

CRABBIN BRIDGE PROJECT



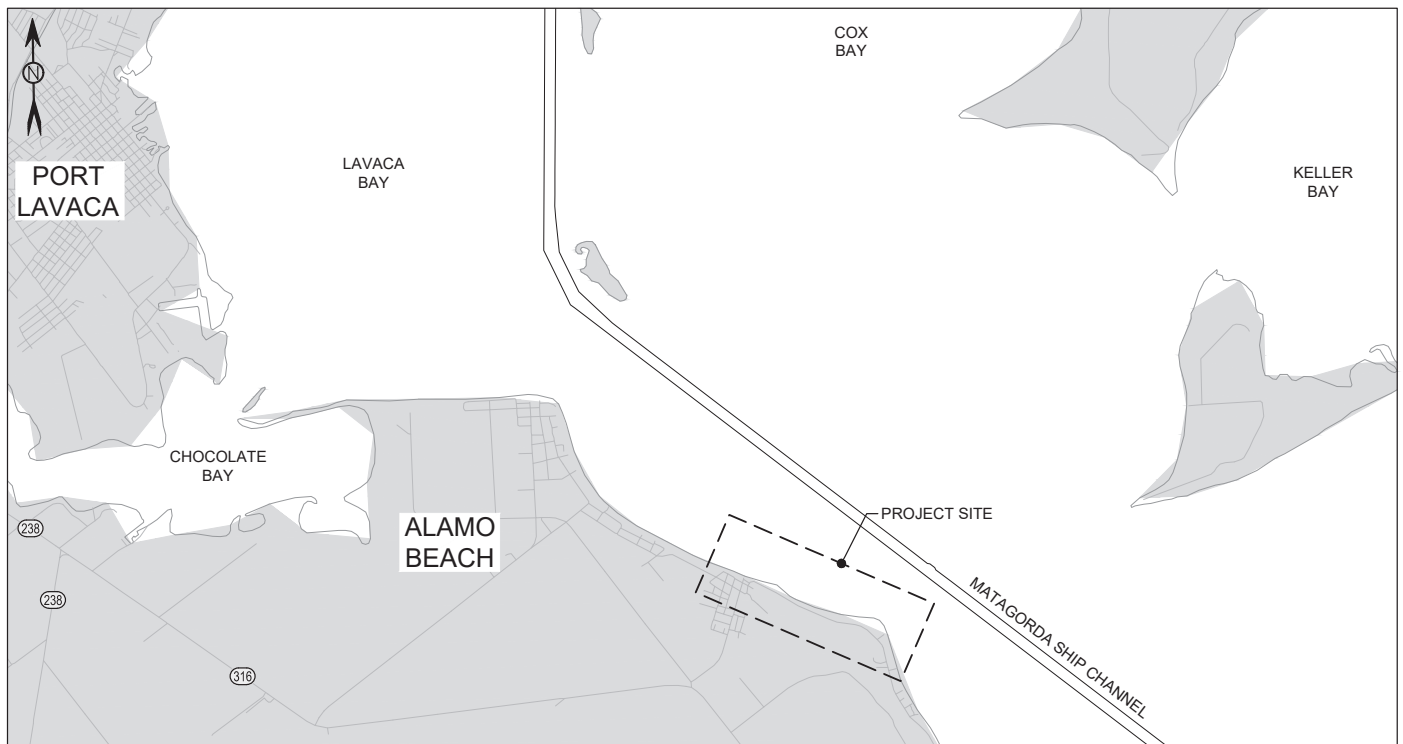
DIRECTIONS:

THE PROJECT SITE CAN BE ACCESSED VIA TX-35. TAKE TX 238 S/E STATE HWY AND TX-316 E TO N OCEAN DRIVE. THE PROJECT SITE CAN BE ACCESSED DIRECTLY FROM OCEAN DRIVE.

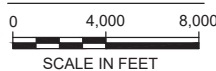
NATURE OF ACTIVITY:

THE PURPOSE OF THIS PROJECT IS TO STABILIZE MAGNOLIA INLET AND THE ADJACENT MAGNOLIA BEACH PARK. THE PROPOSED WORK INCLUDES THE CONSTRUCTION OF TWO IMPROVED JETTIES ON EITHER SIDE OF MAGNOLIA INLET TO TRAP SEDIMENT ALONG MAGNOLIA BEACH. THE PROPOSED WORK ALSO INCLUDES PERIODIC MAINTENANCE DREDGING OF MAGNOLIA INLET AND MAGNOLIA BEACH AND PLACEMENT OF DREDGED MATERIAL AT INDIAN POINT.

