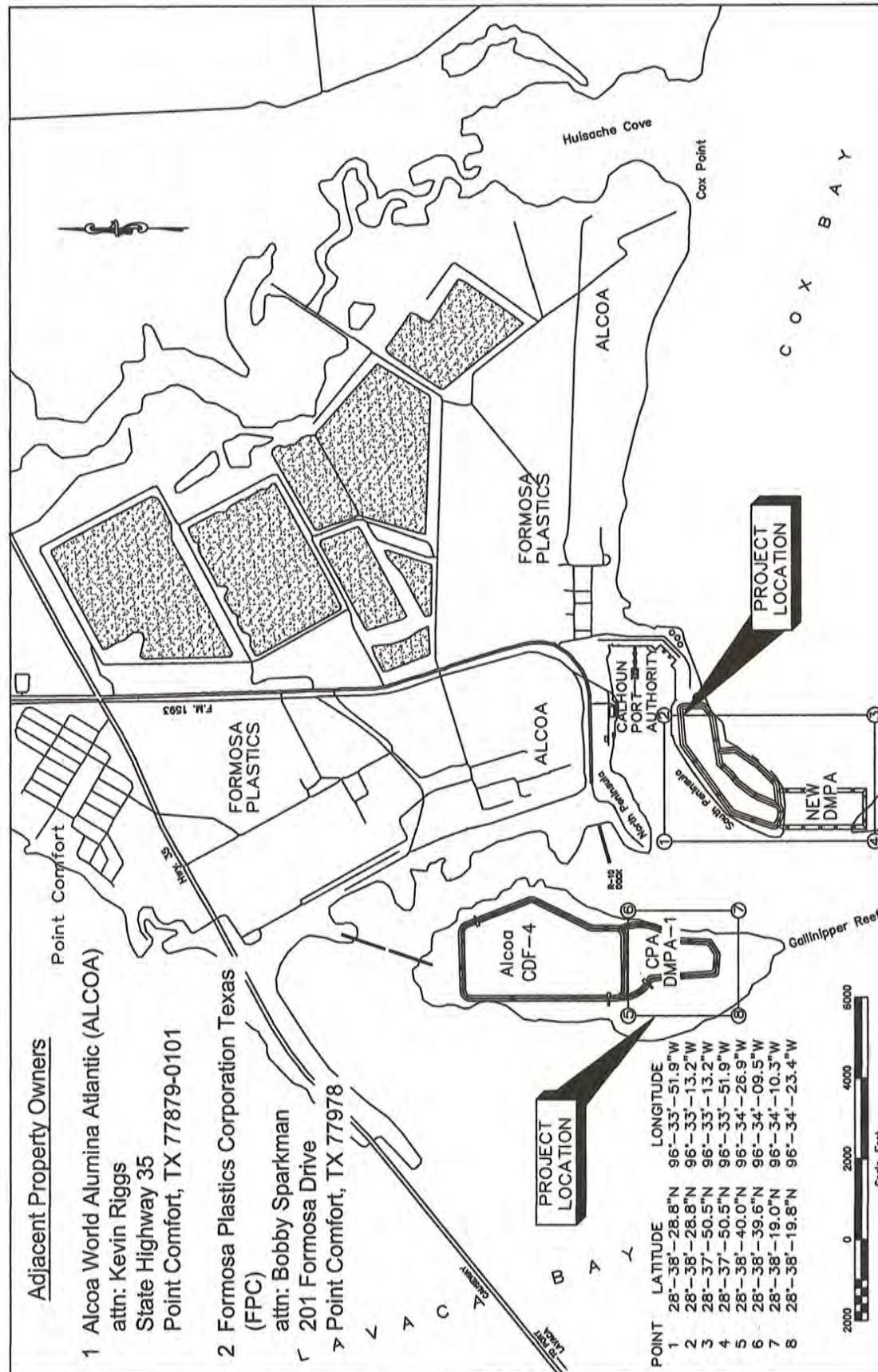




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SITE VICINITY MAP

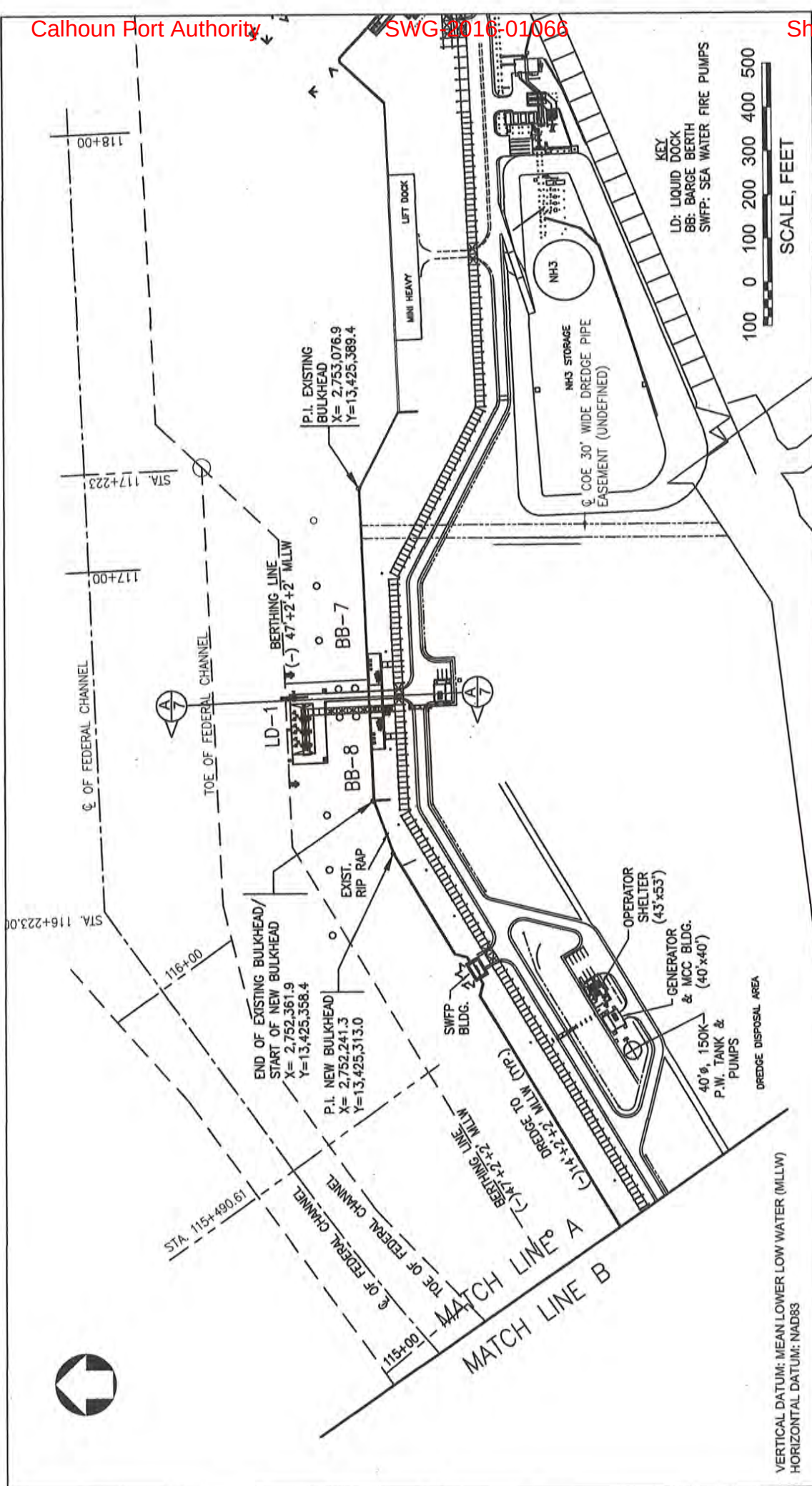
SOUTH PENINSULA DEVELOPMENT PROJECT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____
FIGURE 1 OF 15

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LIQUID DOCKS PLAN VIEW - A

