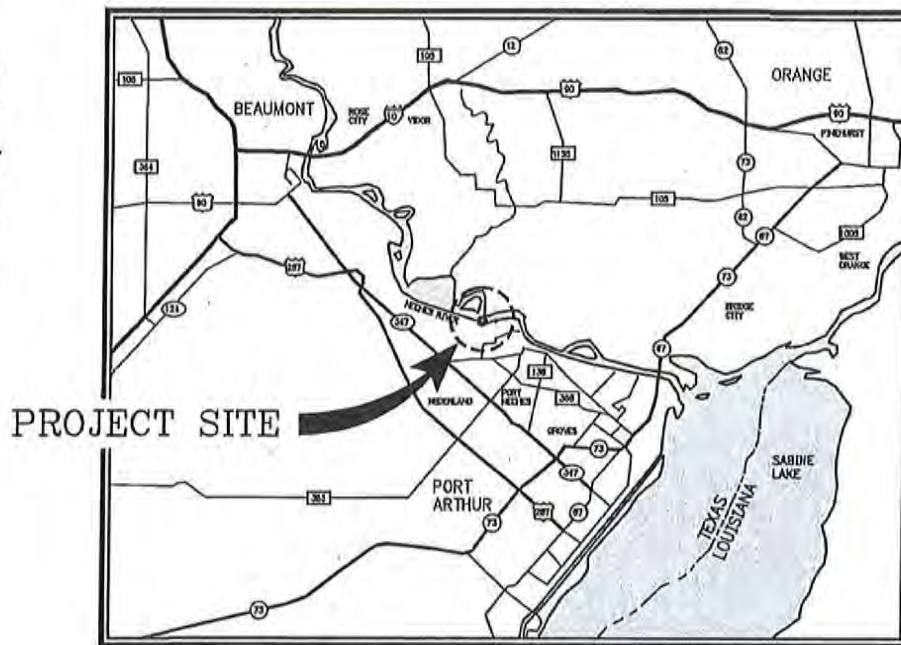


SITE LOCATION:

LAT: 30° 00' 34.30"N

LONG: 93° 59' 39.50" W



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
0

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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
VICINITY & AREA MAPS

DATE JULY '19
DESIGN _____
DRAWN NAH
CHECK BNF
JOB NO. 10973
SHEET No.
1 OF 34



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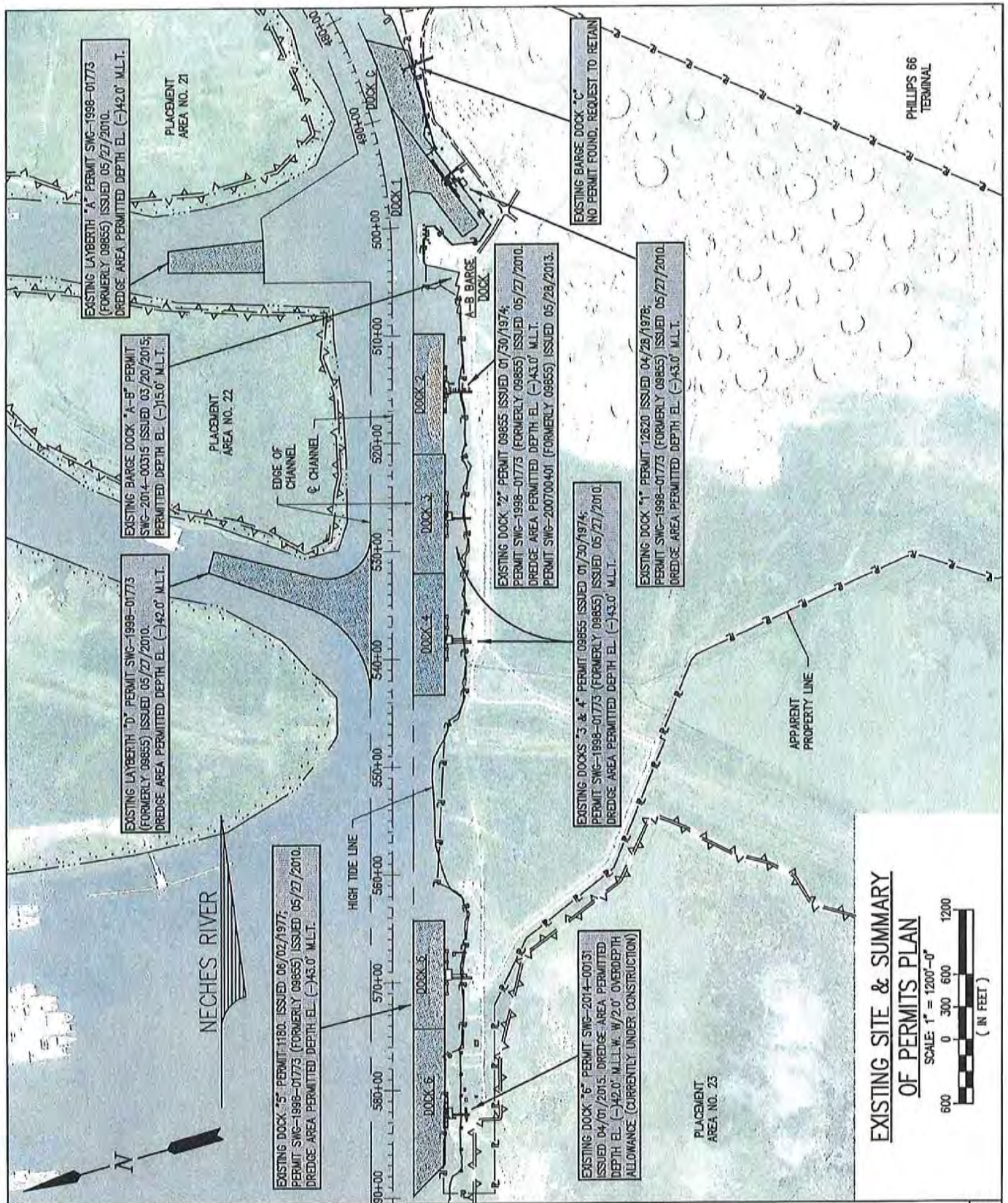
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
LOCATION MAP

DATE JULY '19
DESIGN
DRAWN NAH
CHECK BNF
JOB NO. 10973
SHEET No.
2 OF 34

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P02.DWG

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P03.DWG



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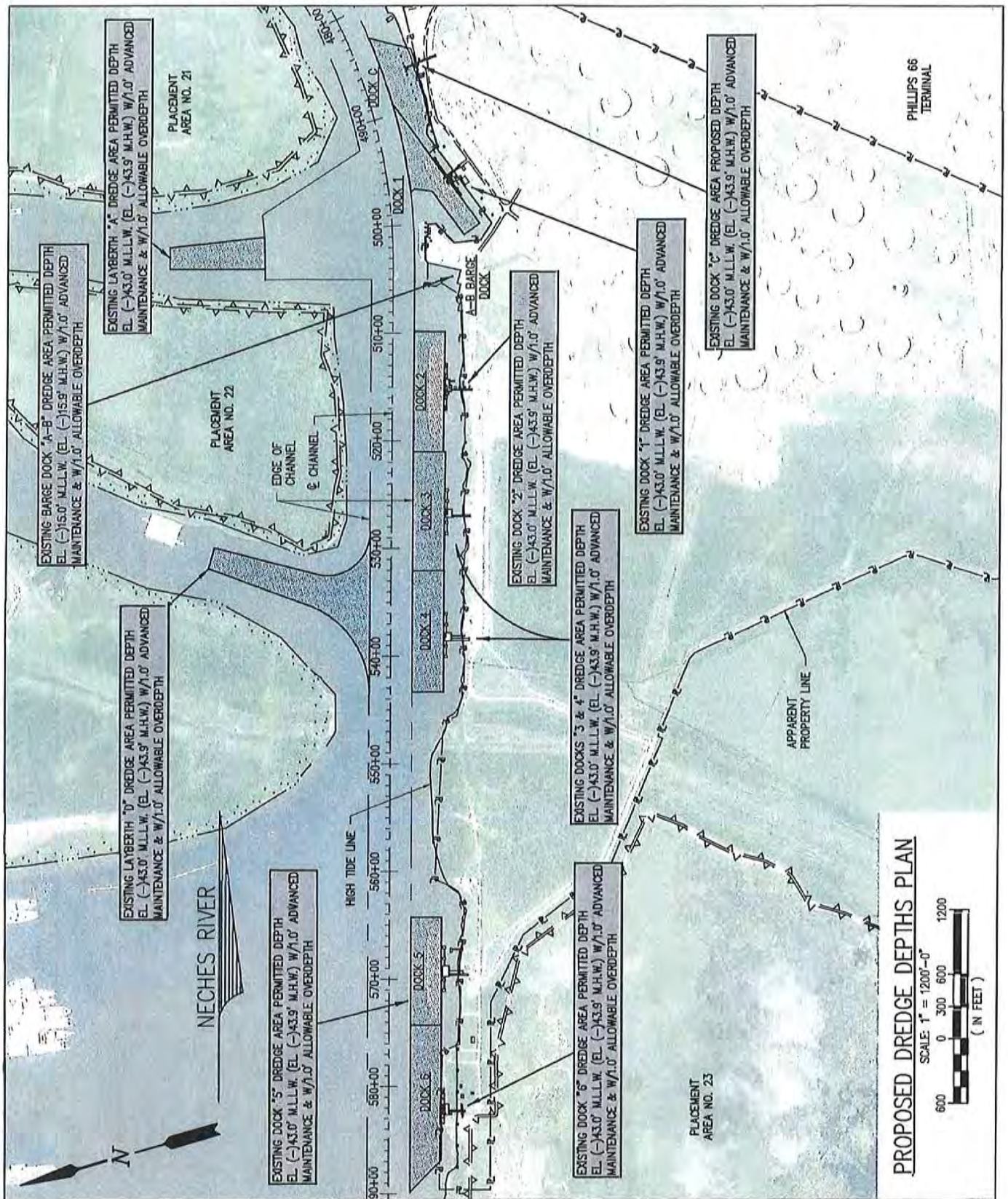
SWG-2007-01401

ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
EXISTING SITE & SUMMARY OF PERMITS PLAN

DATE JULY '19
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10973
SHEET No.
3 OF 34

REV
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J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P04.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY



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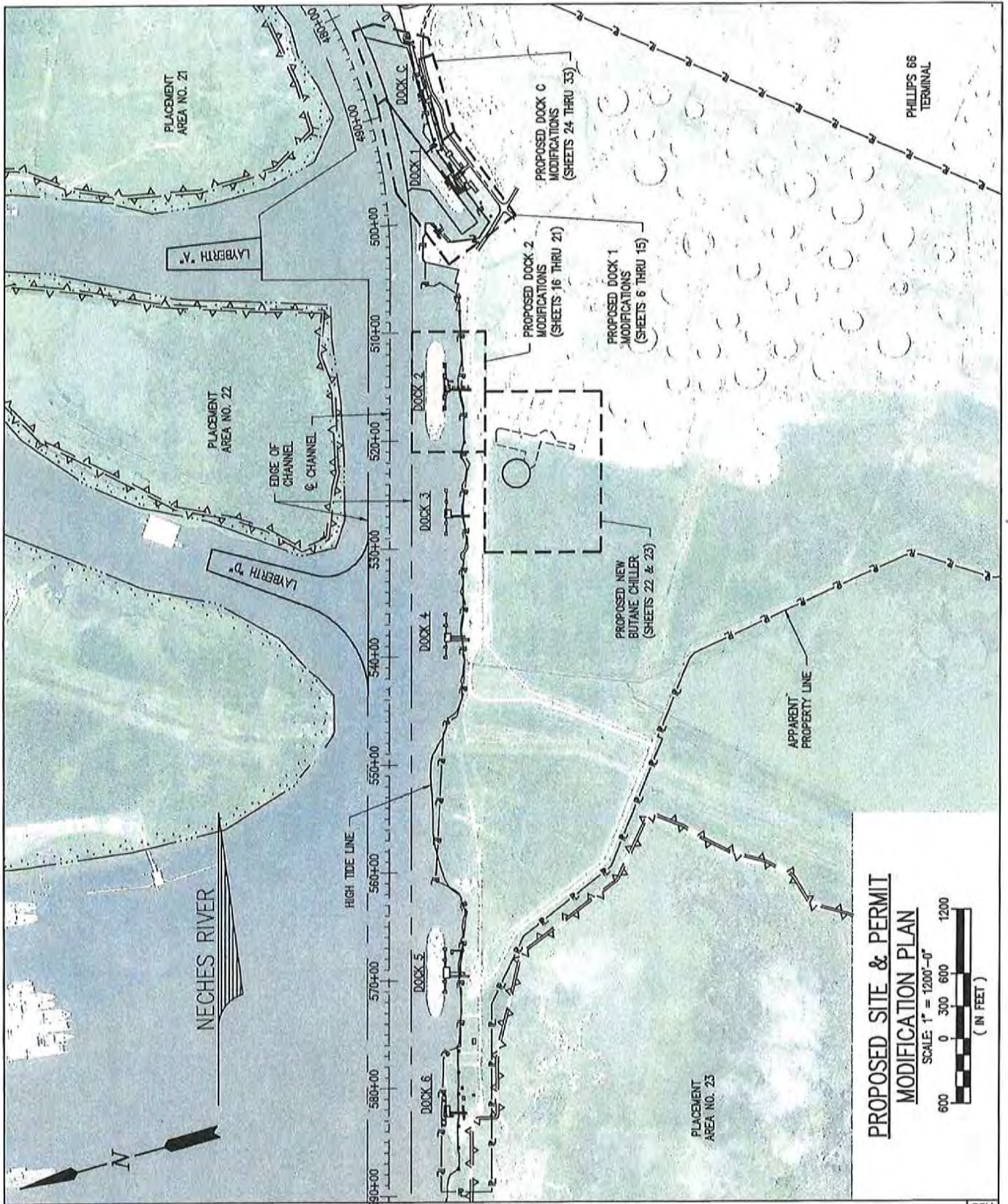
LA: C-1120 TX: F-2981
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
PROPOSED DREDGE DEPTHS PLAN

DATE: JULY '19
DESIGN: NAH
DRAWN: BNF
CHECK: BNF
JOB NO: 10973
SHEET No: 4 OF 34

L:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BRIFICATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P05.DWG



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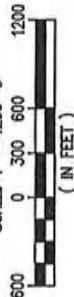
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST

PROPOSED SITE & PERMIT MODIFICATION PLAN

DATE	JULY '19
DESIGN	
DRAWN	NAH
CHECK	BNF
JOB NO.	10973
SHEET No.	5 OF 34

PROPOSED SITE & PERMIT MODIFICATION PLAN

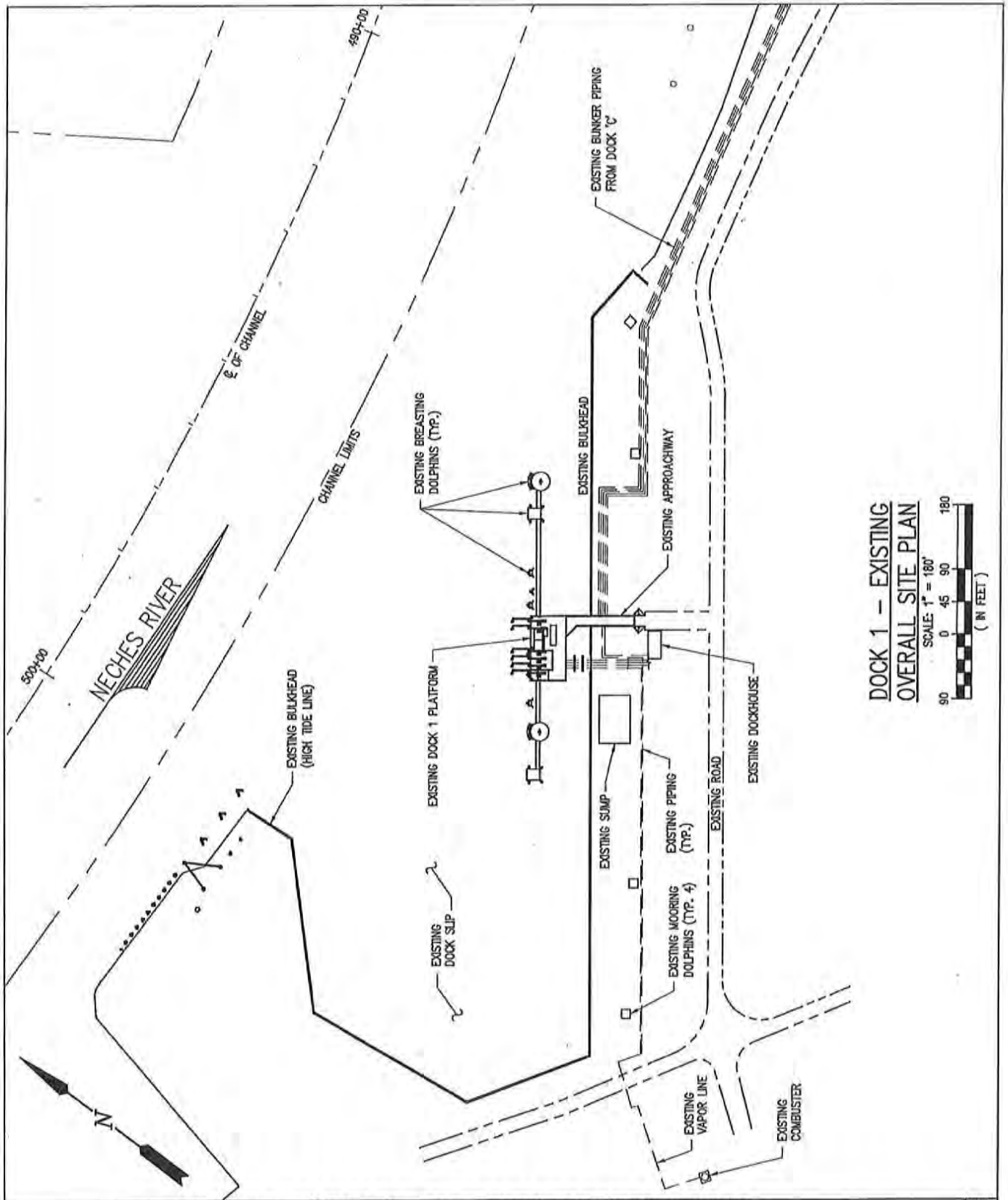
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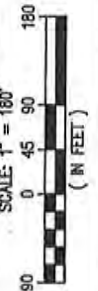
(IN FEET)

REV 0

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P06.DWG



**DOCK 1 - EXISTING
OVERALL SITE PLAN**



PRELIMINARY - FOR PERMIT PURPOSES ONLY

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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - EXISTING OVERALL SITE PLAN

DATE	JULY '19
DESIGN	
DRAWN	NAH
CHECK	BNF
JOB NO.	10973
SHEET No.	6 OF 34



**NOTE: ALL COORDINATES SHOWN ARE
NAD83 TX-SC (FIPS 4204)**

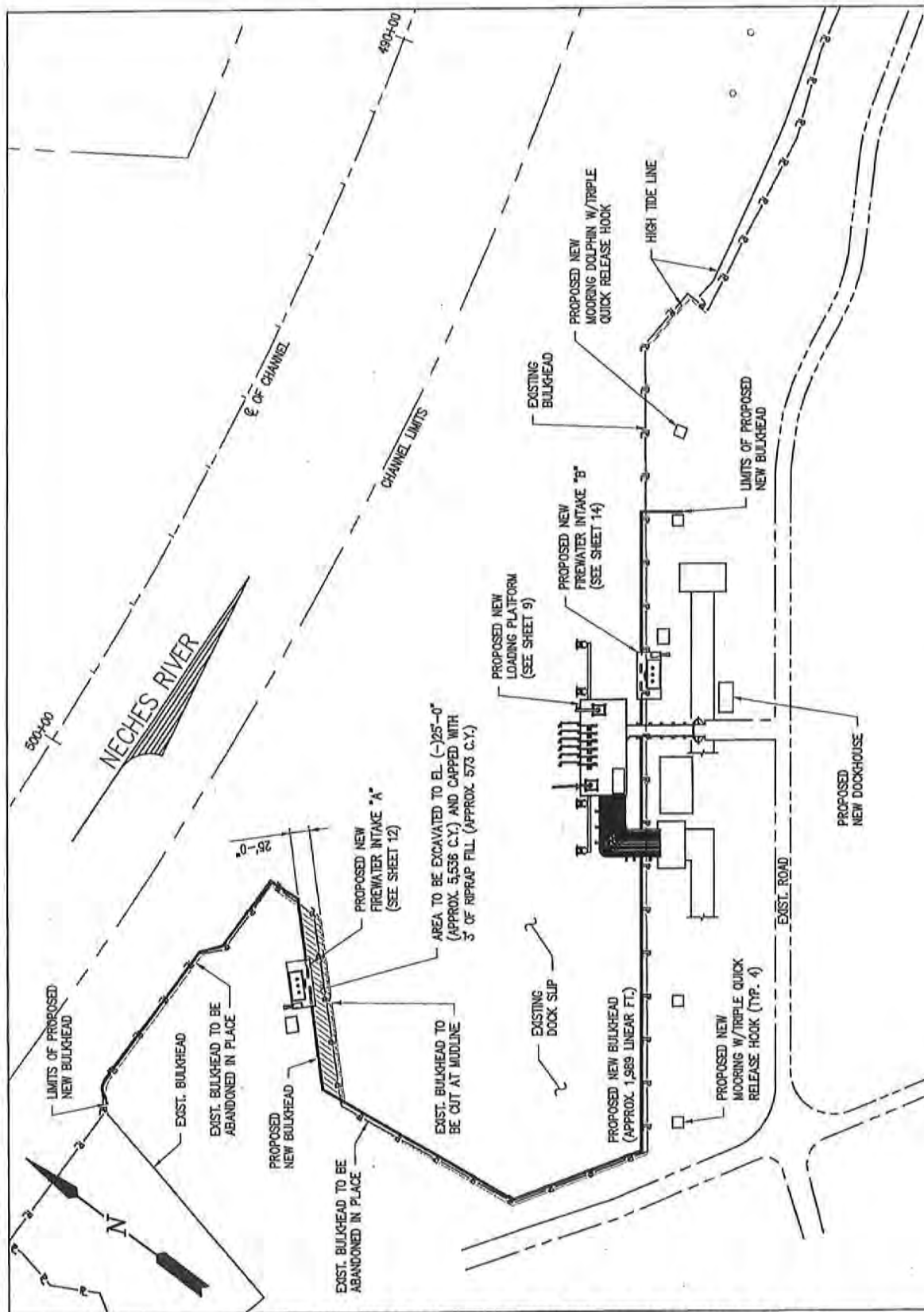
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PRELIMINARY - FOR PERMIT PURPOSES ONLY

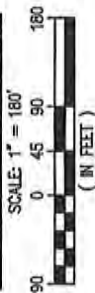
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 LANIER & ASSOCIATES CONSULTING ENGINEERS INCORPORATED LA: C-1120 TX: F-2981 NEW ORLEANS, LA • BEAUMONT, TX	SUNOCO PARTNERS MARKETING & TERMINALS L.P. NEDERLAND TEXAS SWG-2007-01401 ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST DOCK 1 - DEMOLITION SITE PLAN	DATE <u>JULY '19</u> DESIGN _____ DRAWN <u>NAH</u> CHECK <u>BNF</u> JOB NO <u>10973</u> SHEET No. _____ 7 OF 34
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4:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-PUB.DWG



DOCK 1 - PROPOSED
OVERALL SITE PLAN



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
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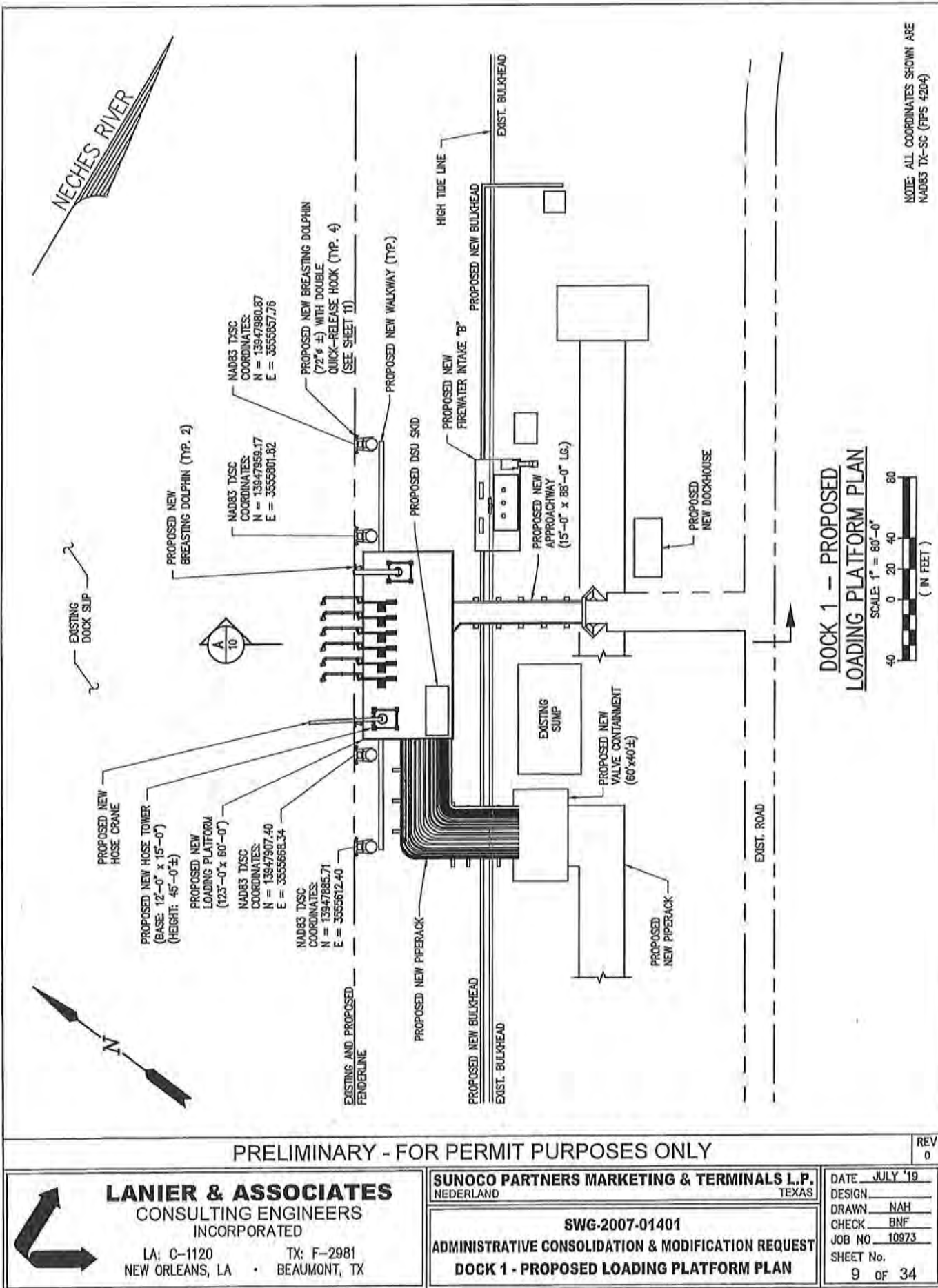
LA: C-1120 TX: F-2981
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NEDERLAND
TEXAS

SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - PROPOSED OVERALL SITE PLAN

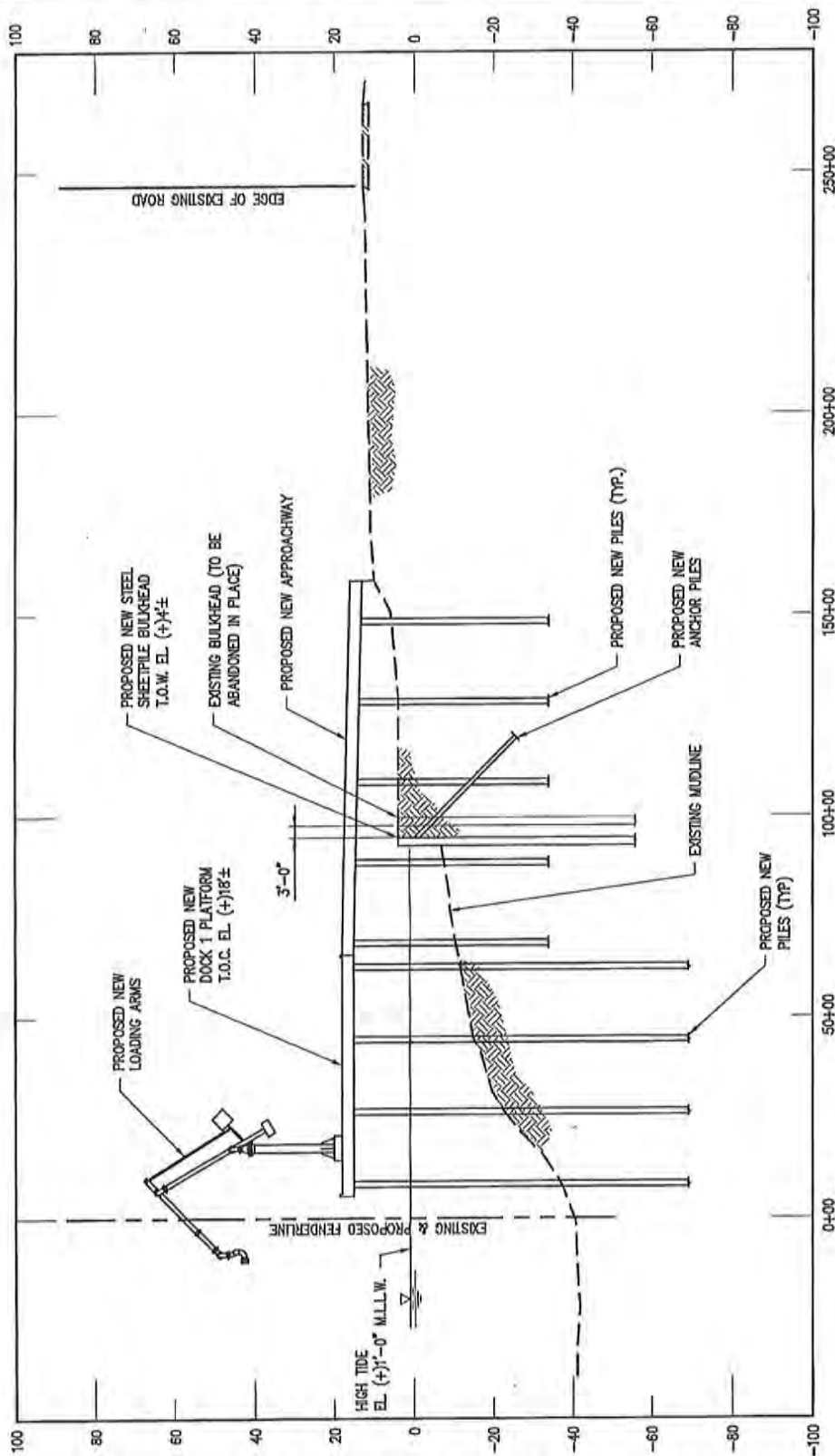
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DESIGN	
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CHECK	BNF
JOB NO.	10973
SHEET No.	8 OF 34