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1	VICINITY - LOCATION MAP
2	OVERALL EXISTING SITE PLAN
3	EXISTING SITE PLAN
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5	PROPOSED SITE PLAN
6	CROSS SECTIONS
7	JETTY CROSS SECTIONS
8	JETTY CROSS SECTIONS
9	DREDGE AND FILL PLAN



LOCATION MAP



PERMIT

APPLICANT: CALHOUN COUNTY

AUGUST 04, 2025

SHEET 1 OF 9

M M
MOTT MACDONALD

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

SITE ADDRESS:
28° 33' 37.18" N
96° 32' 16.68" W

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

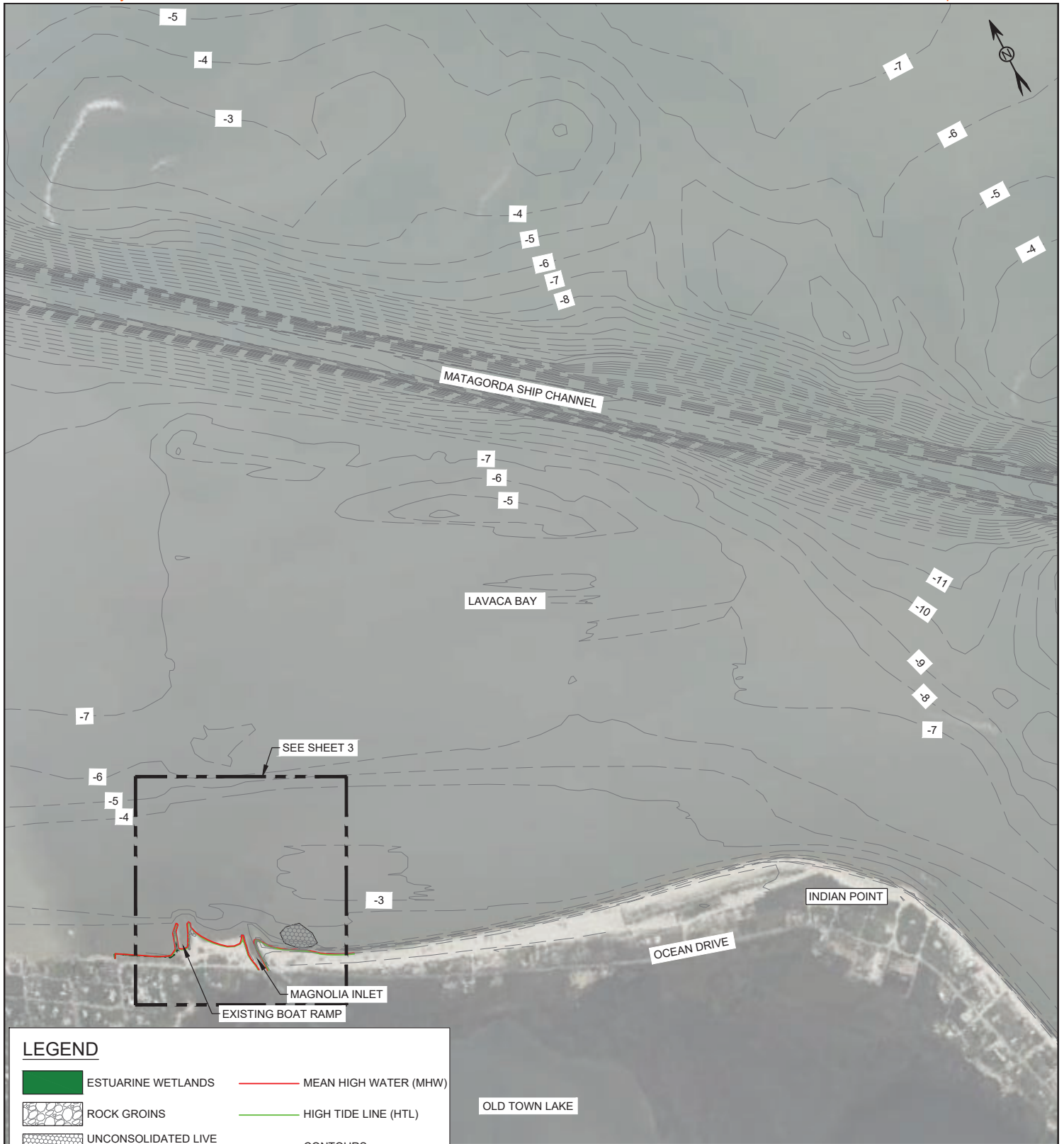
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CLIENT: CALHOUN COUNTY
IN: CALHOUN COUNTY
ADJACENT: LAVACA BAY
COUNTY: CALHOUN COUNTY
STATE: TEXAS
VERTICAL DATUM: NAVD88
HORIZ. DATUM: NAD83 TEXAS STATE PLANE, SOUTH CENTRAL ZONE, US FT

