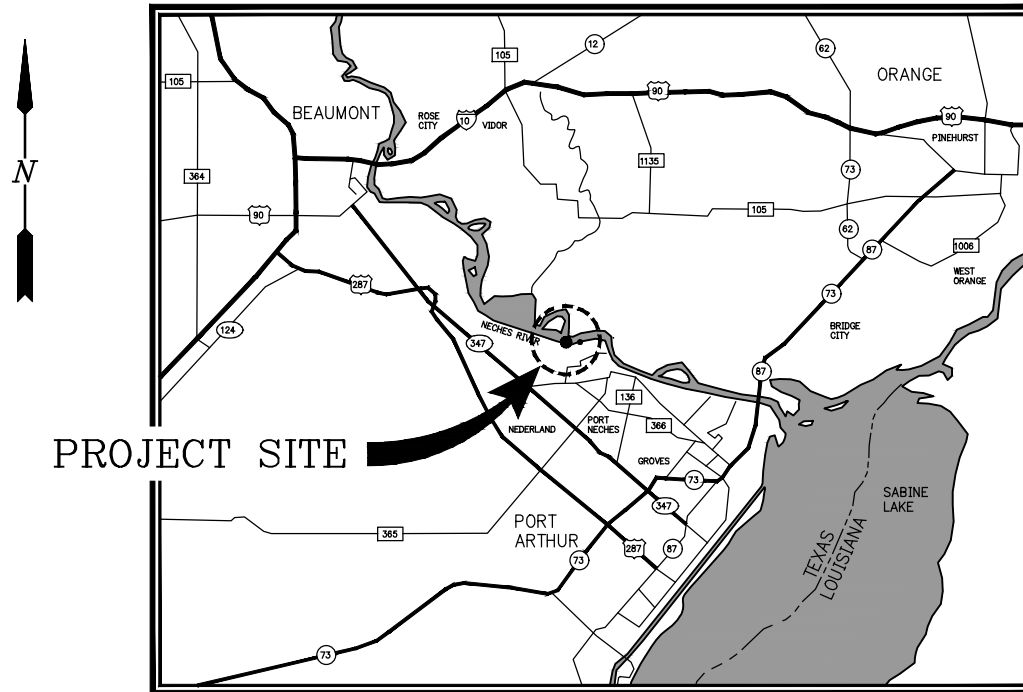
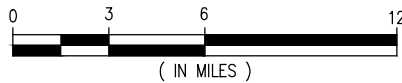


VICINITY MAP

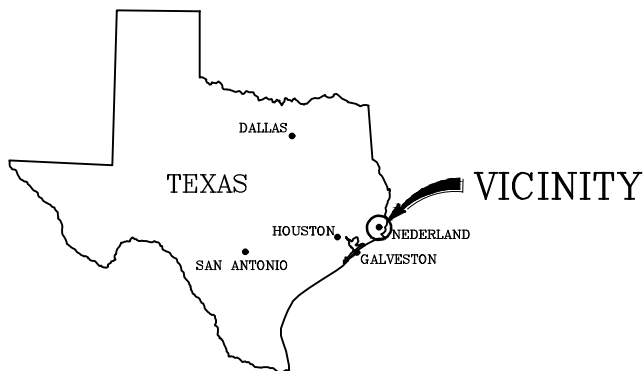
SCALE: 1" = 6 MILE



SITE LOCATION:

LAT: 30° 00' 34.30"N

LONG: 93° 59' 39.50"W



AREA MAP

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A

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
MODIFICATION REQUEST
VICINITY & AREA MAP

DATE MARCH 2020

DATE MARCH 2020
DESIGN

DESIGN _____
DRAWN NAH

CHECK BNF

JOB NO 10697

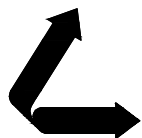
SHEET No. _____

1 OF 49



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

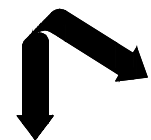
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
LOCATION MAP

DATE MARCH 2020
DESIGN _____
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
2 OF 49

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR03.DWG

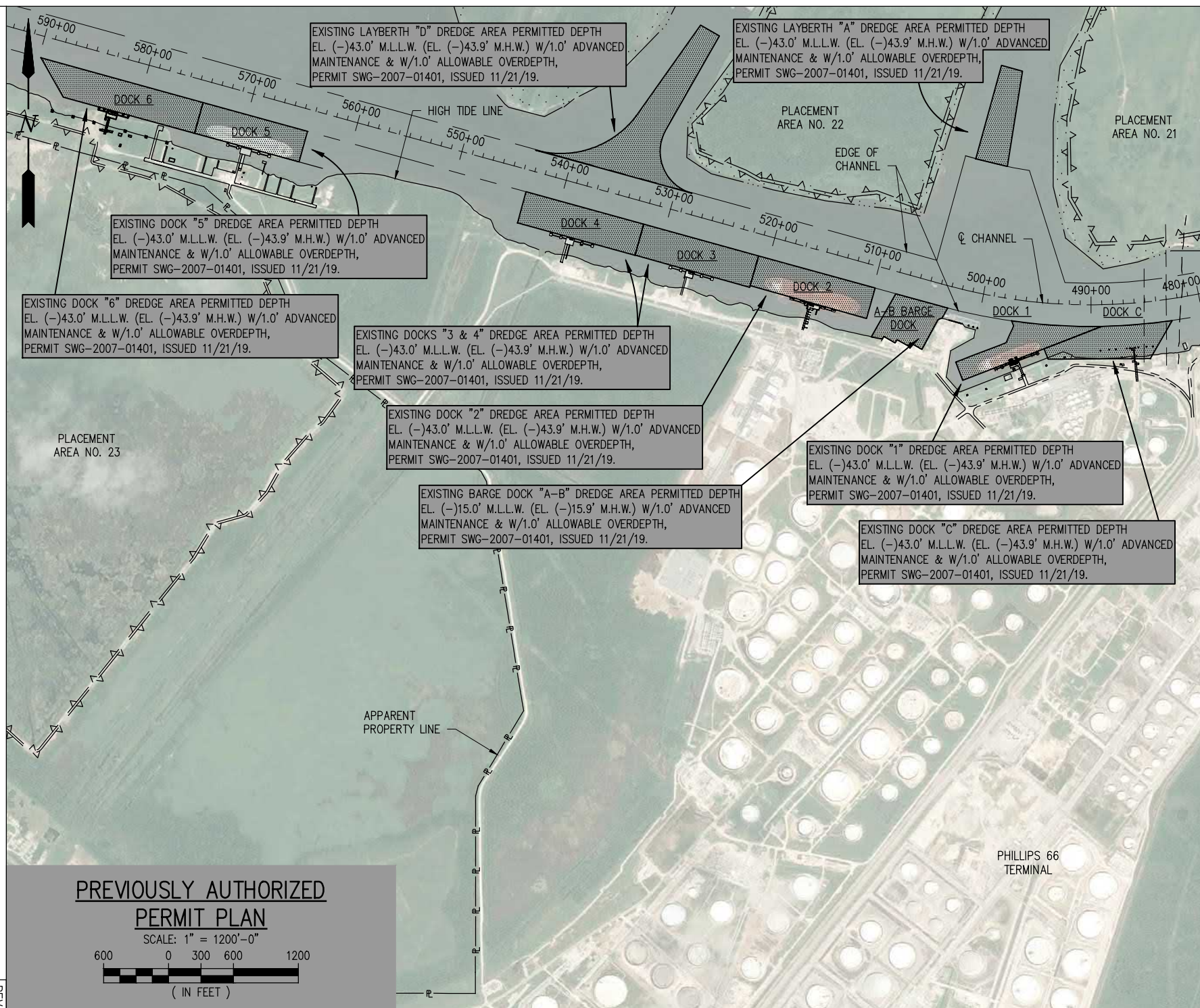
PRELIMINARY - FOR PERMIT PURPOSES ONLY



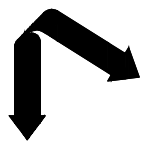
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120
TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND
TEXAS
SWG-2007-01401
MODIFICATION REQUEST
PREVIOUSLY AUTHORIZED PERMIT PLAN

DATE: MARCH 2020
DESIGN: NAH
DRAWN: BNF
CHECK: BNF
JOB NO: 10697
SHEET NO: 3 OF 49



J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR04.DWG



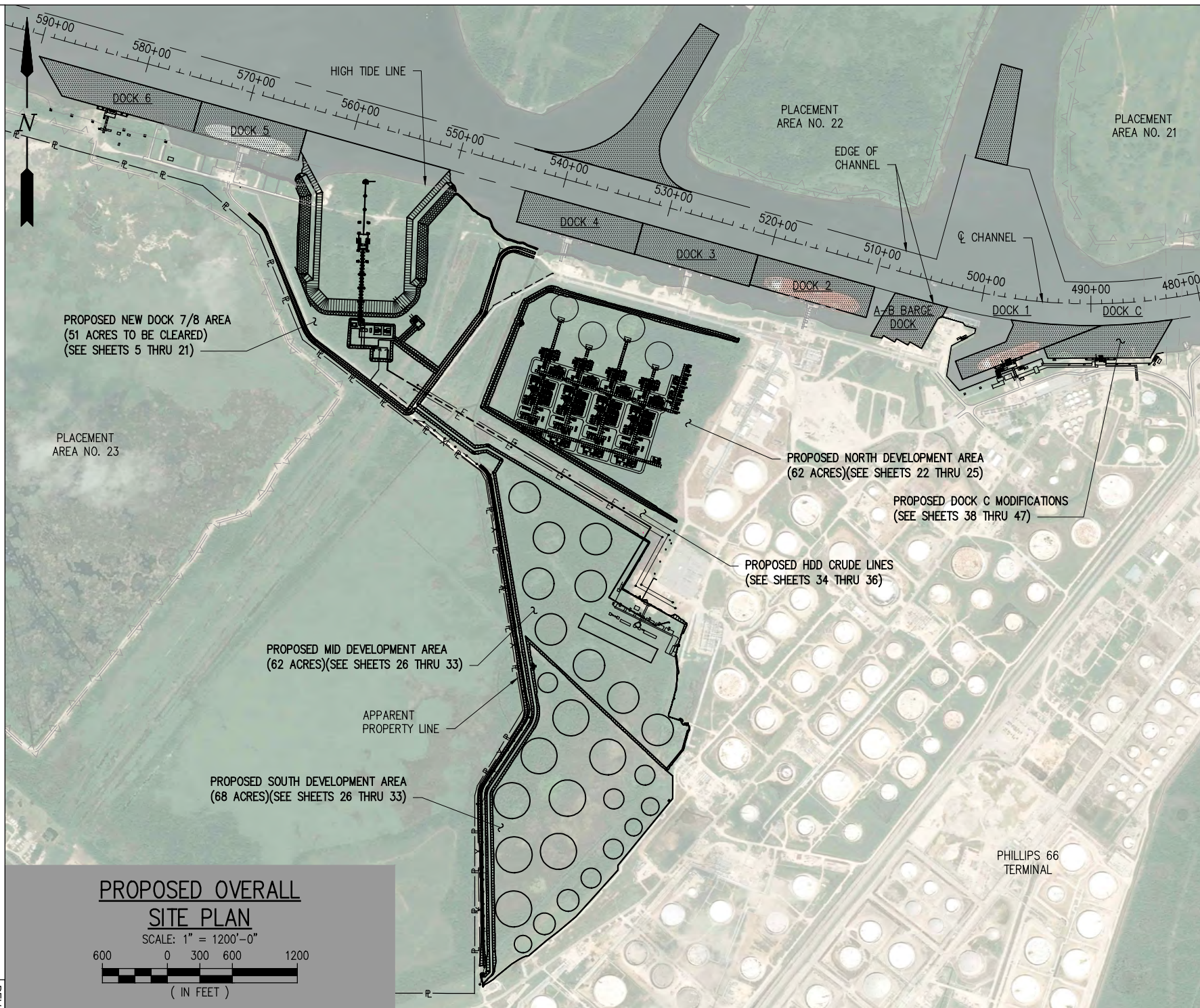
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

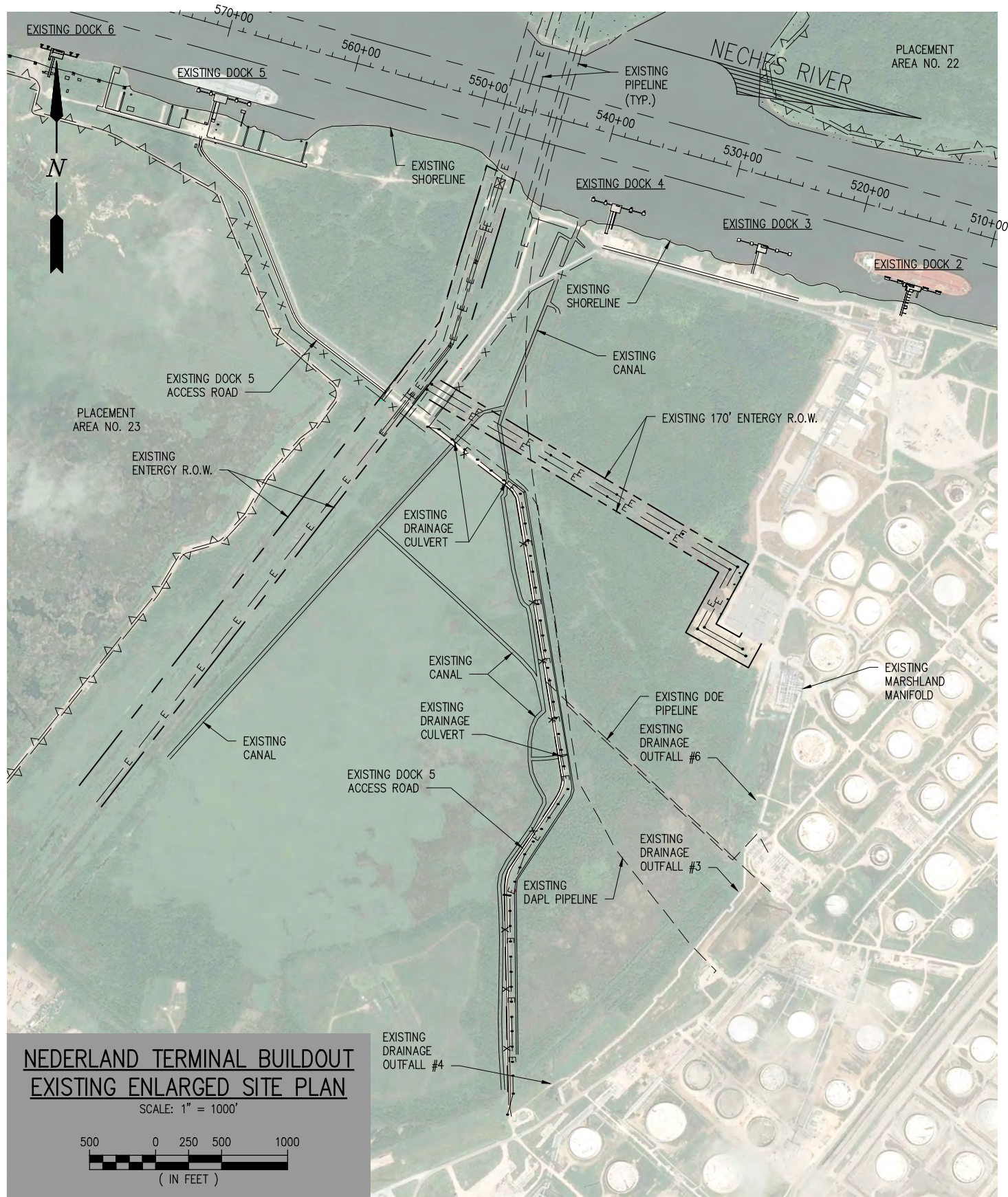
SWG-2007-01401
MODIFICATION REQUEST
PROPOSED OVERALL SITE PLAN

DATE MARCH 2020
DESIGN NAH
DRAWN BNF
CHECK BNF
JOB NO 10697
SHEET NO 4 OF 49



**PROPOSED OVERALL
SITE PLAN**
SCALE: 1" = 1200'-0"
600 0 300 600 1200
(IN FEET)

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PRO5.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



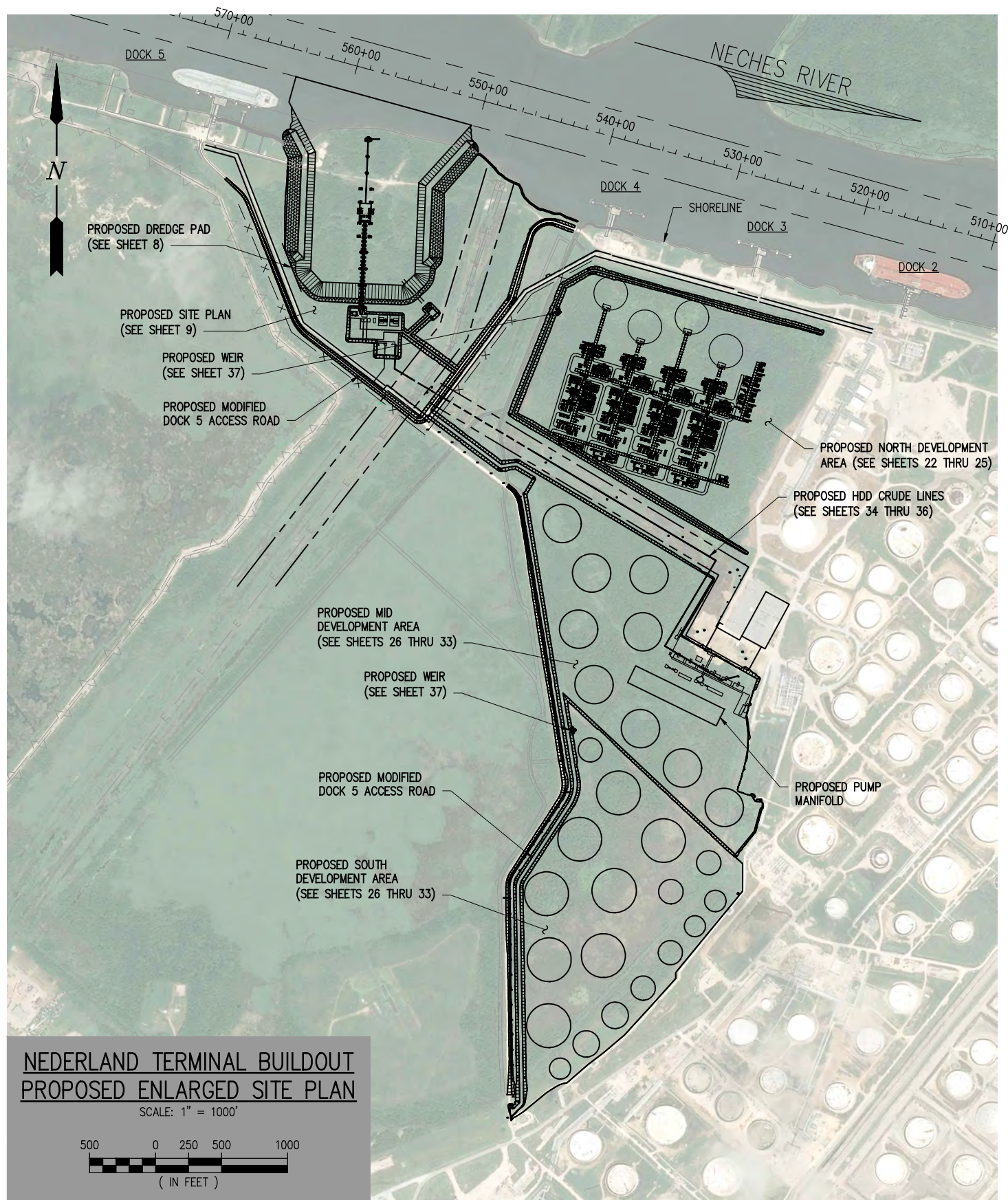
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

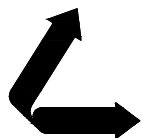
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
EXISTING ENLARGED SITE PLAN

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
5 OF 49



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B

LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

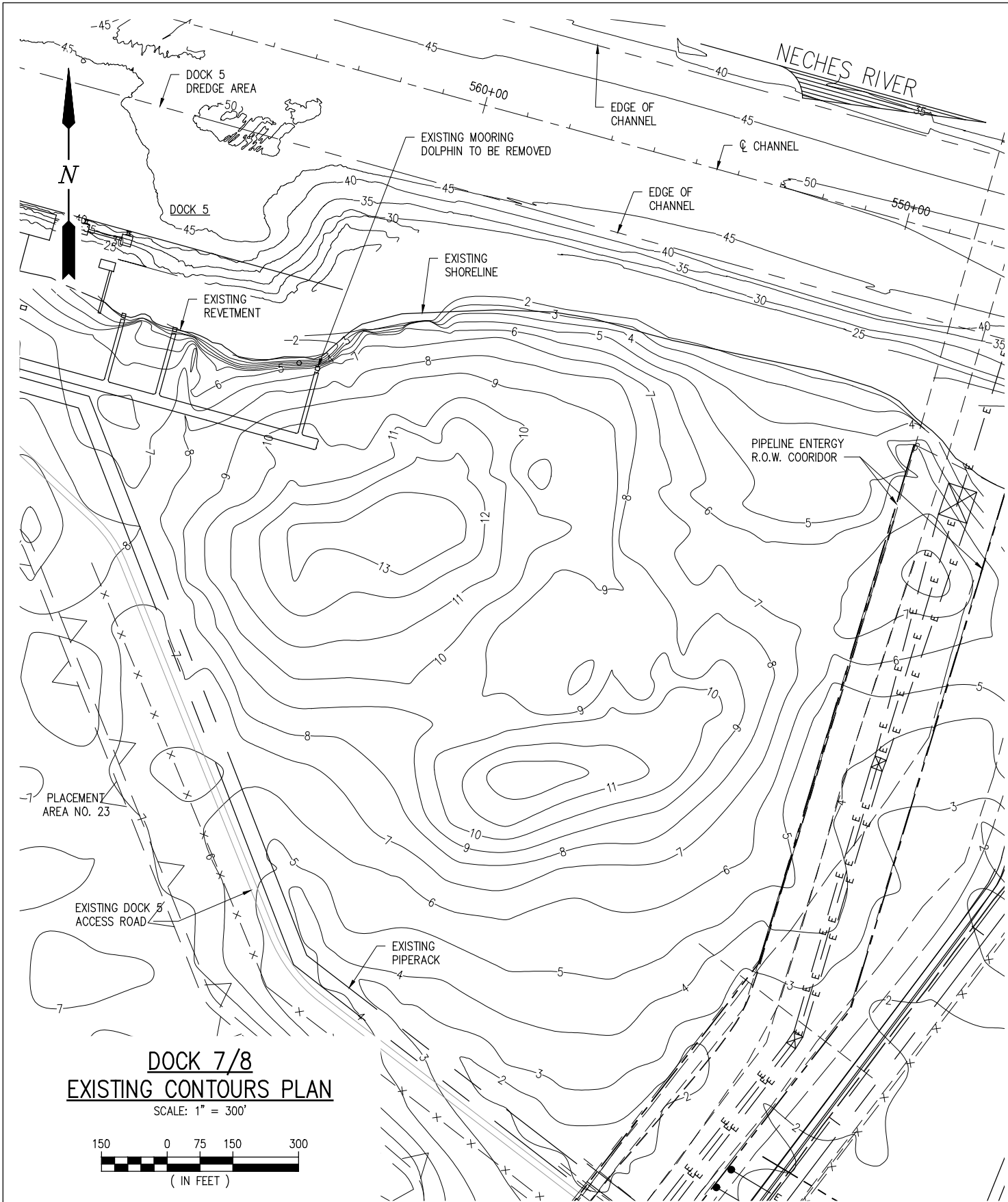
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
PROPOSED ENLARGED SITE PLAN