\\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENCDRAWINGS\PERMITS\10973-P03.DWG



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		SWG-2007-01401 ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST DOCK 1 - PROPOSED LOADING PLATFORM PLAN		DATE: JULY '19 DESIGN: NAH DRAWN: BNF CHECK: BNF JOB NO: 10973 SHEET No. 9 OF 34

4:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFICATION -- DETAILED ENG\DRAWINGS\PERMITS\10973-P10.DWG



SECTION A
SCALE: 1" = 40'

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV 0



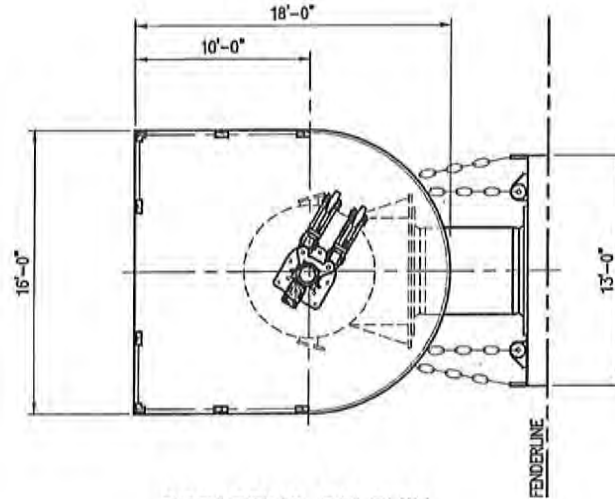
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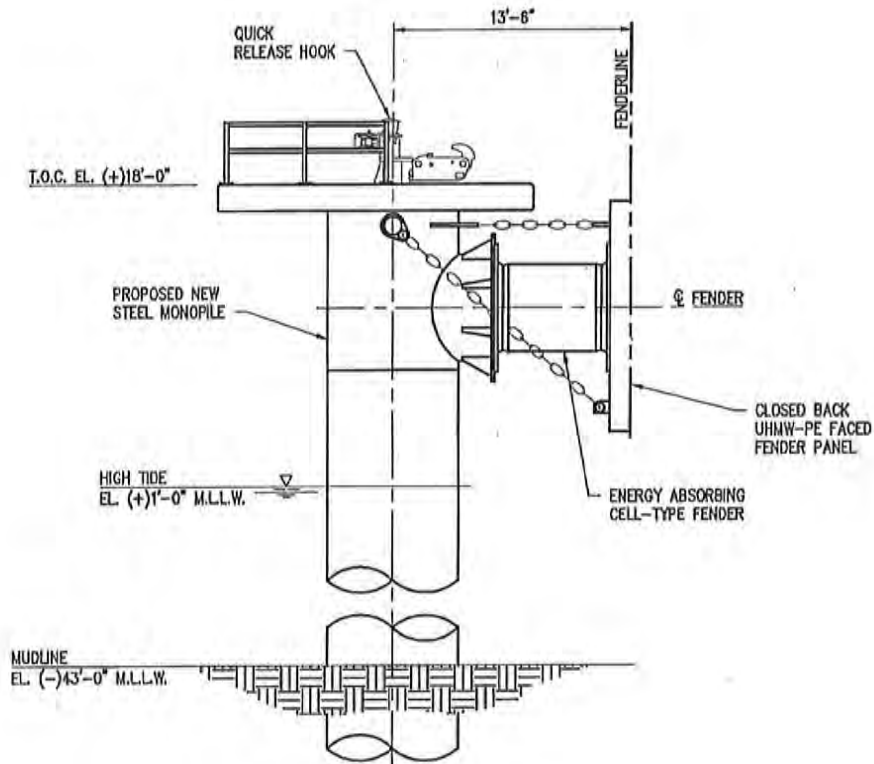
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - PROPOSED LOADING PLATFORM SECTION

DATE JULY '19
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10973
SHEET No.
10 OF 34



**BREASTING DOLPHIN
PLAN**
N.T.S.



**BREASTING DOLPHIN
ELEVATION**
N.T.S.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
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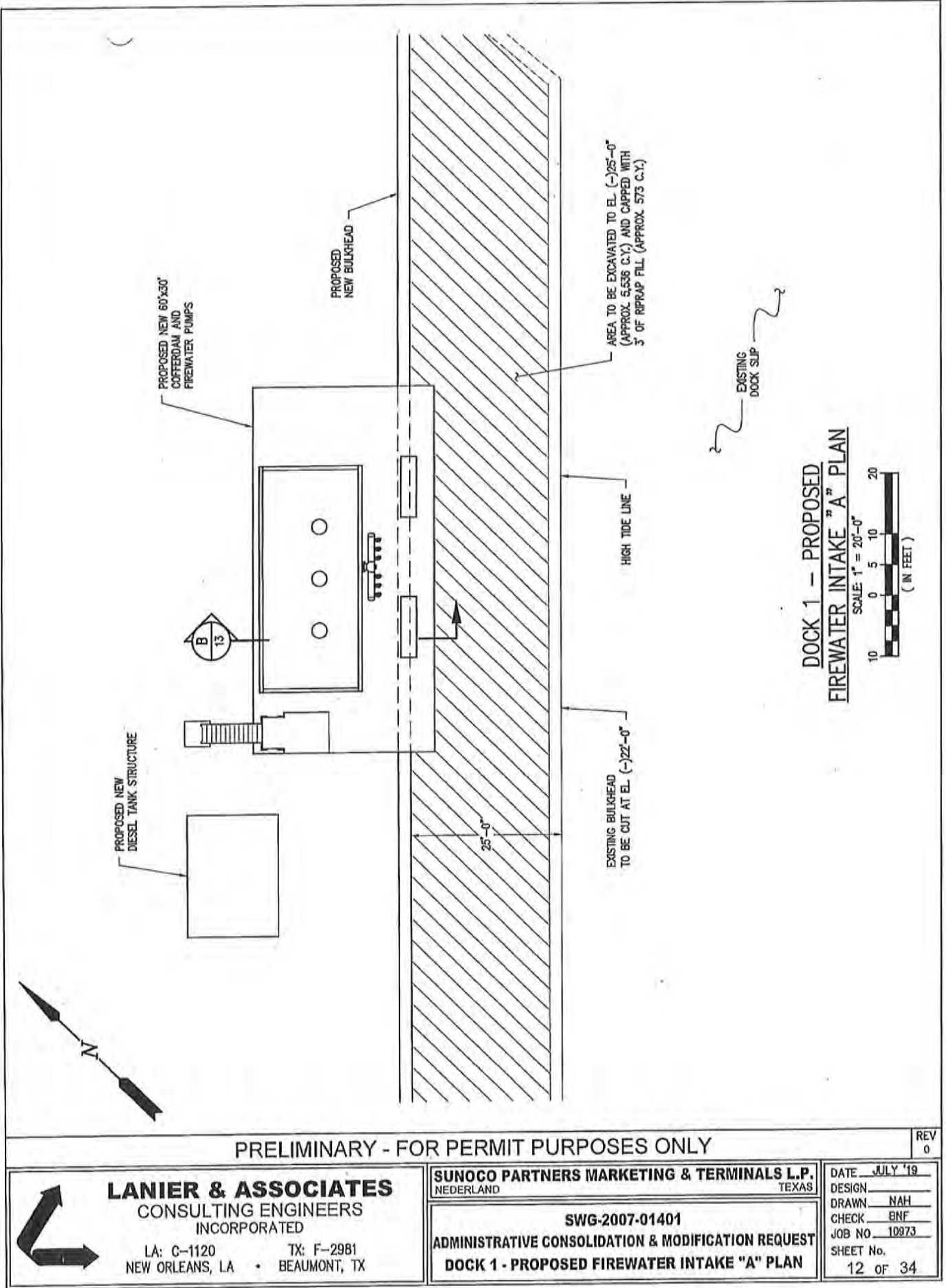
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - PROPOSED BREASTING DOLPHIN

DATE JULY '19
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10973
SHEET No.
11 OF 34

\\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BEURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P12.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY

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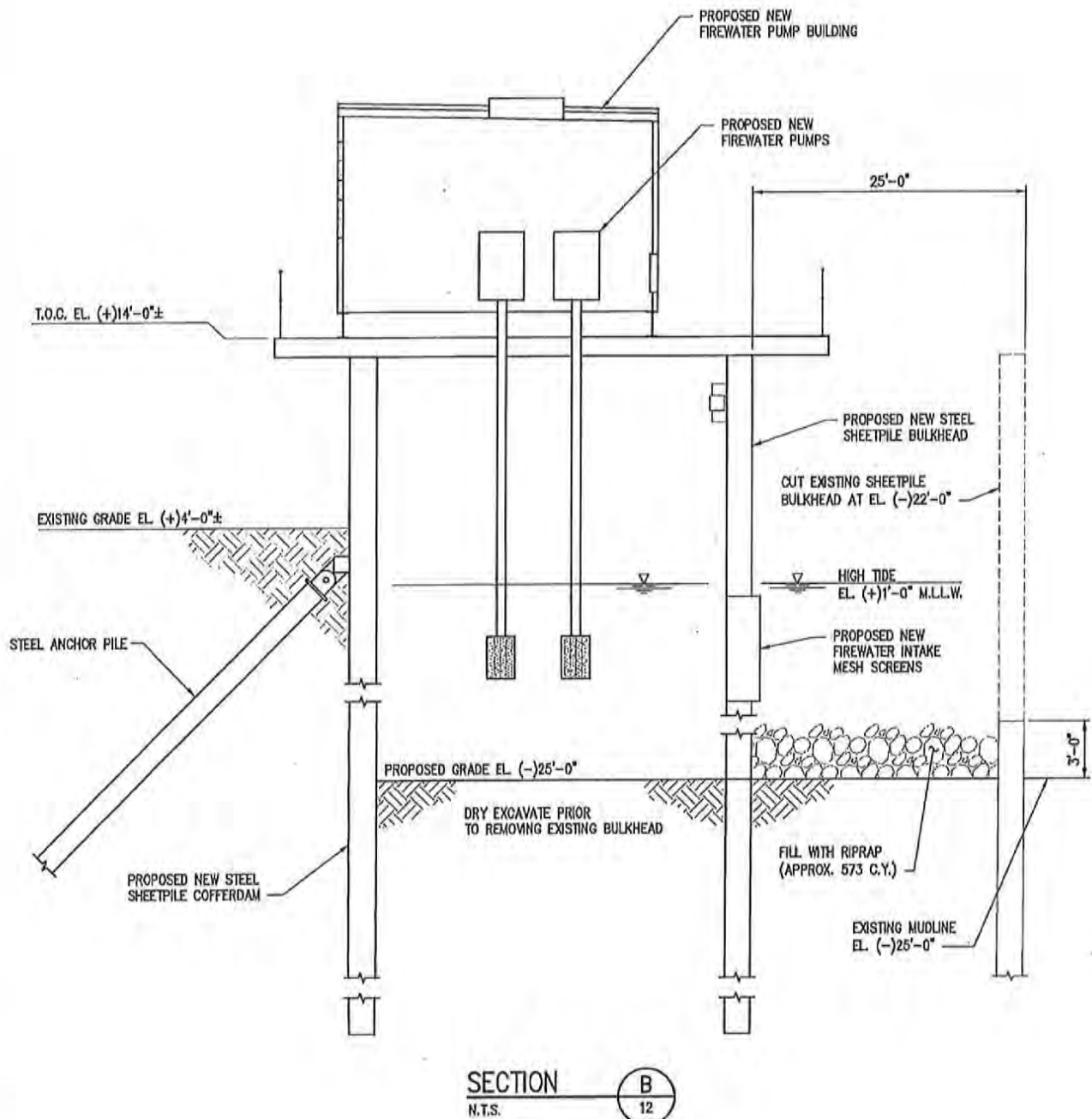
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ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - PROPOSED FIREWATER INTAKE "A" PLAN

DATE JULY '19
DESIGN
DRAWN NAH
CHECK ENF
JOB NO. 10973
SHEET No.
12 OF 34



PRELIMINARY - FOR PERMIT PURPOSES ONLY

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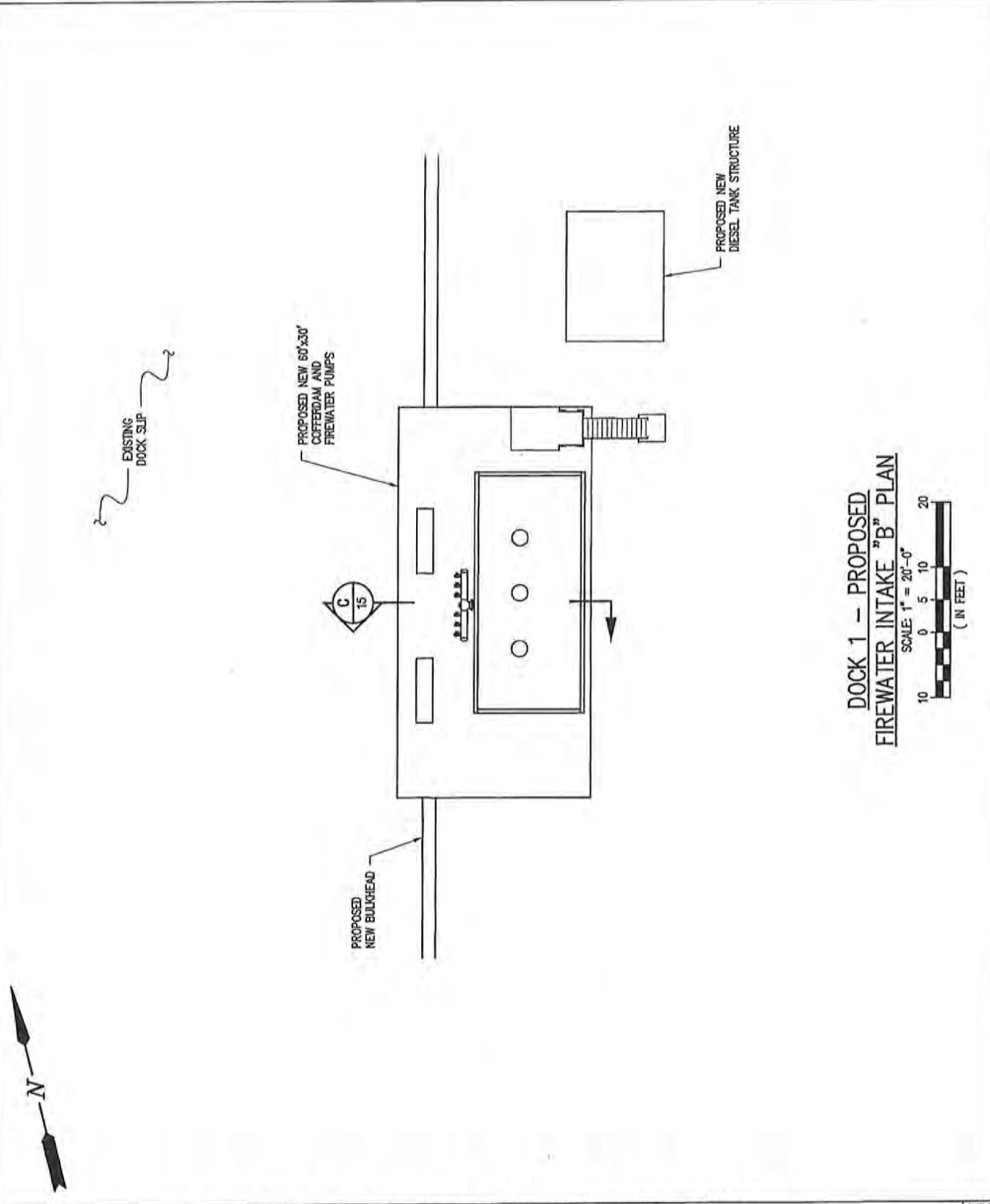
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - FIREWATER INTAKE "A" SECTION