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS
PERMIT NO. _____

FIGURE 3 OF 15

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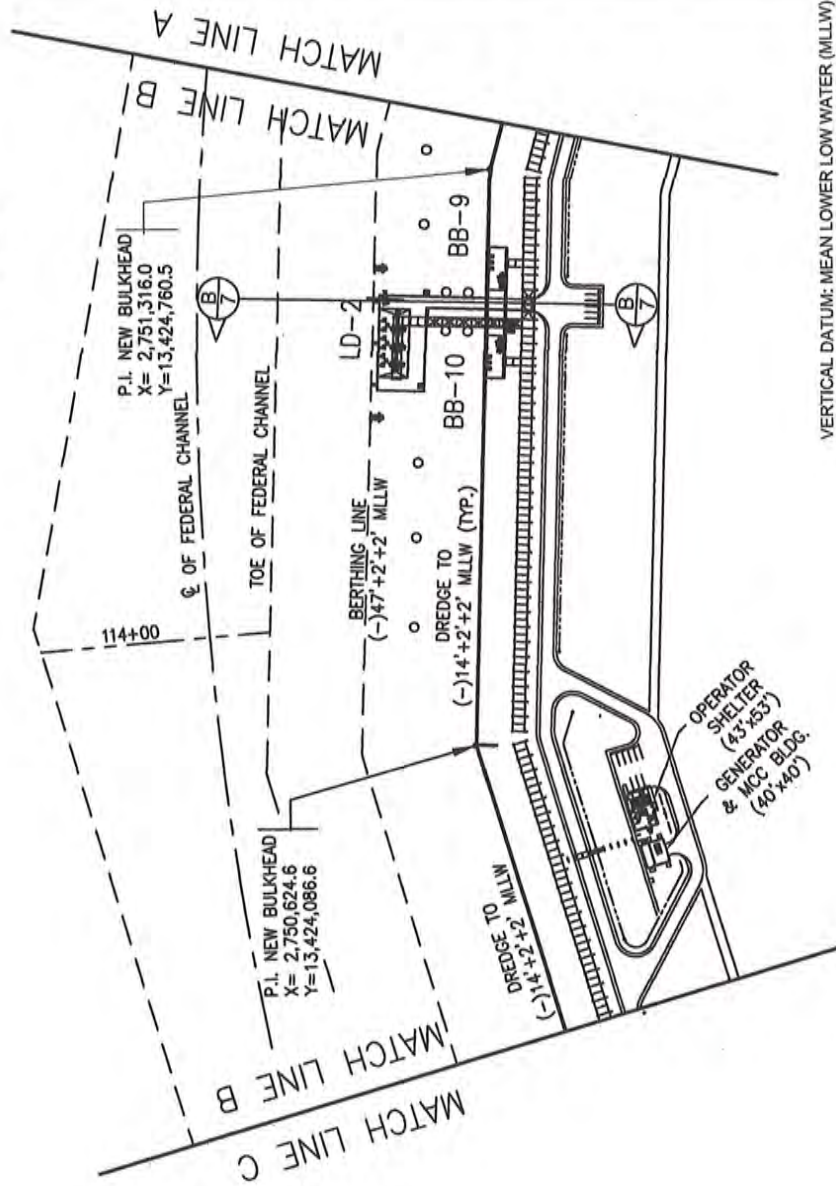
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VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW)
HORIZONTAL DATUM: NAD83