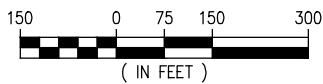
DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
6 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR07.DWG



DOCK 7/8 EXISTING CONTOURS PLAN

SCALE: 1" = 300'



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



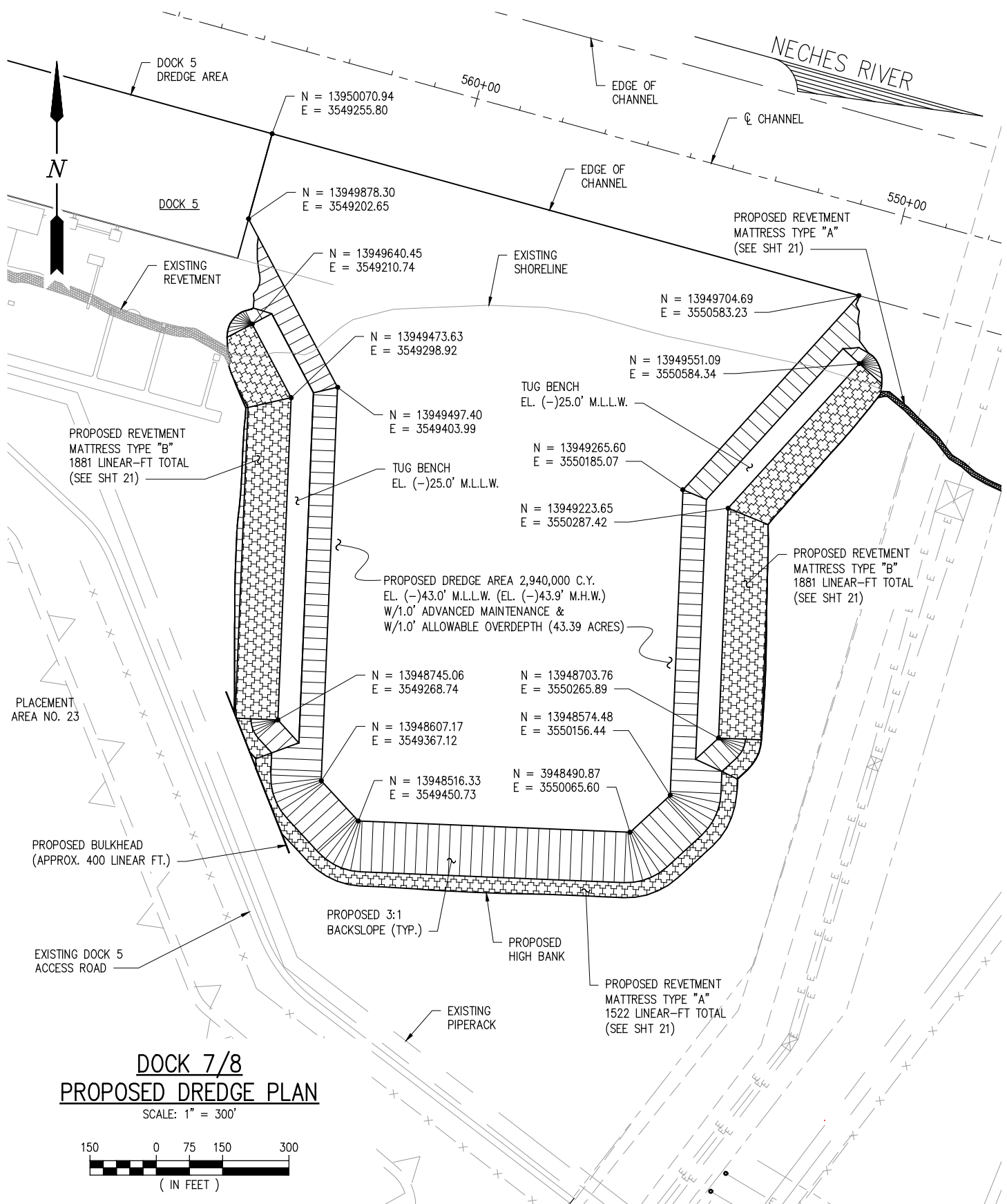
**LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED**

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

**SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS**

**SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - EXISTING CONTOURS - PLAN**

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
7 OF 49



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B

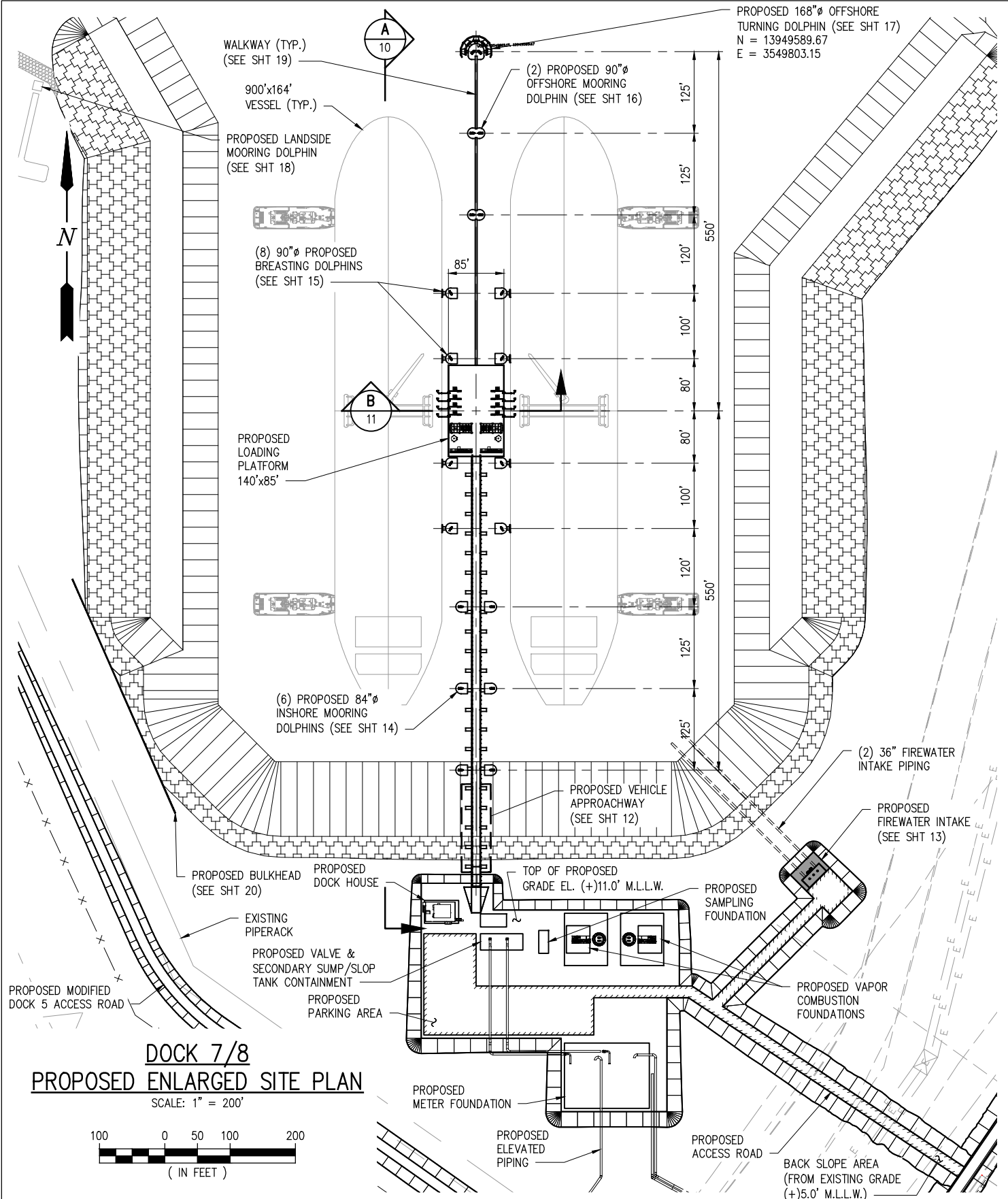
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

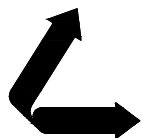
SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - PROPOSED DREDGE PLAN

DATE MARCH 2020
 DESIGN JPL
 DRAWN NAH
 CHECK BNF
 JOB NO. 10697
 SHEET No.
8 OF 49



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

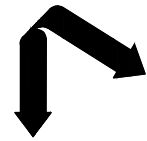
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - PROPOSED ENLARGED SITE PLAN

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
9 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PRO9.DWG

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR10.DWG



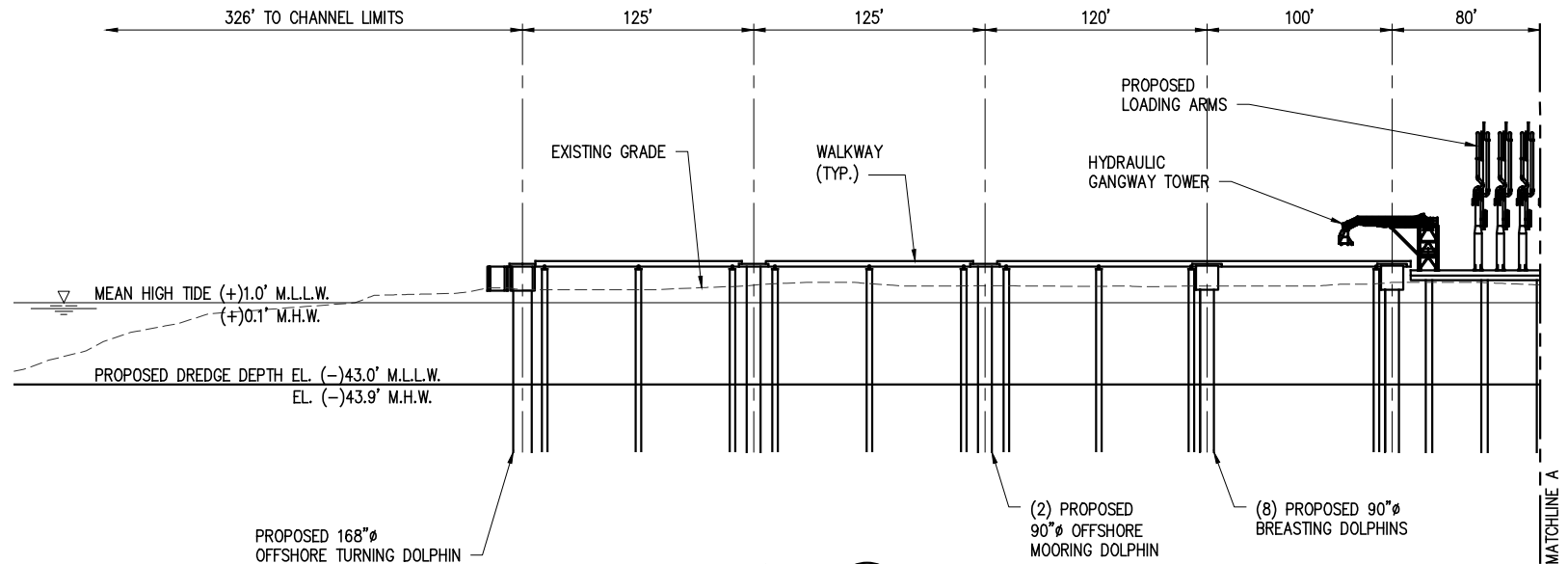
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND
TEXAS
MODIFICATION REQUEST
DOCK 7/8 - DOCK ELEVATION
SWG-2007-01401

DATE MARCH 2020
DESIGN JPL
DRAW NAH
CHECK BNF
JOB NO. 10697
SHEET NO.
10 OF 49

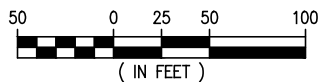
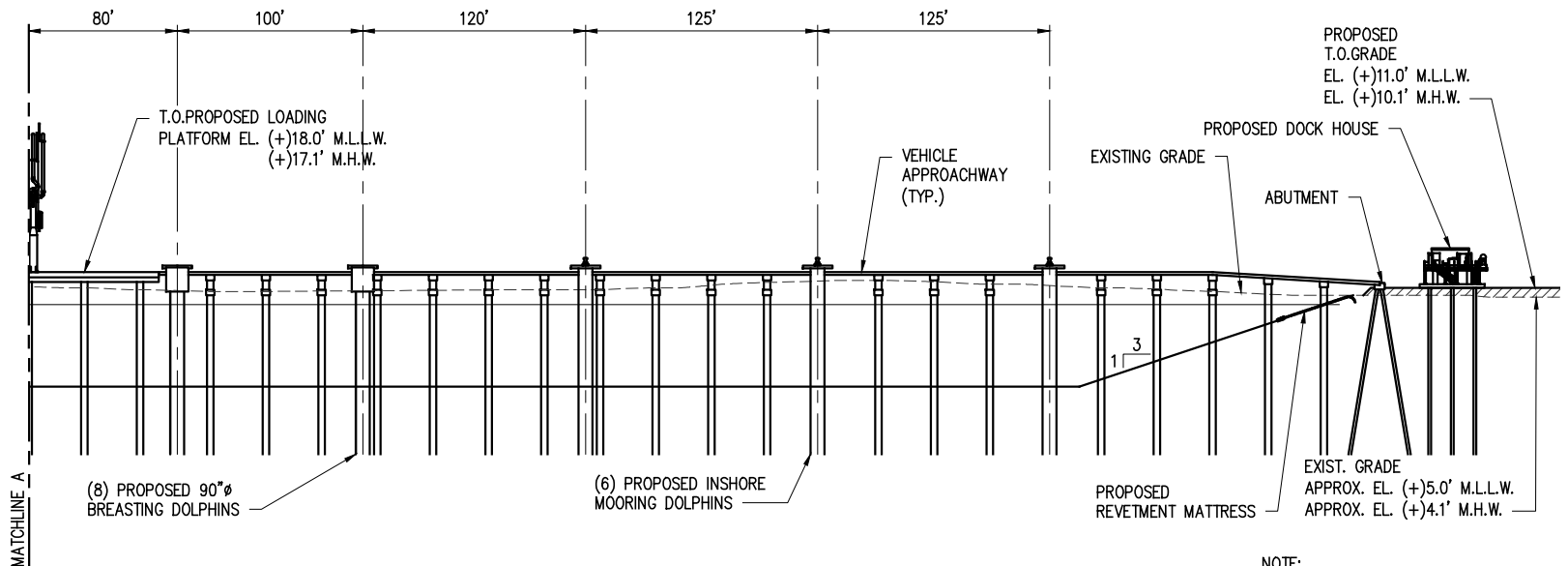
REV
B



ELEVATION

SCALE: 1"=100'

A
9

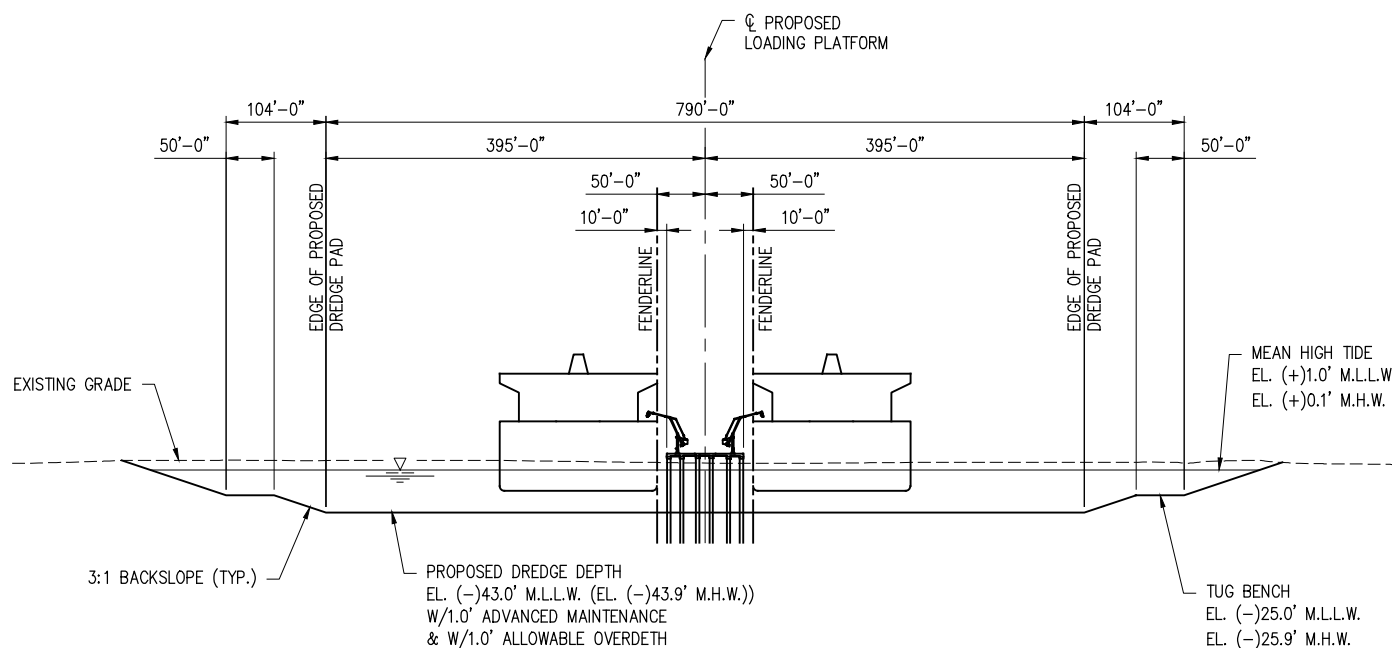


ELEVATION

SCALE: 1"=100'

A
9

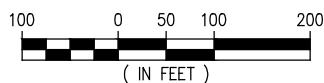
NOTE:
PROPOSED MUDLINE EL. (-)43.0' M.L.L.W.
(EL. (-)43.9' M.H.W.) W/1.0' ADVANCED MAINTENANCE
& W/1.0' ALLOWABLE OVERDEPTH.



DOCK 7/8 SECTION THRU LOADING PLATFORM

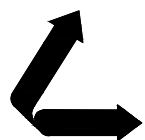
SCALE: 1" = 200'-0"

B
9



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

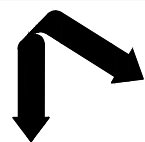
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - SECTION THRU LOADING PLATFORM

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
11 OF 49

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR12.DWG



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

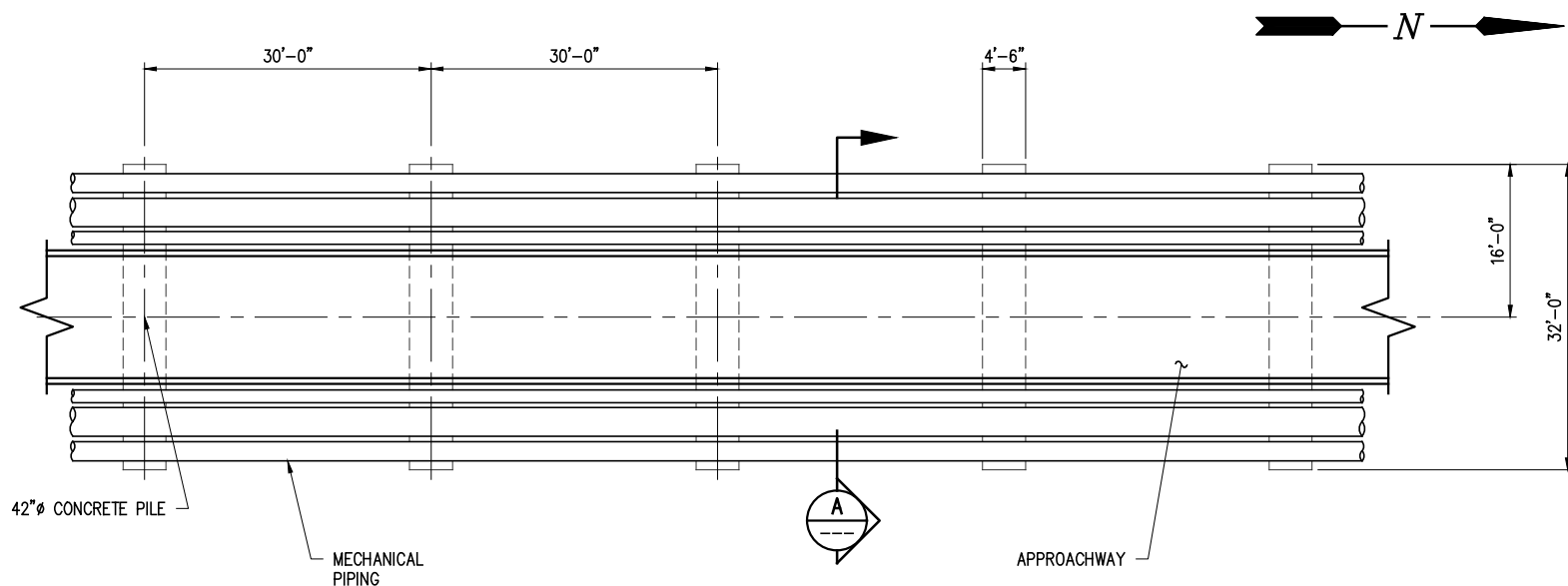
PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND
TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - APPROACHWAY DETAILS

