	10,000
PROPOSED TEMPORARY ACCESS CHANNEL (SABINE PASS) 	0.74	5,000



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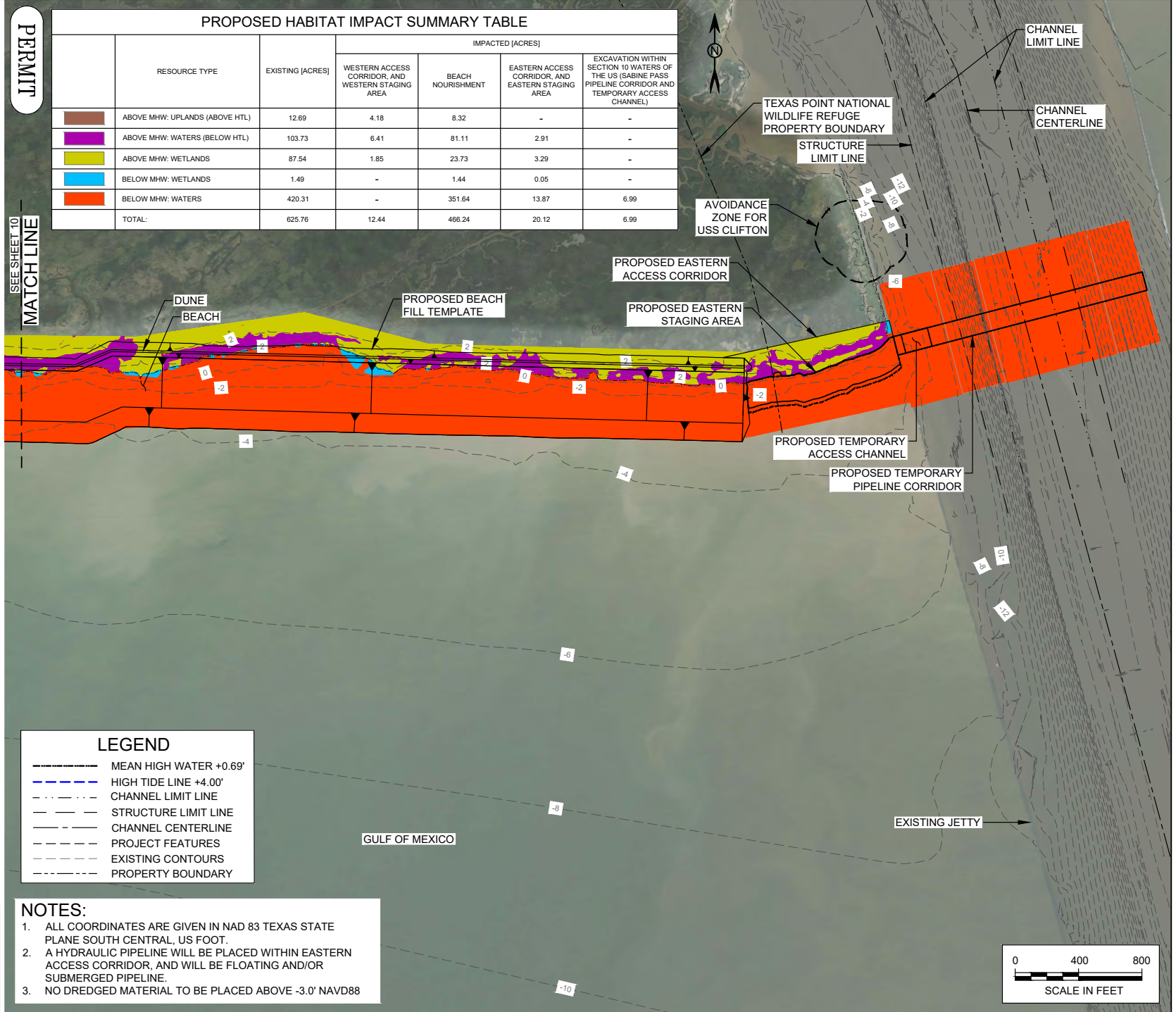
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TEXAS POINT
BEACH NOURISHMENT PROJECT
FEDERAL HIGHWAY DISTRICT, TEXAS