DATE JULY '19
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10973
SHEET No.
13 of 34

\\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P13.DWG

\\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BEFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P14.DWG



DOCK 1 - PROPOSED
FIREWATER INTAKE "B" PLAN

SCALE: 1" = 20'-0"
(IN FEET)

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
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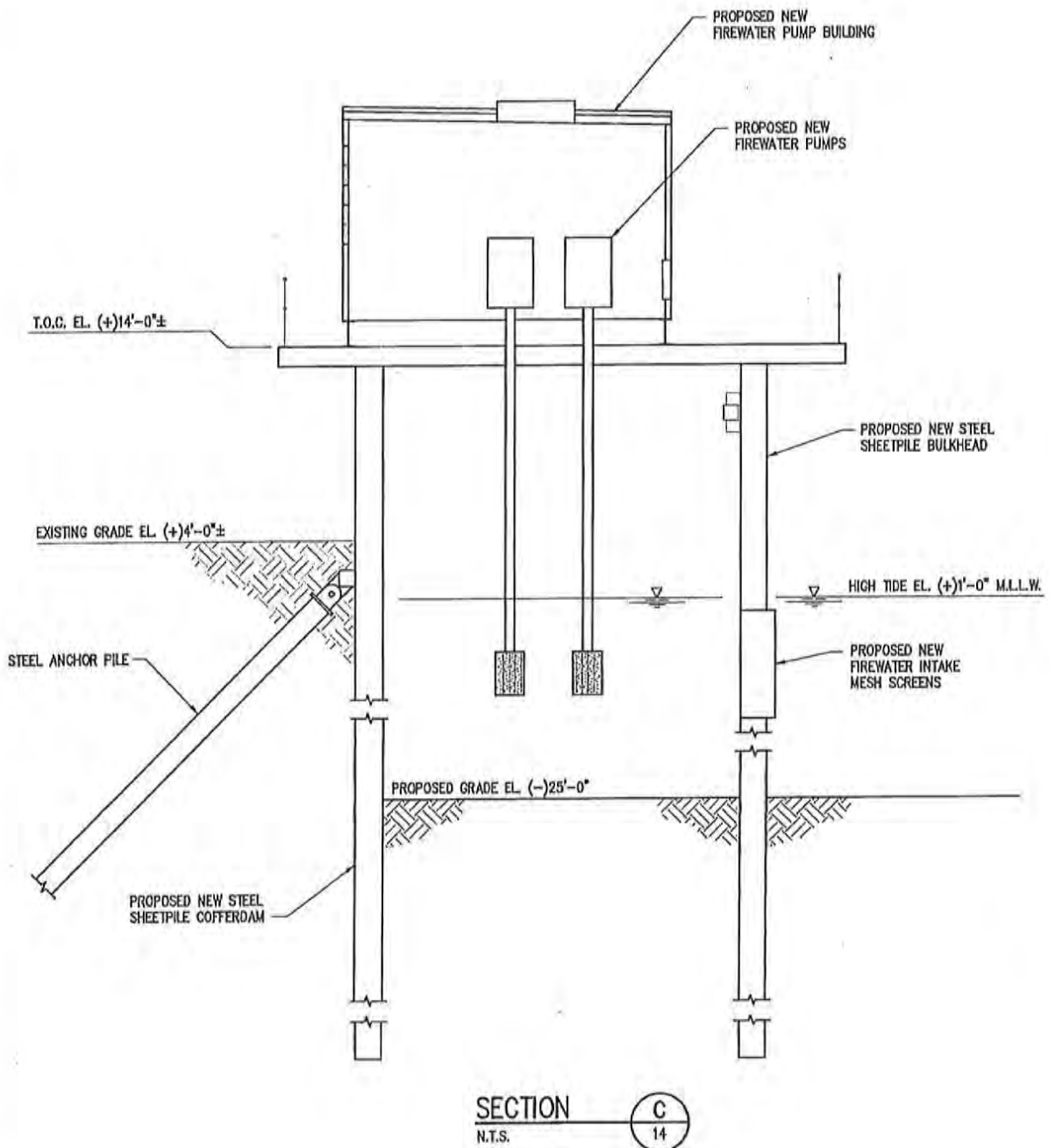
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - PROPOSED FIREWATER INTAKE "B" PLAN

DATE	JULY '19
DESIGN	
DRAWN	NAH
CHECK	BNF
JOB NO	10973
SHEET No.	14 OF 34



PRELIMINARY - FOR PERMIT PURPOSES ONLY

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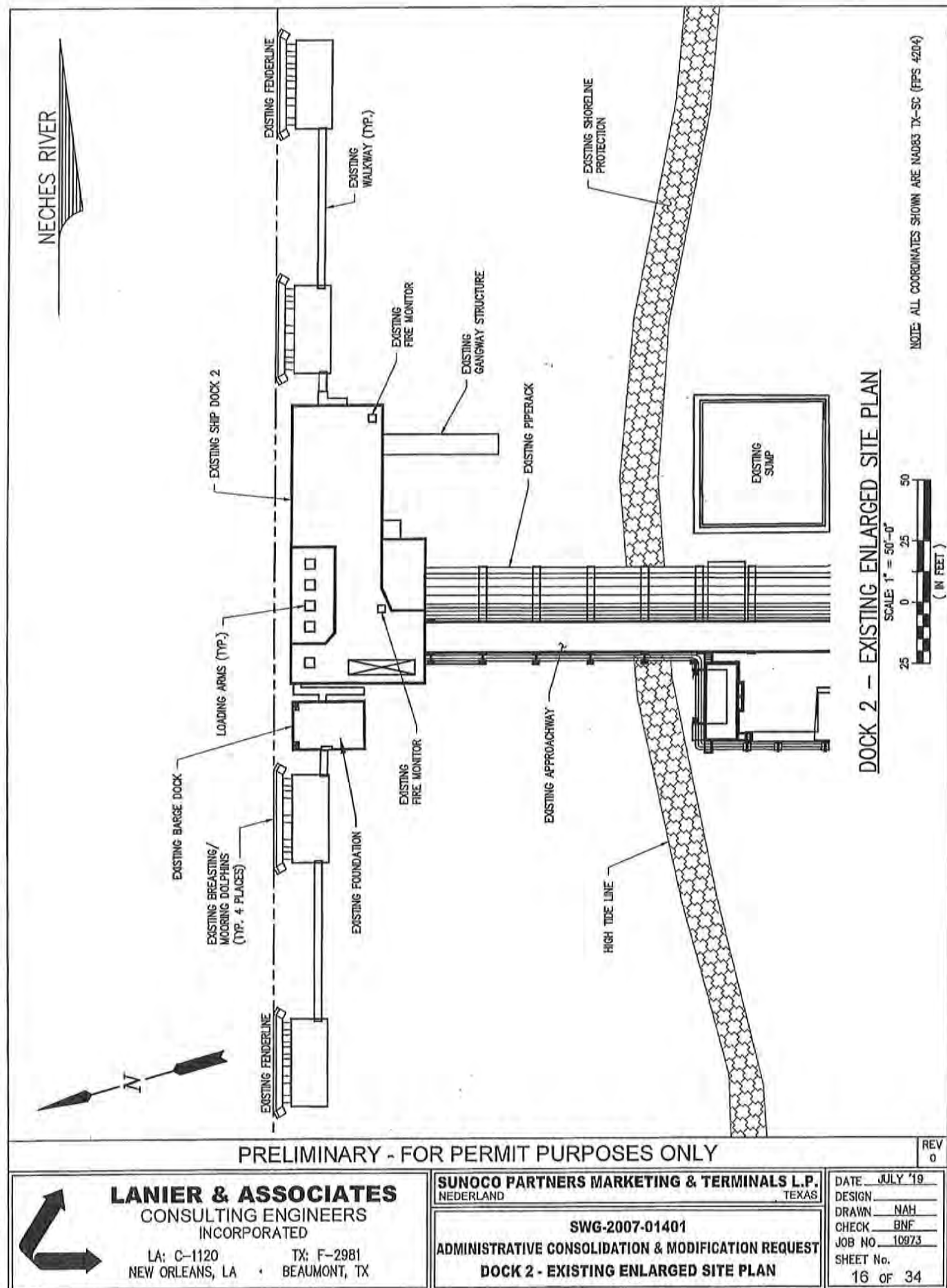
LA: C-1120 TX: F-2981
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 1 - PROPOSED FIREWATER INTAKE "B" SECTION

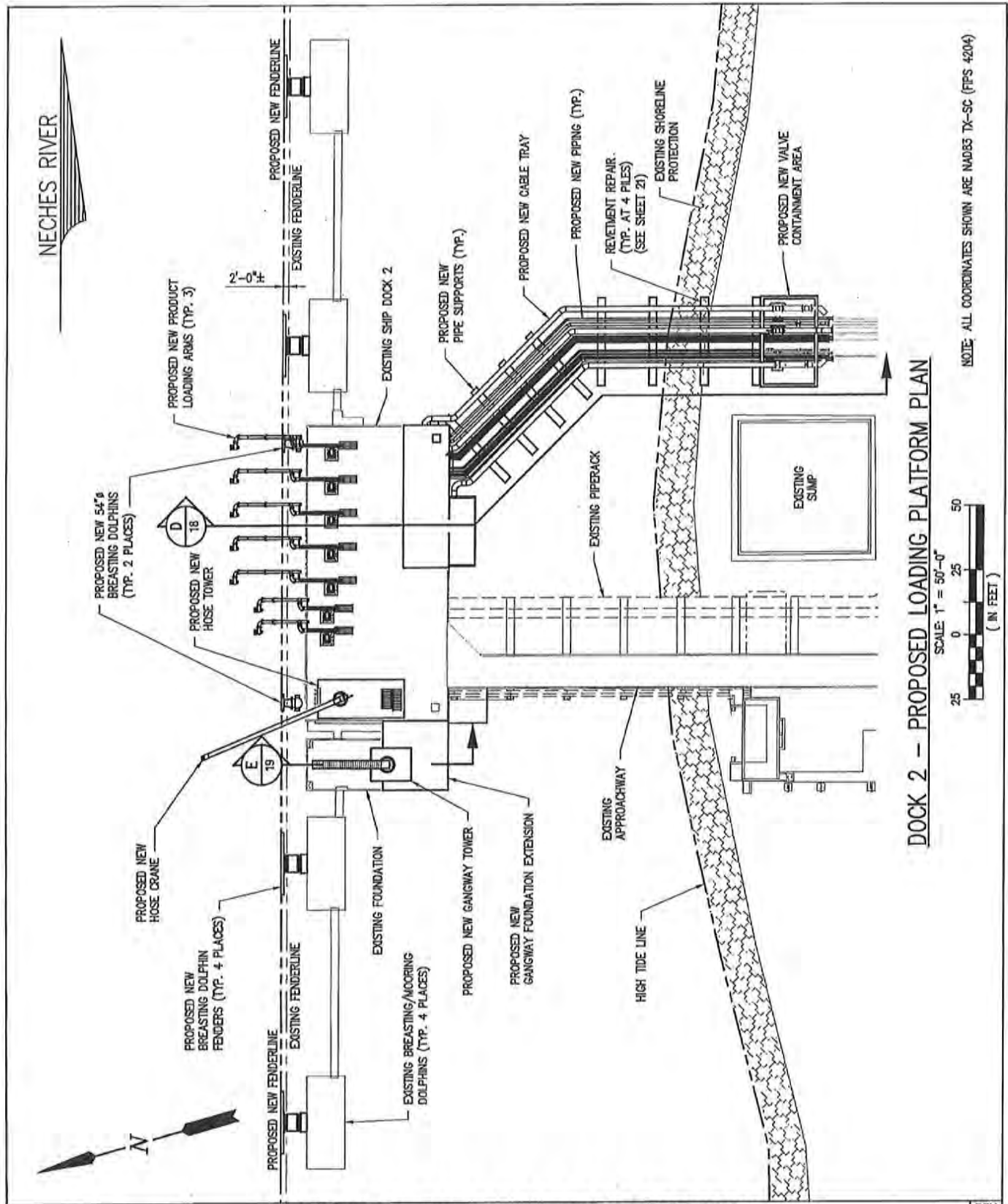
DATE JULY '19
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10973
SHEET No.
15 OF 34

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE REBURFICATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P16.DWG



NOTE: ALL COORDINATES SHOWN ARE NAD83 TX-SC (FPS 4204)

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P17.DWG



DOCK 2 - PROPOSED LOADING PLATFORM PLAN



NOTE: ALL COORDINATES SHOWN ARE NAD83 TX-SC (FIPS 4204)