CRABBIN BRIDGE PROJECT

VICINITY - LOCATION MAP

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



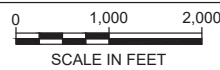
LEGEND

	ESTUARINE WETLANDS		MEAN HIGH WATER (MHW)
	ROCK GROINS		HIGH TIDE LINE (HTL)
	UNCONSOLIDATED LIVE OYSTER		CONTOURS

PERMIT

APPLICANT: CALHOUN COUNTY

OVERALL EXISTING SITE PLAN



AUGUST 04, 2025 SHEET 2 OF 9

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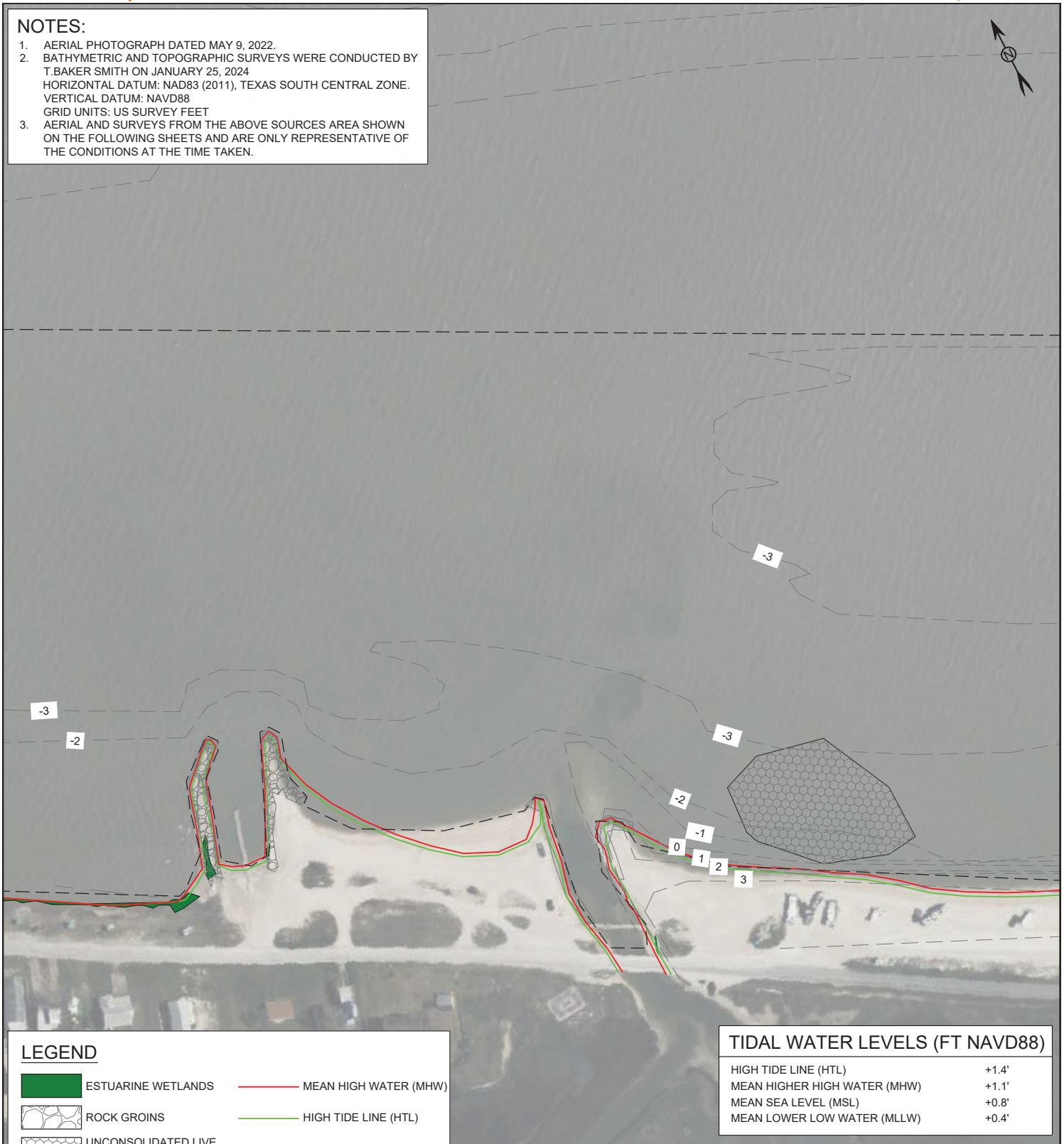
CRABBIN BRIDGE PROJECT