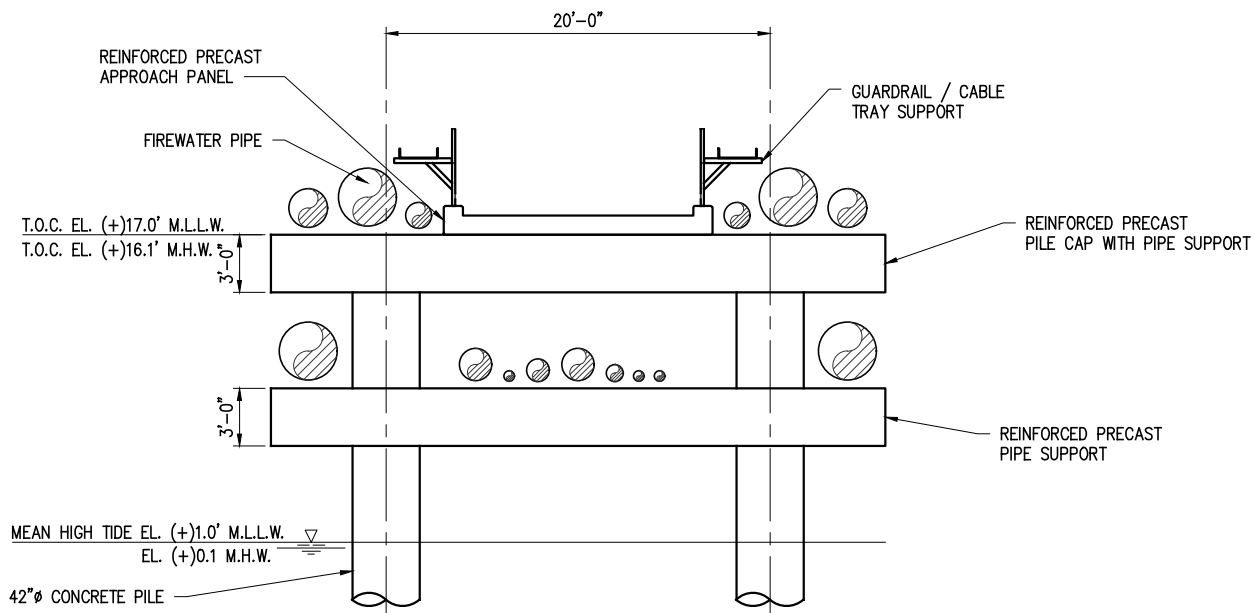
DATE MARCH 2020
DESIGN JPL
DRAW NAH
CHECK BNF
JOB NO. 10697
SHEET NO.
12 OF 49

REV
B



PROPOSED VEHICLE APPROACHWAY - PLAN

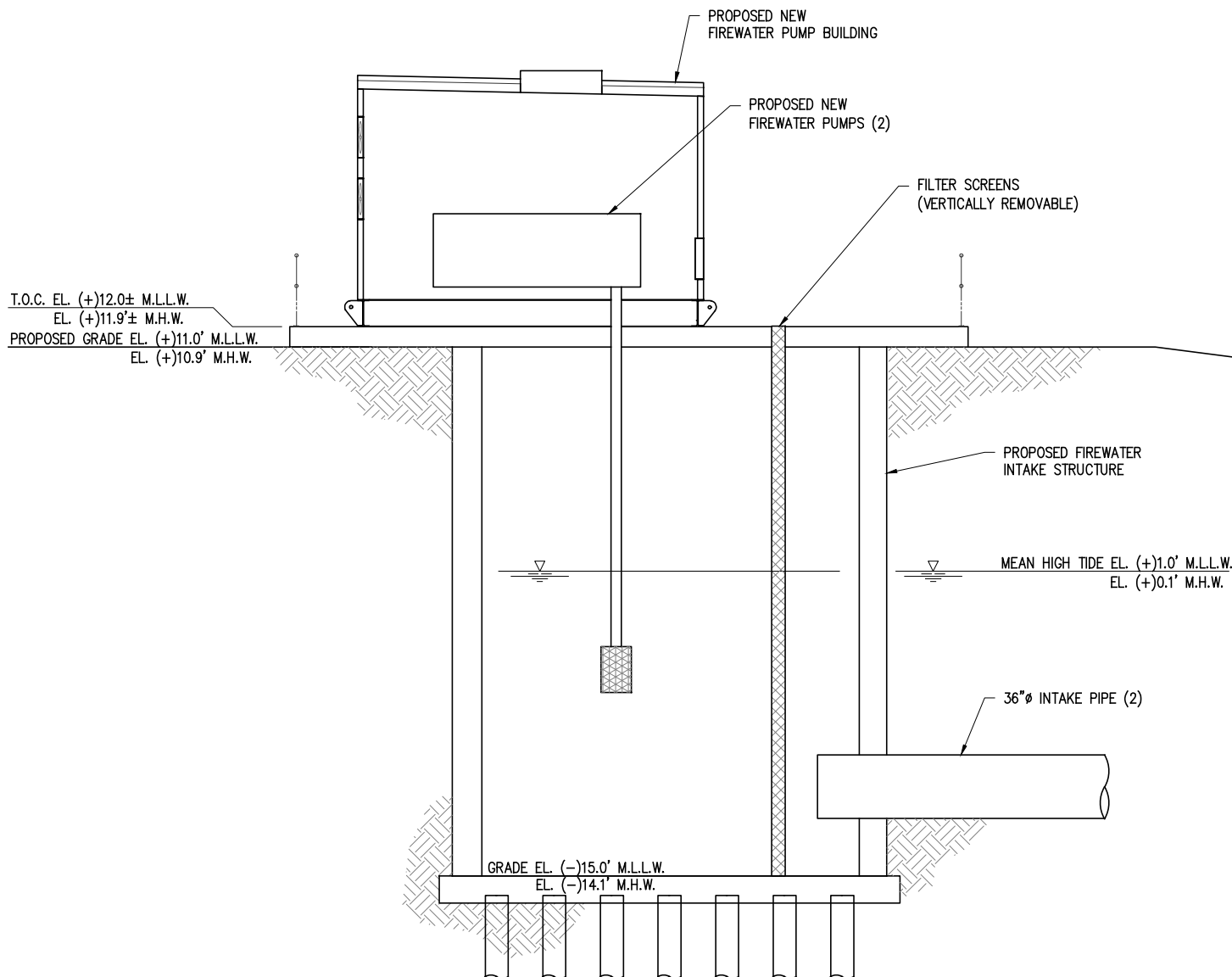
SCALE: 1" = 20'-0"



SECTION

SCALE: 1" = 10'-0"





**PROPOSED FIREWATER INTAKE
ELEVATION**
N.T.S.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

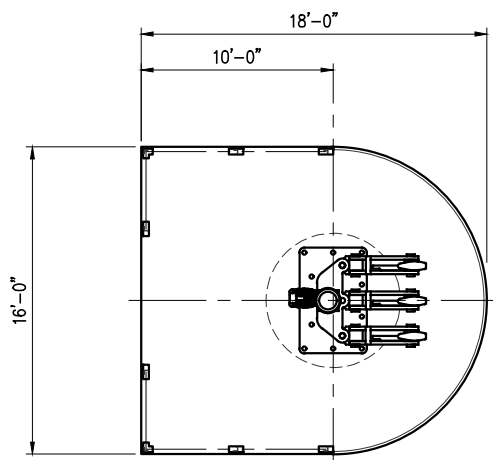
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

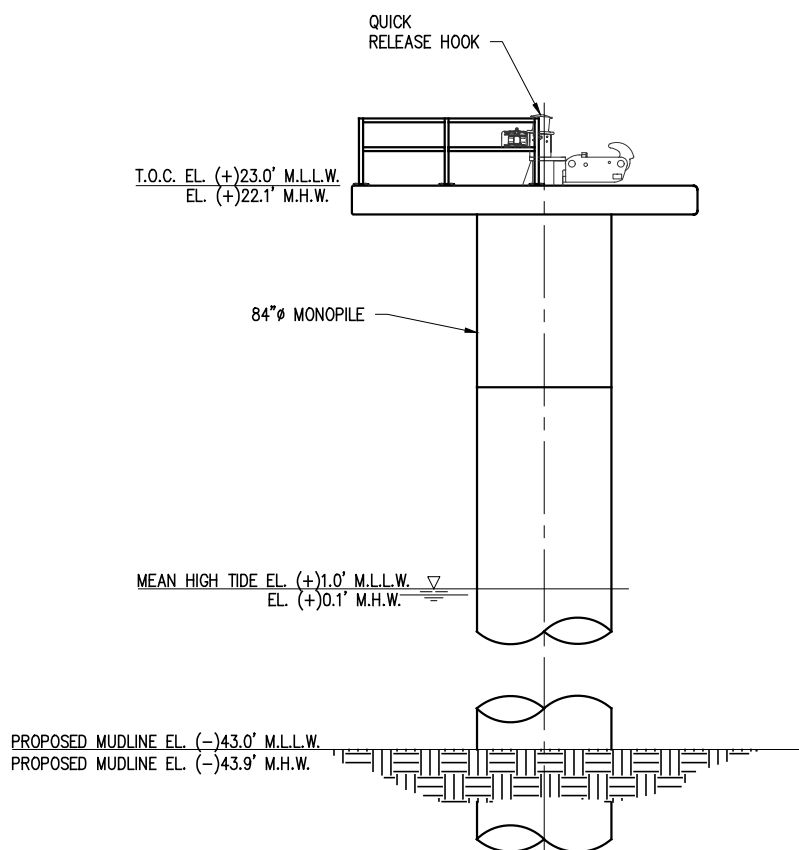
SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - FIREWATER INTAKE ELEVATION

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
13 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR13.DWG



INSHORE MOORING DOLPHIN
PLAN
N.T.S.



INSHORE MOORING DOLPHIN
ELEVATION
N.T.S.

NOTE:

PROPOSED MUDLINE EL. (-)43.0' M.L.L.W.
(EL. (-)43.9' M.H.W.) W/1.0' ADVANCED MAINTENANCE
& W/1.0' ALLOWABLE OVERDEPTH.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



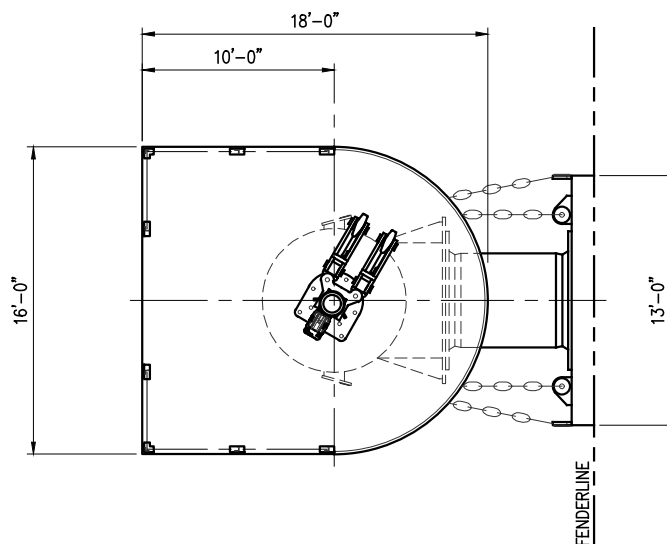
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

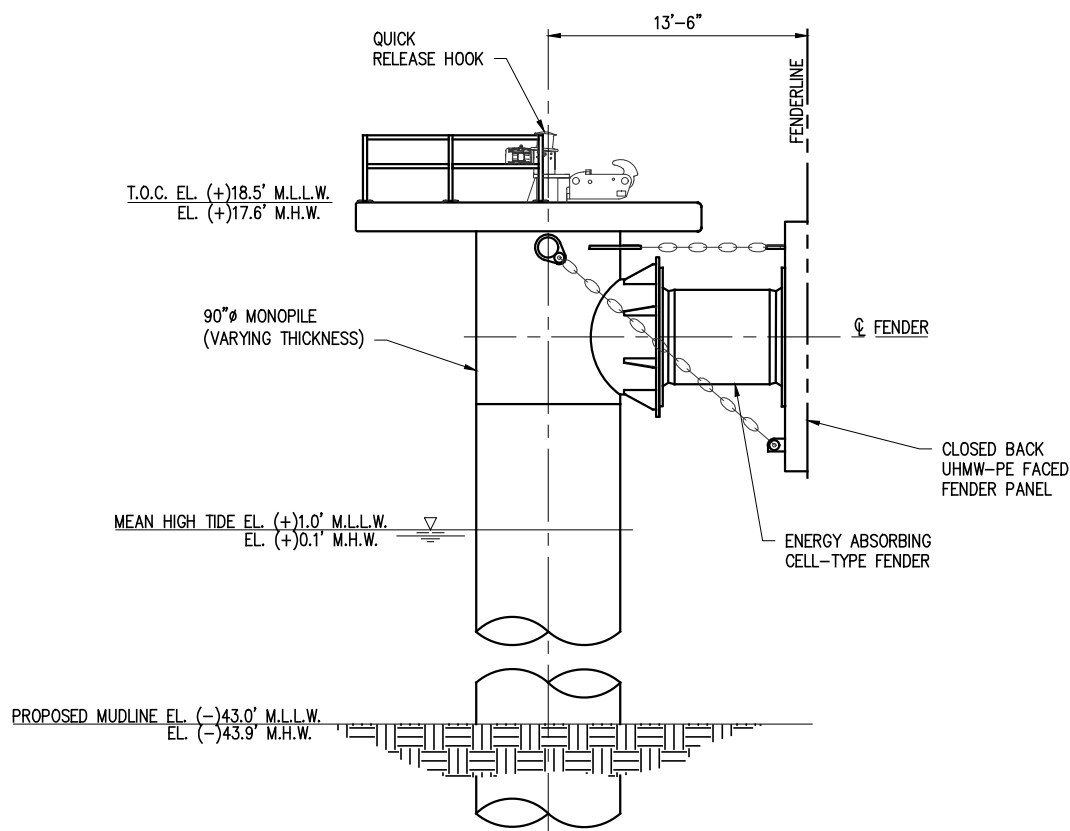
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - INSHORE MOORING DOLPHIN DETAILS

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
14 OF 49



BREASTING DOLPHIN
PLAN
N.T.S.



BREASTING DOLPHIN
ELEVATION
N.T.S.

NOTE:
PROPOSED MUDLINE EL. (-)43.0' M.L.L.W.
(EL. (-)43.9' M.H.W.) W/1.0' ADVANCED MAINTENANCE
& W/1.0' ALLOWABLE OVERDEPTH.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



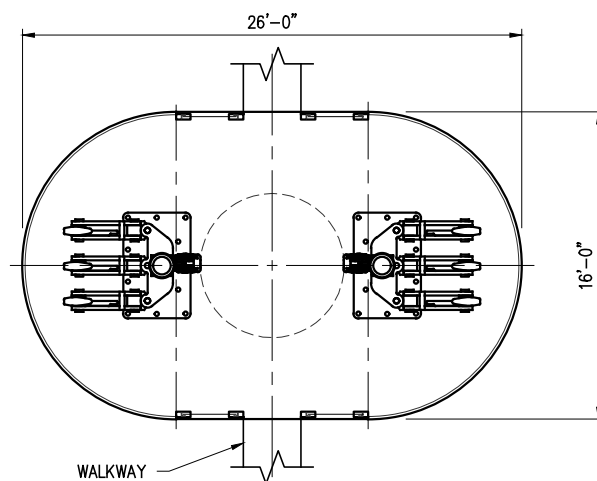
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

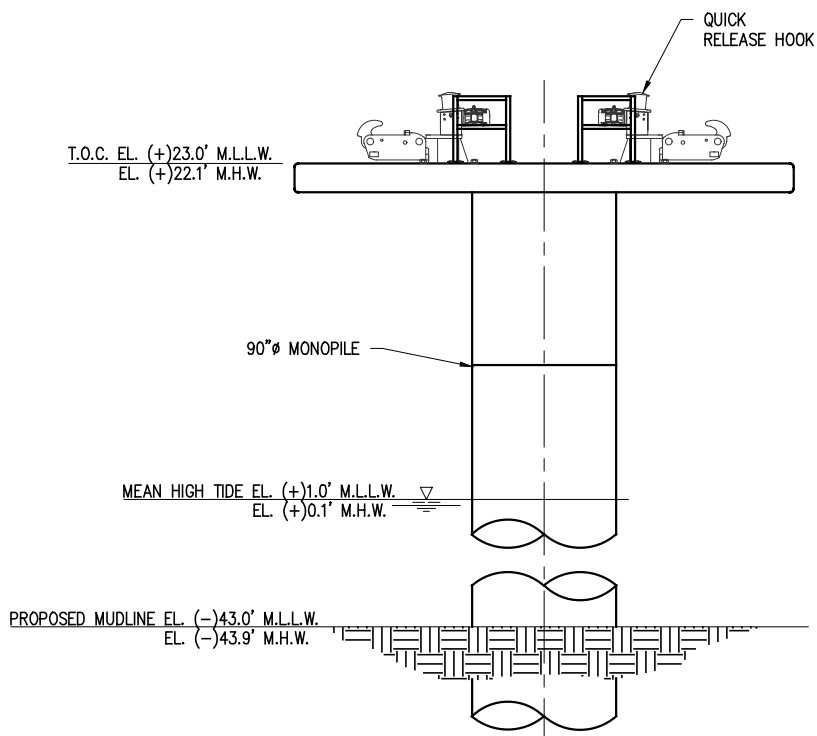
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - BREASTING DOLPHIN DETAILS

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
15 OF 49



OFFSHORE MOORING DOLPHIN
PLAN
 N.T.S.



OFFSHORE MOORING DOLPHIN
ELEVATION
 N.T.S.

NOTE:
 PROPOSED MUDLINE EL. (-)43.0' M.L.L.W.
 (EL. (-)43.9' M.H.W.) W/1.0' ADVANCED MAINTENANCE
 & W/1.0' ALLOWABLE OVERDEPTH.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



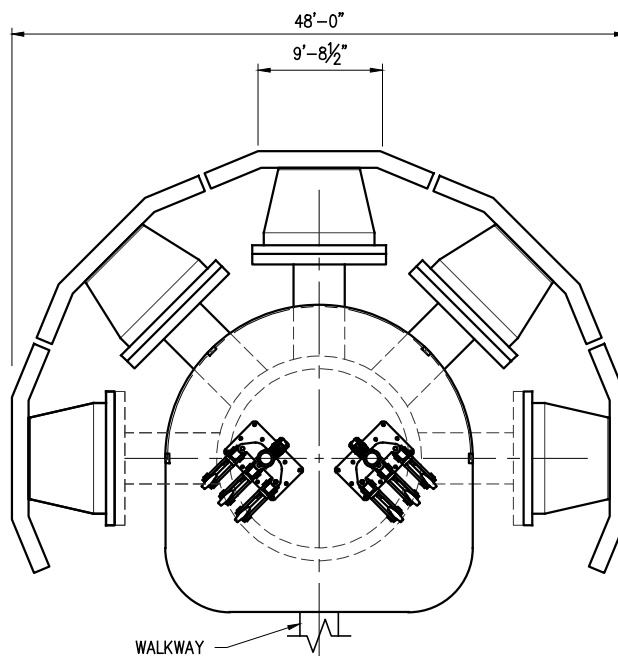
LANIER & ASSOCIATES
CONSULTING ENGINEERS
 INCORPORATED

LA: C-1120 TX: F-2981
 NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
 NEDERLAND TEXAS

SWG-2007-01401
 MODIFICATION REQUEST
 DOCK 7/8 - OFFSHORE MOORING DOLPHIN DETAILS

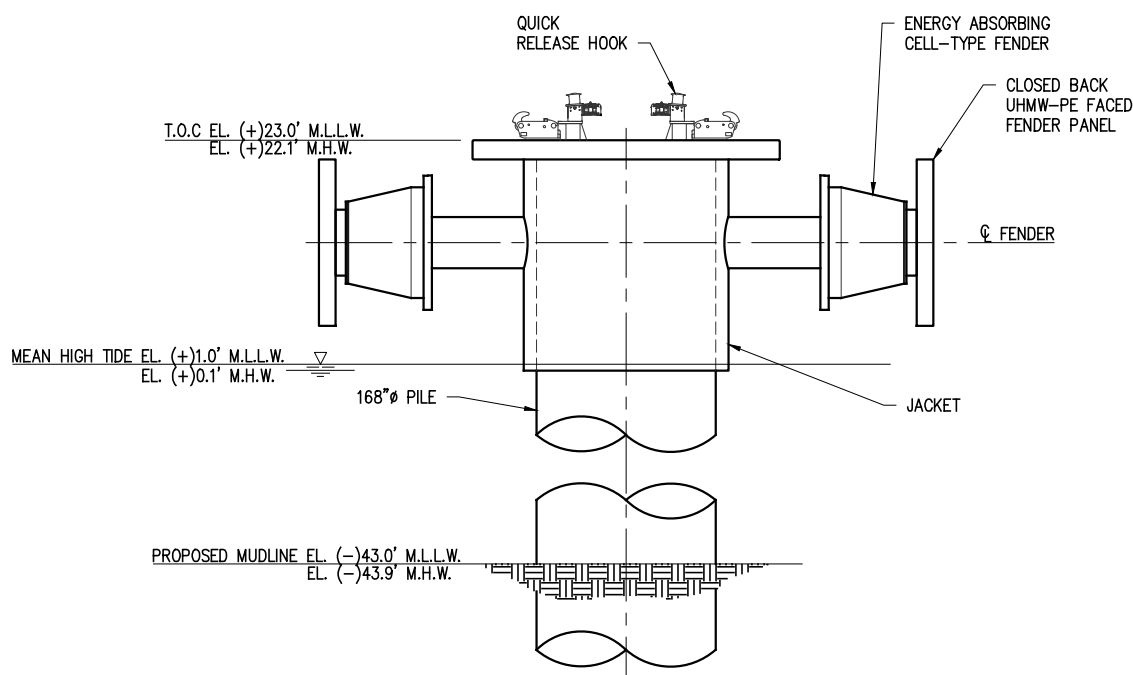
DATE MARCH 2020
 DESIGN JPL
 DRAWN NAH
 CHECK BNF
 JOB NO 10697
 SHEET No.
 16 OF 49



OFFSHORE TURNING DOLPHIN

PLAN

N.T.S.



OFFSHORE TURNING DOLPHIN

ELEVATION

N.T.S.