KEY
LD: LIQUID DOCK
BB: BARGE BERTH
SWFP: SEA WATER FIRE PUMPS

100 0 100 200 300 400 500
SCALE, FEET

LIQUID DOCKS, PLAN VIEW - B

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____

FIGURE 4 OF 15

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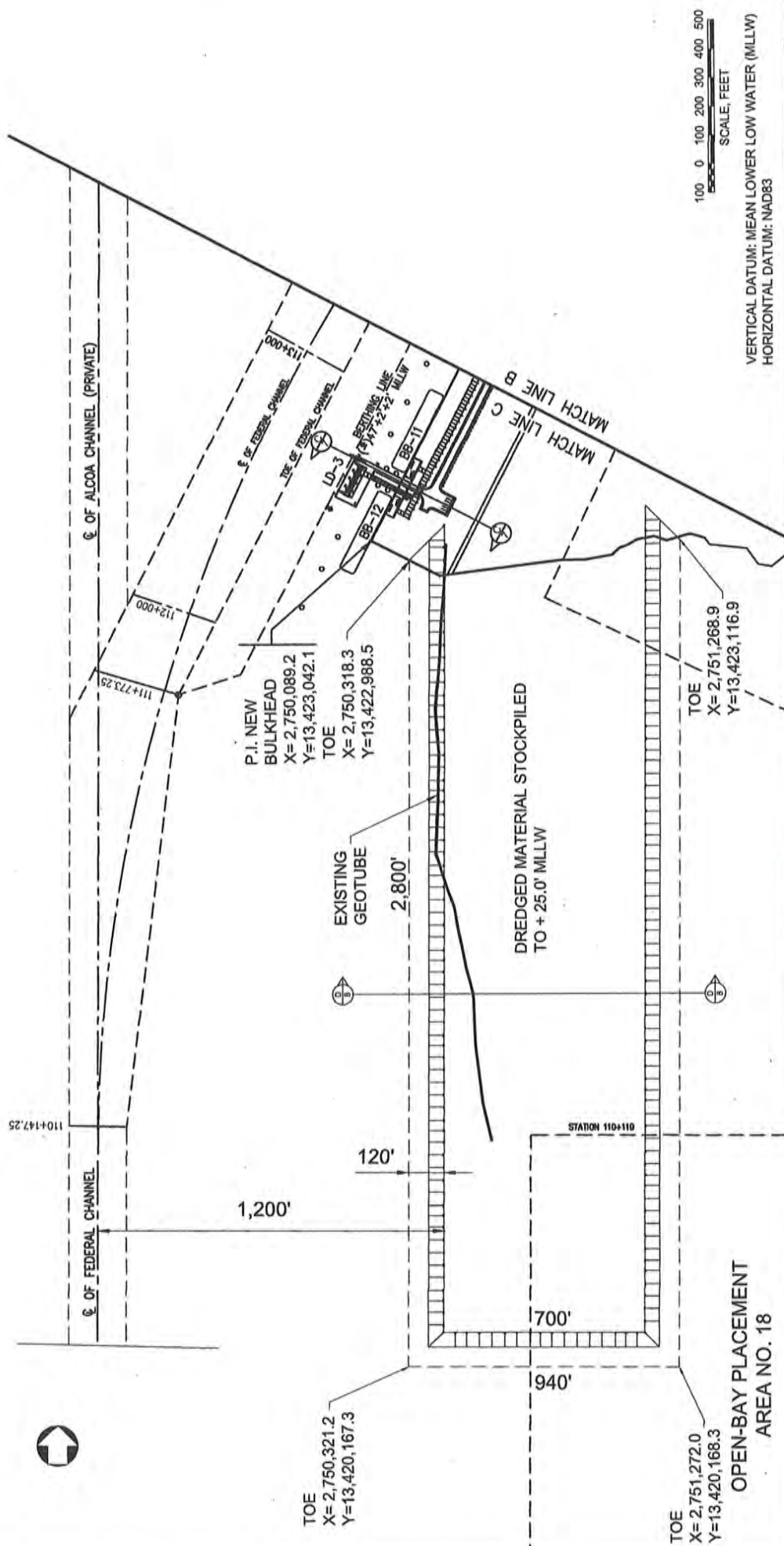
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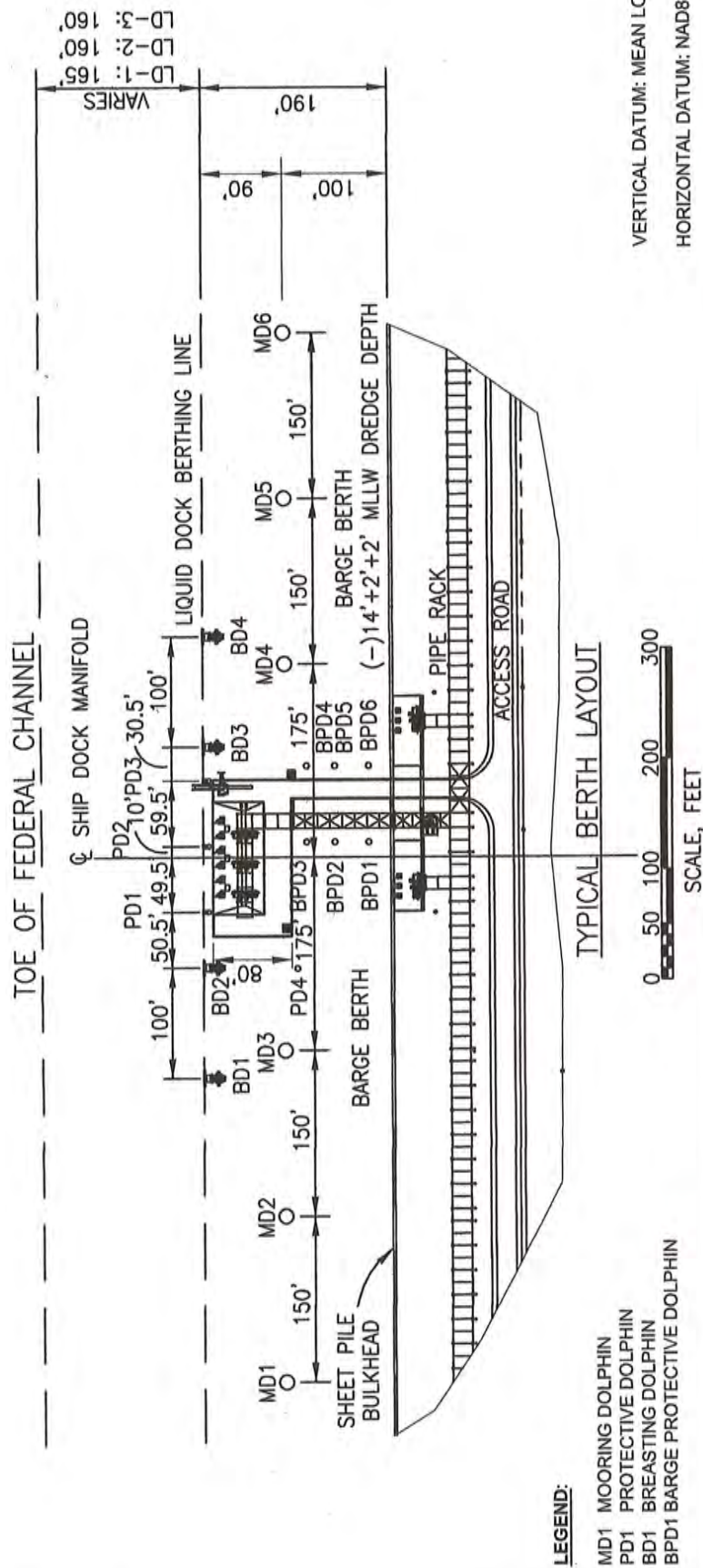
LIQUID DOCKS, PLAN VIEW -

