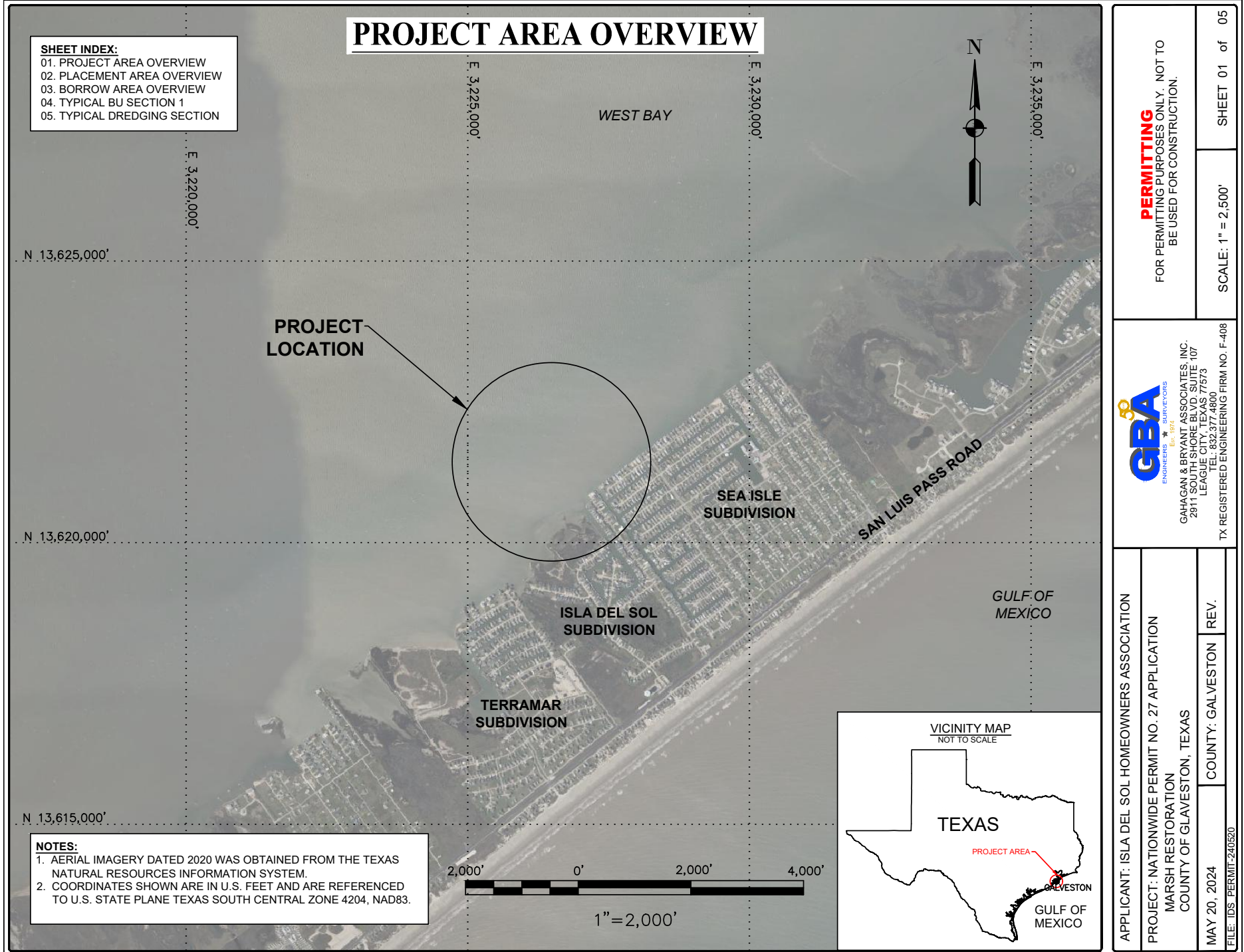




PLACEMENT AREA OVERVIEW

SITE EXTENTS COORDINATES

NO.	EASTING	NORTHING
1	3,226,332.33	13,620,353.17
2	3,226,108.15	13,620,227.07
3	3,226,142.07	13,620,170.18
4	3,226,210.44	13,620,125.26
5	3,226,454.53	13,620,047.43
6	3,226,497.72	13,620,051.79
7	3,226,540.77	13,620,082.97
8	3,226,562.92	13,620,129.13
9	3,226,599.28	13,620,141.08
10	3,226,616.35	13,620,144.64
11	3,226,648.85	13,620,179.03
12	3,226,681.72	13,620,225.02
13	3,226,702.29	13,620,221.46
14	3,226,744.47	13,620,259.95
15	3,226,742.01	13,620,307.27
16	3,226,800.87	13,620,311.32
17	3,226,864.45	13,620,286.94
18	3,226,956.53	13,620,279.50
19	3,227,022.71	13,620,359.25
20	3,227,065.87	13,620,418.58
21	3,227,077.64	13,620,434.76
22	3,227,099.87	13,620,465.31
23	3,227,014.57	13,620,525.04
24	3,226,910.80	13,620,533.66
25	3,226,901.83	13,620,548.10
26	3,226,930.70	13,620,612.82
27	3,226,819.19	13,620,658.58
28	3,226,523.97	13,620,533.85
29	3,226,476.26	13,620,508.33
30	3,226,299.91	13,620,413.42

WEST BAY

BORROW CHANNEL TOES
(REFER SHEET 03)

BU BERM 3
400' X 55'
APPROX: 0.65 AC

BU BERM 2
200' X 55'
APPROX: 0.31 AC

BU BERM 1
300' X 55'
APPROX: 0.42 AC

BU BERM 4
200' X 40'
APPROX: 0.17 AC;
OUTSIDE SLOPE
ADJUSTED TO 3:1

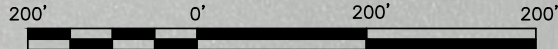
BU BERM 3
BORROW AREA

BU BERM 2
BORROW AREA

BU BERM 1
BORROW AREA

BU EXTENTS
APPROX: 5.4 AC

BU BERM 4