NOTE:

PROPOSED MUDLINE EL. (-)43.0' M.L.L.W.
(EL. (-)43.9' M.H.W.) W/1.0' ADVANCED MAINTENANCE
& W/1.0' ALLOWABLE OVERDEPTH.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B

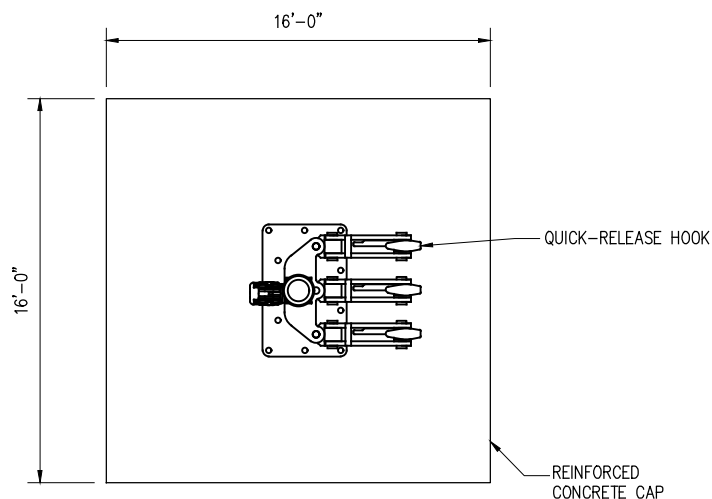
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - OFFSHORE TURNING DOLPHIN DETAILS

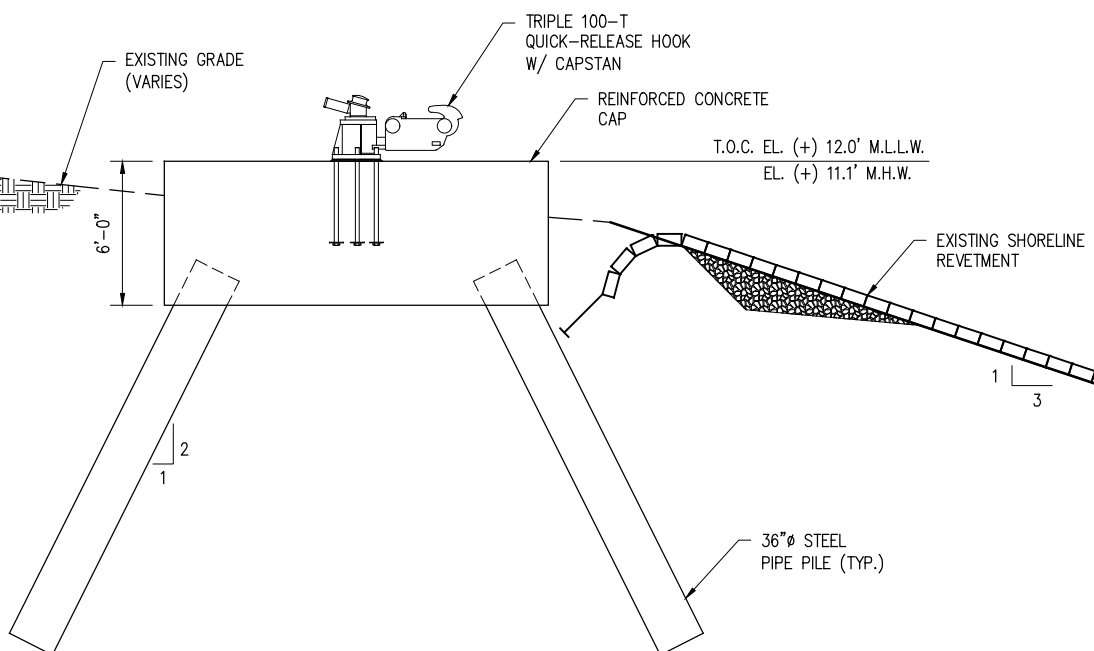
DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
17 OF 49



LANDSIDE MOORING DOLPHIN

PLAN

N.T.S.

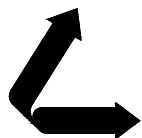


LANDSIDE MOORING DOLPHIN

ELEVATION

N.T.S.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A

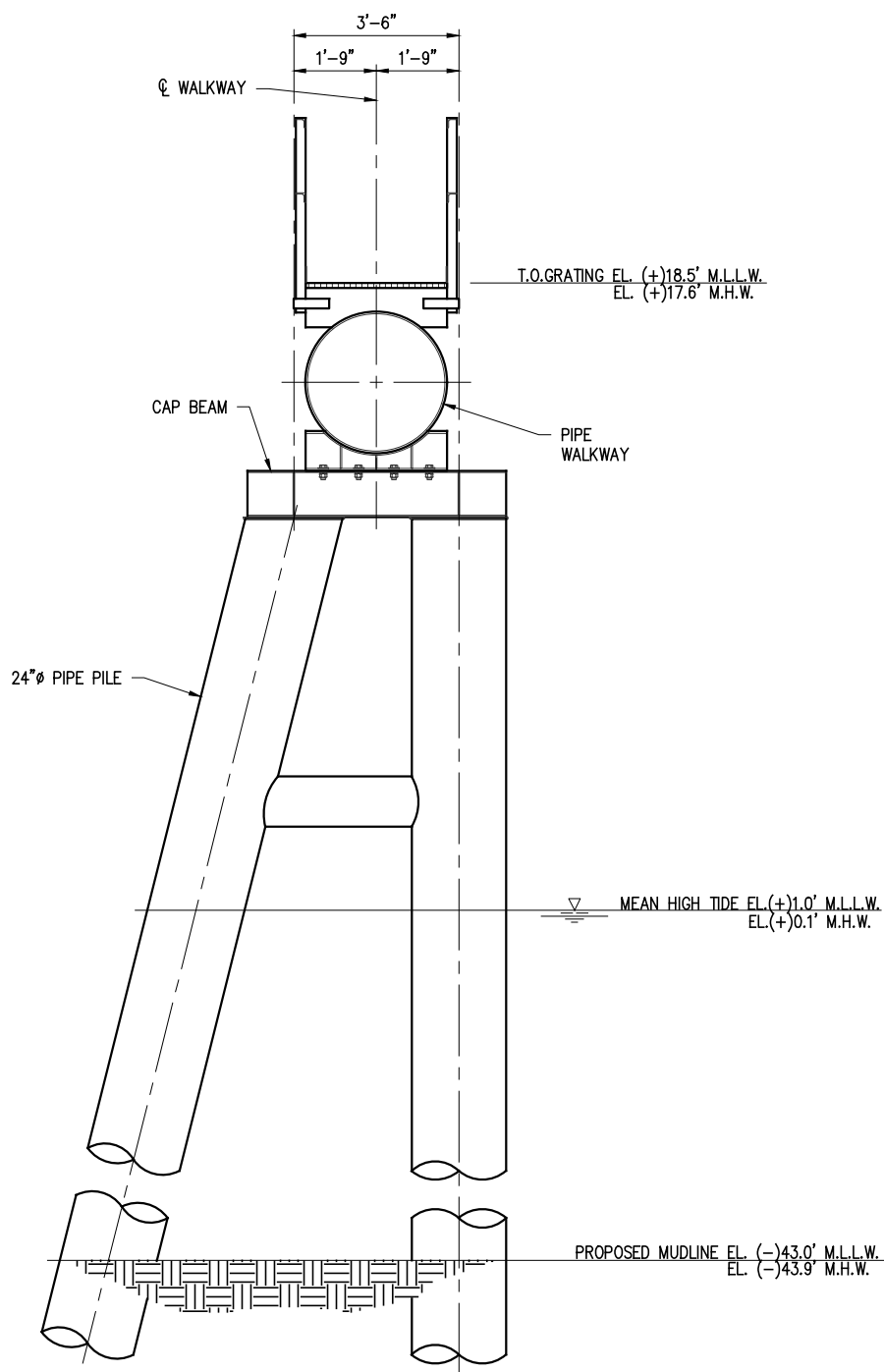
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - LANDSIDE MOORING DOLPHIN DETAILS

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No. 18 OF 49



WALKWAY — ELEVATION

N.T.S.

NOTE:

PROPOSED MUDLINE EL. (-)43.0' M.L.L.W.
(EL. (-)43.9' M.H.W.) W/1.0' ADVANCED MAINTENANCE
& W/1.0' ALLOWABLE OVERDEPTH.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B

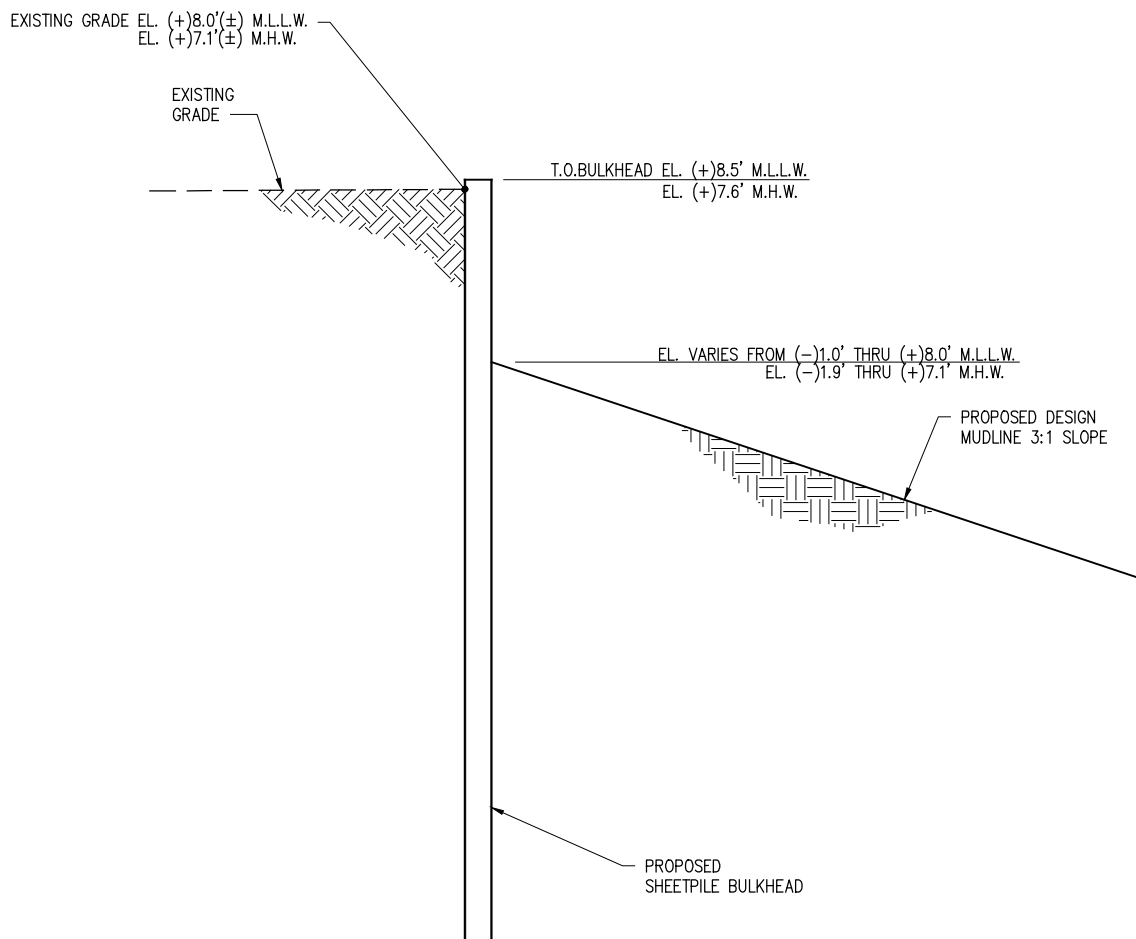
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - WALKWAY ELEVATION

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
19 OF 49



BULKHEAD SECTION

SCALE: 1" = 10'-0"

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

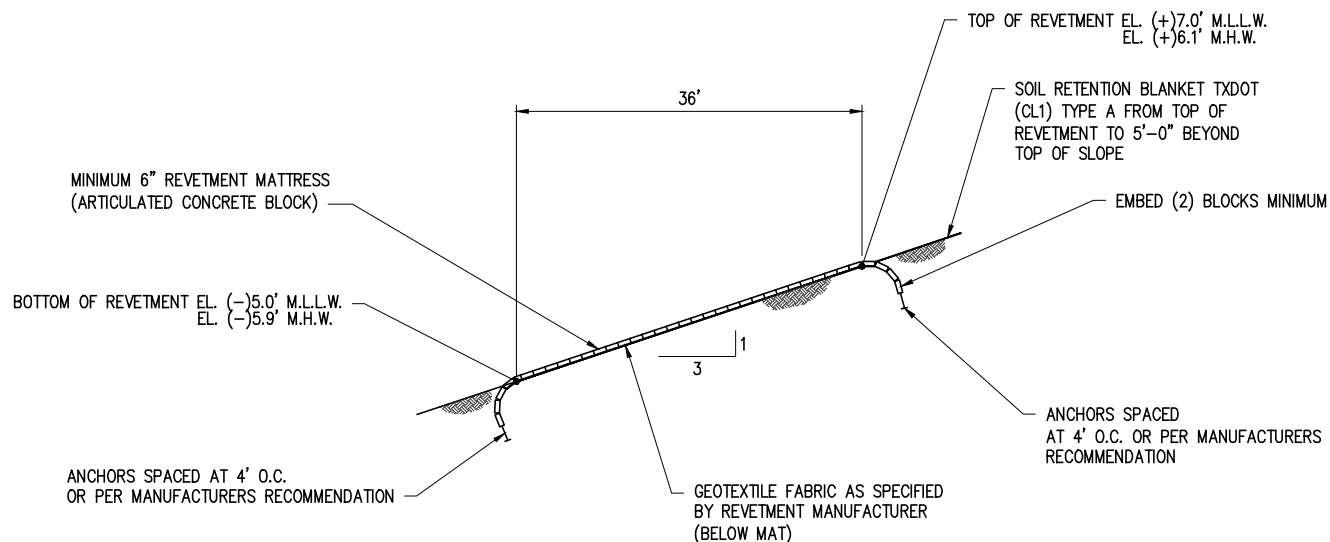
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - BULKHEAD SECTION

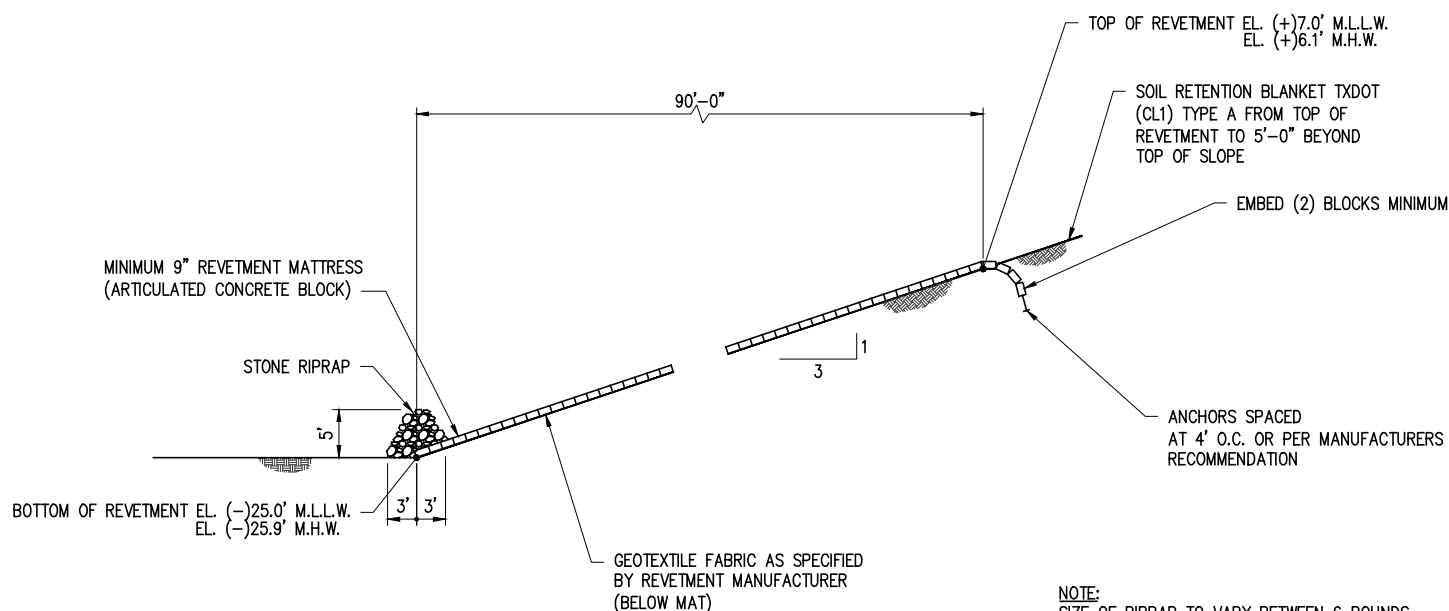
DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
20 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR20.DWG



TYPE A REVETMENT MATTRESS SECTION

N.T.S.



NOTE:
SIZE OF RIPRAP TO VARY BETWEEN 6 POUNDS
AND 125 POUNDS WITH 40 PERCENT TO 60 PERCENT
OF THE STONE WITHIN THE RANGE OF 25 POUNDS
TO 75 POUNDS.

TYPE B REVETMENT MATTRESS SECTION

N.T.S.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B

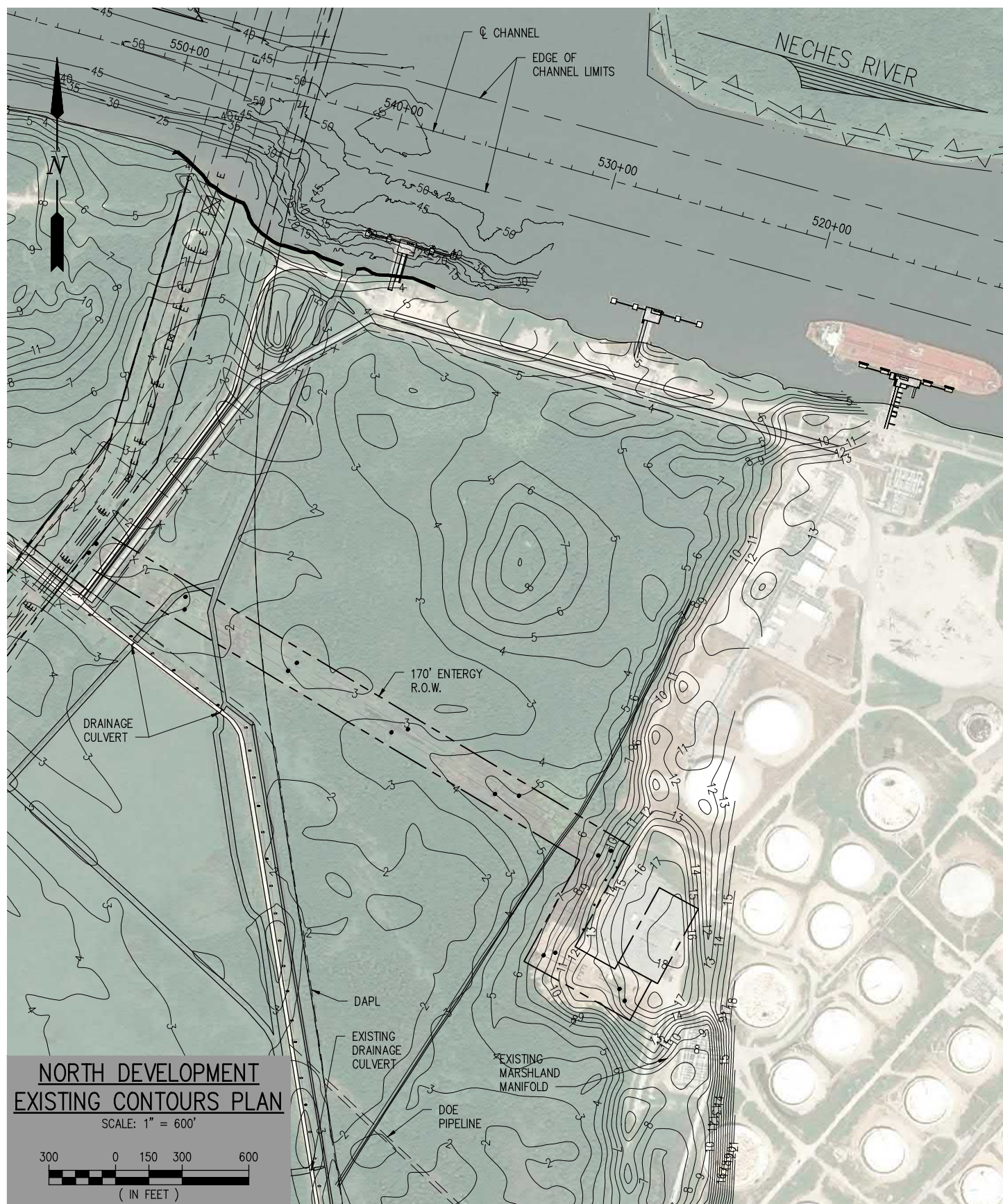
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

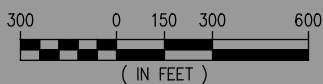
SWG-2007-01401
MODIFICATION REQUEST
DOCK 7/8 - REVETMENT MATTRESS SECTION

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
21 OF 49



**NORTH DEVELOPMENT
EXISTING CONTOURS PLAN**

SCALE: 1" = 600'



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



**LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED**

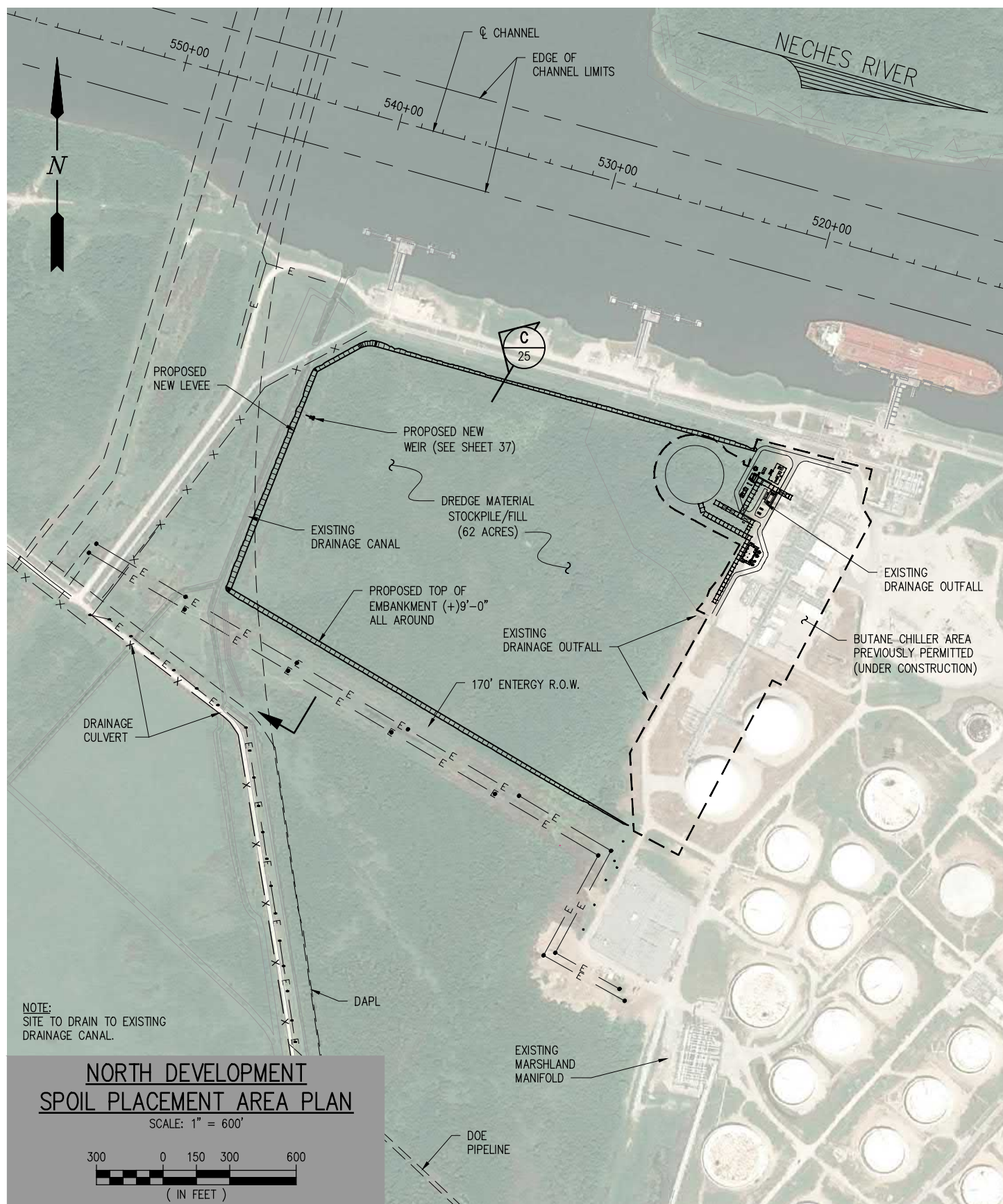
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

**SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS**

**SWG-2007-01401
MODIFICATION REQUEST
NORTH DEV. - EXISTING CONTOURS PLAN**

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
22 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR23.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A

LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

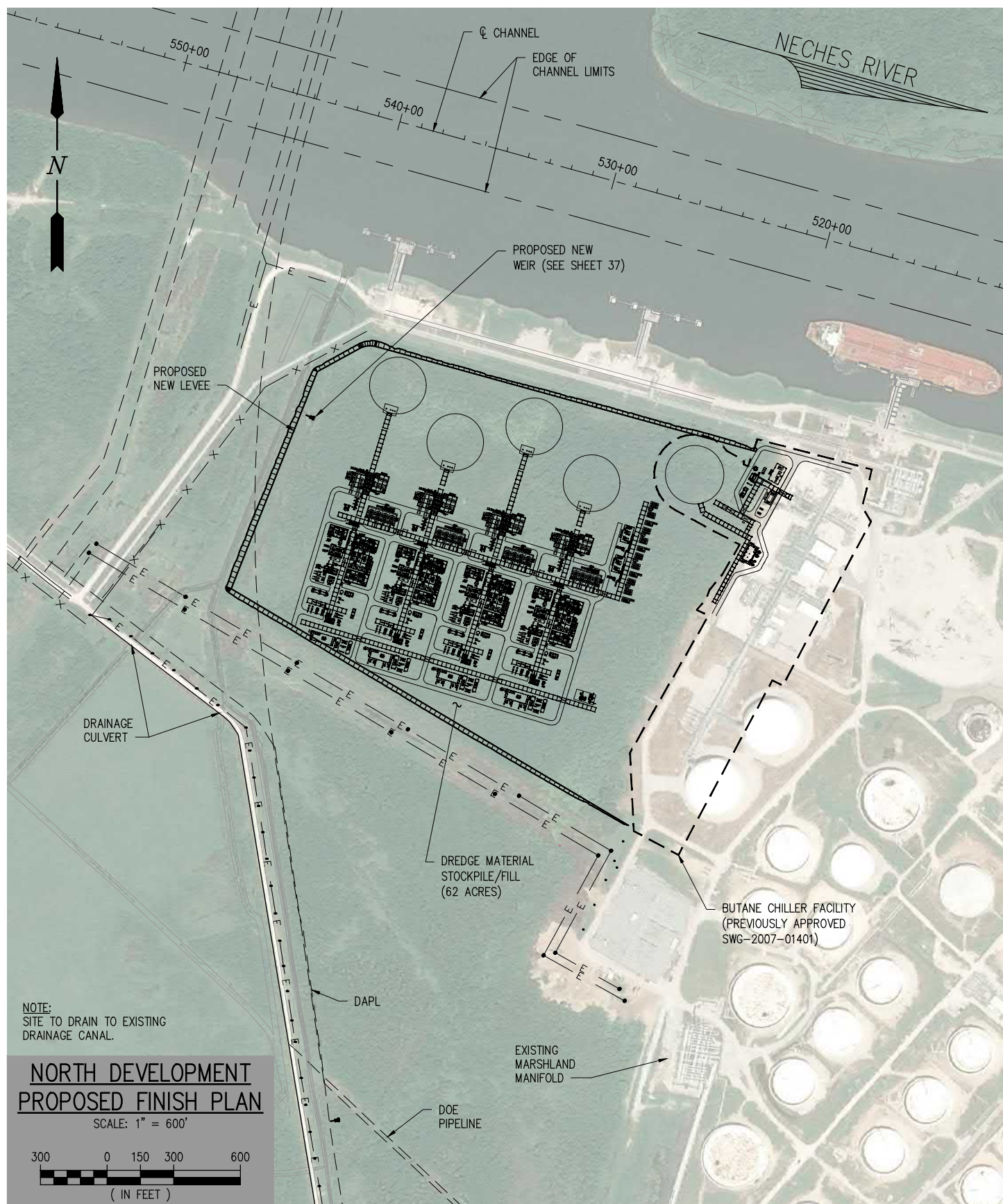
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
NORTH DEV. - SPOIL PLACEMENT AREA PLAN

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
23 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR24.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

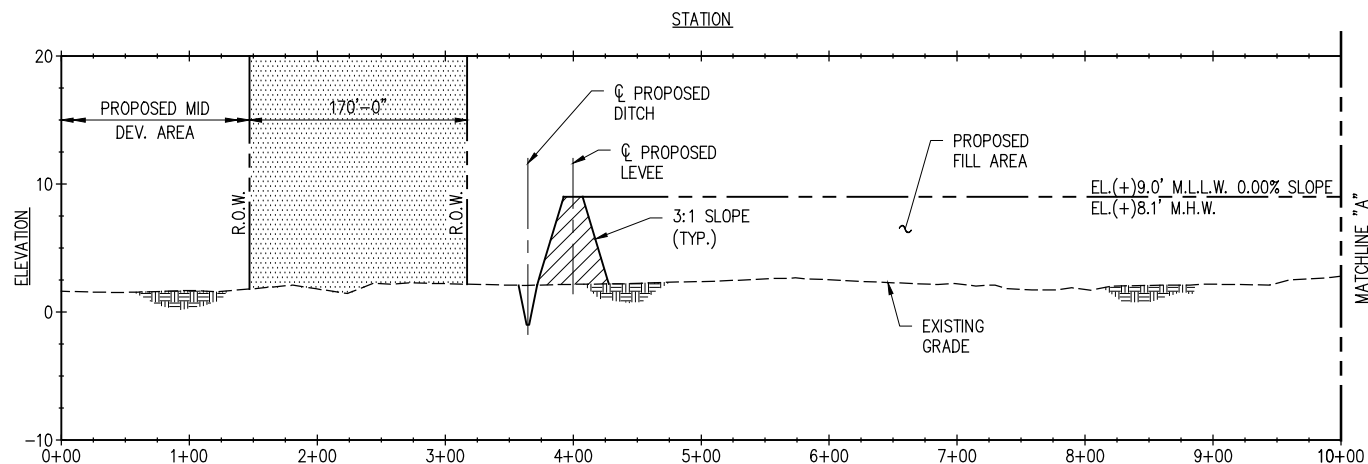
SWG-2007-01401
MODIFICATION REQUEST
NORTH DEV. - PROPOSED FINISH PLAN

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
24 OF 49

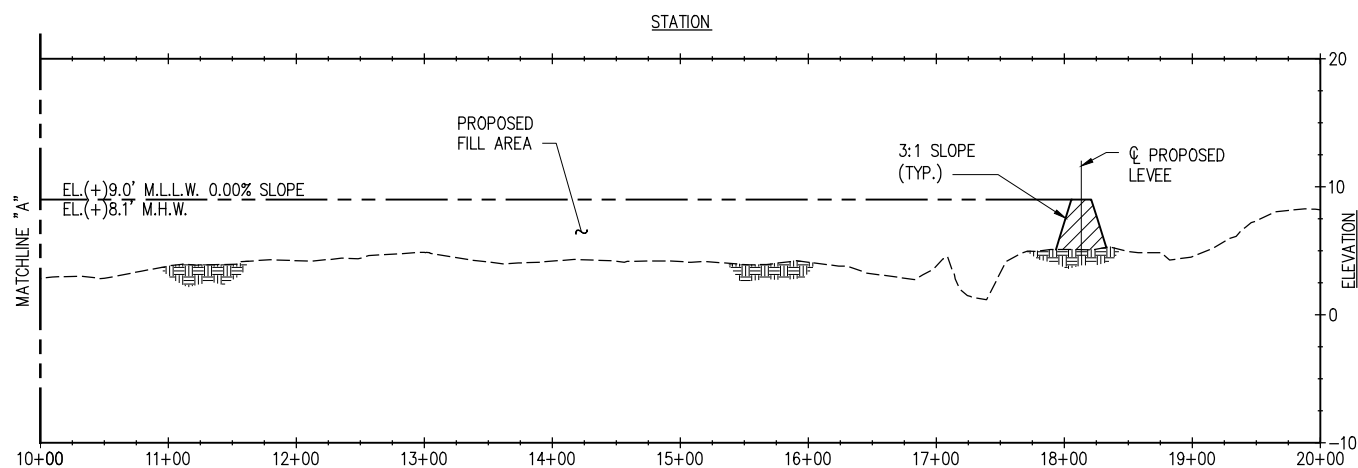
PRELIMINARY - FOR PERMIT PURPOSES ONLY

SWG-2007-01401
MODIFICATION REQUEST
NORTH DEV. - EMBANKMENT CROSS SECTION

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
25 OF 49

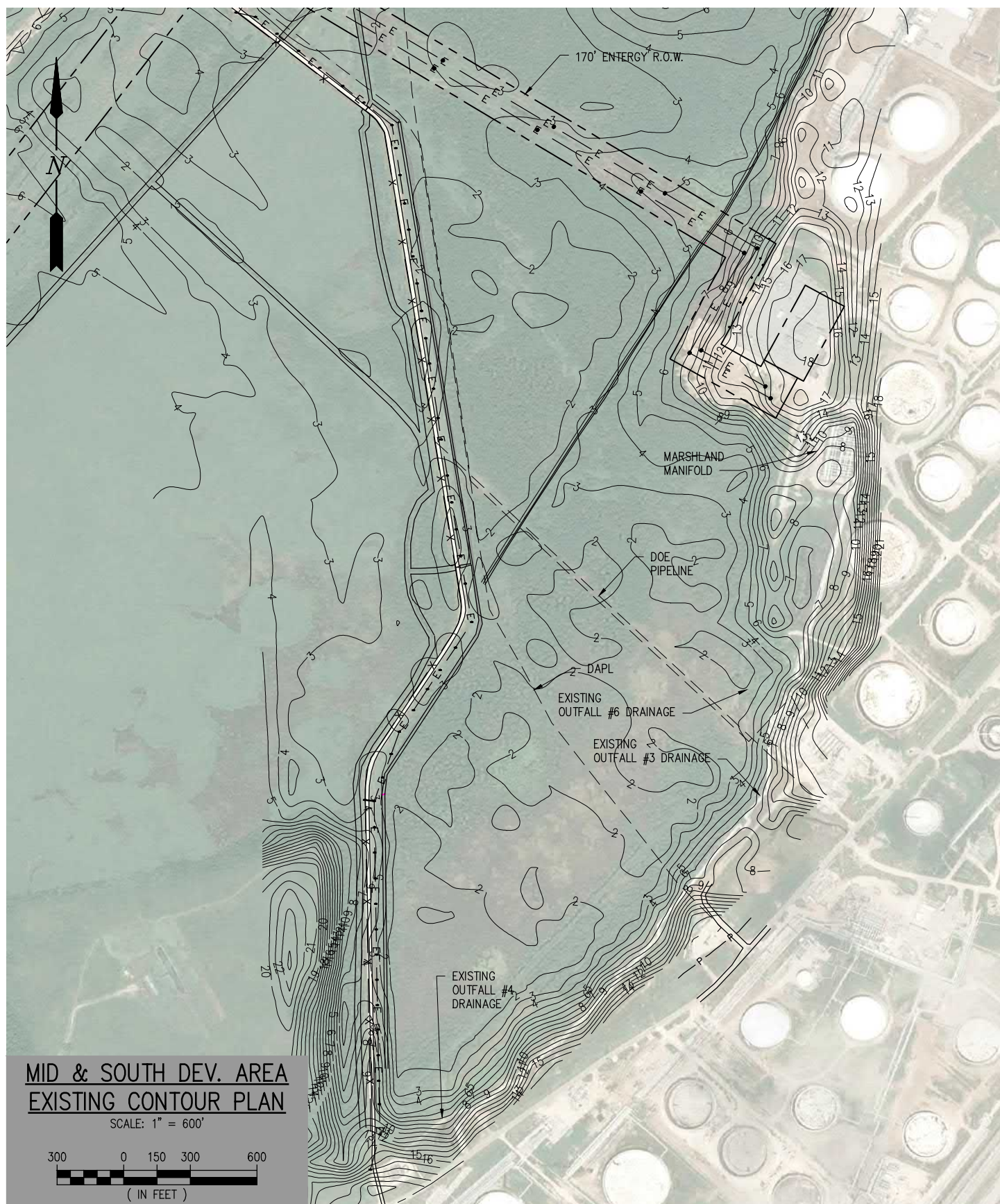


C
23

$$1'' = 150'H / 15'' = 10''V$$


C
23

$$1'' = 150'H / 15'' = 10''V$$
REV
A



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



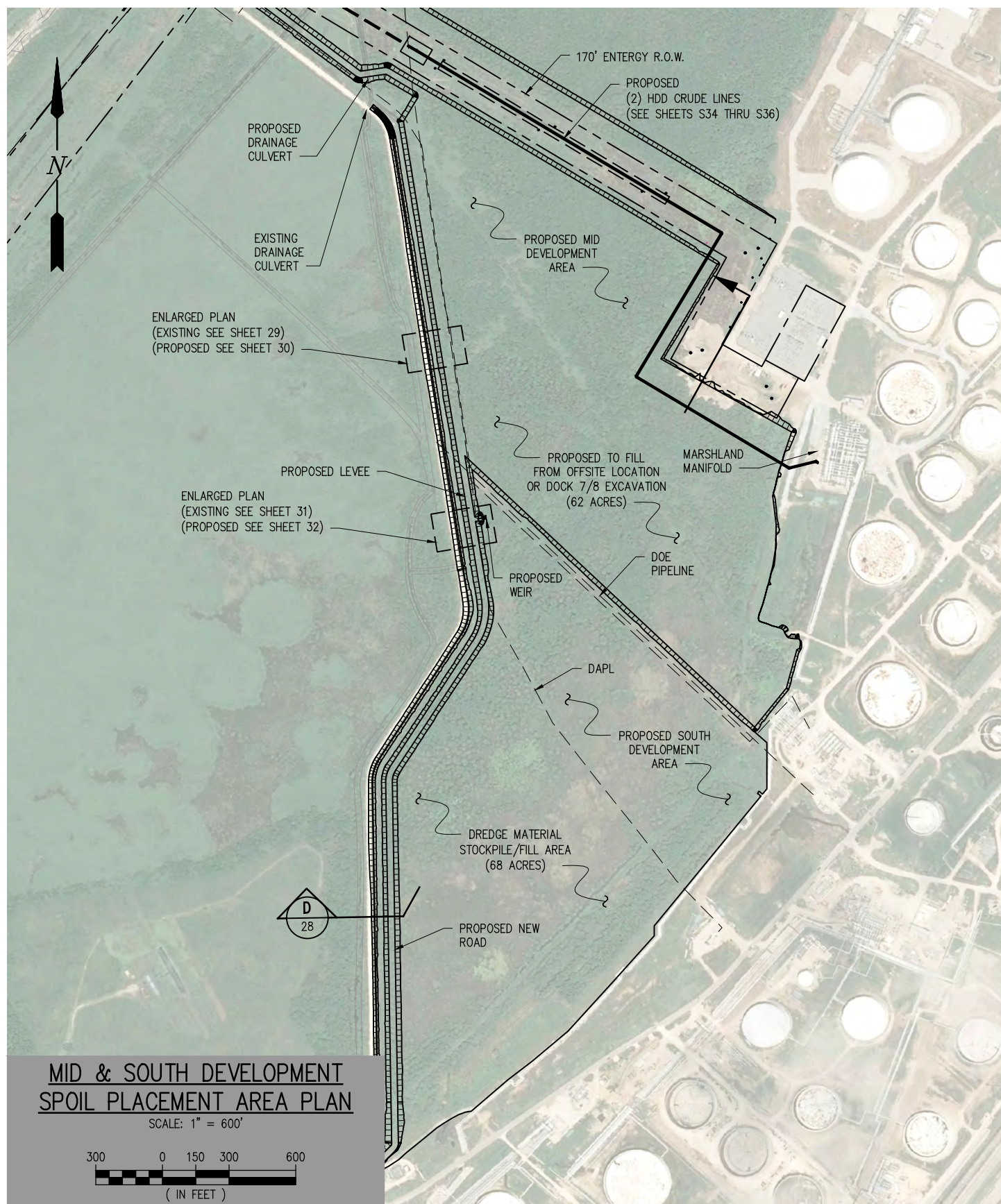
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
MID & SOUTH DEV. - EXISTING CONTOUR PLAN

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
26 OF 49



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

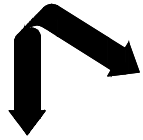
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
MID & SOUTH DEV. - SPOIL PLACEMENT AREA PLAN

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
27 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR28.DWG

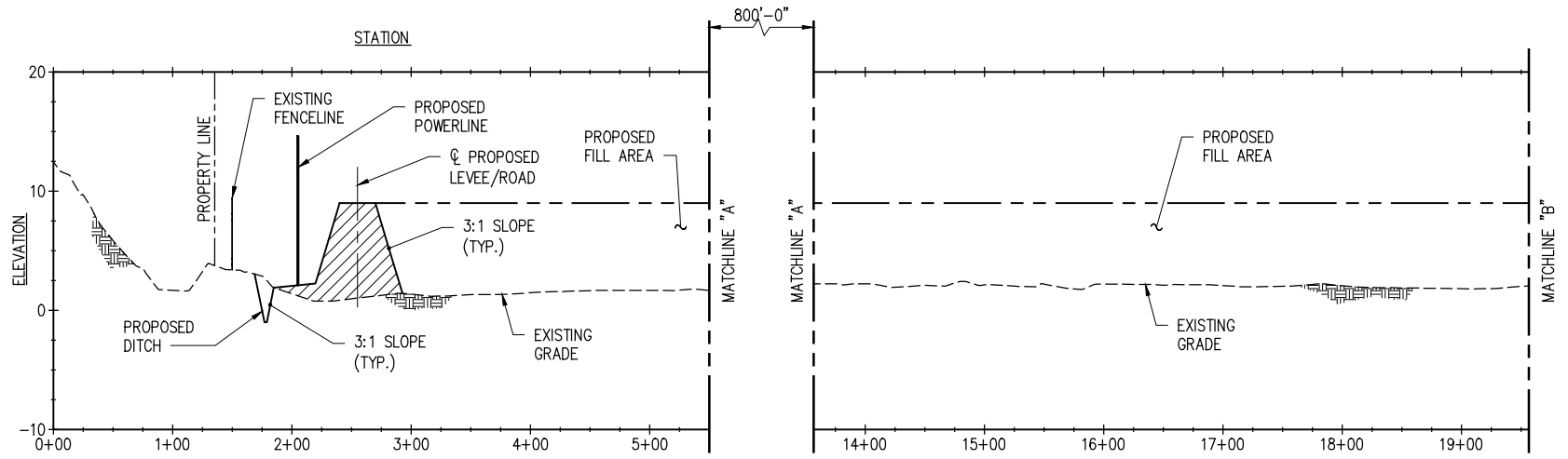


LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS
MODIFICATION REQUEST
SWG-2007-01401
MID & SOUTH DEV. - EMBANKMENT CROSS SECTION

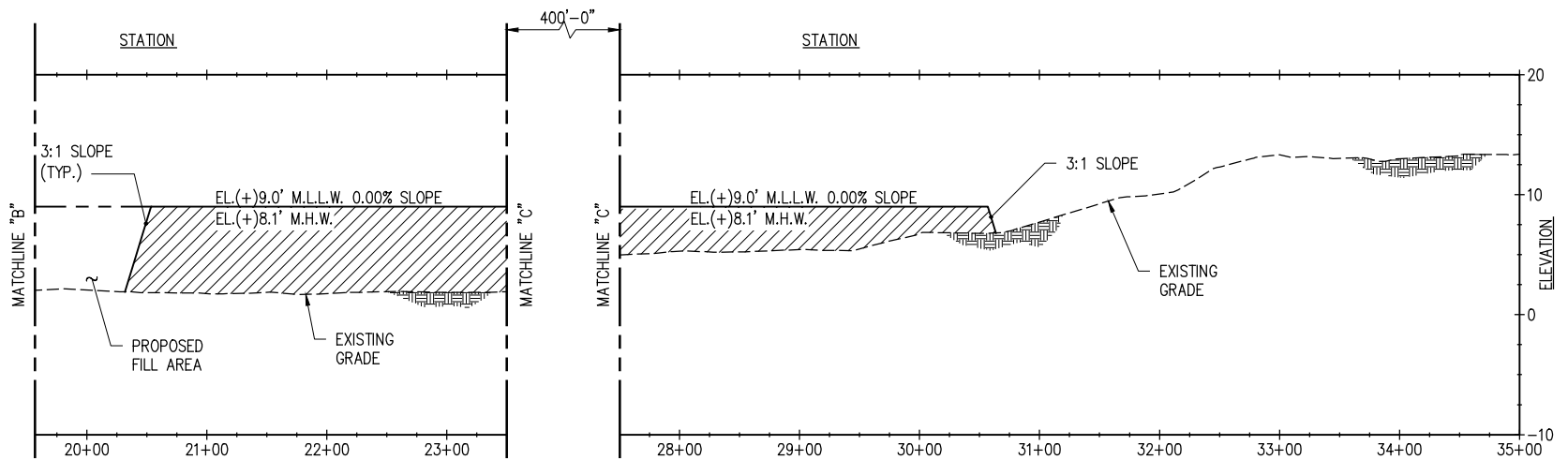
DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No. 28 OF 49