SITE PLAN 1 OF 4

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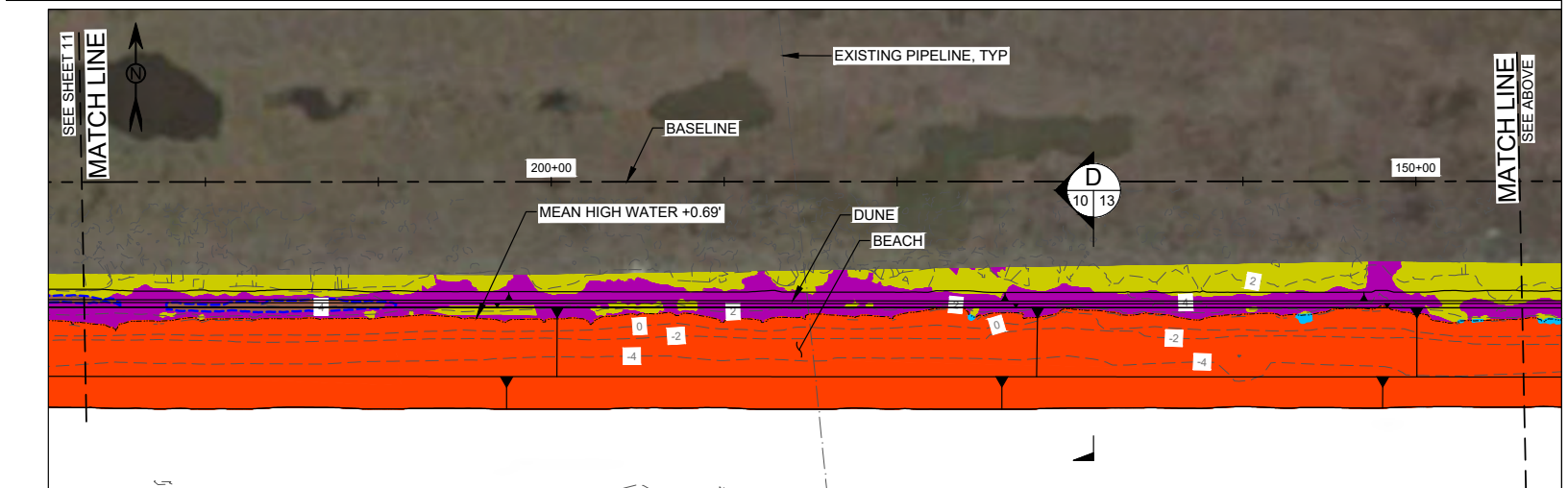
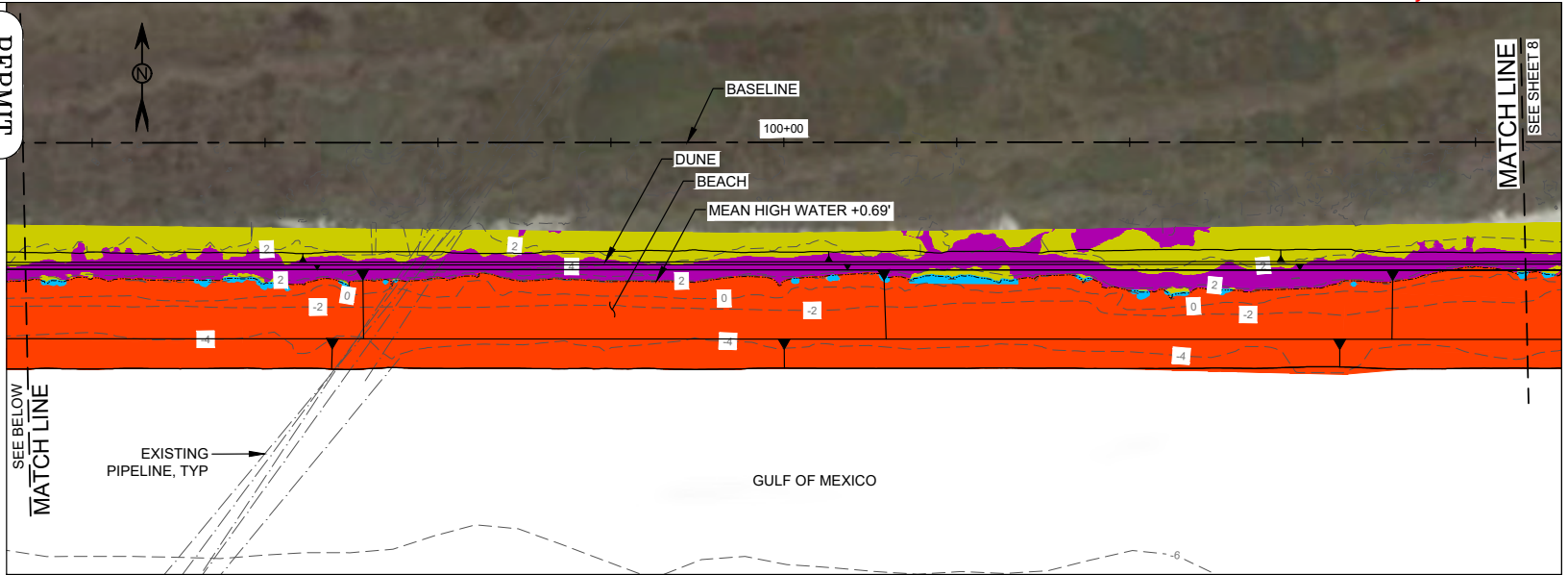
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TEXAS POINT
BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

SITE PLAN 2 OF 4



PROPOSED HABITAT IMPACT SUMMARY TABLE

RESOURCE TYPE	EXISTING [ACRES]	IMPACTED [ACRES]			
		WESTERN ACCESS CORRIDOR, AND WESTERN STAGING AREA	BEACH NOURISHMENT	EASTERN ACCESS CORRIDOR, AND EASTERN STAGING AREA	EXCAVATION WITHIN SECTION 10 WATERS OF THE US (SABINE PASS PIPELINE CORRIDOR AND TEMPORARY ACCESS CHANNEL)
ABOVE MHW: UPLANDS (ABOVE HTL)	12.89	4.18	8.32	-	-
ABOVE MHW: WATERS (BELOW HTL)	103.73	6.41	81.11	2.91	-
ABOVE MHW: WETLANDS	87.54	1.85	23.73	3.29	-
BELOW MHW: WETLANDS	1.49	-	1.44	0.05	-
BELOW MHW: WATERS	420.31	-	351.64	13.87	6.99
TOTAL:	625.76	12.44	466.24	20.12	6.99

LEGEND

- EXISTING CONTOURS
- MEAN HIGH WATER +0.69'
- HIGH TIDE LINE +4.00'
- PROJECT FEATURES
- EXISTING PIPELINES



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COUNTY: JEFFERSON

STATE: TEXAS

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HORIZ. DATUM: TSPSC MAD83-FT