OVERALL EXISTING SITE PLAN

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NOTES:

1. AERIAL PHOTOGRAPH DATED MAY 9, 2022.
2. BATHYMETRIC AND TOPOGRAPHIC SURVEYS WERE CONDUCTED BY T.BAKER SMITH ON JANUARY 25, 2024
HORIZONTAL DATUM: NAD83 (2011), TEXAS SOUTH CENTRAL ZONE.
VERTICAL DATUM: NAVD88
GRID UNITS: US SURVEY FEET
3. AERIAL AND SURVEYS FROM THE ABOVE SOURCES AREA SHOWN ON THE FOLLOWING SHEETS AND ARE ONLY REPRESENTATIVE OF THE CONDITIONS AT THE TIME TAKEN.



LEGEND

- ESTUARINE WETLANDS
- MEAN HIGH WATER (MHW)
- ROCK GROINS
- HIGH TIDE LINE (HTL)
- UNCONSOLIDATED LIVE OYSTER
- CONTOURS

TIDAL WATER LEVELS (FT NAVD88)

HIGH TIDE LINE (HTL)	+1.4'
MEAN HIGHER HIGH WATER (MHW)	+1.1'
MEAN SEA LEVEL (MSL)	+0.8'
MEAN LOWER LOW WATER (MLLW)	+0.4'

EXISTING SITE PLAN



PERMIT

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AUGUST 04, 2025

SHEET 3 OF 9



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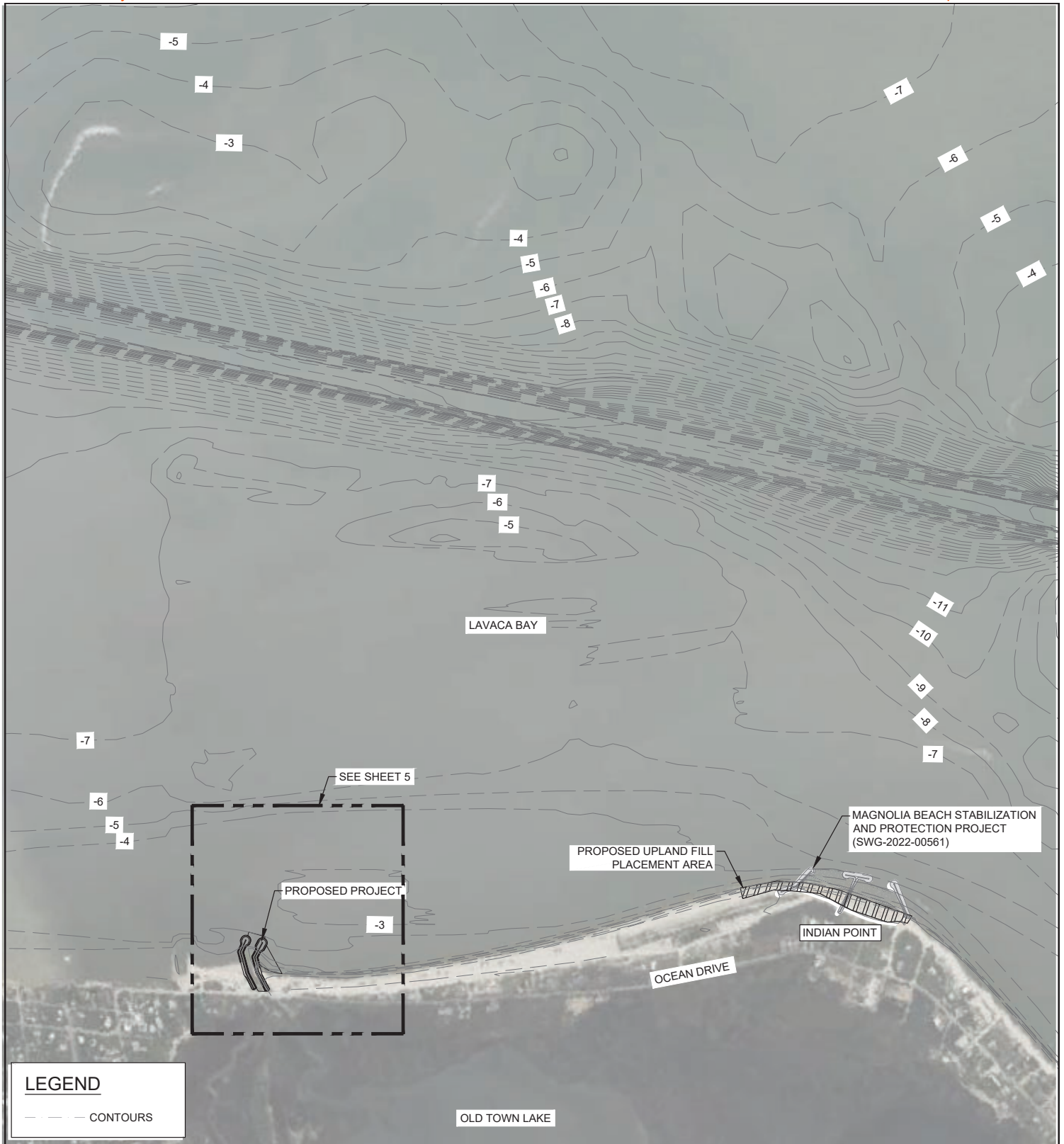