**SOUTH DEV.
CROSS SECTION**

1"=150'H/15"=10"V

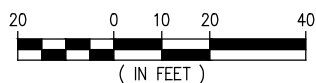
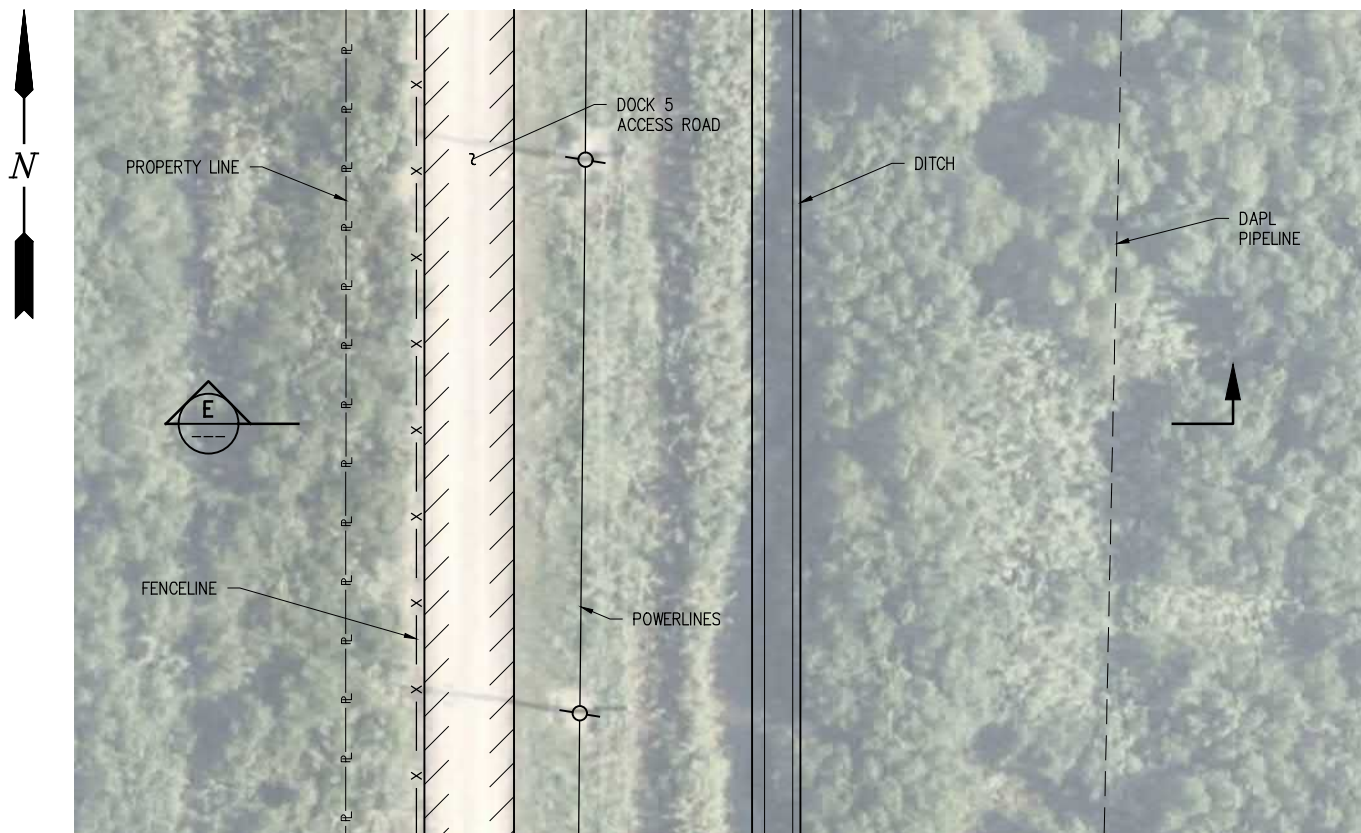
D
27



**MID DEV.
CROSS SECTION**

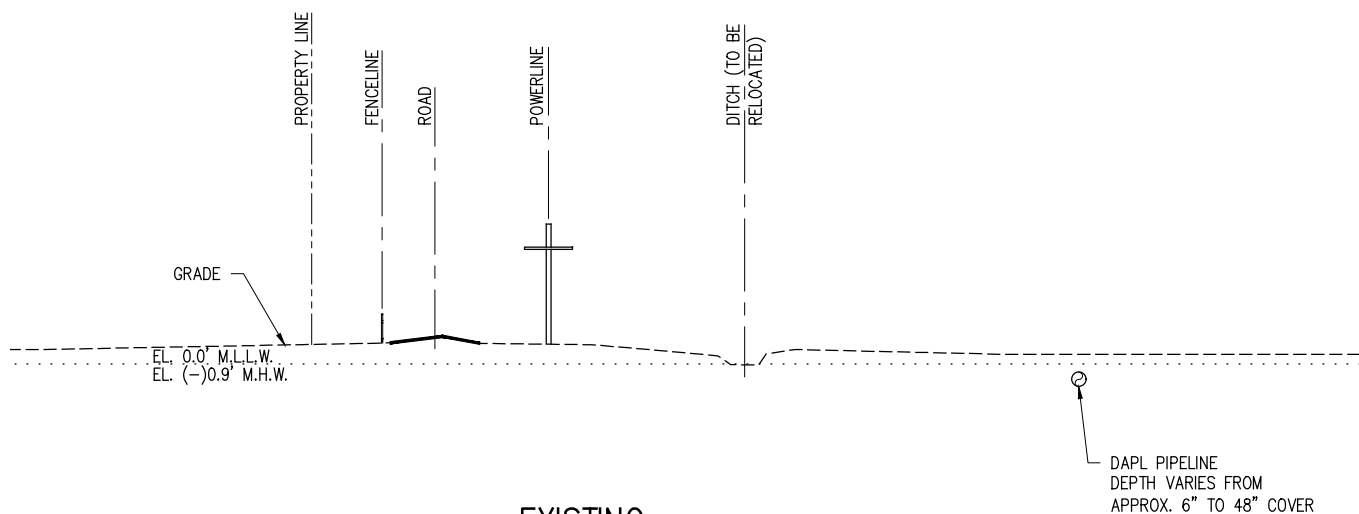
1"=150'H/15"=10"V

D
27



EXISTING ENLARGED PLAN

SCALE: 1" = 40'-0"



EXISTING CROSS SECTION

SCALE: 1" = 40'-0"



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



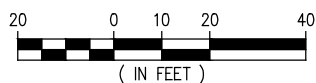
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

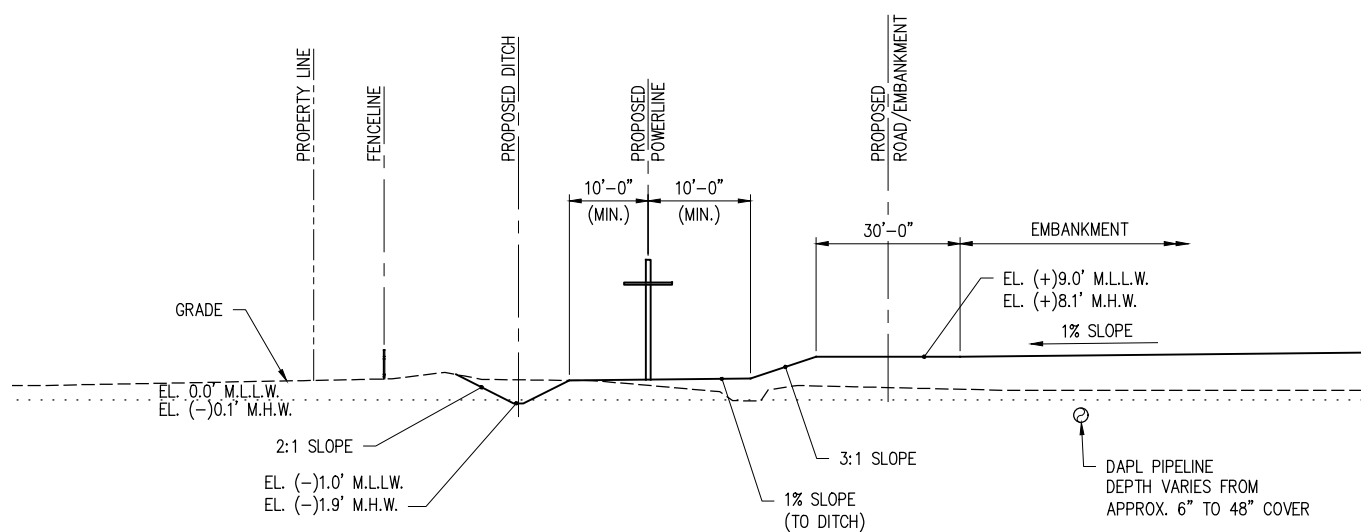
SWG-2007-01401
MODIFICATION REQUEST
MID DEV. - EXISTING PLAN & SECTION

DATE MARCH 2020
DESIGN _____
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
29 OF 49



PROPOSED ENLARGED PLAN

SCALE: 1" = 40'-0"



PROPOSED CROSS SECTION

SCALE: 1" = 40'-0"



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



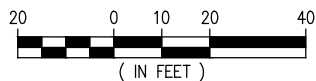
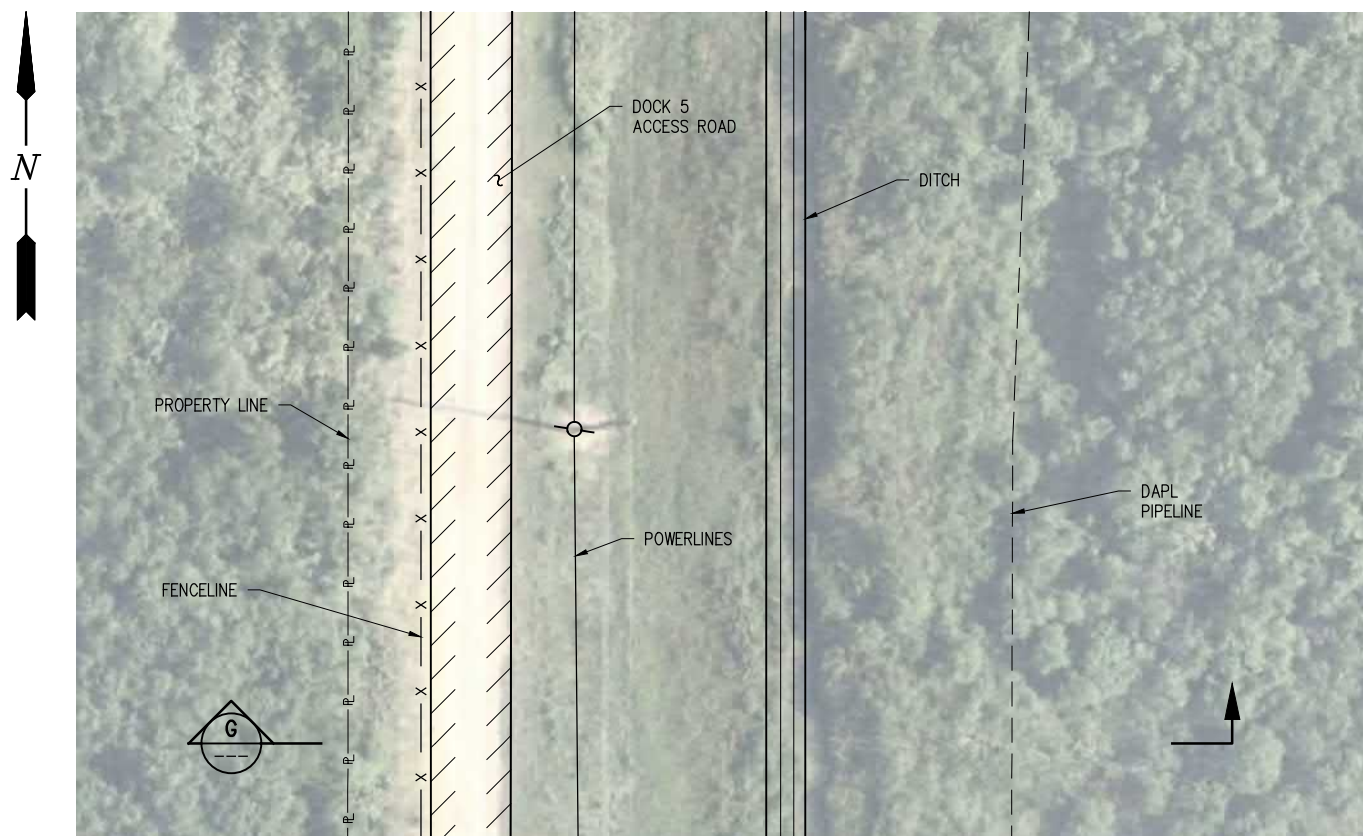
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

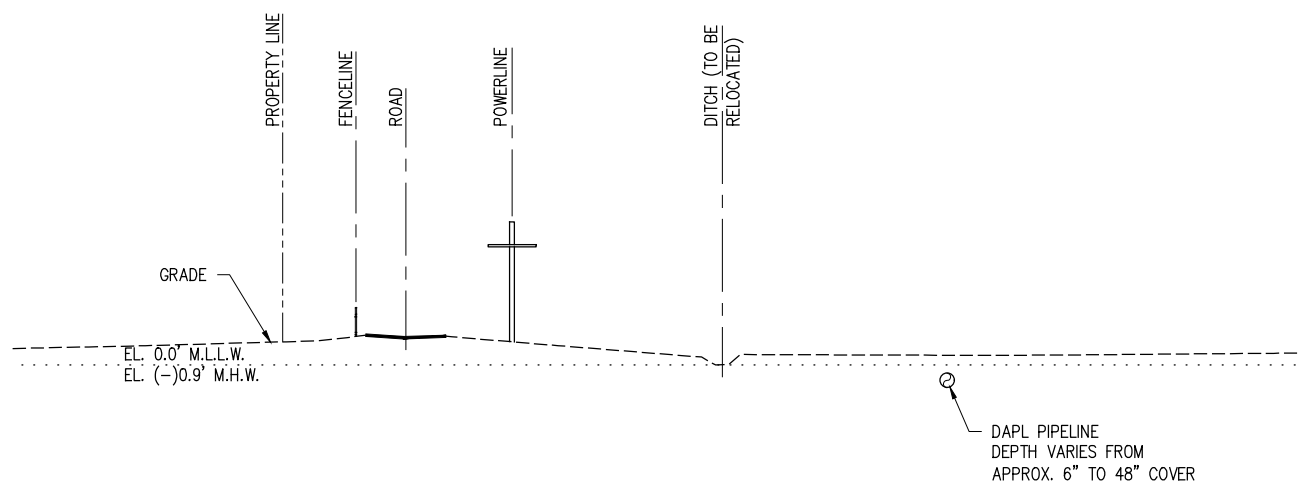
SWG-2007-01401
MODIFICATION REQUEST
MID DEV. - PROPOSED PLAN & SECTION

DATE MARCH 2020
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
30 OF 49



EXISTING ENLARGED PLAN

SCALE: 1" = 40'-0"



EXISTING CROSS SECTION

SCALE: 1" = 40'-0"



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



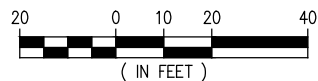
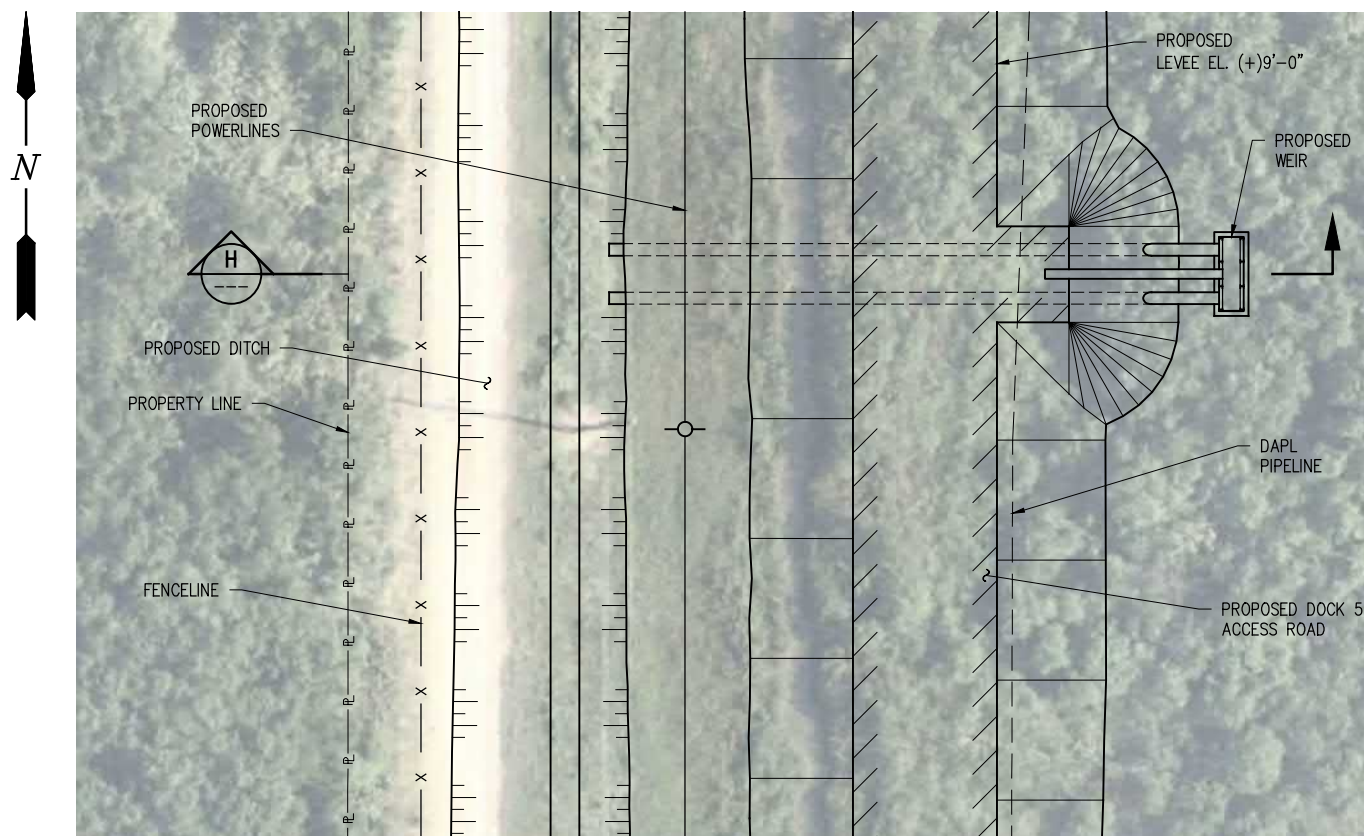
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

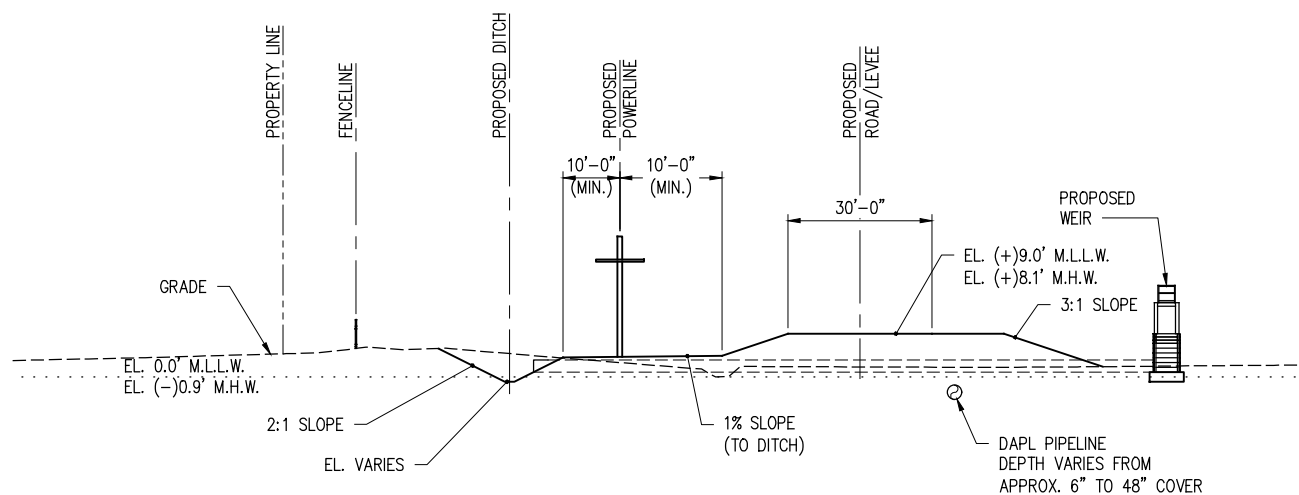
SWG-2007-01401
MODIFICATION REQUEST
SOUTH DEV. - EXISTING PLAN & SECTION

DATE MARCH 2020
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
31 OF 49



PROPOSED ENLARGED PLAN

SCALE: 1" = 40'-0"



PROPOSED CROSS SECTION

SCALE: 1" = 40'-0"



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



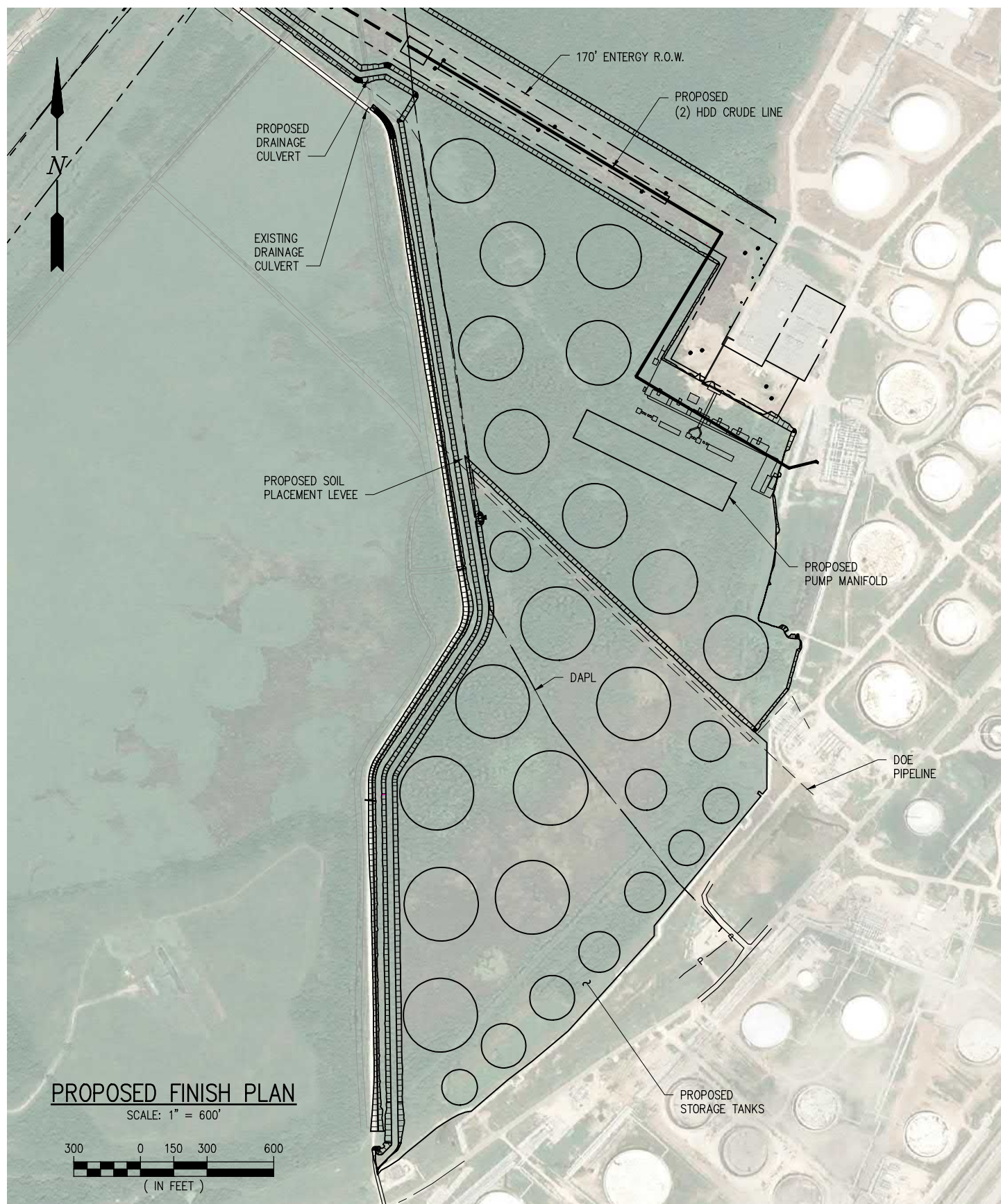
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
SOUTH DEV. - PROPOSED PLAN & SECTION