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SHEET 10 OF 16

TEXAS POINT

BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

SITE PLAN 3 OF 4

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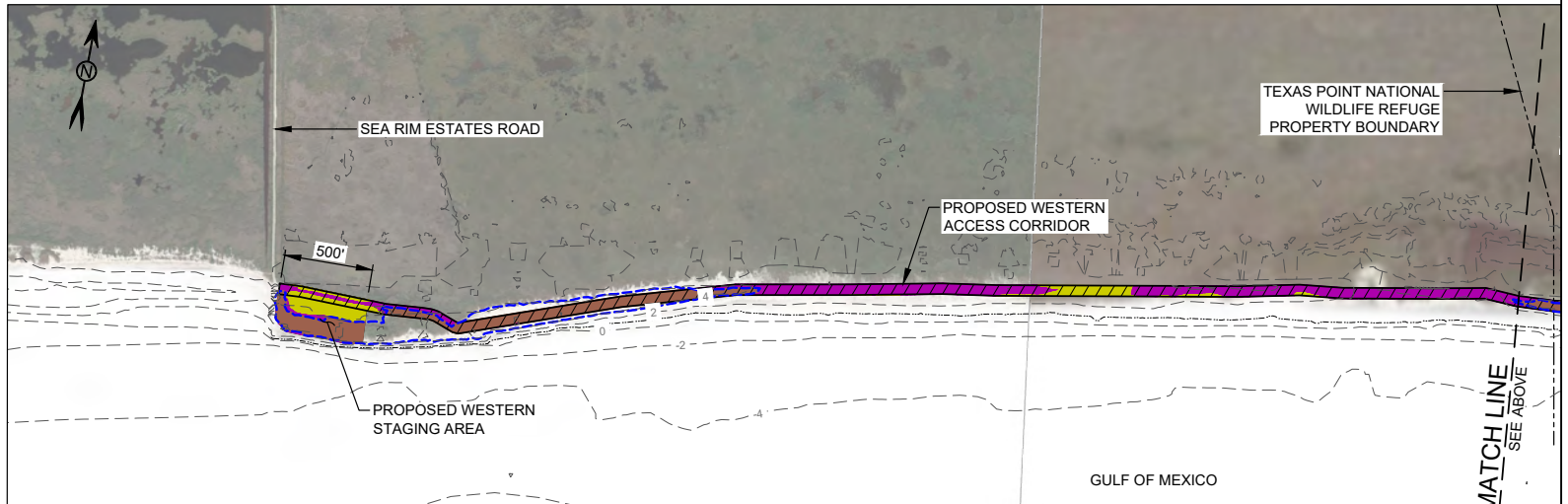
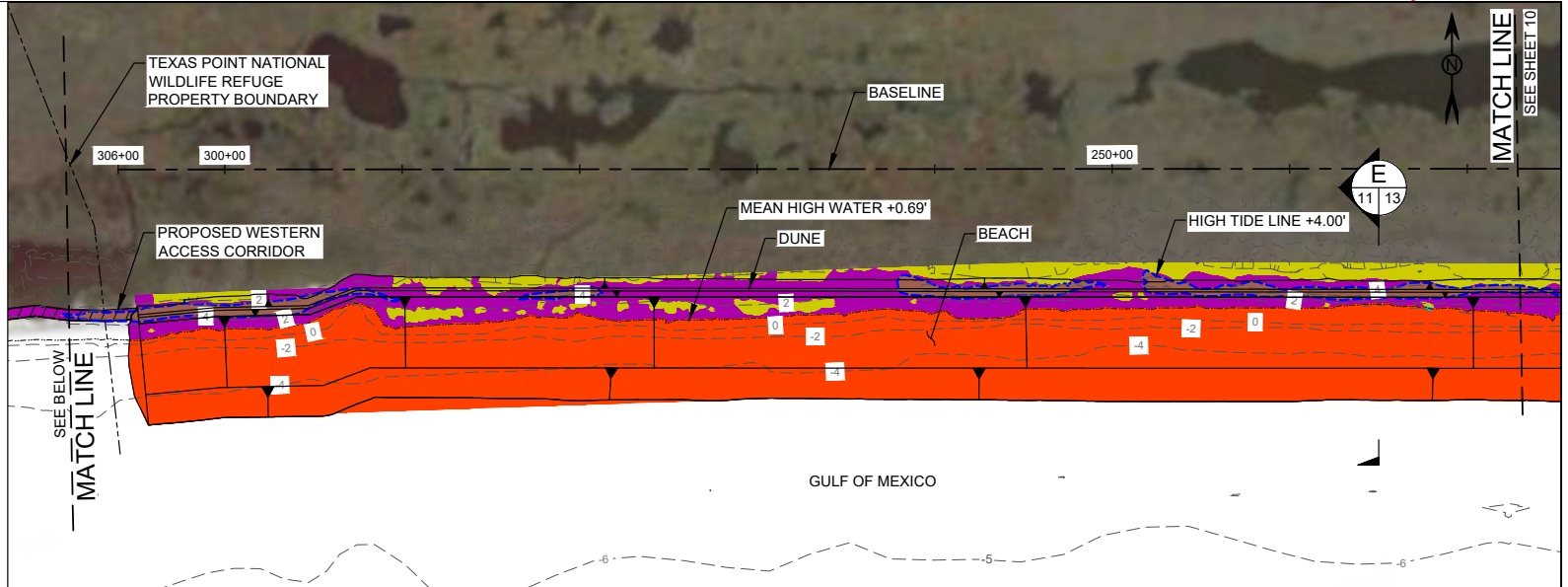
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BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