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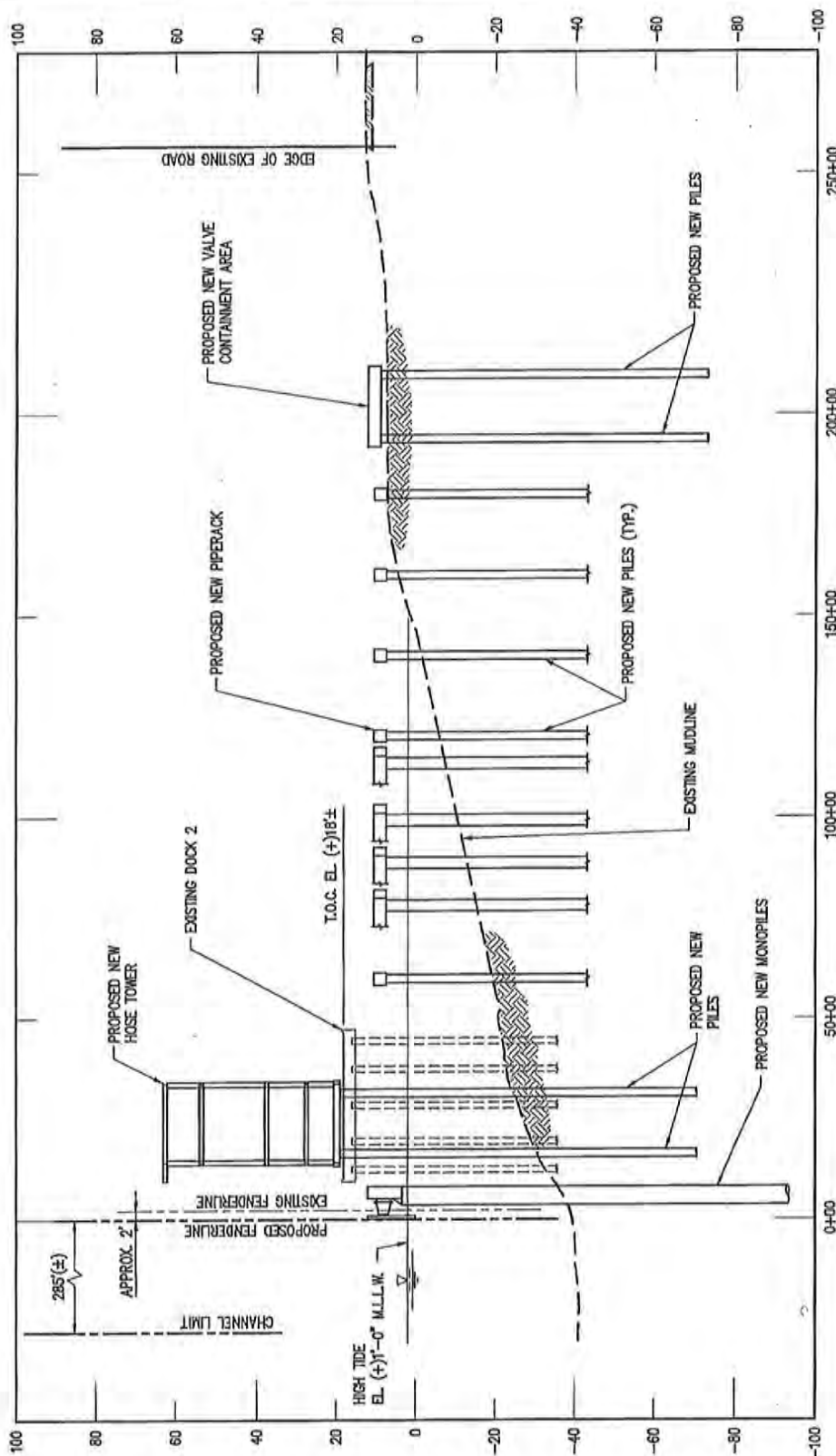
LANIER & ASSOCIATES
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 2 - PROPOSED LOADING PLATFORM PLAN

DATE	JULY '19
DESIGN	
DRAWN	NAH
CHECK	BNF
JOB NO	10973
SHEET No.	17 of 34

REV 0

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P18.DWG



SECTION D
SCALE: 1" = 40'

PRELIMINARY - FOR PERMIT PURPOSES ONLY



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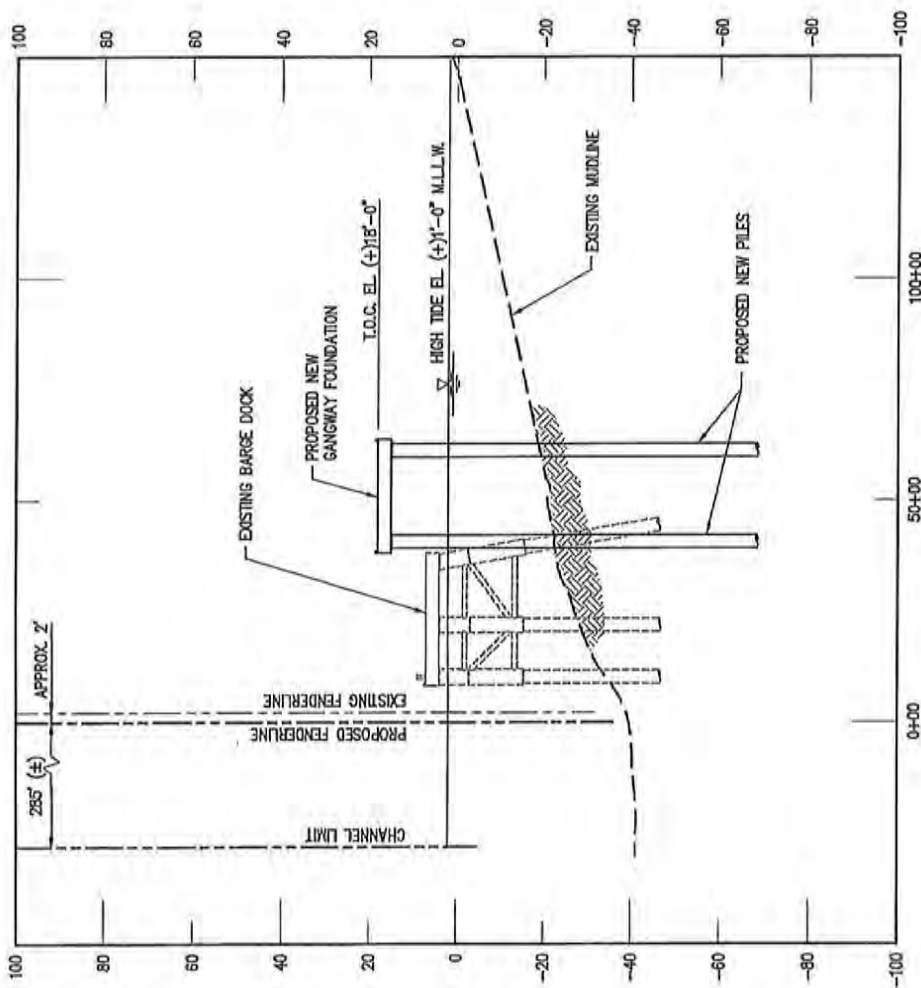
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 2 - PROPOSED LOADING PLATFORM SECTION

DATE JULY '19
DESIGN NAH
DRAWN NAH
CHECK BNF
JOB NO. 10973
SHEET No. 18 OF 34

REV 0

J:\1000S\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BEFURCATION -- DETAILED ENG\DRAWINGS\PERMITS\10973-P19.DWG



SECTION E 17
SCALE 1" = 40'

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV 0



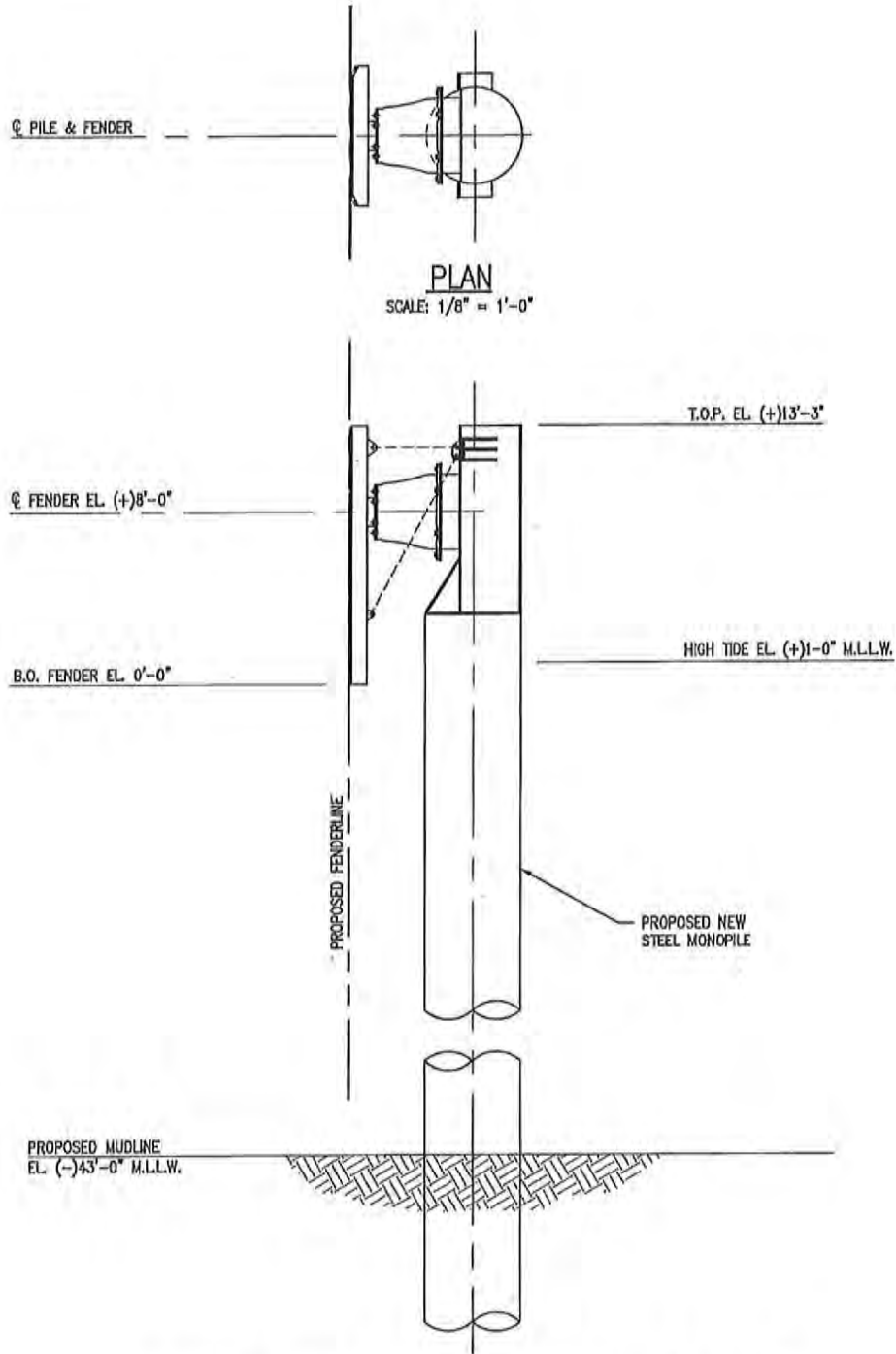
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 2 - PROPOSED GANGWAY FOUNDATION SECTION

DATE JULY '19
DESIGN
DRAWN NAH
CHECK BNF
JOB NO. 10973
SHEET No.
19 OF 34



PROPOSED NEW BREASTING DOLPHIN - ELEVATION

SCALE: 1/8" = 1'-0"

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
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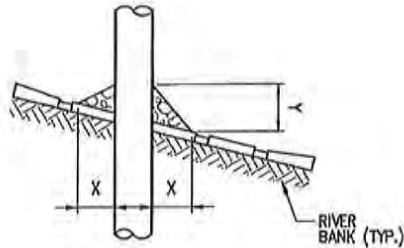
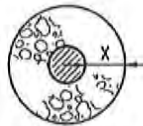
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 2 - PROPOSED BREASTING DOLPHIN

DATE JULY '19
DESIGN NAH
DRAWN NAH
CHECK BHF
JOB NO. 10973
SHEET No.
20 OF 34

ELEVATIONPLANREVTMENT REPAIR AT PILE LOCATION

DEPTH OF WATER IN FEET AT POINT OF PENETRATION AT TIME OF STONE PLACEMENT	DIMENSIONS IN FEET FOR PROTECTION AREA REQUIRED	
	PILE	
	X	Y
1 TO 10	3	1 1/2
11 TO 40	5	2
41 TO 60	8	3

NOTES:

1. SIZE OF RIPRAP TO VARY BETWEEN 6 POUNDS AND 125 POUNDS WITH 40% TO 60% OF THE STONE WITHIN THE RANGE OF 25 POUNDS TO 75 POUNDS.
2. WHEN PENETRATING UPPER BANK PAVING IN A REVTMENT AREA WITH PILES, CAISSONS AND/OR PILE CLUSTERS, A 10 INCH THICKNESS OF RIPRAP STONE SHALL BE PLACED OVER ALL AREAS WHERE BANK PAVING IS DISTURBED BY DRIVING OPERATIONS.
3. WHEN USING ANCHOR CHAIN AND BUOY SYSTEM ANCHOR CHAIN MUST BE ATTACHED AT TOP OF PILE TO MINIMIZE REVTMENT DAMAGE.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
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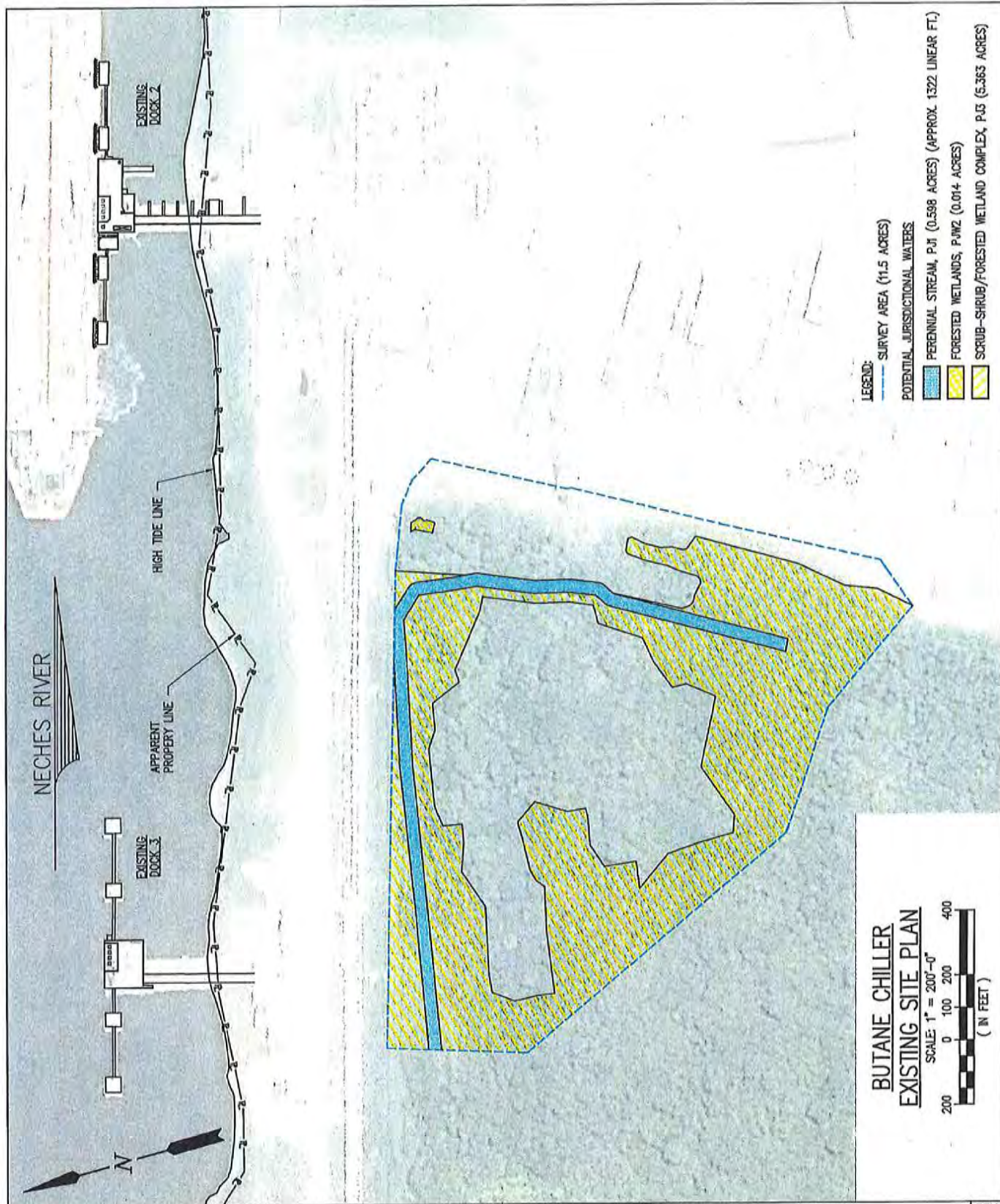
LA: C-1120 TX: F-2981
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK 2 - PROPOSED REVTMENT REPAIR