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____

FIGURE 5 OF 15

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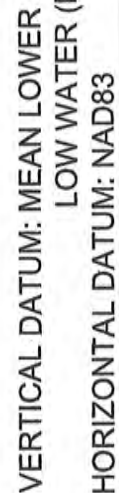


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TYPICAL DOCK LAYOUT

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

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FIGURE 6 OF 15



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CALHOUN
Port Authority
POINT COMFORT, TEXAS • USA

**LIQUID DOCK CROSS
SECTIONS A-A THROUGH C-C**
SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____
FIGURE 7 OF 15



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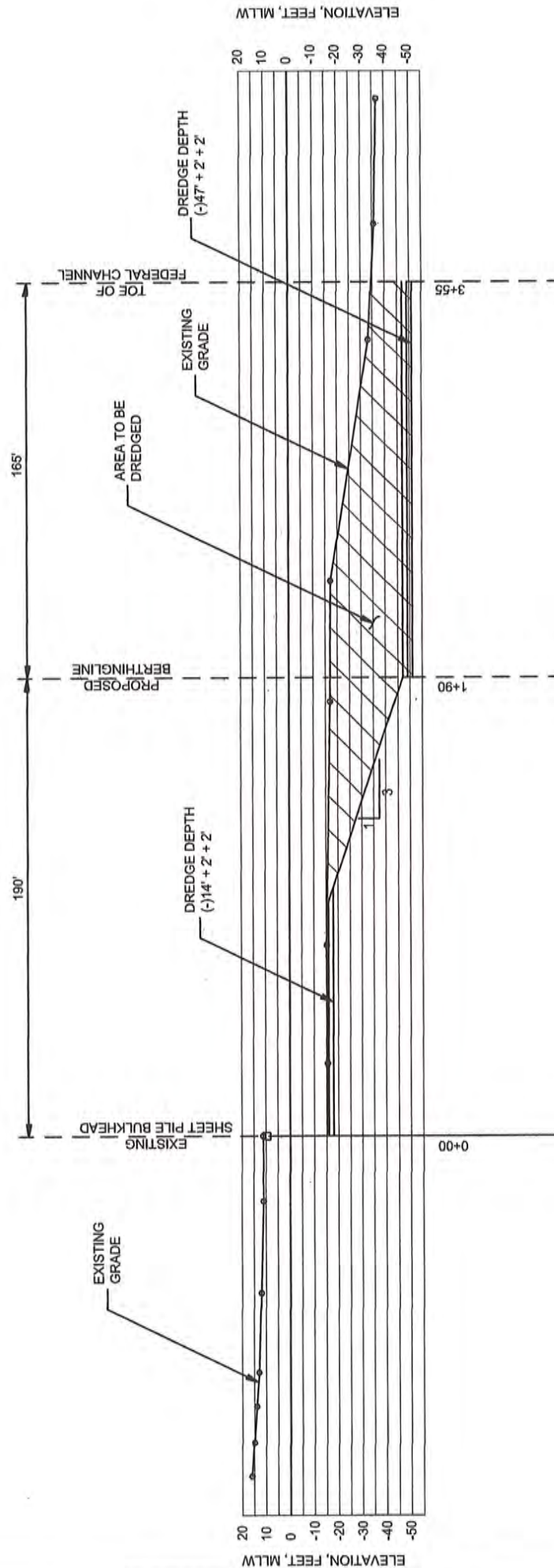
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FIGURE 8 OF 15



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SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____
FIGURE 9 OF 15



CROSS SECTION A-A (LD-1)

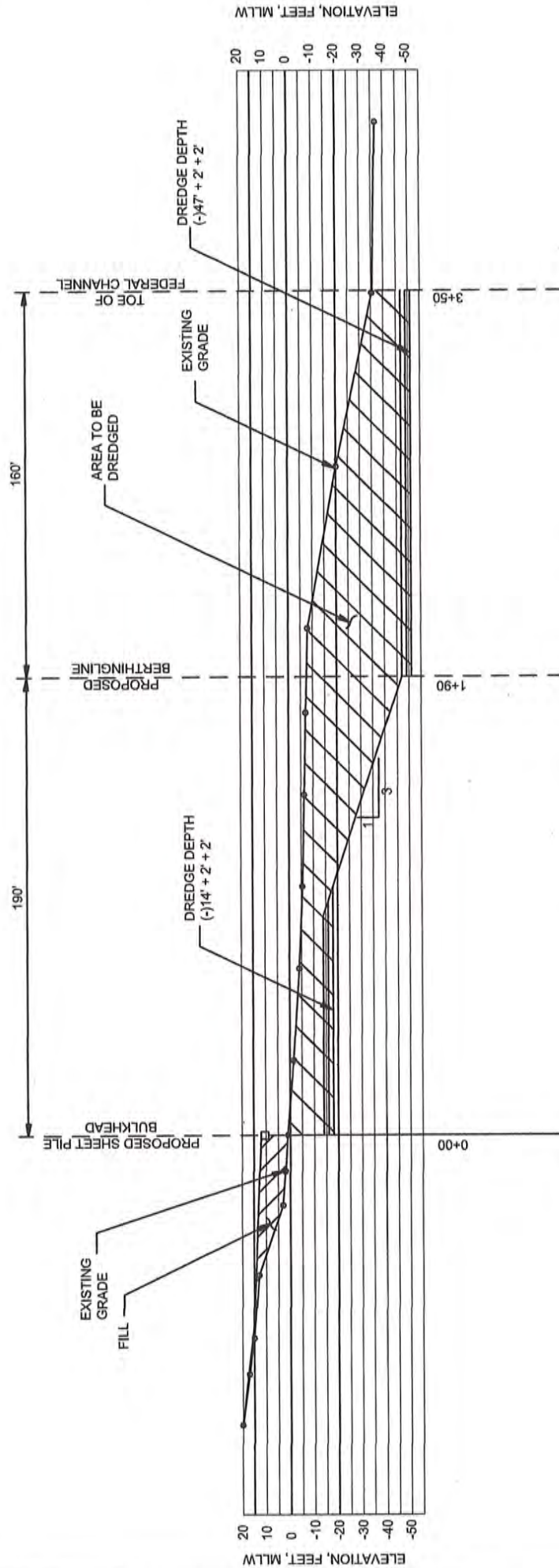
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DREDGING CROSS SECTION A-A (LD-1)

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXASPERMIT NO. _____
FIGURE 10 OF 15



CROSS SECTION B-B (LD-2)