SITE PLAN 4 OF 4

MAY 15, 2024

SHEET 11 OF 16



PROPOSED HABITAT IMPACT SUMMARY TABLE

RESOURCE TYPE	EXISTING (ACRES)	IMPACTED (ACRES)			
		WESTERN ACCESS CORRIDOR, AND WESTERN STAGING AREA	BEACH NOURISHMENT	EASTERN ACCESS CORRIDOR, AND EASTERN STAGING AREA	EXCAVATION WITHIN SECTION 10 WATERS OF THE US (SABINE PASS PIPELINE CORRIDOR AND TEMPORARY ACCESS CHANNEL)
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BELOW MHW: WATERS	420.31	-	351.64	13.87	6.99
TOTAL:	625.76	12.44	466.24	20.12	6.99

LEGEND

- PROPOSED ACCESS CORRIDOR
- PROPOSED STAGING AREA
- EXISTING CONTOURS
- MEAN HIGH WATER +0.69'
- HIGH TIDE LINE +4.00'
- PROPERTY BOUNDARY
- PROJECT FEATURES

0 500 1,000
SCALE IN FEET

PERMIT

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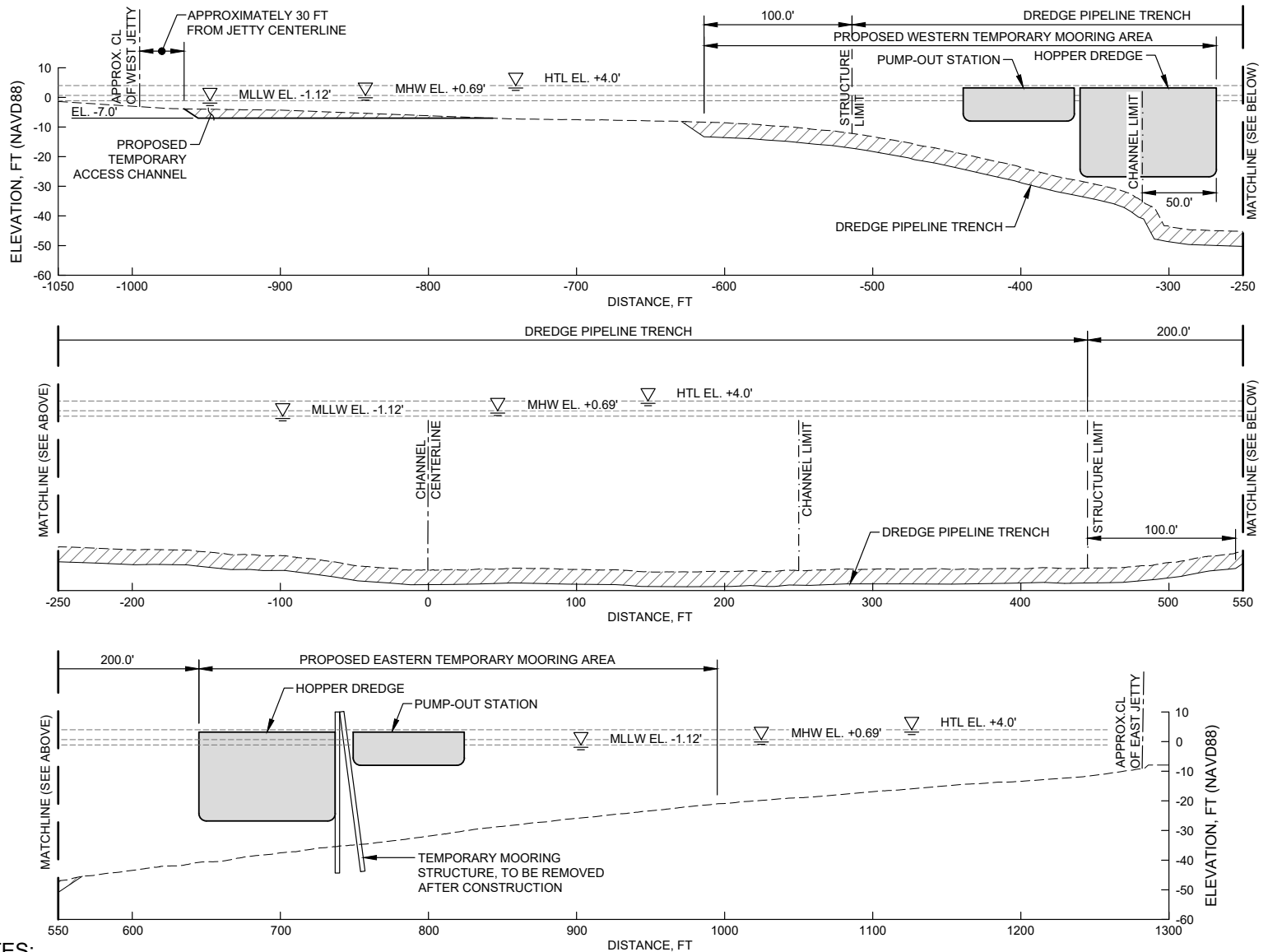
TEXAS POINT
BEACH NOURISHMENT PROJECT

JEFFERSON COUNTY, TEXAS

SECTIONS 1 OF 2

MAY 15, 2024

SHEET 12 OF 16



NOTES:

1. HYDRAULIC PIPELINE WILL BE PLACED WITHIN THE TEMPORARY PIPELINE ACCESS CORRIDOR, AND WILL BE FLOATING OR SUBMERGED AND WILL REMAIN 2 FT BELOW AUTHORIZED DEPTH IN CHANNEL.
2. DIMENSIONS OF HOPPER DREDGE AND PUMP-OUT STATION ARE APPROXIMATE AND BASED ON INDUSTRY TYPICAL SIZES.
3. ONLY ONE MOORING/BERTHING STRUCTURE, COMPOSED OF UP TO 6 PILES (EACH DOLPHIN WITHIN THE STRUCTURE COMPOSED OF A SINGLE PILE OR PILE GROUP), MAY BE CONSTRUCTED WITHIN THE TEMPORARY MOORING STRUCTURE AREA FOR EASTERN BERTHING OPTION ONLY.
4. TEMPORARY MOORING STRUCTURE AND BARGE LOCATIONS ARE TO BE LOCATED A MINIMUM OF 200 FT LANDWARD OF THE STRUCTURE LIMIT LINE FOR EASTERN BERTHING OPTION.
5. EXACT MOORING STRUCTURE LOCATION AND DESIGN TO BE DETERMINED AT TIME OF CONSTRUCTION BY CONTRACTOR.
6. TEMPORARY MOORING STRUCTURES TO BE REMOVED IMMEDIATELY AFTER CONSTRUCTION.
7. NO MOORING STRUCTURE (MOORING DOLPHIN SYSTEM) CAN BE CONSTRUCTED FOR WESTERN BERTHING OPTION.
8. ANY MATERIAL DREDGED FROM THE SABINE PASS CHANNEL FOR PIPELINE TRENCHING OR TEMPORARY ACCESS CHANNEL WILL BE BENEFICIALLY PLACED EITHER WITHIN THE PROPOSED EASTERN STAGING AREA OR THE BEACH NOURISHMENT TEMPLATE. THIS MATERIAL WILL BE COVERED WITH BEACH QUALITY MATERIAL DREDGED FROM SABINE BANKS.
9. OPERATIONS OF HOPPER DREDGE WILL BE MANAGED TO PREVENT LIMITATIONS ON PILOTED SHIP TRAFFIC MEETING IN THE JETTY CHANNEL.



SECTION

PROPOSED TEMPORARY MOORING AREA
(EASTERN BERTHING)

HORIZ. 0 50 100

VERT. 0 25 50

SCALE IN FEET

PERMIT

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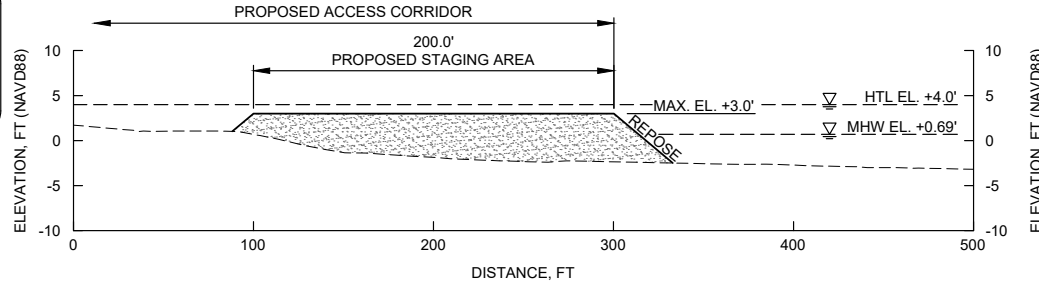
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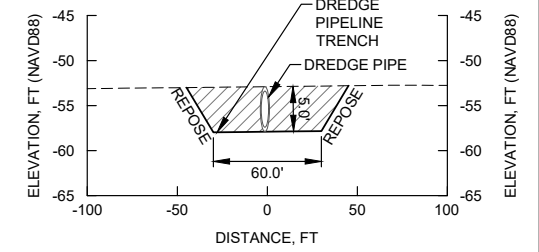
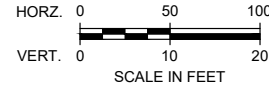
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JEFFERSON COUNTY, TEXAS

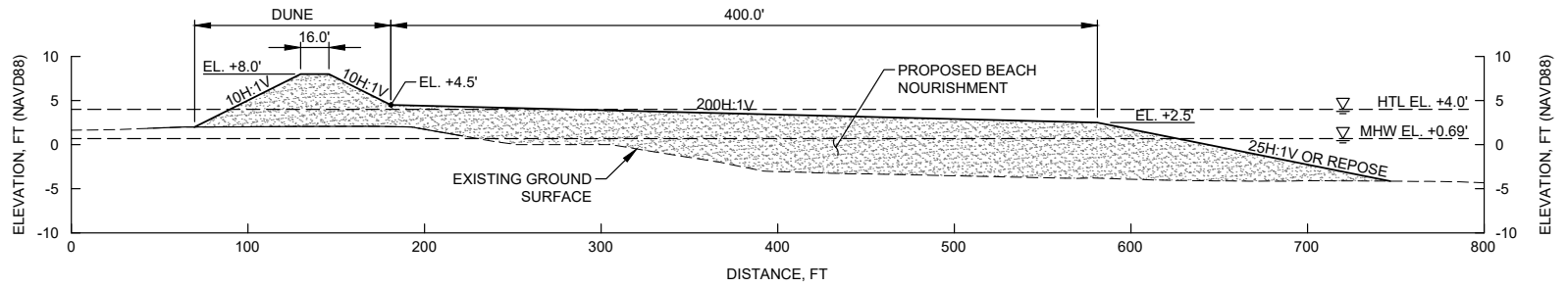
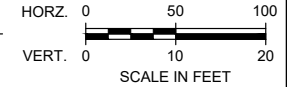
SECTIONS 2 OF 2