DATE JULY '19
DESIGN _____
DRAWN NAH
CHECK BNF
JOB NO. 10973
SHEET No. 21 OF 34

4:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P22.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
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CONSULTING ENGINEERS
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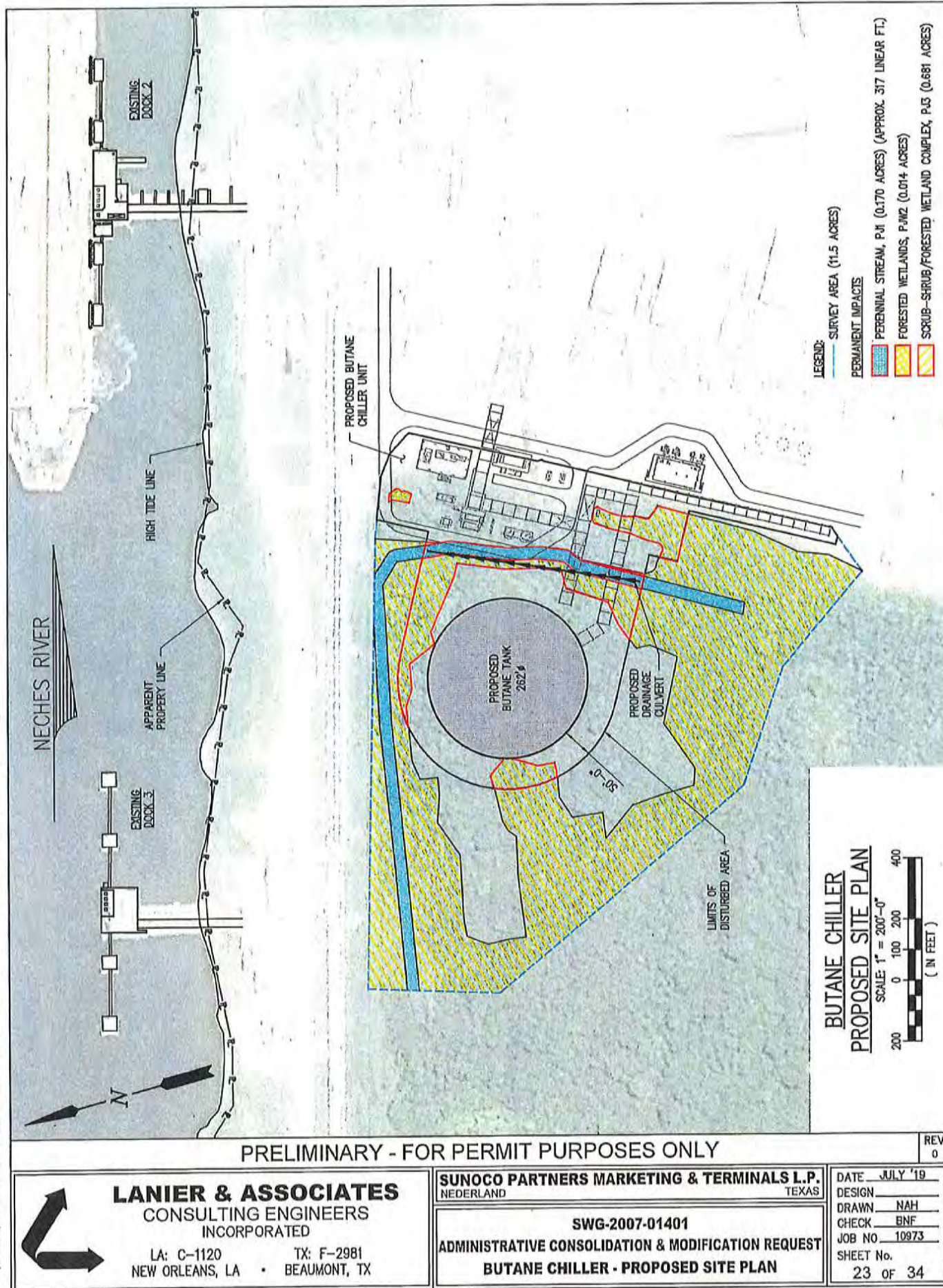
LA: C-1120 TX: F-2981
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SUNOCO PARTNERS MARKETING & TERMINALS L.P.
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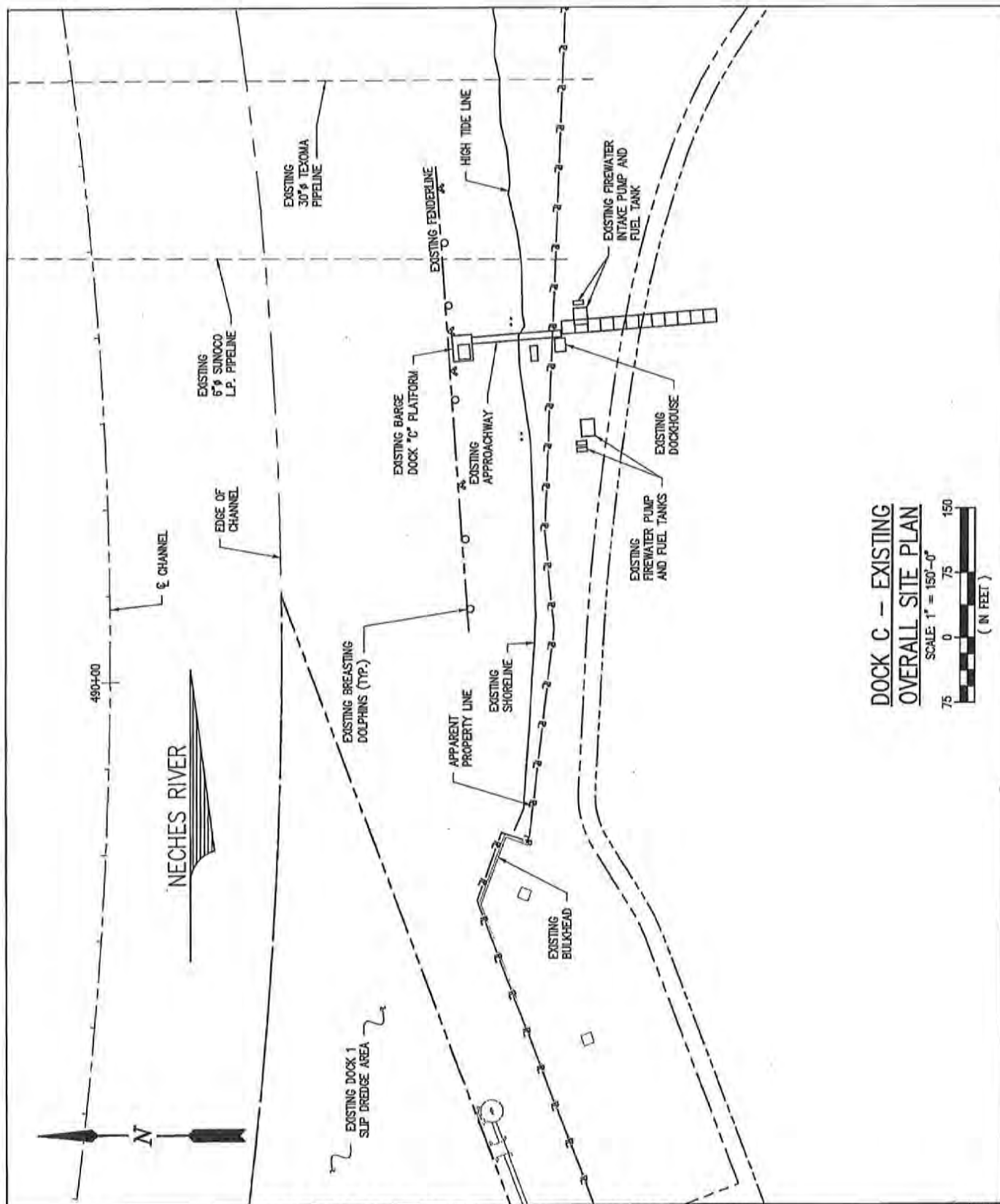
SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
BUTANE CHILLER - EXISTING SITE PLAN

DATE: JULY '19
DESIGN: _____
DRAWN: NAH
CHECK: BNF
JOB NO: 10973
SHEET No. 22 OF 34

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BEURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P23.DWG



J:\1000S\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BIFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P24.DWG



DOCK C - EXISTING
OVERALL SITE PLAN

SCALE: 1" = 150'-0"
75 0 75 150
(IN FEET)

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
0



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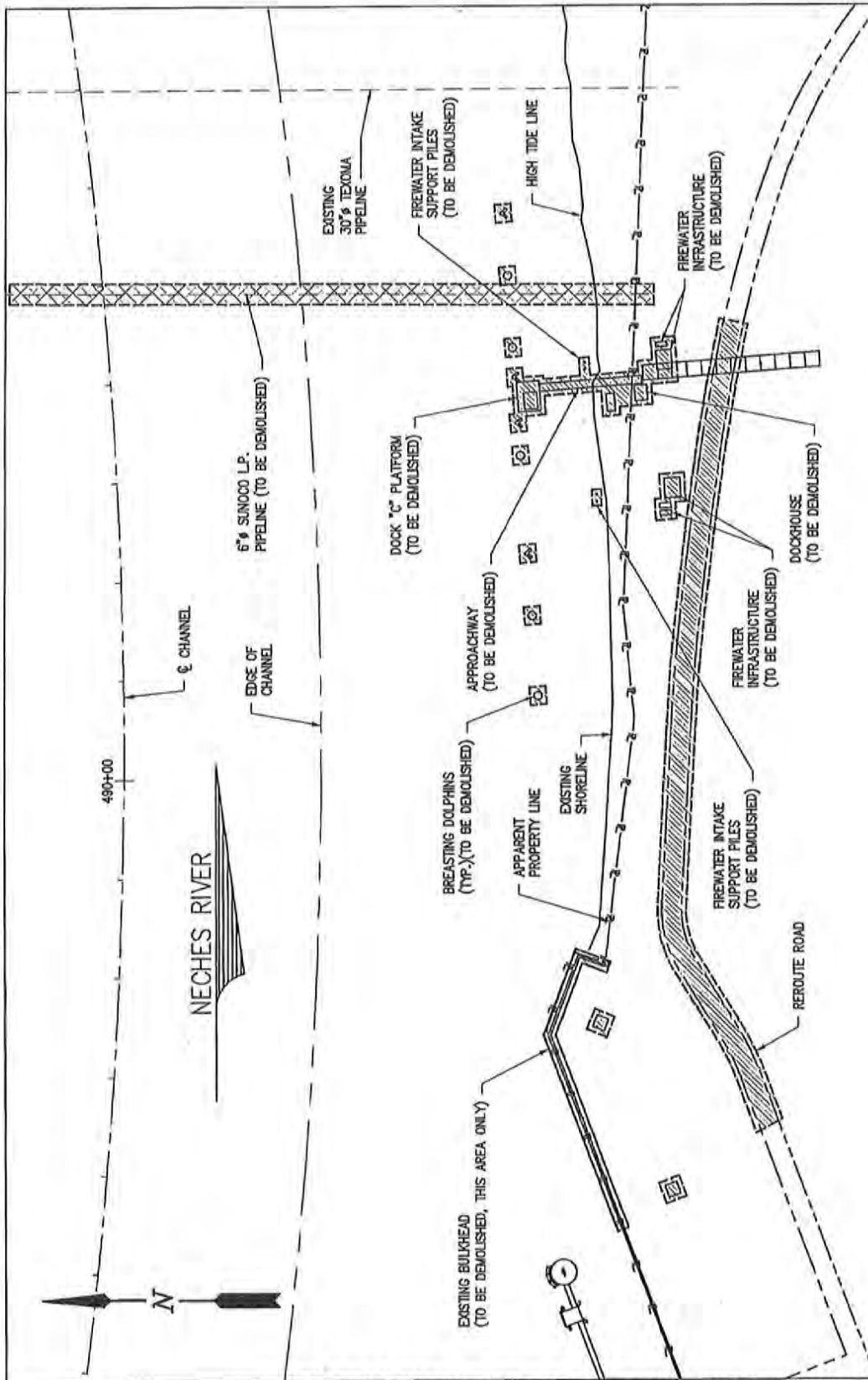
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
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SWG-2007-01401

ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK C - EXISTING OVERALL SITE PLAN