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CRABBIN BRIDGE PROJECT

EXISTING SITE PLAN

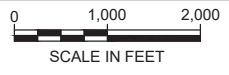
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LEGEND
--- CONTOURS

OVERALL PROPOSED SITE PLAN

PERMIT



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CRABBIN BRIDGE PROJECT

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OVERALL PROPOSED SITE PLAN

NOTES:

1. SENSITIVE HABITAT SURVEY WAS CONDUCTED BY TRITON ENVIRONMENTAL SOLUTIONS LLC BETWEEN AUGUST 23-27, 2024.
2. BATHYMETRIC AND TOPOGRAPHIC SURVEYS WERE CONDUCTED BY T.BAKER SMITH ON JANUARY 25, 2024
HORIZONTAL DATUM: NAD83 (2011), TEXAS SOUTH CENTRAL ZONE.
VERTICAL DATUM: NAVD88
GRID UNITS: US SURVEY FEET
3. JETTY AREAS ARE APPROXIMATE BASED ON FIELD DATA COLLECTION. ACTUAL FOOTPRINT MAY VARY SLIGHTLY DURING THE FINAL DESIGN PHASE OR CONSTRUCTION.
4. AIDS TO NAVIGATION DETAILS TO BE FINALIZED BASED ON US COAST GUARD STANDARDS.
5. STAGING AREA BOUNDARIES ARE APPROXIMATE. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING VEGETATION. STAGING WILL BE LIMITED TO ABOVE THE HTL AT THE TIME AT CONSTRUCTION.

TIDAL WATER LEVELS (FT NAVD88)

HIGH TIDE LINE (HTL)	+1.4'
MEAN HIGHER HIGH WATER (MHW)	+1.1'
MEAN SEA LEVEL (MSL)	+0.8'
MEAN LOWER LOW WATER (MLLW)	+0.4'