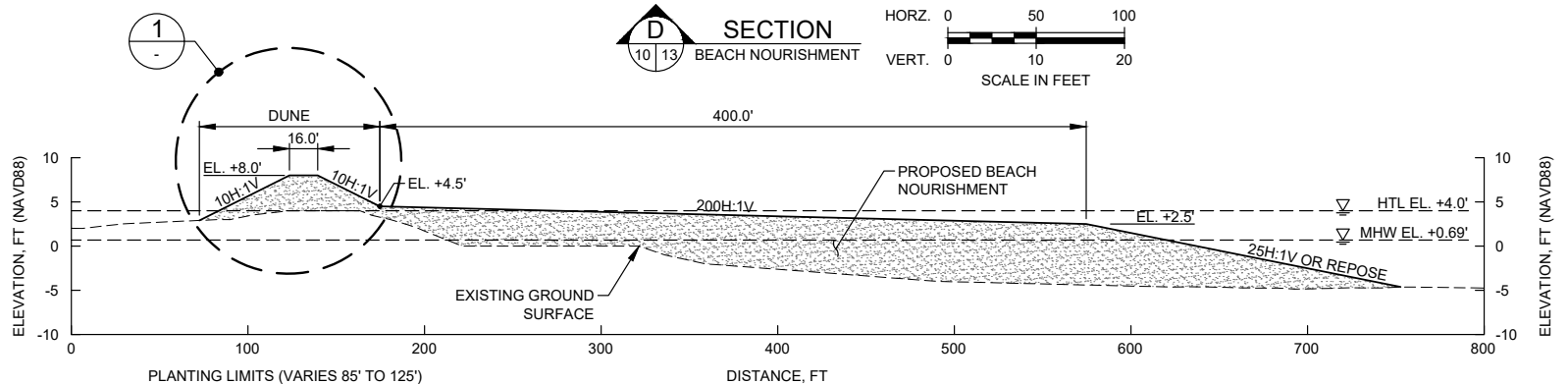
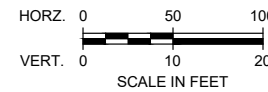
SECTION B
8 13
PROPOSED EASTERN
STAGING AREA



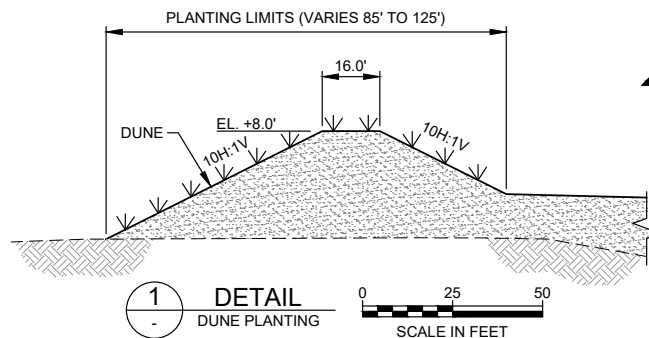
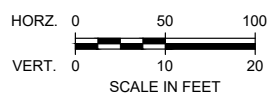
SECTION C
8 13
DREDGING
PIPELINE TRENCH