DATE MARCH 2020
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
32 OF 49



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

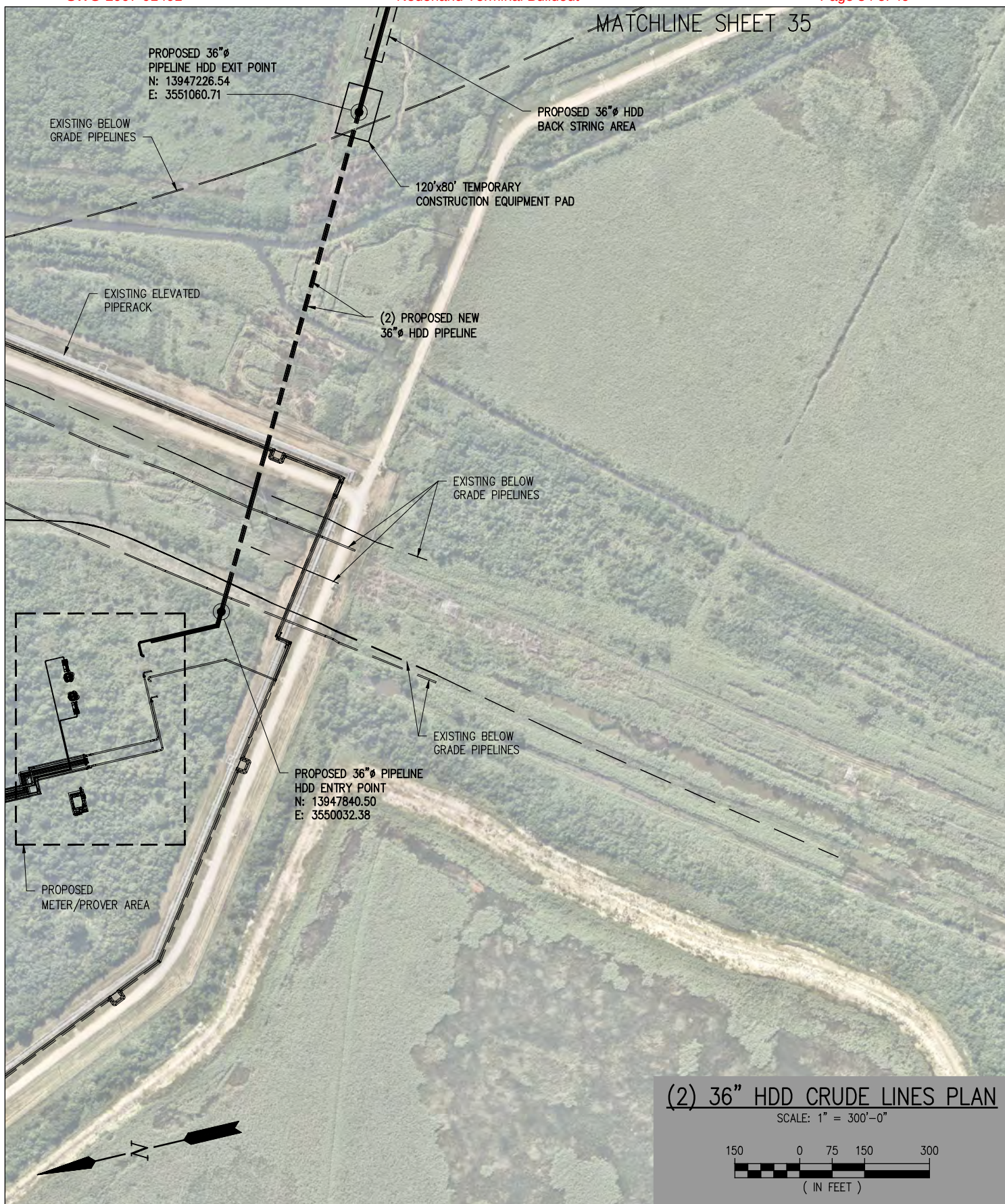
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

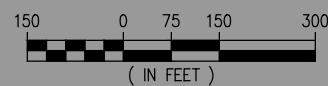
SWG-2007-01401
MODIFICATION REQUEST
MID & SOUTH DEV. - PROPOSED FINISH PLAN

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No. 33 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR34.DWG

**(2) 36" HDD CRUDE LINES PLAN**

SCALE: 1" = 300'-0"

**PRELIMINARY - FOR PERMIT PURPOSES ONLY**REV
B

LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

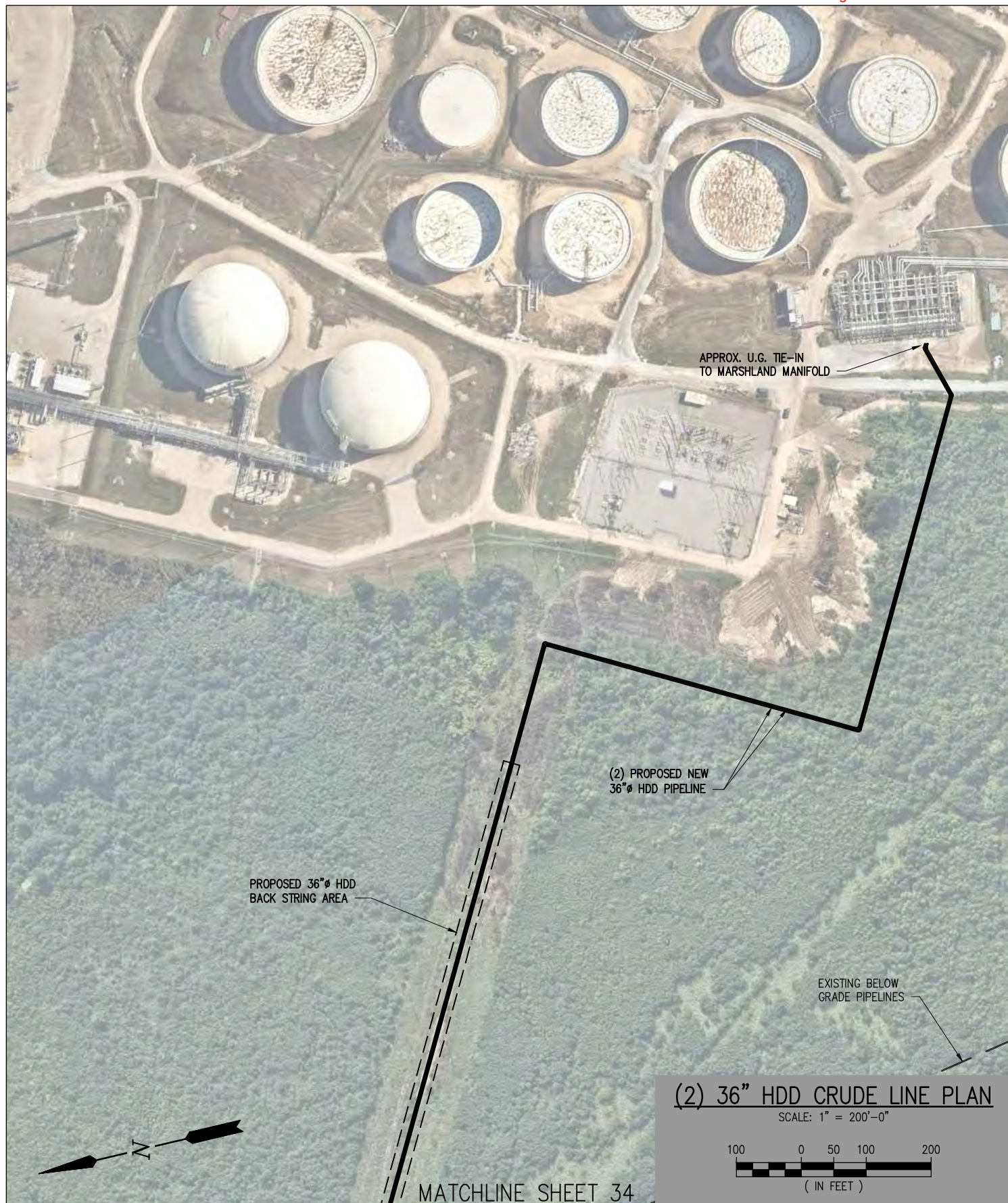
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
36" Ø HDD CRUDE LINES - PLAN 01

DATE MARCH 2020
DESIGN _____
DRAWN RAD
CHECK BNF
JOB NO 10697
SHEET No.
34 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR35.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

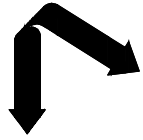
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
36" Ø HDD CRUDE LINES - PLAN 02

DATE MARCH 2020
DESIGN
DRAWN RAD
CHECK BNF
JOB NO 10697
SHEET No.
35 OF 49

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR36.DWG



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

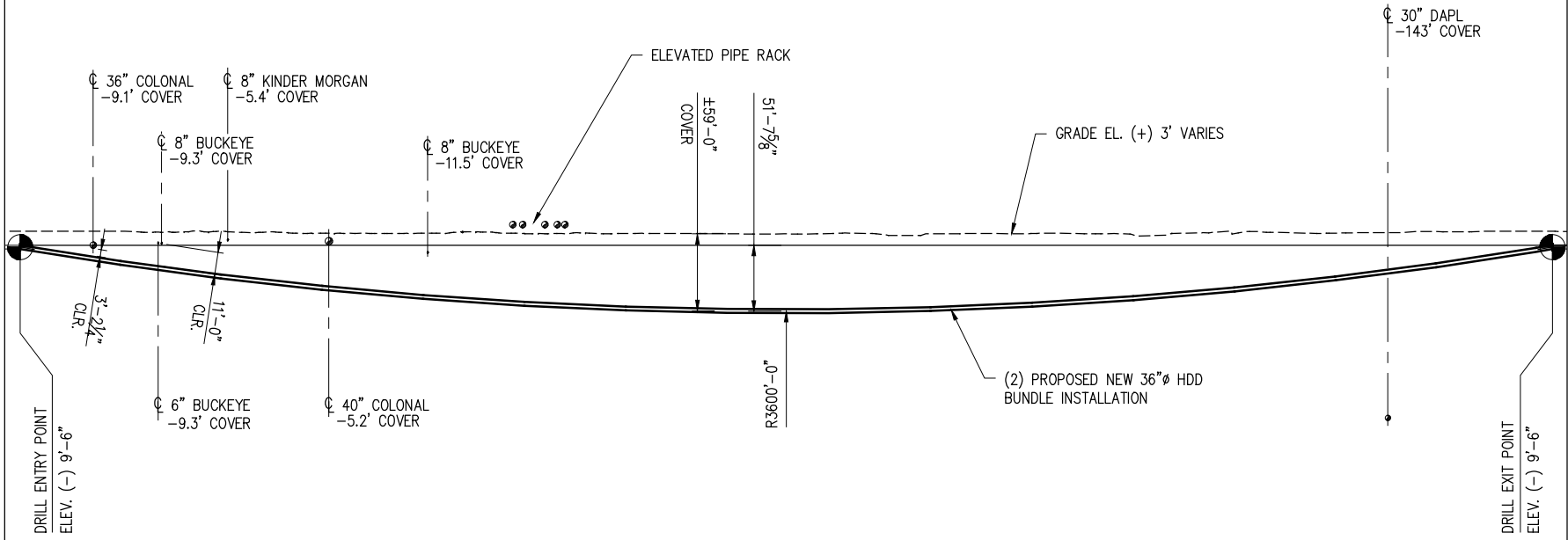
PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
36" Ø HDD CRUDE LINE - PROFILE

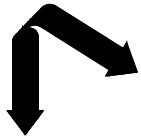
DATE MARCH 2020
DESIGN _____
DRAWN _____ RAD
CHECK _____ BNF
JOB NO 10697
SHEET No. 36 OF 49

REV
A



(2) 36"Ø HDD CRUDE LINE PROFILE
N.T.S.

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR37.DWG



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120
NEW ORLEANS, LA • BEAUMONT, TX
TX: F-2981

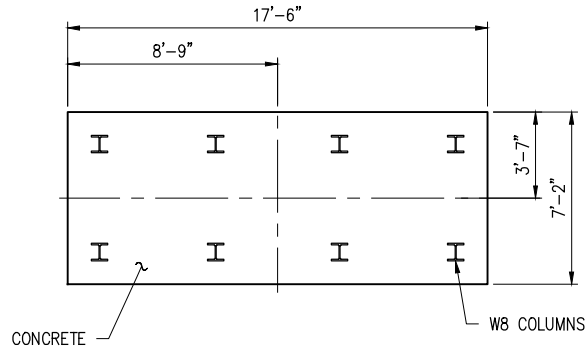
PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND
TEXAS

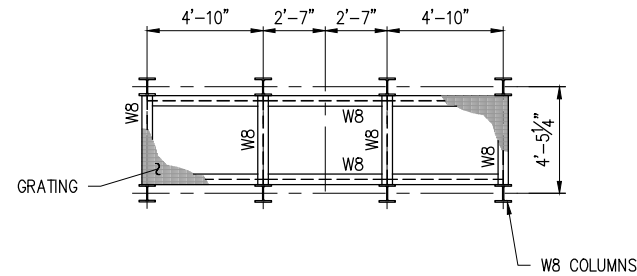
SWG-2007-01401
MODIFICATION REQUEST
WEIR DETAILS

DATE MARCH 2020
DESIGN JPL
DRAW N/A
CHECK BNF
JOB NO 10697
SHEET No. 37 OF 49

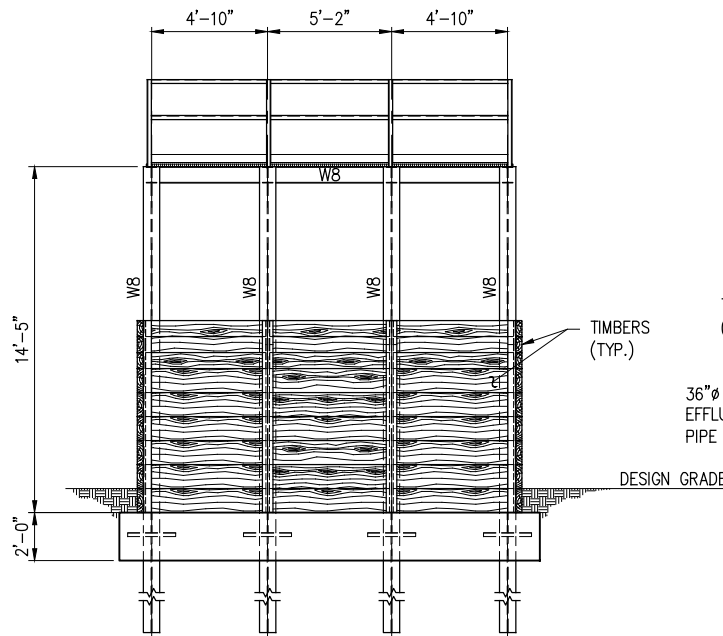
REV
A



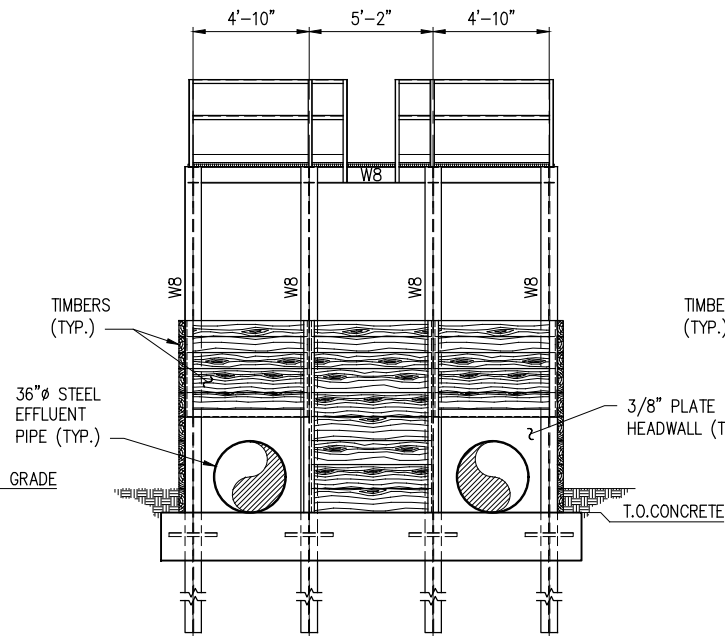
FOUNDATION PLAN
N.T.S.



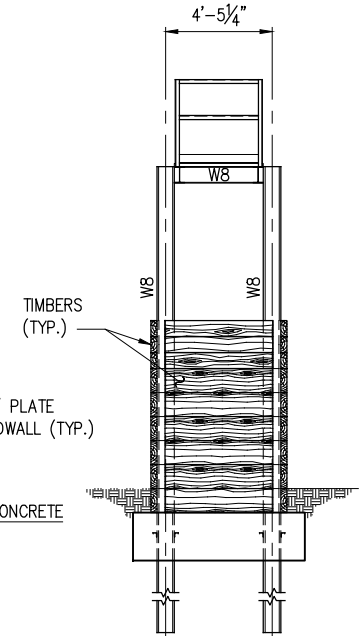
PLAN @ T.O. STEEL
N.T.S.



WEST ELEVATION
N.T.S.



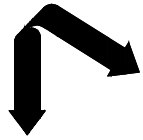
EAST ELEVATION
N.T.S.



NORTH & SOUTH ELEVATION
N.T.S.

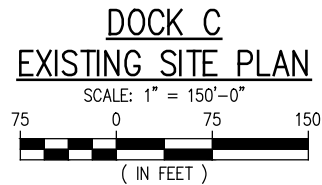
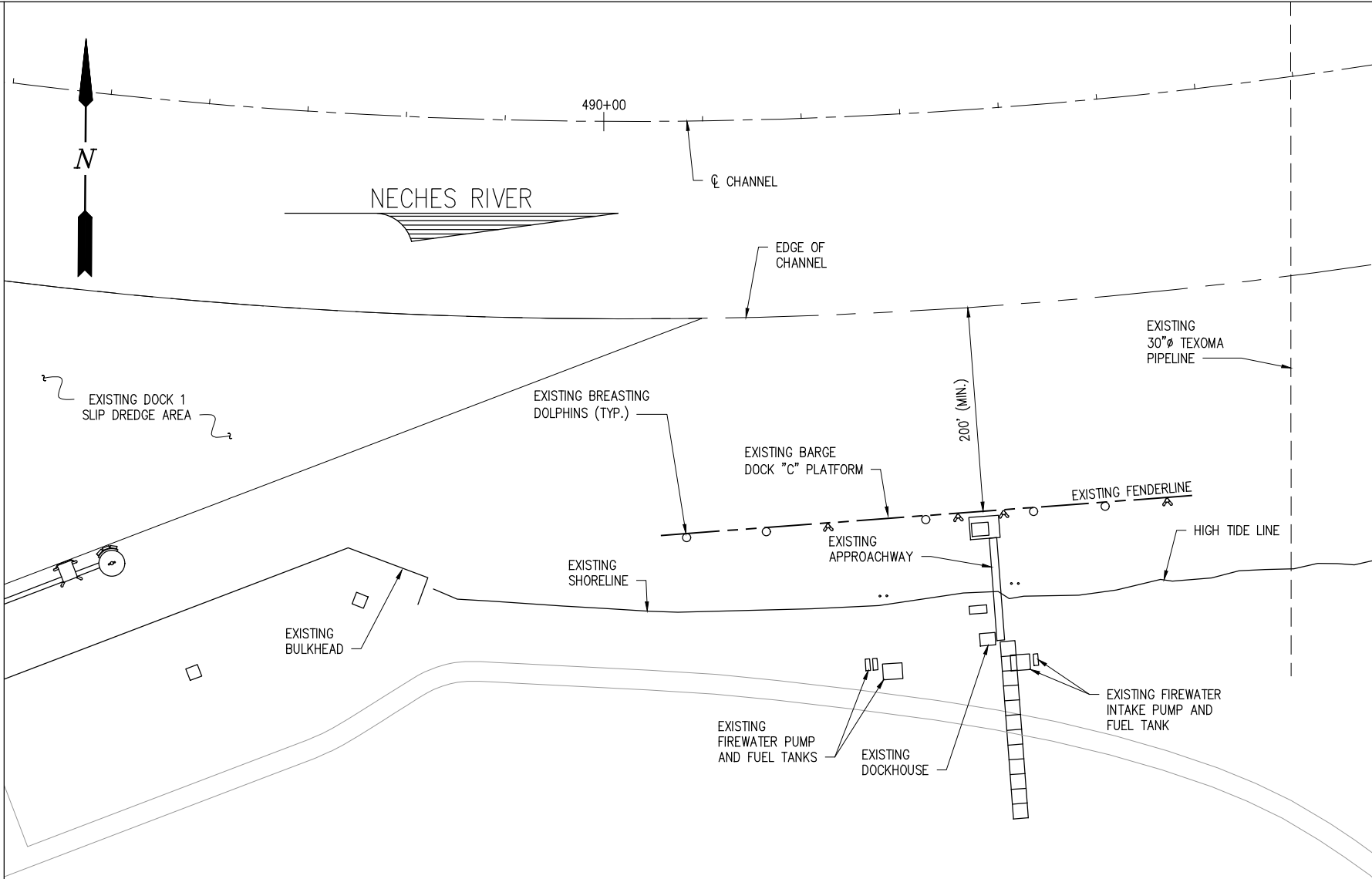
NOTE:
EFFLUENT PIPE NOT
SHOWN FOR CLARITY.