BORROW AREA



1"=200'

NOTES:

1. AERIAL IMAGERY DATED 2020 WAS OBTAINED FROM THE TEXAS NATURAL RESOURCES INFORMATION SYSTEM.
2. COORDINATES SHOWN ARE IN U.S. FEET AND ARE REFERENCED TO U.S. STATE PLANE TEXAS SOUTH CENTRAL ZONE 4204, NAD83.
3. BENEFICIAL USE BERMS TO BE BUILT ATOP EXISTING GEOTUBES.

LEGEND:

- BU BERM
- EXISTING GEOTUBES
- PLACEMENT AREA
- BU BERM BORROW AREA
- SILT SCREEN FEATURE



PERMITTING
FOR PERMITTING PURPOSES ONLY. NOT TO
BE USED FOR CONSTRUCTION.

SHEET 02 of 05

SCALE: 1" = 200'

APPLICANT: ISLA DEL SOL HOMEOWNERS ASSOCIATION

PROJECT: NATIONWIDE PERMIT NO. 27 APPLICATION
MARSH RESTORATION
COUNTY OF GALVESTON, TEXAS

MAY 20, 2024 COUNTY: GALVESTON REV.

FILE: IDS PERMIT-240520

GBA
ENGINEERS & ARCHITECTS
Est. 1974
GAHAGAN & BRYANT ASSOCIATES, INC.
2911 SOUTH SHORE BLVD. SUITE 107
LEAGUE CITY, TEXAS 77573
TEL: 832.377.4800
TX REGISTERED ENGINEERING FIRM NO. F-408

BORROW AREA OVERVIEW

SITE EXTENTS COORDINATES		
NO.	EASTING	NORTHING
1	3,225,560.92	13,622,570.51
2	3,225,593.12	13,622,594.24
3	3,225,625.32	13,622,617.97
4	3,226,918.34	13,620,863.77
5	3,227,242.43	13,621,091.36
6	3,227,265.42	13,621,058.62
7	3,227,288.41	13,621,025.89
8	3,226,966.59	13,620,799.89
9	3,226,989.99	13,620,766.57
10	3,226,988.73	13,620,734.58
11	3,227,448.56	13,620,110.74
12	3,227,432.46	13,620,098.87
13	3,227,400.26	13,620,075.14
14	3,226,909.34	13,620,808.57