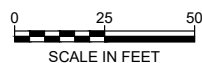
SECTION D
10 13
BEACH NOURISHMENT

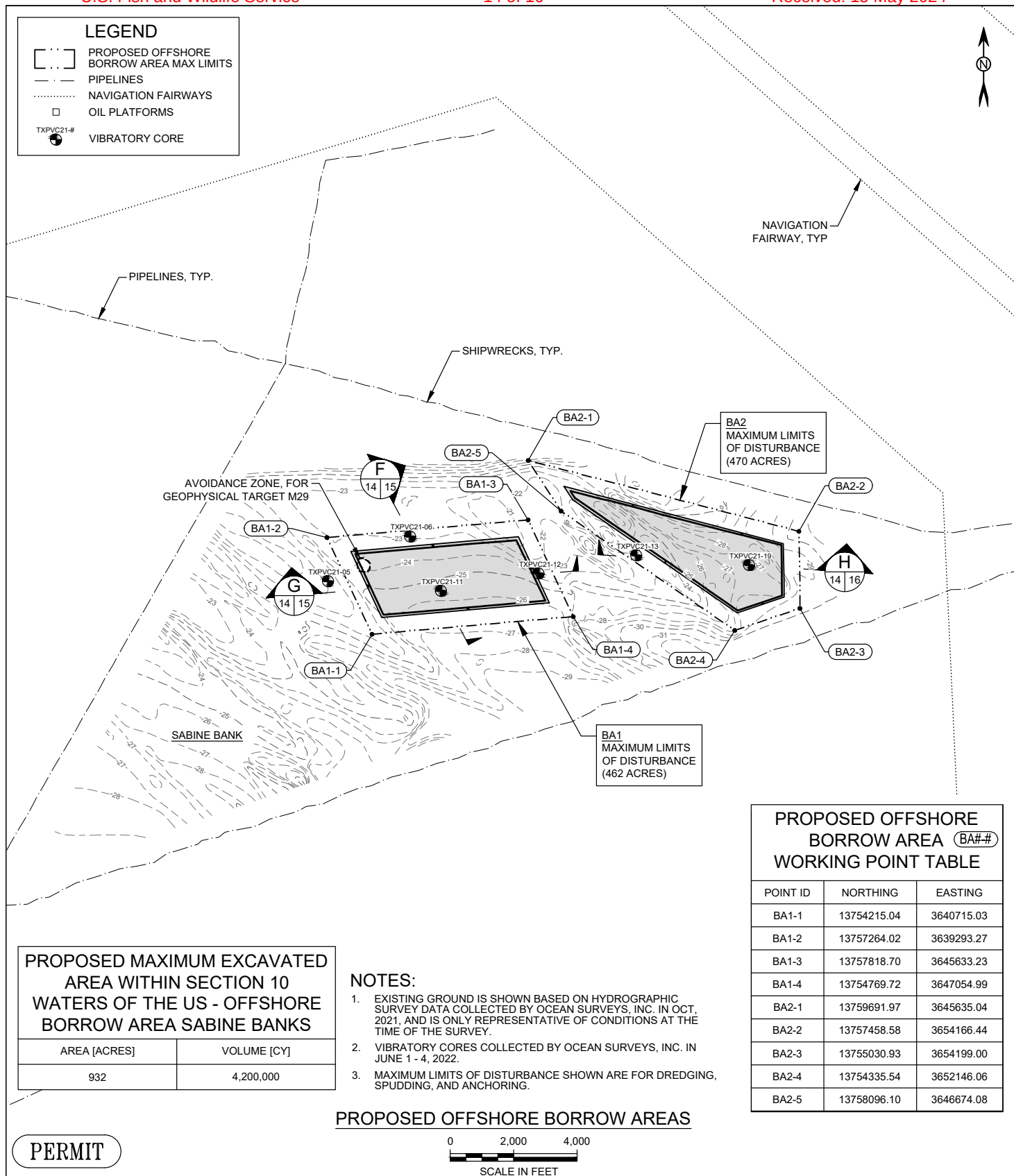


SECTION E
11 13
BEACH NOURISHMENT



DETAIL 1
DUNE PLANTING





APPLICANT: U.S. FISH AND WILDLIFE SERVICE

MAY 15, 2024 SHEET 14 OF 16



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

SITE ADDRESS:
29.680662°N
93.879775°W

VERIFY SCALE

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

0 1"

CLIENT: TEXAS GENERAL LAND
OFFICE
IN: JEFFERSON COUNTY
ADJACENT: GULF OF MEXICO
COUNTY: JEFFERSON
STATE: TEXAS
VERTICAL DATUM: NAVD88
HORIZ. DATUM: TSPSC NAD83-FT

TEXAS POINT
BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

SITE PLAN - PROPOSED OFFSHORE
BORROW AREAS SABINE BANK

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

PERMIT

APPLICANT: U.S. FISH AND WILDLIFE SERVICE

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MACDONALD

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TEXAS POINT
BEACH NOURISHMENT PROJECT

JEFFERSON COUNTY, TEXAS

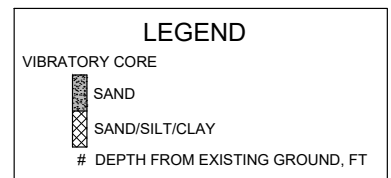
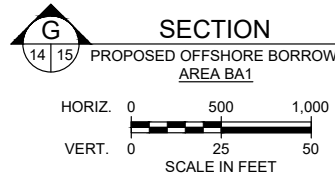
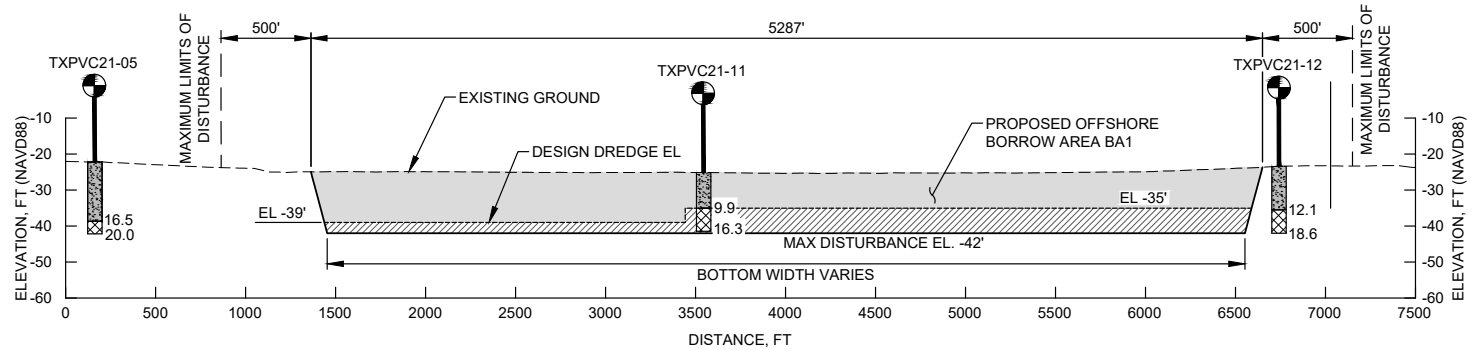
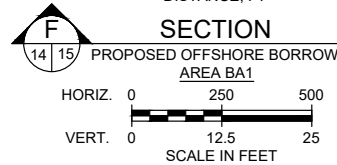
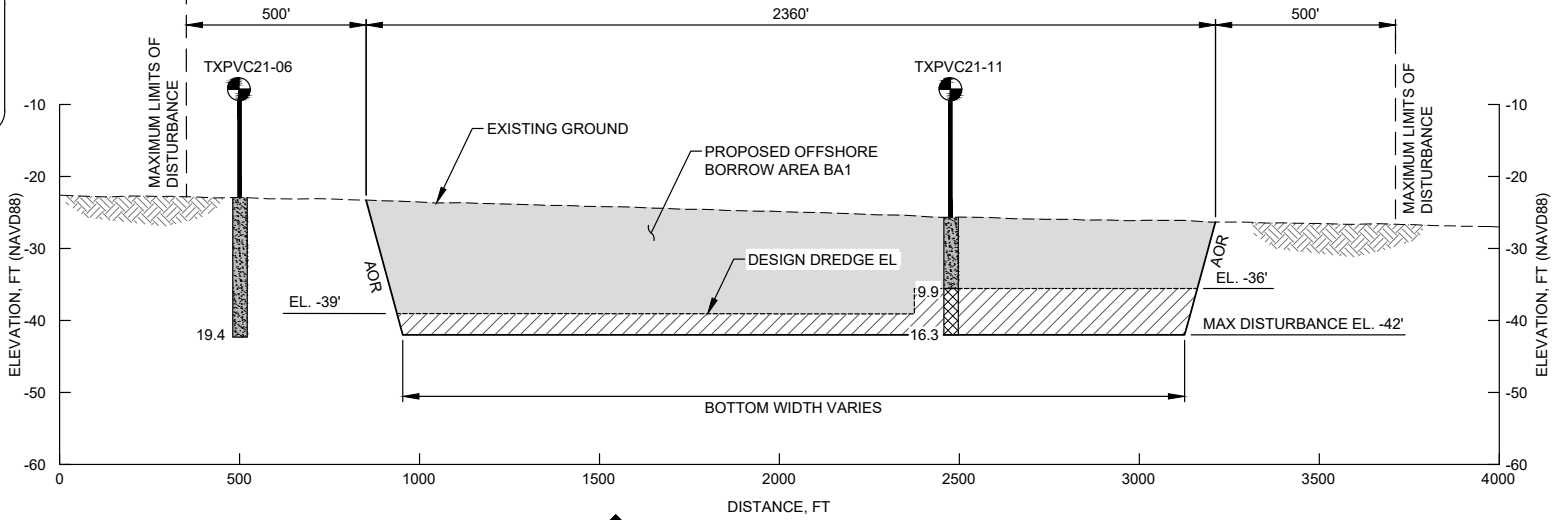
SECTIONS - BORROW AREA BA1