DATE	JULY '19
DESIGN	
DRAWN	NAH
CHECK	BNF
JOB NO	10973
SHEET No.	24 OF 34

J:\100005\10973 ENERGY TRANSFER PARTNERS DOCK 1 BUTANE BEFURCATION - DETAILED ENG\DRAWINGS\PERMITS\10973-P25.DWG



**DOCK C
DEMOLITION SITE PLAN**



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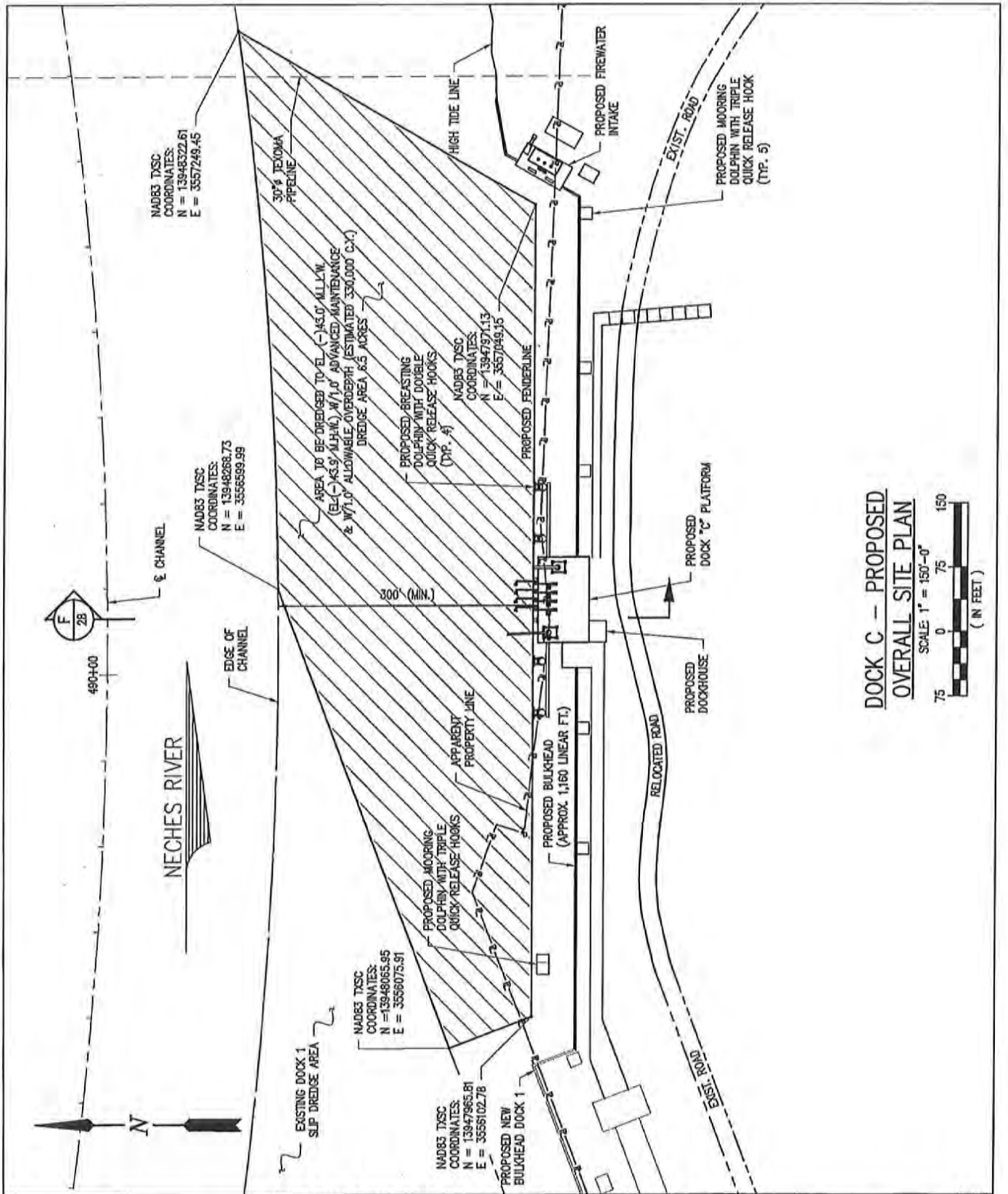
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SWG-2007-01401
ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK C - DEMOLITION SITE PLAN

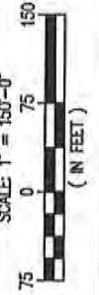
DATE JULY '19
DESIGN
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CHECK BNF
JOB NO 10973
SHEET No.
25 OF 34

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DOCK C - PROPOSED
OVERALL SITE PLAN



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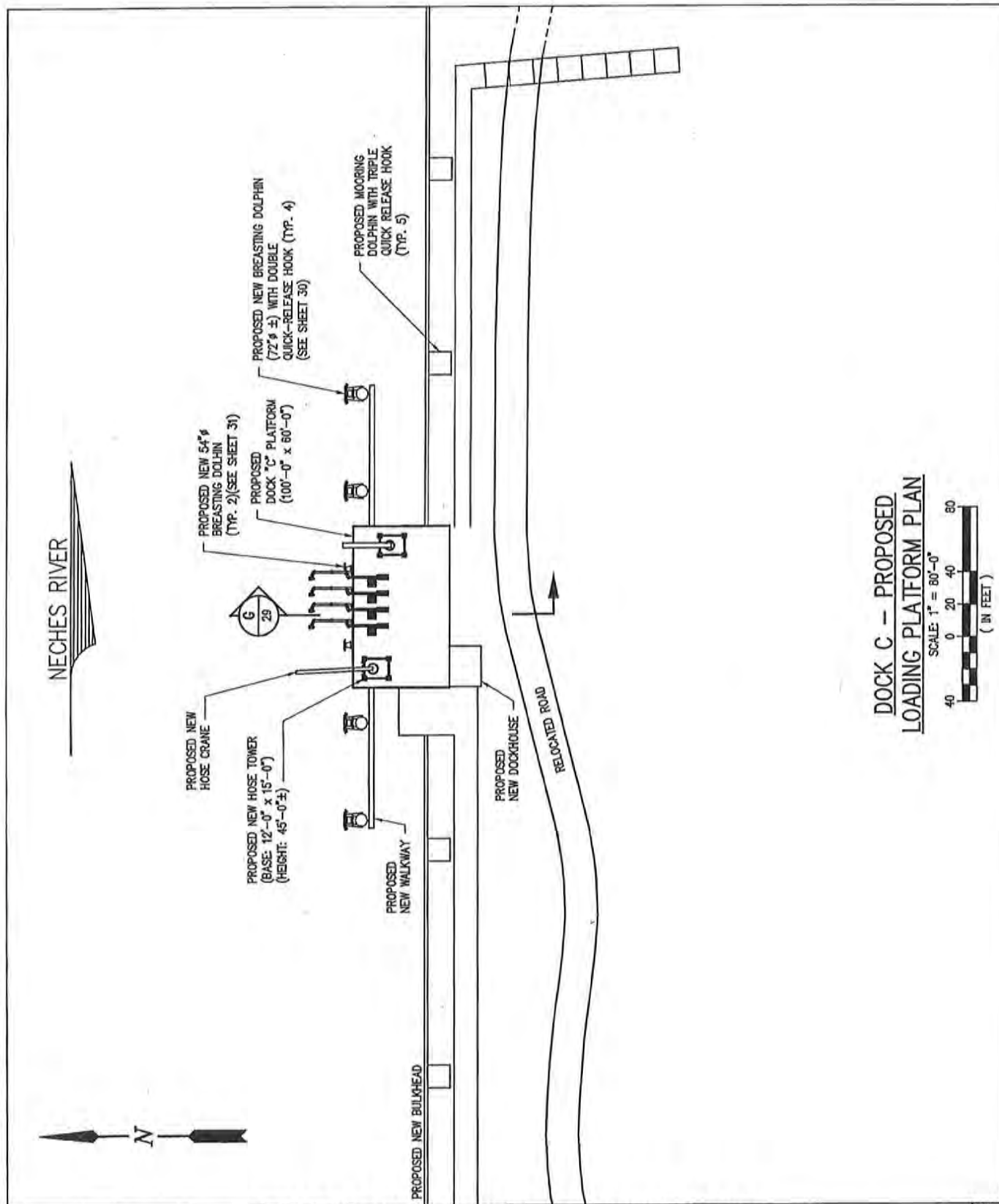
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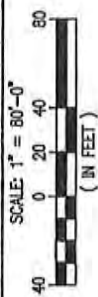
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DOCK C - PROPOSED OVERALL SITE PLAN

DATE	JULY '19
DESIGN	
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SHEET No.	26 OF 34

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DOCK C - PROPOSED
LOADING PLATFORM PLAN



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DOCK C - PROPOSED LOADING PLATFORM PLAN

DATE JULY '19
DESIGN NAH
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JOB NO 10973
SHEET No.
27 OF 34

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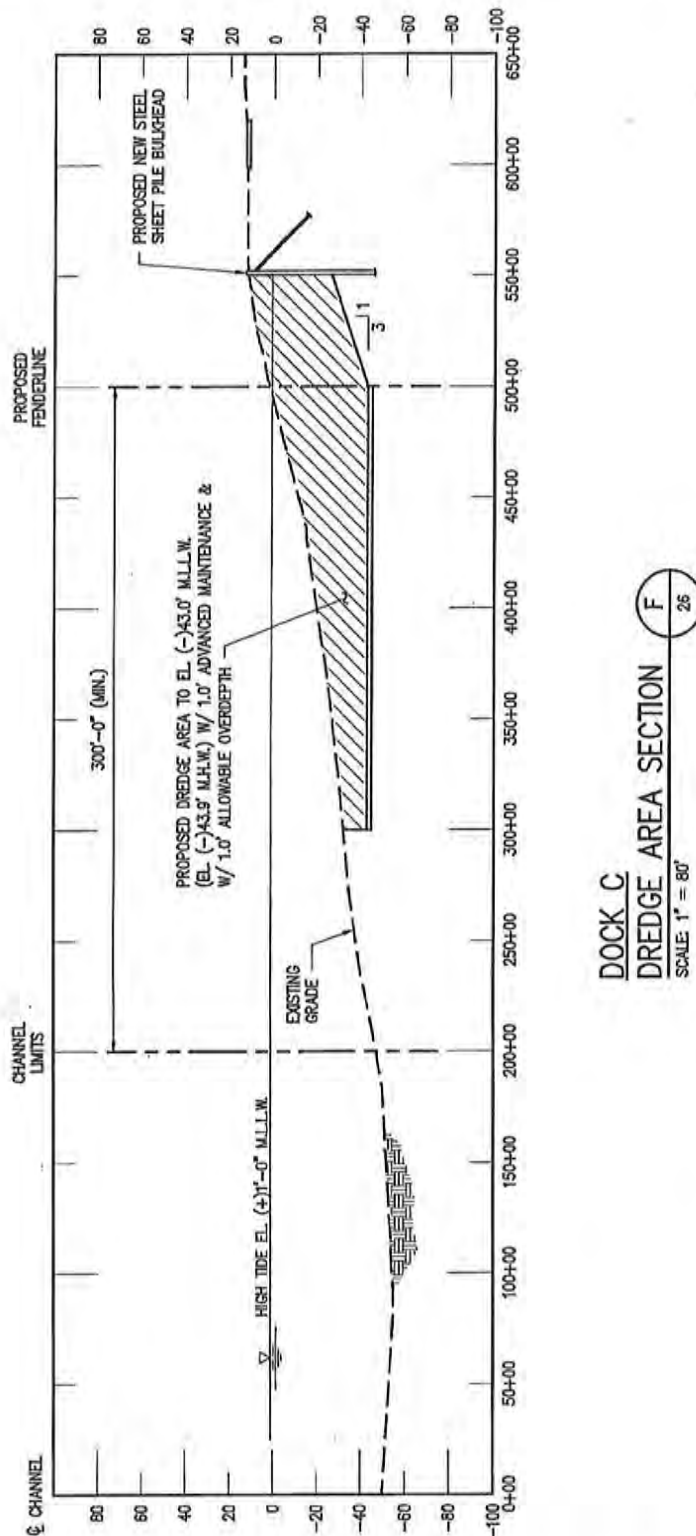
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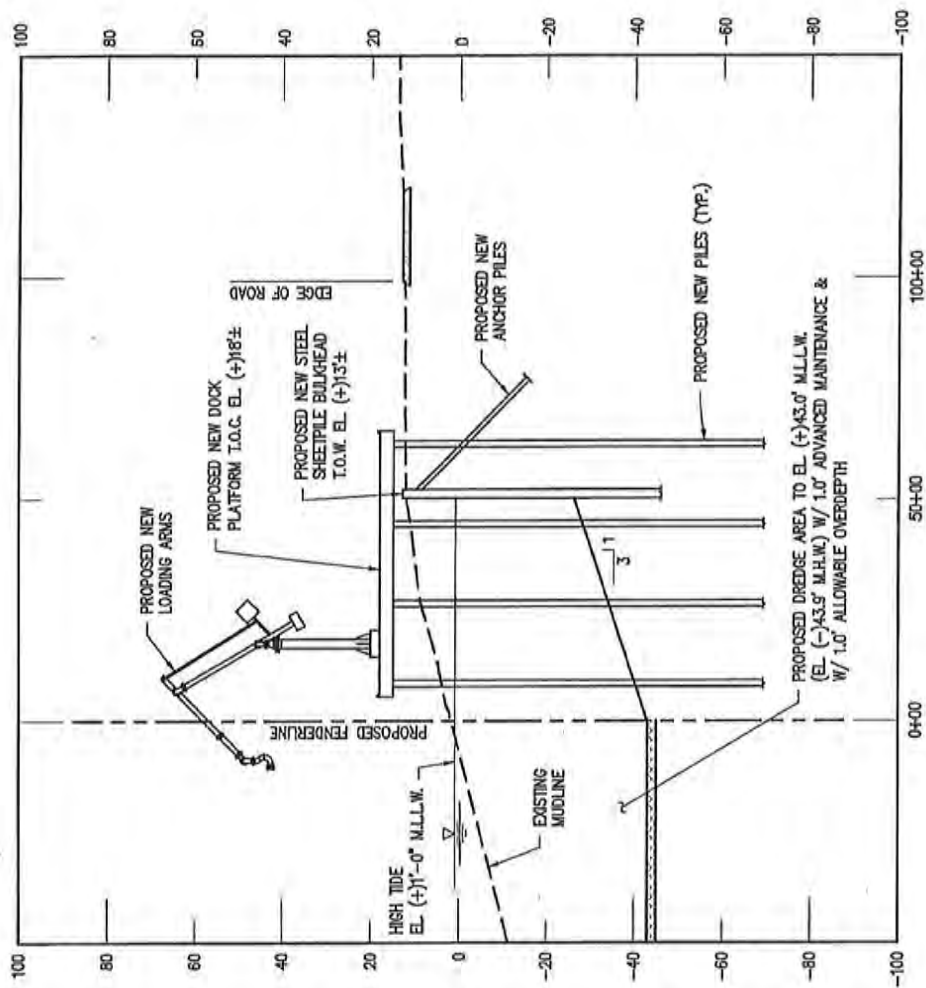
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ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK C - PROPOSED DREDGE AREA SECTION

DATE JULY '19
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DOCK C
DREDGE AREA SECTION
SCALE 1" = 80'

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DOCK C
LOADING PLATFORM SECTION
SCALE 1" = 40'