WEST
BAY

BORROW
CHANNEL TOES
APPROX: 6.05 AC

BORROW CHANNEL
CENTERLINES

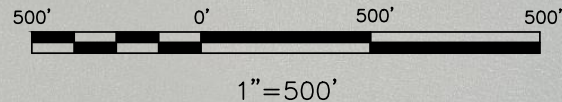
ISLA DEL SOL CHANNEL
3100' X 80'
APPROX: 27,900 CY

SEA ISLE SPUR
534' X 80'
APPROX: 2,800 CY

SEA ISLE
SUBDIVISION

BENEFICIAL USE
LOCATION

ISLA DEL SOL
SUBDIVISION



NOTES:

1. AERIAL IMAGERY DATED 2020 WAS OBTAINED FROM THE TEXAS NATURAL RESOURCES INFORMATION SYSTEM.
2. COORDINATES SHOWN ARE IN U.S. FEET AND ARE REFERENCED TO U.S. STATE PLANE TEXAS SOUTH CENTRAL ZONE 4204, NAD83.
3. ALL COORDINATE REFLECT EXTENT OF CHANNEL BORROW AREA TOES

LEGEND:

- BU BERM
- PLACEMENT AREA
- BORROW AREA TOES
- BORROW AREA CENTERLINE

PERMITTING

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SCALE: 1" = 500'

SHEET 03 of 05

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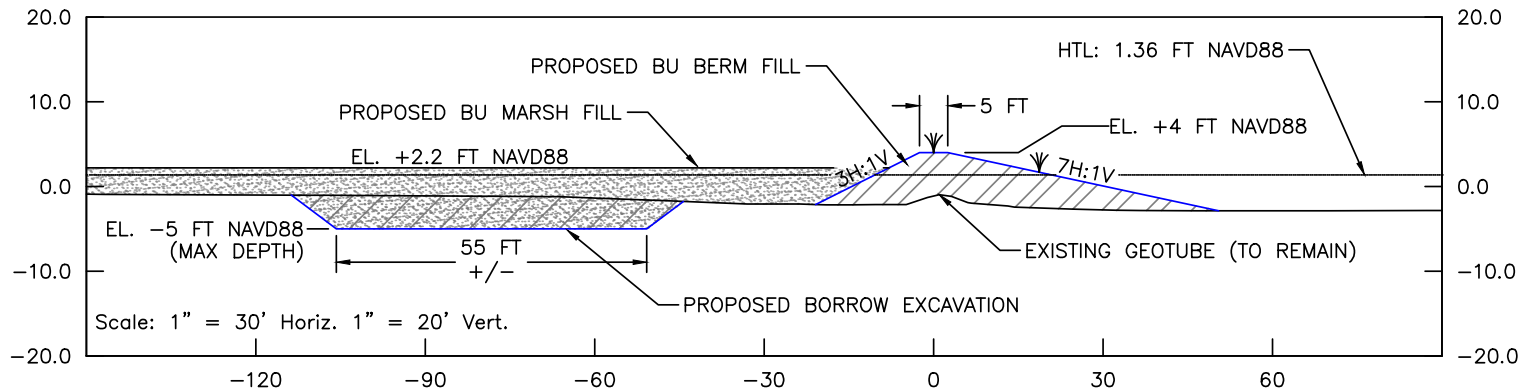
APPLICANT: ISLA DEL SOL HOMEOWNERS ASSOCIATION