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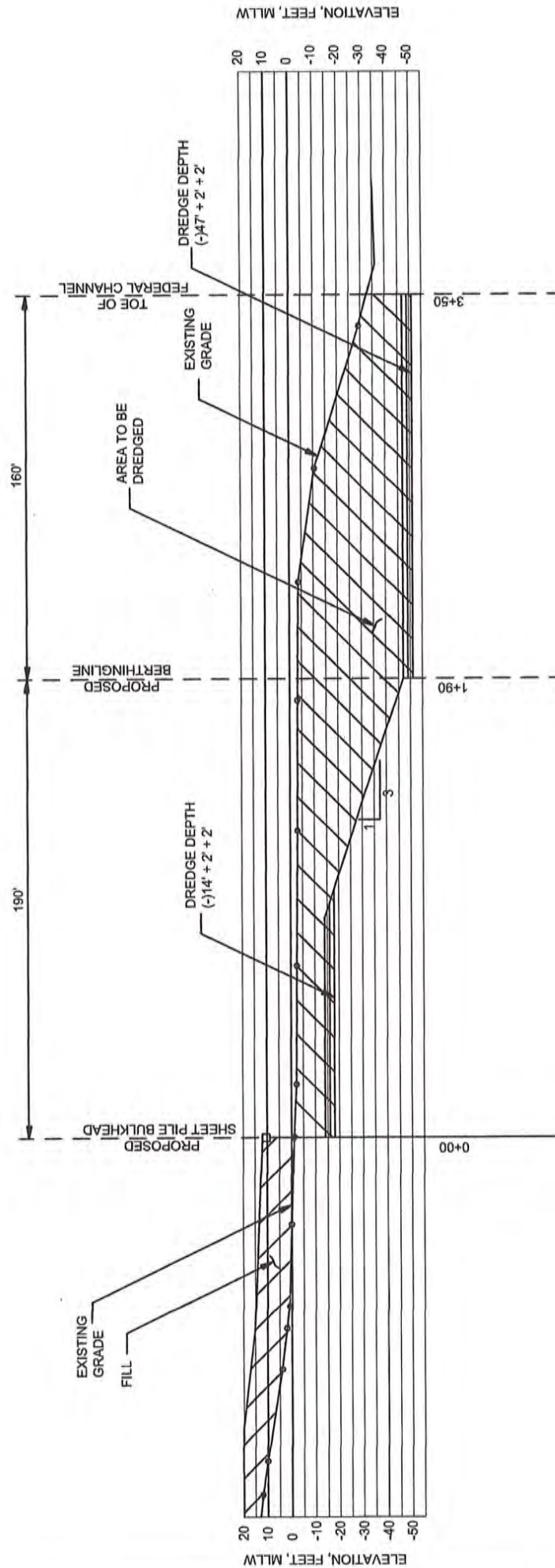


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DREDGING CROSS SECTION B-B (LD-2)

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____
FIGURE 11 OF 15



CROSS SECTION C-C (LD-3)

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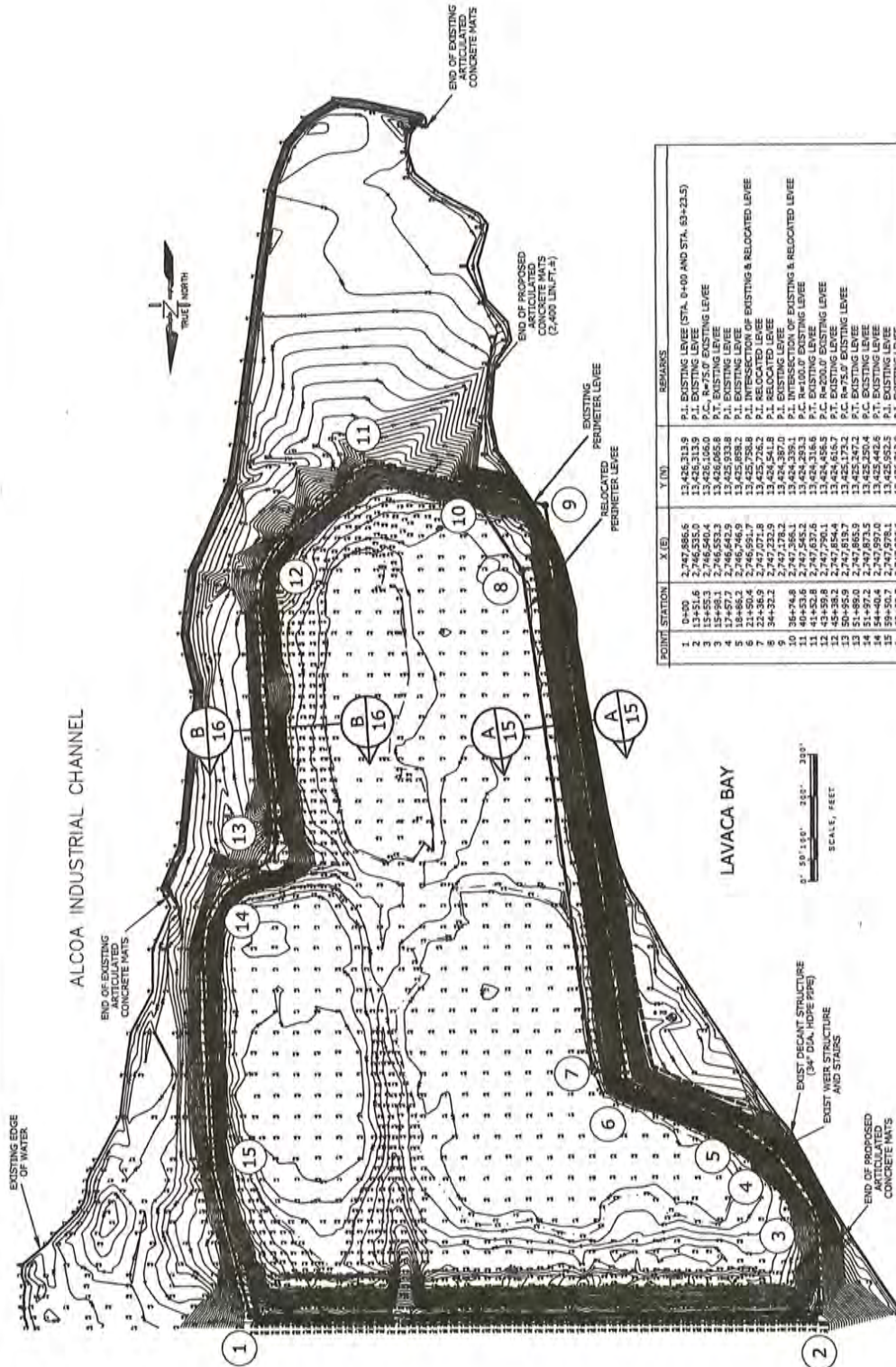