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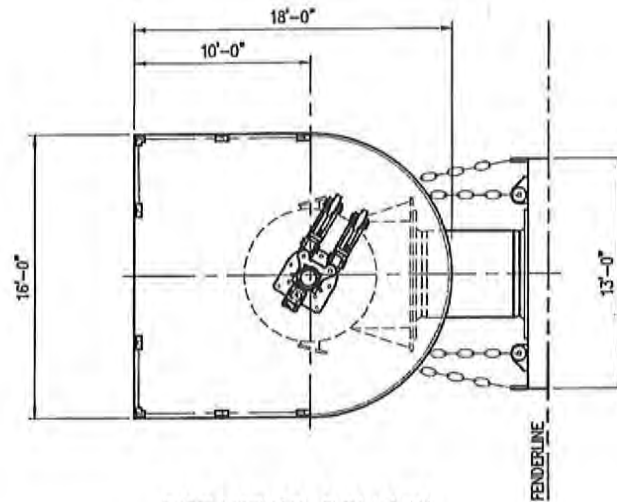
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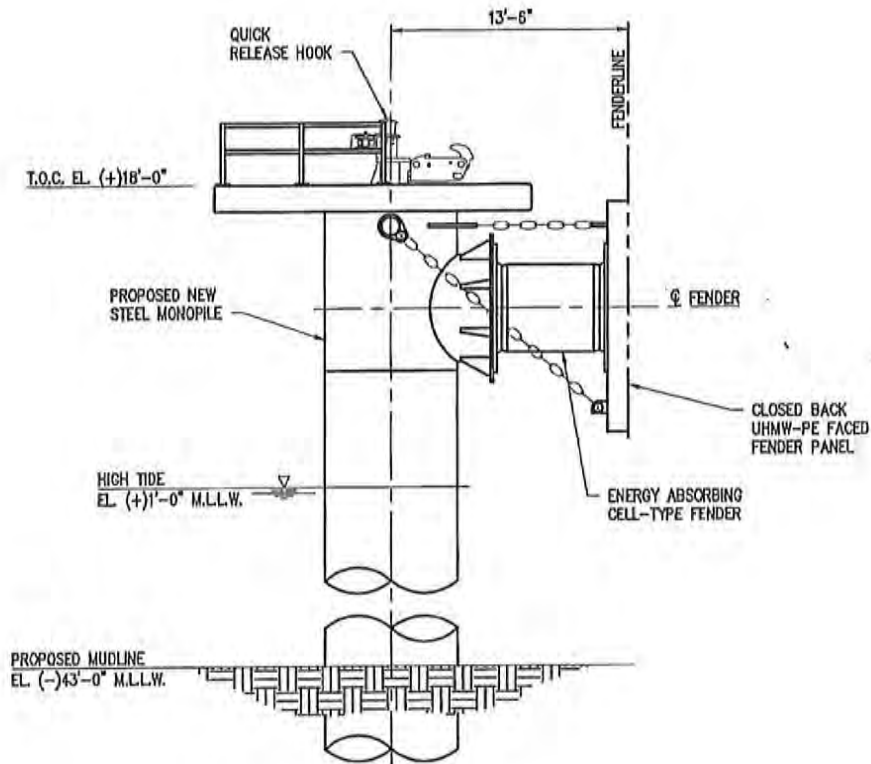
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DOCK C - PROPOSED LOADING PLATFORM SECTION

DATE JULY '19
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SHEET No.
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**BREASTING DOLPHIN
PLAN**
N.T.S.



**BREASTING DOLPHIN
ELEVATION**
N.T.S.

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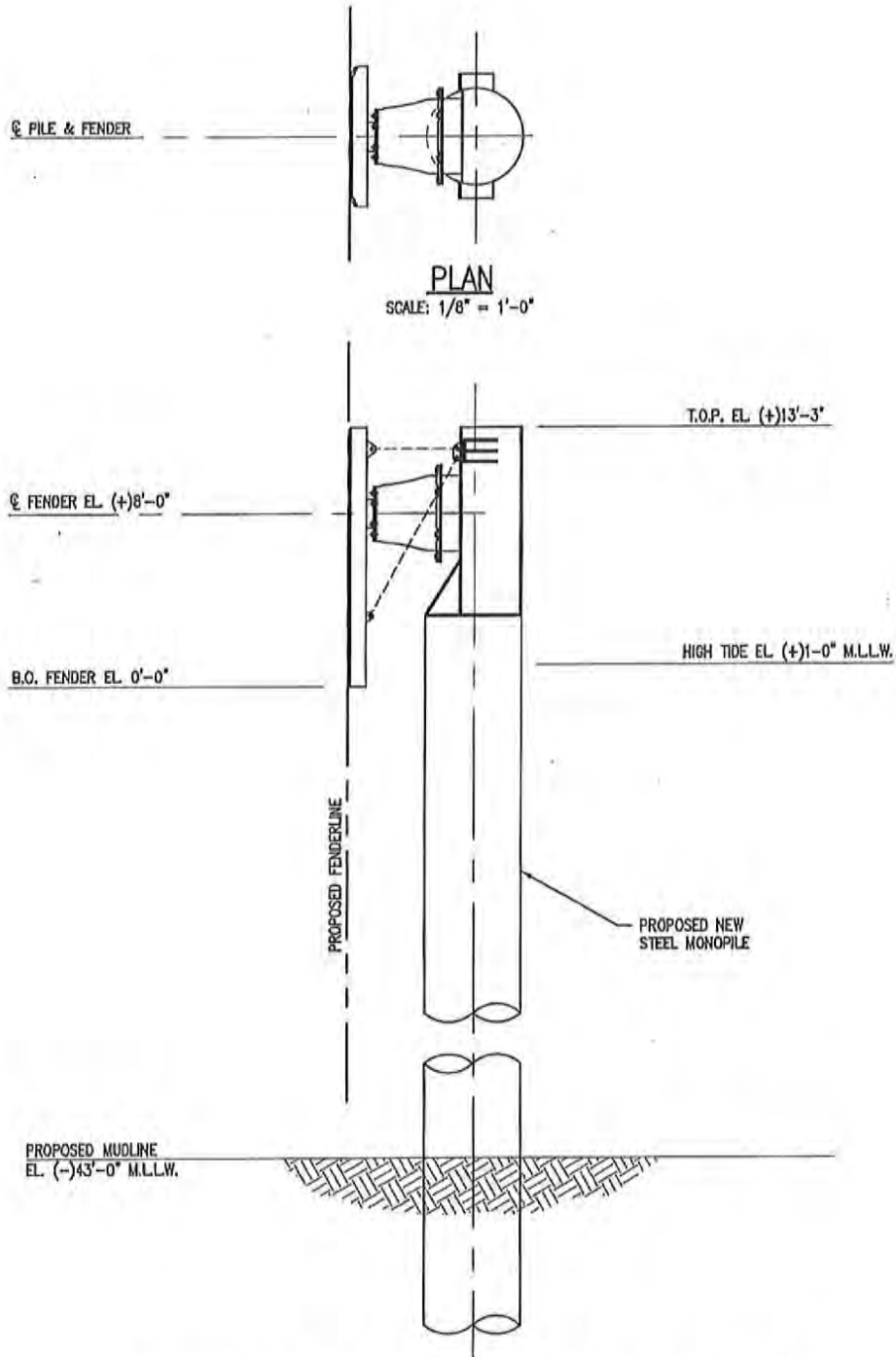
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DOCK C - PROPOSED BREASTING DOLPHIN

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SHEET No.
30 OF 34

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PROPOSED NEW BREASTING DOLPHIN - ELEVATION

SCALE: 1/8" = 1'-0"

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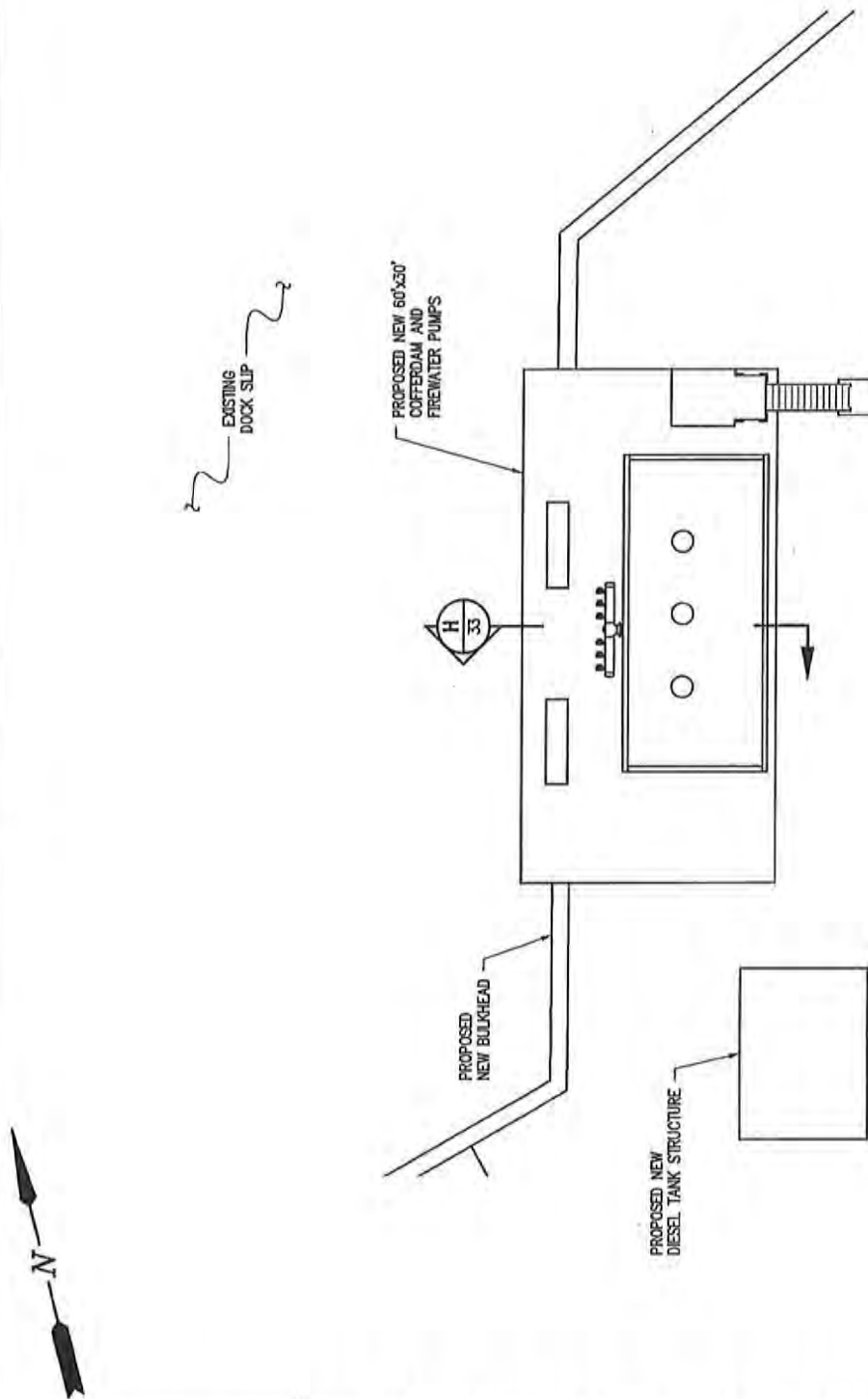
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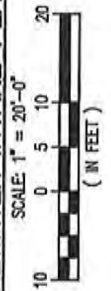
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DOCK C - PROPOSED BREASTING DOLPHIN

DATE JULY '19
DESIGN _____
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**DOCK C - PROPOSED
FIREWATER INTAKE PLAN**



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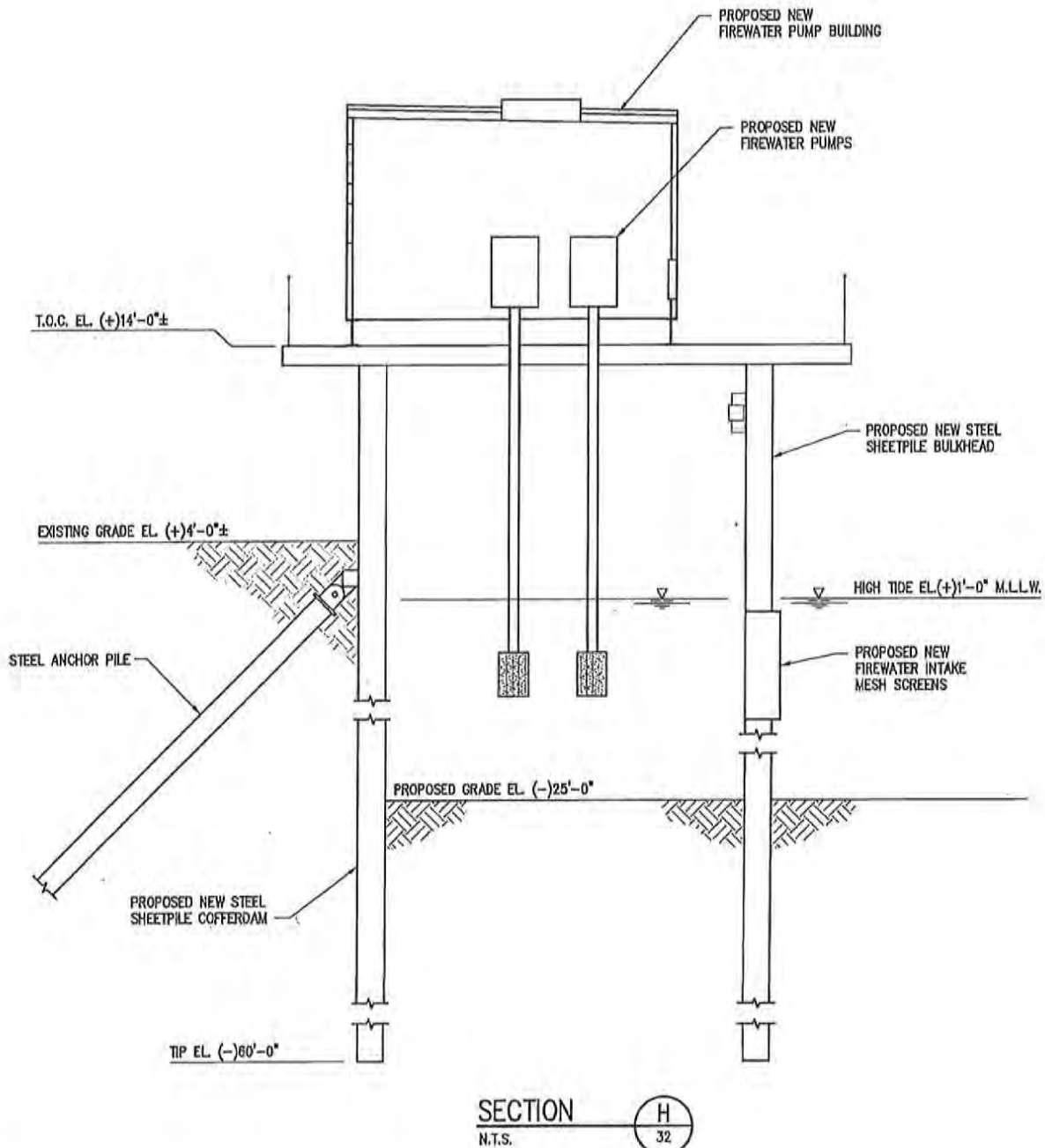
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DOCK C - PROPOSED FIREWATER INTAKE PLAN

DATE	JULY '19
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JOB NO.	10973
SHEET No.	32 OF 34



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ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST
DOCK C - PROPOSED FIREWATER INTAKE SECTION

DATE JULY '19
DESIGN _____
DRAWN NAH
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JOB NO 10973
SHEET No.
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PROPOSED DREDGE
- DISPOSAL AREAS
N.T.S.

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SWG-2007-01401 ADMINISTRATIVE CONSOLIDATION & MODIFICATION REQUEST PROPOSED DREDGE DISPOSAL AREAS		DESIGN _____
		DRAWN <u>NAH</u>
		CHECK <u>BNF</u>
		JOB NO. <u>10973</u>
		SHEET No. 34 OF 34