PROJECT: NATIONWIDE PERMIT NO. 27 APPLICATION
MARSH RESTORATION
COUNTY OF GALVESTON, TEXAS

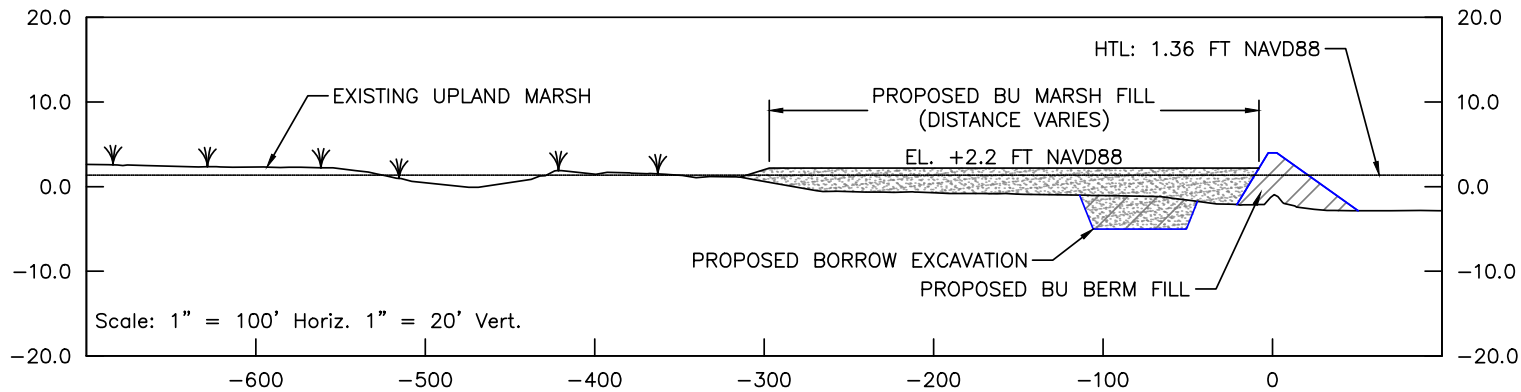
MAY 20, 2024 COUNTY: GALVESTON REV.

FILE: IDS PERMIT-240520

TYPICAL BU SECTIONS



TYPICAL BU SECTION B



TYPICAL BU SECTION A

NOTES:

1. SURVEY DATA SHOWN IS A COMBINATION OF HYDROGRAPHIC DATA COLLECTED 10/9/23 AND TOPOGRAPHIC DATA COLLECTED ON 1/8/24 AND 1/18/24, BY GAHAGAN & BRYANT ASSOCIATES, INC. AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THOSE TIMES.
2. ALL ELEVATIONS ARE IN U.S. SURVEY FEET AND REFERENCED TO NAVD88.
3. TIDAL DATUMS ARE REFERENCED TO SAN LUIS PASS TIDE GAUGE NO. 8771972

PLACEMENT AREA CAPACITY	TOTAL
BELOW HIGH TIDE LINE (1.36 FT NAVD88)	27,800 CY
ABOVE HIGH TIDE LINE & BELOW DESIGN ELEVATION (2.2 FT NAVD88)	7,000 CY