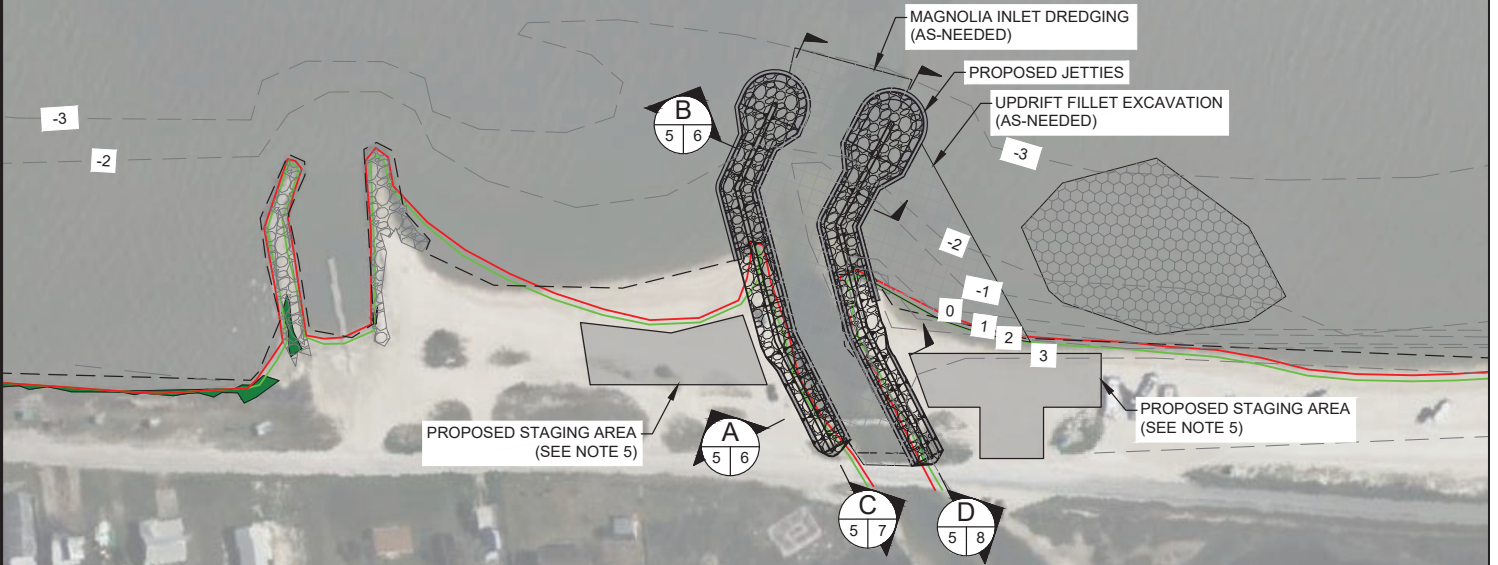
PERMANENT IMPACTS

MATERIAL	FOOTPRINT (AC)
JETTY (ROCK)	0.4
DREDGE	1.1
PLACED FILL	2.52

MAX PLACED MATERIAL (SEAWARD OF HTL)

MATERIAL	FOOTPRINT AREA (ACRES)	VOLUME [CY]
JETTY (ROCK)	0.4	5,000
PLACED FILL	2.52	2,000

LAVACA BAY



LEGEND

ESTUARINE WETLANDS	MEAN HIGH WATER (MHW)	AQUATIC SURVEY BOUNDARY
ROCK GROINS	HIGH TIDE LINE (HTL)	PROPOSED JETTY
UNCONSOLIDATED LIVE OYSTER	CONTOURS	AS NEEDED EXCAVATION