MAY 15, 2024

SHEET 15 OF 16

NOTES:

- EXISTING GROUND IS SHOWN BASED ON HYDROGRAPHIC SURVEY DATA COLLECTED BY OSI, INC. IN OCTOBER OF 2021, AND IS ONLY REPRESENTATIVE OF CONDITIONS AT THE TIME OF THE SURVEY.
- MAXIMUM LIMITS OF DISTURBANCE SHOWN ARE FOR DREDGING, SPUDGING, AND ANCHORING.
- ABBREVIATIONS:
AOR ANGLE OF REPOSE
BA BORROW AREA
EL. ELEVATION
FT / (') FEET
LOD LIMITS OF DISTURBANCE
NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988



PERMIT

APPLICANT: U.S. FISH AND WILDLIFE SERVICE

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COUNTY: JEFFERSON
STATE: TEXAS
VERTICAL DATUM: NAVD88
HORIZ. DATUM: TSPSC NAD83-FT

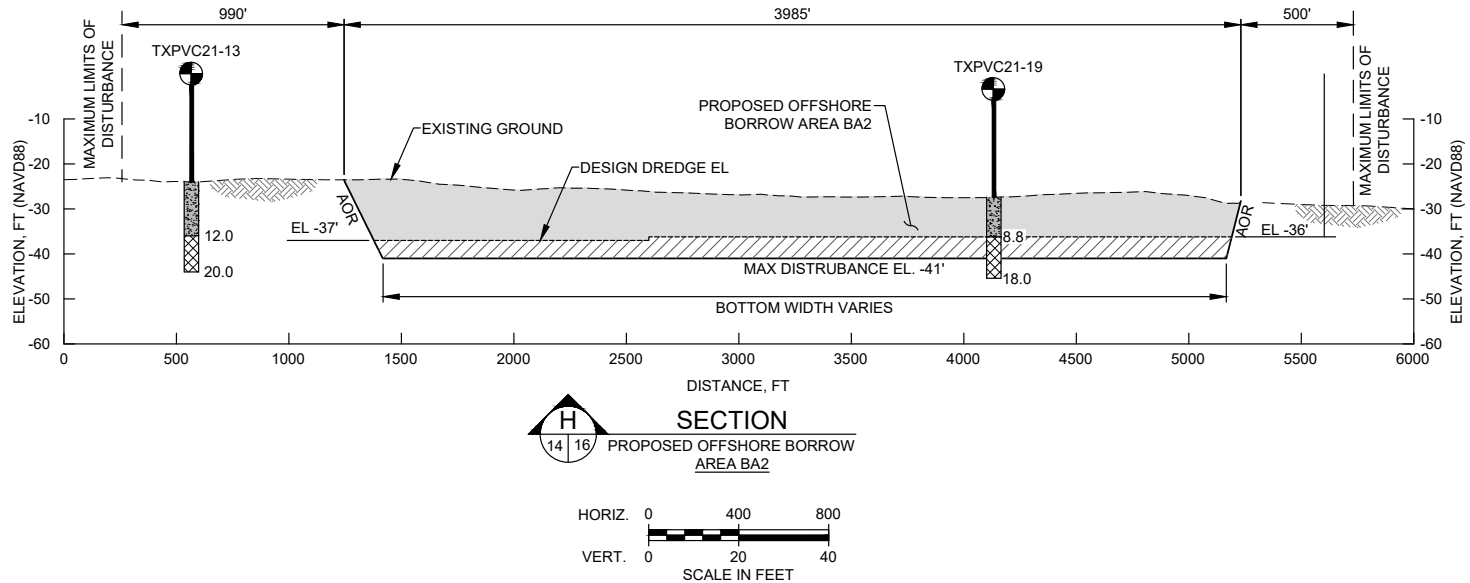
TEXAS POINT
BEACH NOURISHMENT PROJECT
JEFFERSON COUNTY, TEXAS

SECTIONS - BORROW AREA BA2

THESE PLANS ARE INTENDED FOR PERMITTING PURPOSES ONLY
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0 1"

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 - BA BORROW AREA
 - EL. ELEVATION
 - FT / (') FEET
 - LOD LIMITS OF DISTURBANCE
 - NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988

LEGEND

- VIBRATORY CORE
- SAND
 - SAND/SILT/CLAY
 - # DEPTH FROM EXISTING GROUND, FT