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DREDGING CROSS SECTION C-C (LD-3)

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____
FIGURE 12 OF 15



POINT	STATION	X (E)	Y (N)	REMARKS
1	0+00	2,747,886.6	13,426,313.9	P.I. EXISTING LEVEE (STA. 0+00 AND STA. 63+23.5)
2	13+51.6	2,746,535.0	13,426,313.9	P.I. EXISTING LEVEE
3	13+55.3	2,746,540.4	13,426,106.0	P.C. R=75.0' EXISTING LEVEE
4	17+57.7	2,746,642.9	13,426,933.8	P.T. EXISTING LEVEE
5	18+86.2	2,746,746.9	13,425,858.2	P.I. EXISTING LEVEE
6	21+50.4	2,746,691.7	13,425,758.3	P.I. INTERSECTION OF EXISTING & RELOCATED LEVEE
7	24+50.4	2,747,178.2	13,426,541.8	P.I. EXISTING LEVEE
8	34+32.2	2,747,332.9	13,424,387.0	P.I. EXISTING LEVEE
9	36+74.8	2,747,586.1	13,424,387.0	P.I. INTERSECTION OF EXISTING & RELOCATED LEVEE
10	41+52.8	2,747,632.6	13,424,316.6	P.T. EXISTING LEVEE
11	43+59.8	2,747,790.1	13,424,458.9	P.C. R=200.0' EXISTING LEVEE
12	48+85.2	2,747,815.7	13,424,458.9	P.T. EXISTING LEVEE
13	51+49.0	2,747,865.9	13,425,172.2	P.C. R=75.0' EXISTING LEVEE
14	51+49.2	2,747,873.5	13,425,250.4	P.T. EXISTING LEVEE
15	59+50.5	2,747,576.1	13,425,952.5	P.I. EXISTING LEVEE
16	63+23.5	2,747,886.6	13,426,313.9	P.I. EXISTING LEVEE