PERMIT

PROPOSED SITE PLAN



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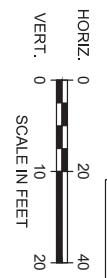
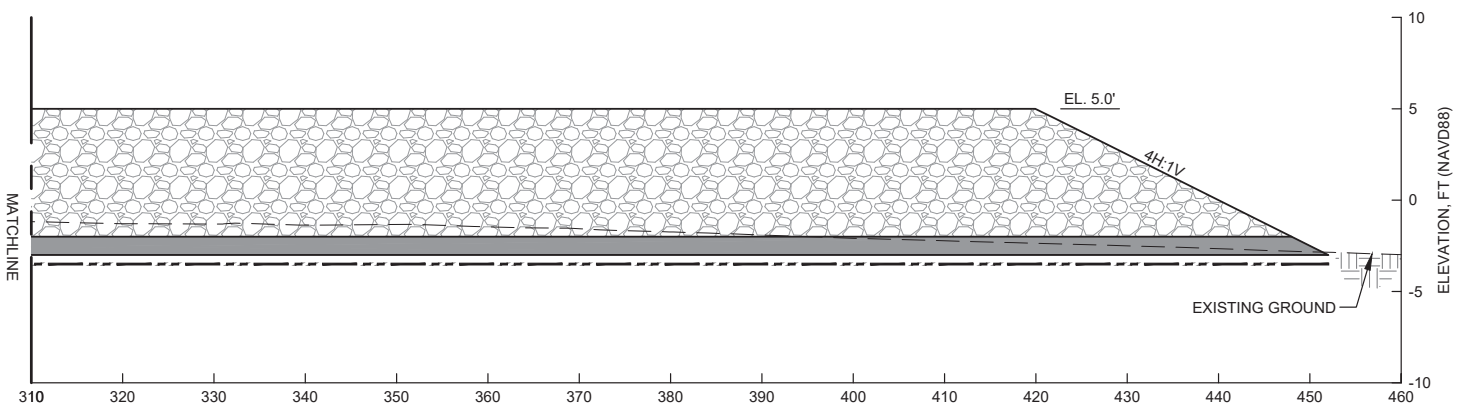
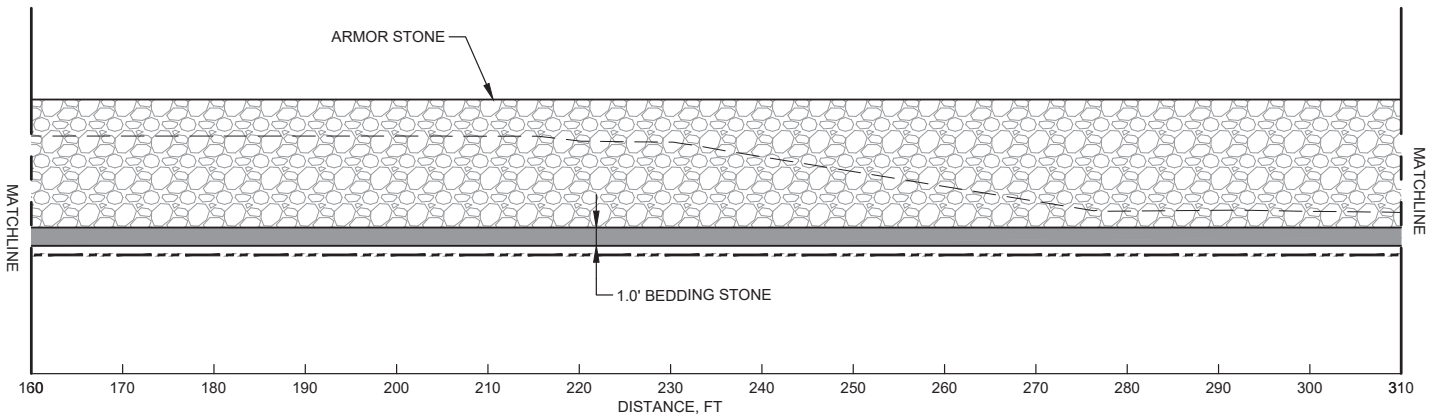
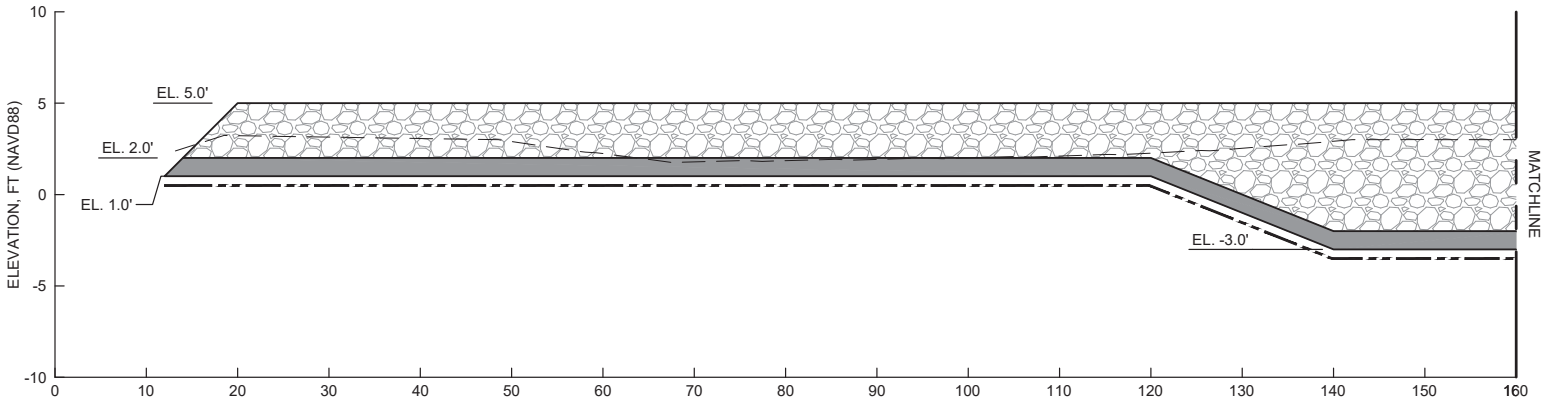
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PROPOSED SITE PLAN

C:\Users\CAH0394\OneDrive\Documents\Projects\2025\20250918\20250918_Calhoun_Cross_Section.dwg