PERMITTING

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SHEET 04 of 05

SCALE: AS SHOWN

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TEL: 832.377.4800
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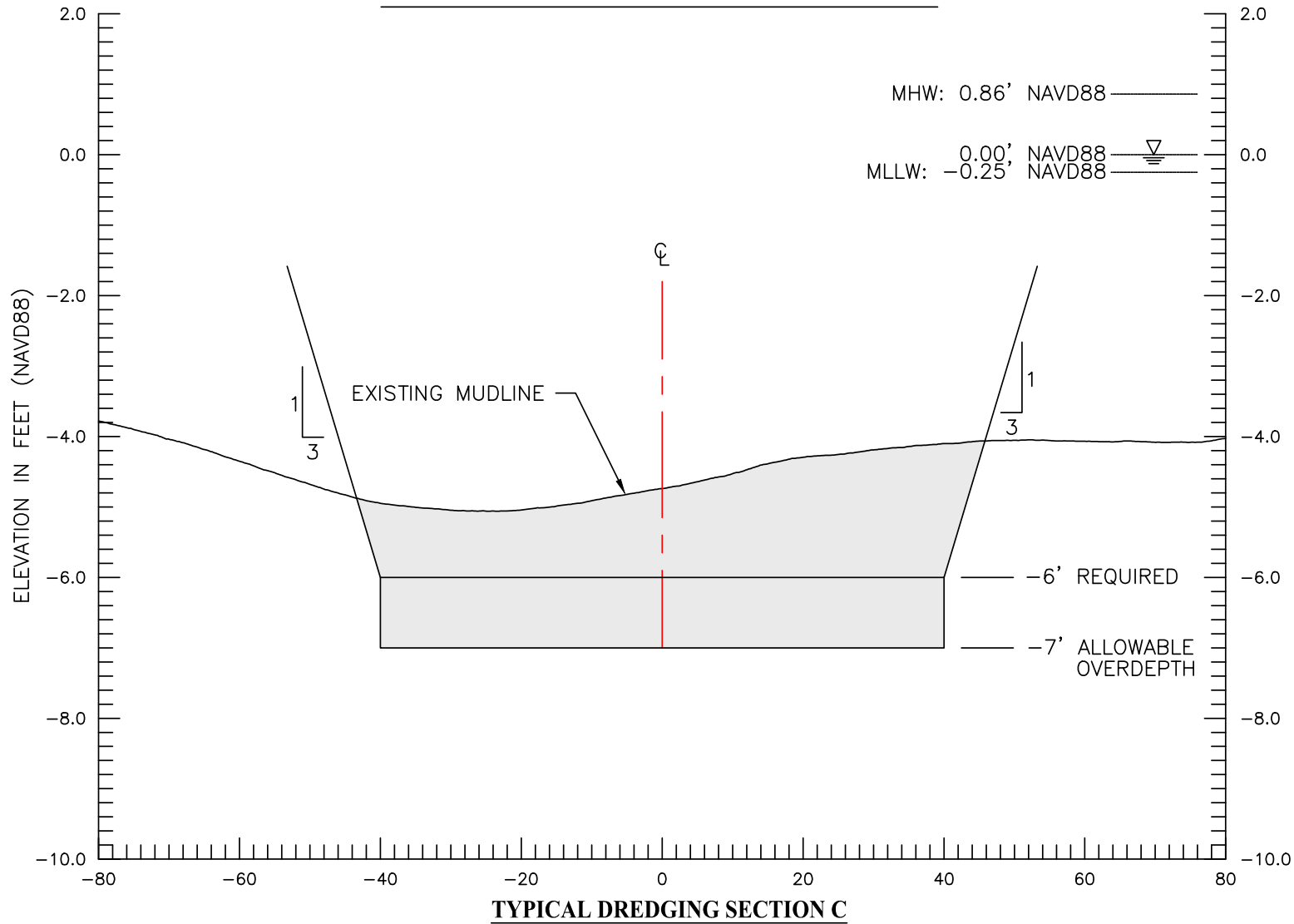
APPLICANT: ISLA DEL SOL HOMEOWNERS ASSOCIATION

PROJECT: NATIONWIDE PERMIT NO. 27 APPLICATION
MARSH RESTORATION
COUNTY OF GALVESTON, TEXAS

AUG 20, 2024 COUNTY: GALVESTON REV. 01

FILE: IDS PERMIT-240820

TYPICAL DREDGING SECTION



NOTES:

1. SURVEY DATA SHOWN IS A COMBINATION OF HYDROGRAPHIC DATA COLLECTED 10/9/23 AND TOPOGRAPHIC DATA COLLECTED ON 1/8/24 AND 1/18/24, BY GAHAGAN & BRYANT ASSOCIATES, INC. AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THOSE TIMES.
2. ALL ELEVATIONS ARE IN U.S. SURVEY FEET AND REFERENCED TO NAVD88.
3. TIDAL DATUMS ARE REFERENCED TO SAN LUIS PASS TIDE GAUGE NO. 8771972

LOCATION	REQUIRED	OVERDEPTH	TOTAL
ISLA DEL SOL	19,700 CY	8,200 CY	27,900 CY
SEA ISLE SPUR	1,600 CY	1,200 CY	2,800 CY

PERMITTING

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SHEET 05 of 05

SCALE: AS SHOWN

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APPLICANT: ISLA DEL SOL HOMEOWNERS ASSOCIATION

PROJECT: NATIONWIDE PERMIT NO. 27 APPLICATION

MARSH RESTORATION
COUNTY OF GALVESTON, TEXAS

AUG 20, 2024 COUNTY: GALVESTON REV. 01

FILE: IDS PERMIT-240820