VERTICAL DATUM: MLLW
HORIZONTAL DATUM: NAD83

DMPA 1 PLAN VIEW

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____
FIGURE 13 OF 15

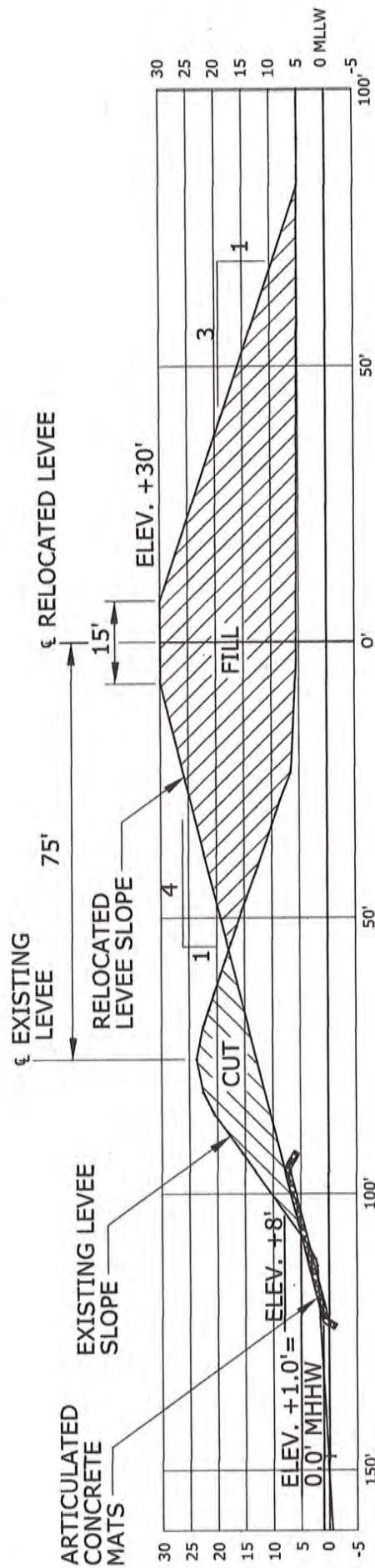
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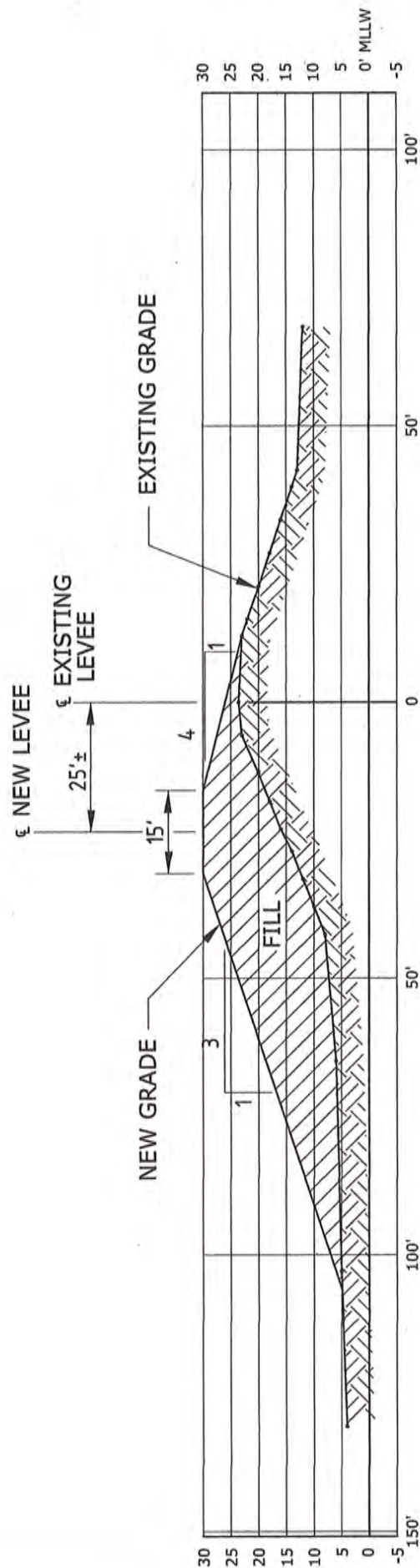
DMPA-1 CROSS SECTION A-A (STA. 21+50.4 TO STA. 36+74.8)

DMPA-1 LEVEE RELOCATION
CROSS SECTION A-A
SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS
PERMIT NO. _____
FIGURE 14 OF 15



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DMPA-1 PERIMETER LEVEE CROSS SECTION B-B

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DMPA-1 PERIMETER

LEVEE CROSS SECTION B-B

SOUTH PENINSULA DEVELOPMENT
CALHOUN COUNTY, TEXAS

PERMIT NO. _____

FIGURE 15 OF 15

Revised Proposed Impact Map

Proposed South Peninsula Development

Calhoun Port Authority

Calhoun County, Texas

Notes:

- Background image obtained from TNRIS online, Calhoun County 2015.

- Prepared by Belaire Environmental, Inc., June 14, 2018 (RAM).

- For planning purposes only. Not for construction or permitting.

4002000400

Feet

Impact Footprint	Type	Area (Ac.)	Area (Sq. ft.)
Proposed Dredging	Estuarine Wetland	0.83	36154.8
Proposed Dredging	Oysters	n/a	2
Proposed Fill Behind Bulkhead	Estuarine Wetland	0.47	20473.2
Proposed Fill for DMSA	Estuarine Wetland	11.1	483516
Total		12.4	540146

Legend

6/6/2018 Revised Proposed Impacts (Existing Wetlands)

6/6/2018 Removed Impacts (2018 Migrated Dredge Material)

Proposed Oyster Clump Impacts - Bulkhead and Dredge (2 sq. ft.)

Unchanged Proposed Impacts - Bulkhead and Dredge (Approx. 1.3 Ac.)

Submitted Proposed Impacts - DMSA (Approx. 32.1 Ac.)

Proposed Bulkhead

Proposed Footprint (Dredge Material Stockpile Area)

Proposed Footprint (Dredging)

Existing Permitted Dredge Material Placement Areas

Proposed Dredge Footprint (Approx. 2.615 Million Cubic Yards)

Proposed Bulkhead (Approx. 3,520 LF)

Proposed Bulkhead and Dredge Wetland Impacts (Approx. 1.31 Ac.)

Proposed Bulkhead and Dredge Oyster Impacts (Approx. 2 sq. ft.)

Open-Bay Placement Area No. 19

Proposed Dredge Material Stockpile Area (Approx. 61.24 Ac.)

Open-Bay Placement Area No. 18

2018 Migrated Dredge Material From Open-Bay Placement Area No. 19 (Approx. 21 Ac.)

Revised Proposed Impacts Dredge Material Stockpile Area Wetland Impacts (Approx. 11.1 Ac.)