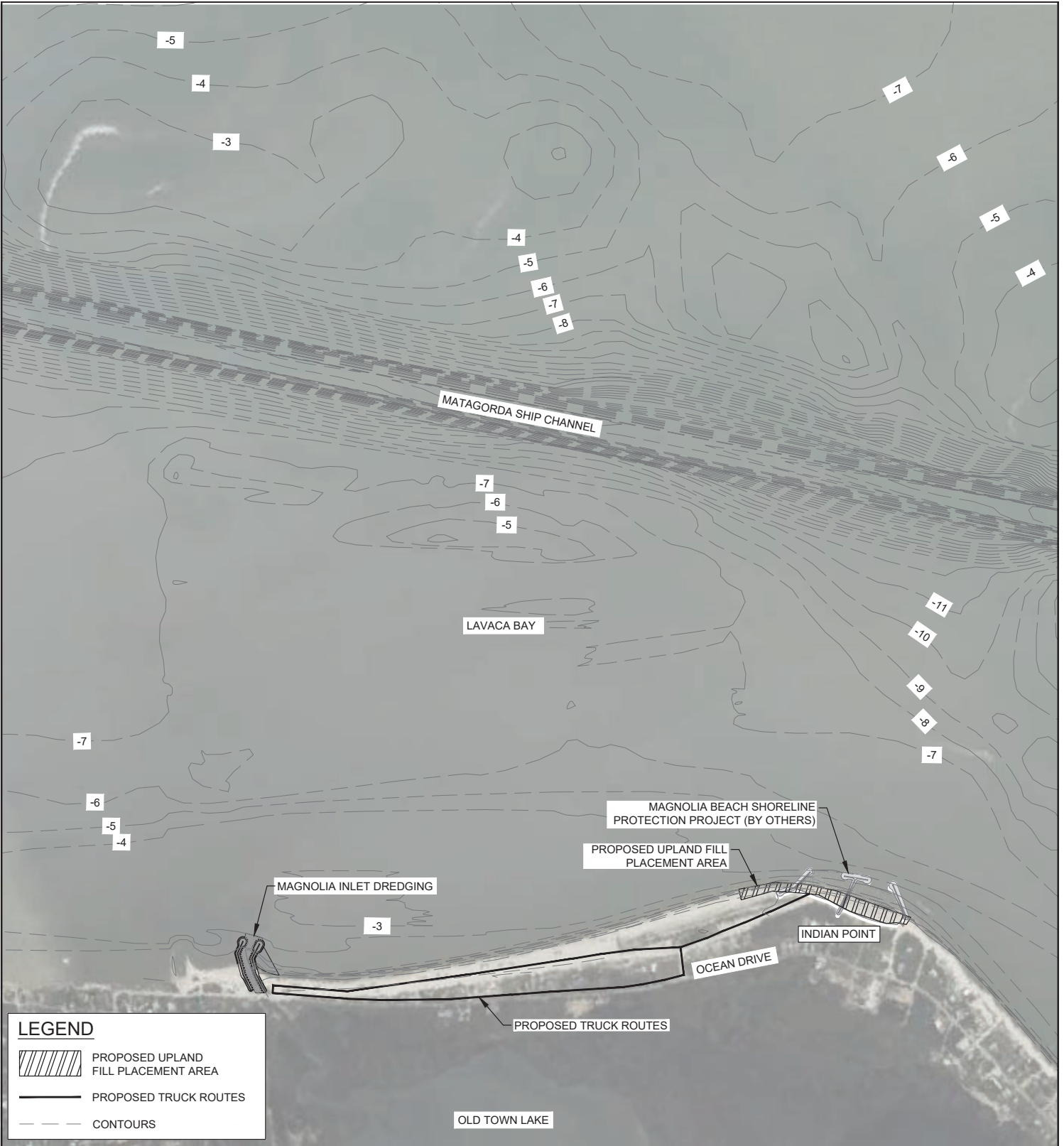
LEGEND

- ARMOR STONE
- BEDDING STONE
- EXISTING GROUND
- GEOTEXTILE

SECTION
WEST JETTY SECTION
C
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AUGUST 04, 2025 SHEET 7 OF 9

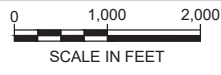
<p>MOTT MACDONALD</p> <p>110 Wind Basin Road Suite 100 Austin, Texas 78746 Texas Registered Firm No. 7429 T +1 (512) 342-9516 www.mottmac.com</p>	<p>CLIENT: CALHOUN COUNTY</p> <p>IN: CALHOUN COUNTY ADJACENT: LAVACA BAY COUNTY: CALHOUN COUNTY STATE: TEXAS VERTICAL DATUM: NAVD88 HORIZ. DATUM: NAD83 TEXAS STATE PLANE, SOUTH CENTRAL ZONE, US FT</p>
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<p>SITE ADDRESS: 28° 33' 37.18" N 96° 32' 16.88" W</p> <p>VERIFY SCALE</p>	



LEGEND

- PROPOSED UPLAND FILL PLACEMENT AREA
- PROPOSED TRUCK ROUTES
- CONTOURS

DREDGE AND FILL PLAN



PERMIT

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DREDGE AND FILL

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