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR38.DWG



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY



SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

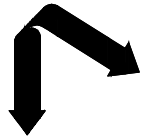
SWG-2007-01401

MODIFICATION REQUEST
DOCK C - EXISTING SITE PLAN

DATE MARCH 2020
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
38 OF 49

REV
A

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR39.DWG



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

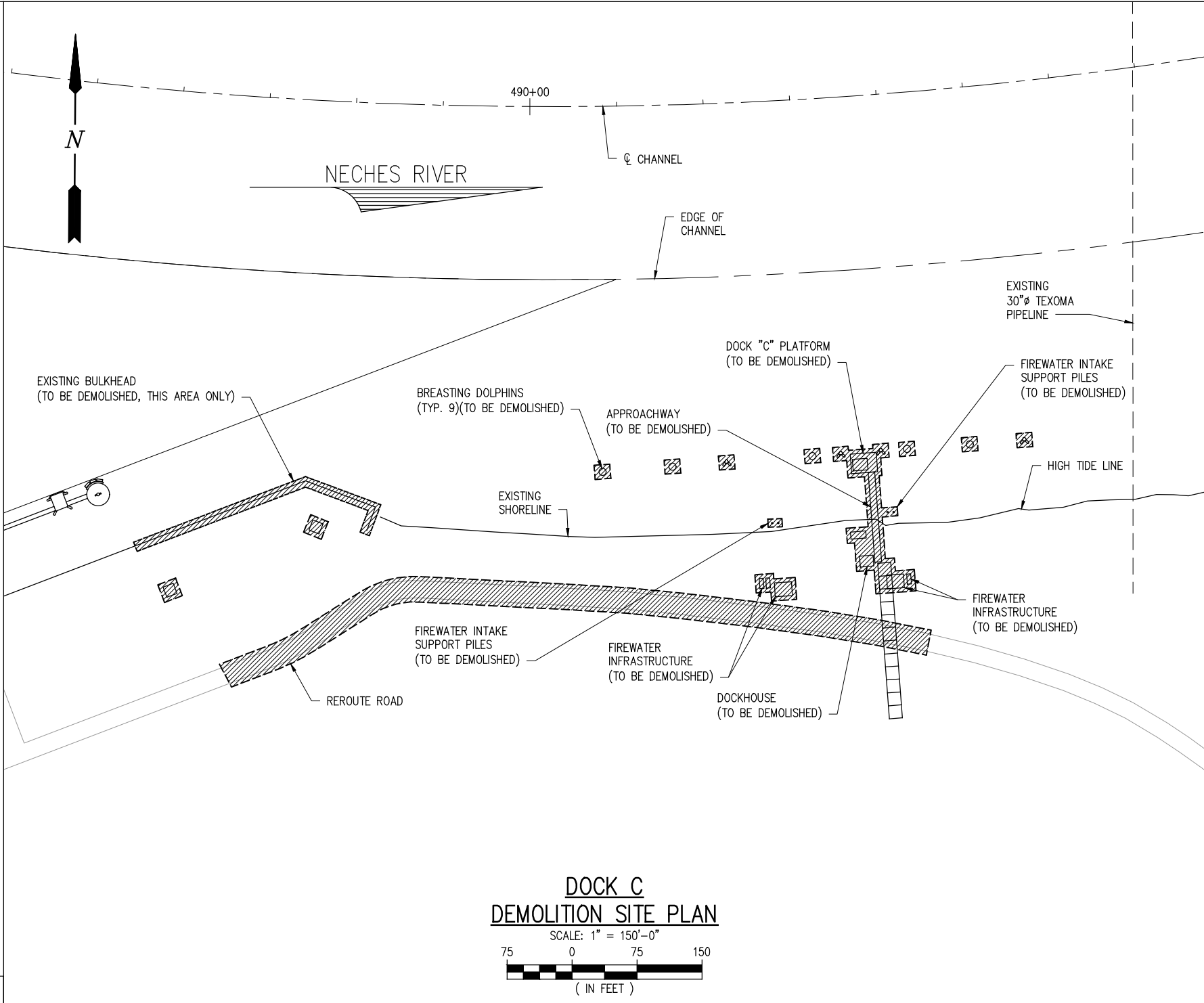
PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND
TEXAS

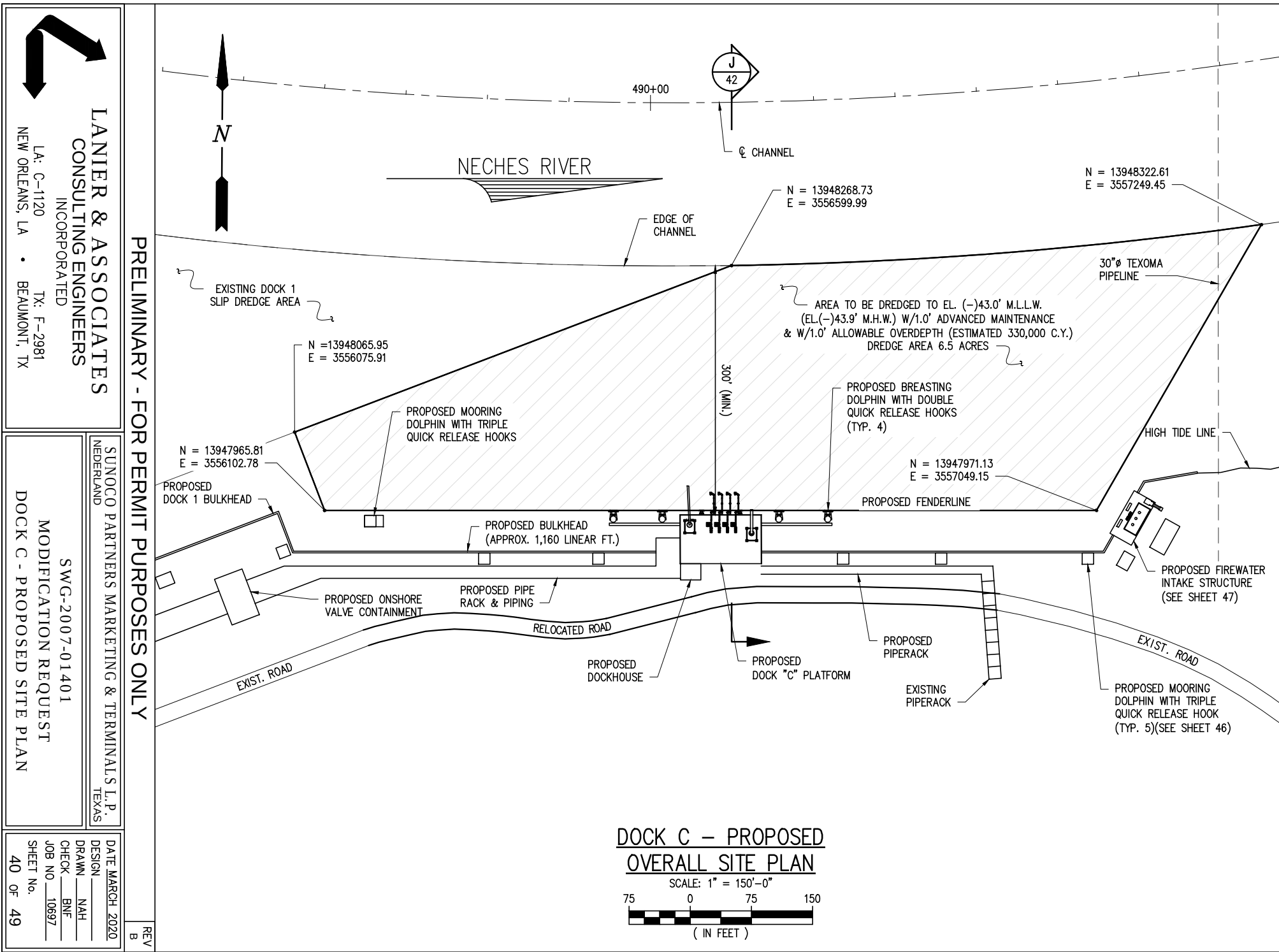
SWG-2007-01401
MODIFICATION REQUEST
DOCK C - DEMOLITION SITE PLAN

DATE: MARCH 2020
DESIGN: NAH
DRAWN: NAH
CHECK: BNF
JOB NO: 10697
SHEET NO: 39 OF 49

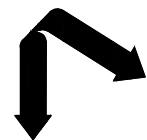
REV
A



J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR40.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY



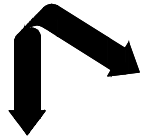
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS
SWG-2007-01401
MODIFICATION REQUEST
DOCK C - PROPOSED SITE PLAN

DATE MARCH 2020
DESIGN NAH
DRAW BNF
CHECK BNF
JOB NO. 10697
SHEET NO. 40 OF 49

REV B

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR41.DWG



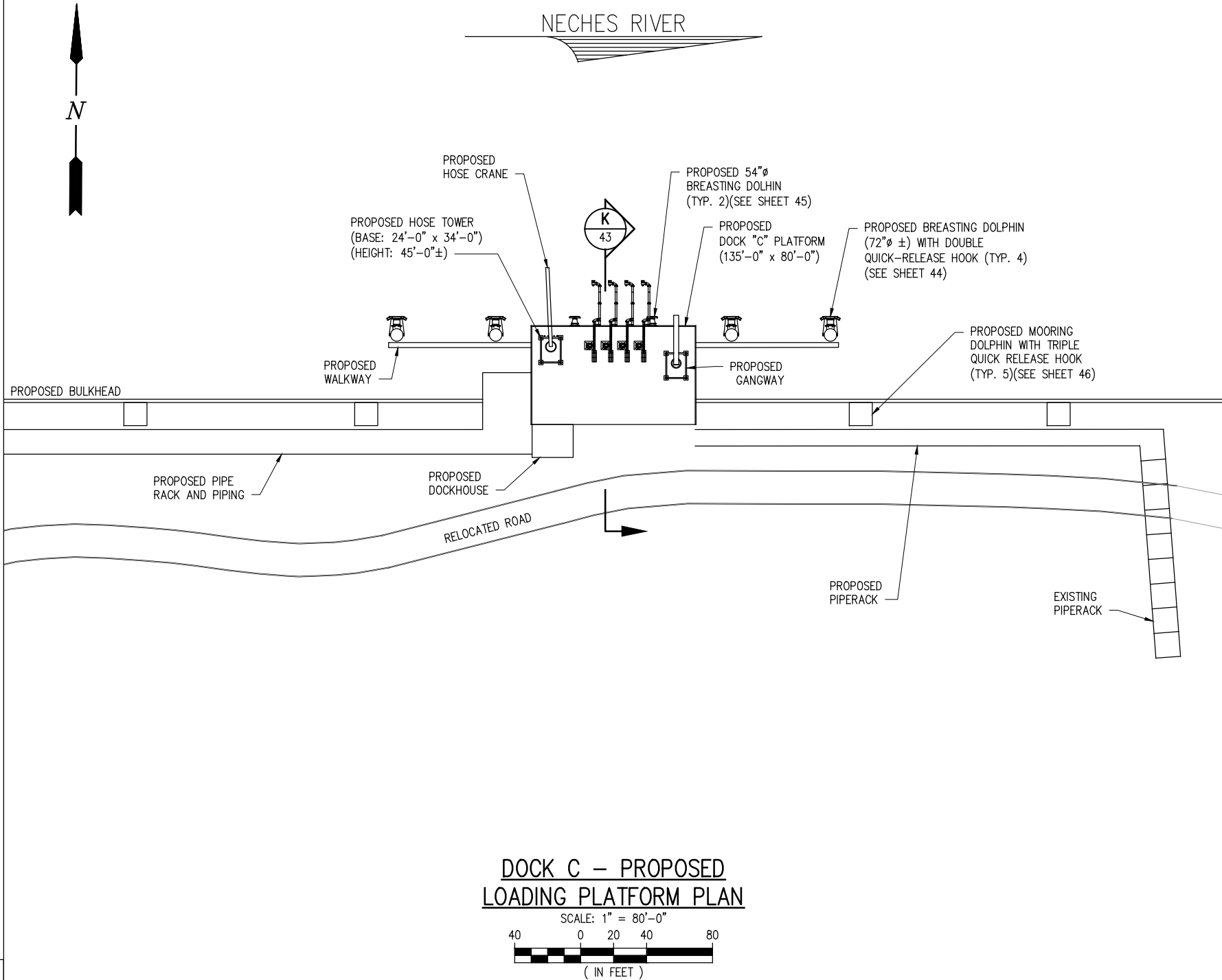
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY

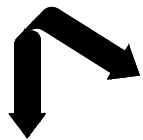
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND, TEXAS
SWG-2007-01401
MODIFICATION REQUEST
DOCK C - PROPOSED LOADING PLATFORM PLAN

DATE: MARCH 2020
DESIGN: NAH
DRAWN: NAH
CHECK: BNF
JOB NO: 10697
SHEET NO: 41 OF 49

REV
A



J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR42.DWG



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

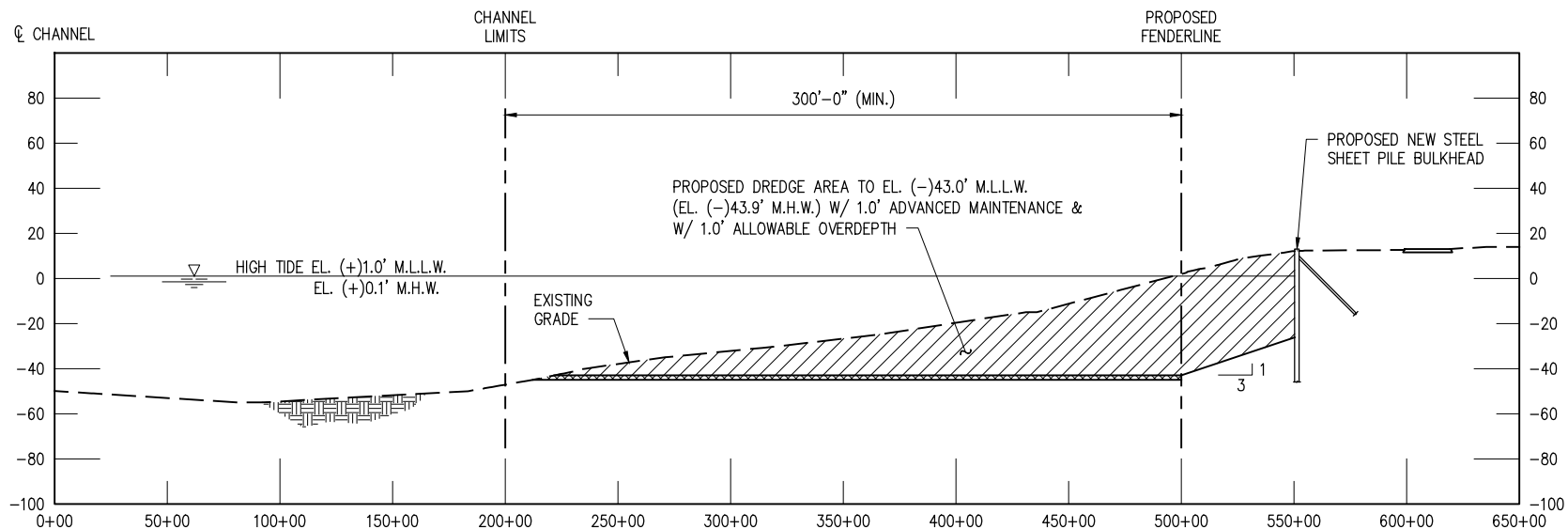
PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK C - PROPOSED DREDGE SECTION

DATE MARCH 2020
DESIGN NAH
DRAWN NAH
CHECK BNF
JOB NO. 10697
SHEET NO. 42 OF 49

REV
B

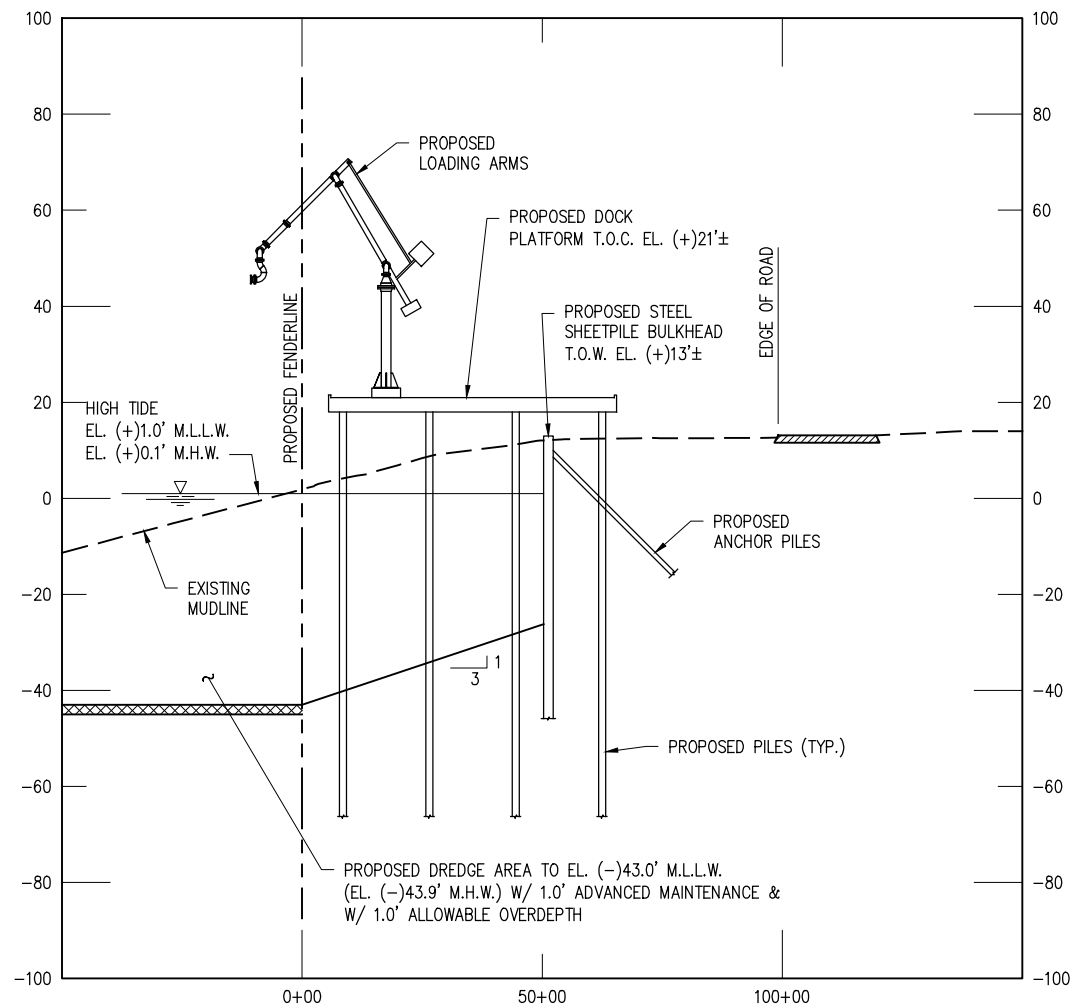


**DOCK C
DREDGE AREA SECTION**

SCALE: 1" = 80'

J
40

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR43.DWG

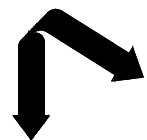


**DOCK C
LOADING PLATFORM SECTION**

SCALE: 1" = 40'

K
41

PRELIMINARY - FOR PERMIT PURPOSES ONLY

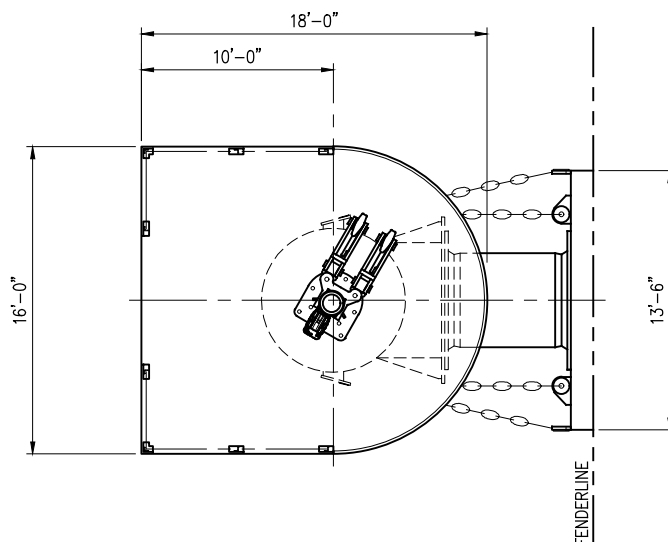


LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS
MODIFICATION REQUEST
DOCK C - PROPOSED LOADING PLATFORM SECTION
SWG-2007-01401

DATE MARCH 2020
DESIGN NAH
DRAWN NAH
CHECK BNF
JOB NO. 10697
SHEET NO. 43 OF 49

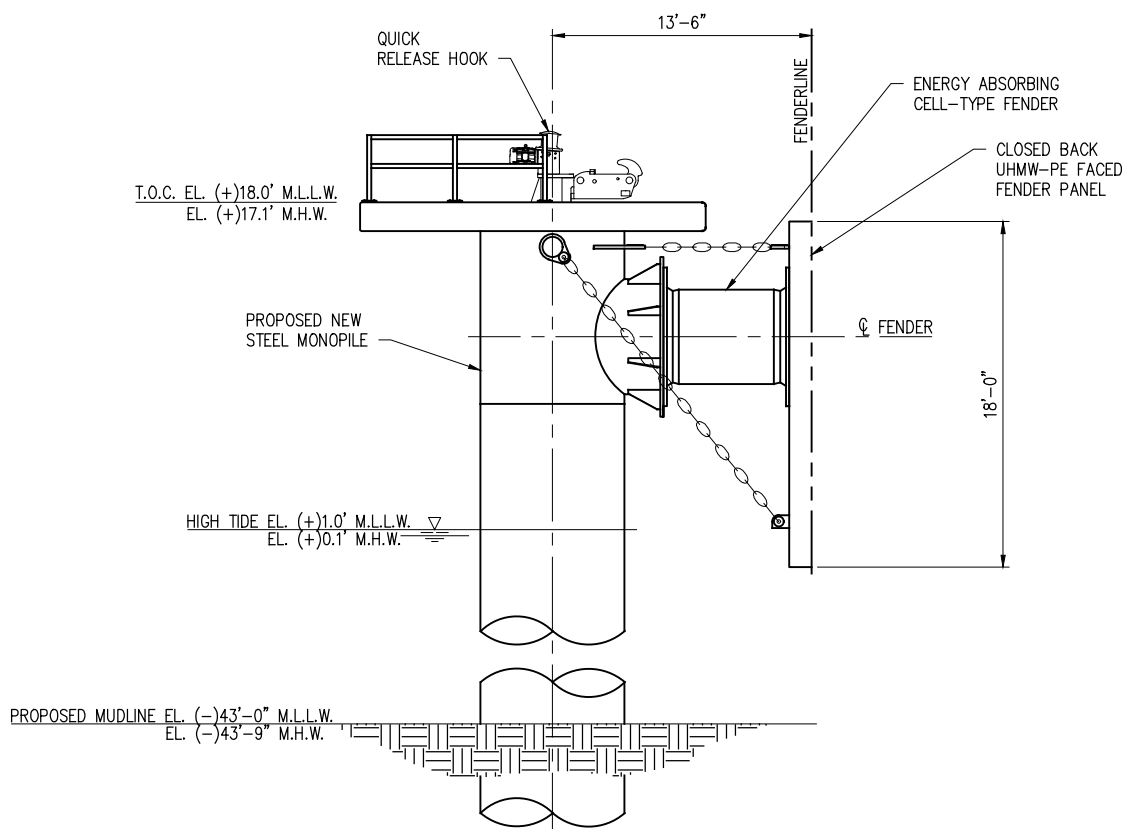
REV
A



BREASTING DOLPHIN

PLAN

N.T.S.



PROPOSED NEW BREASTING DOLPHIN

ELEVATION

N.T.S.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



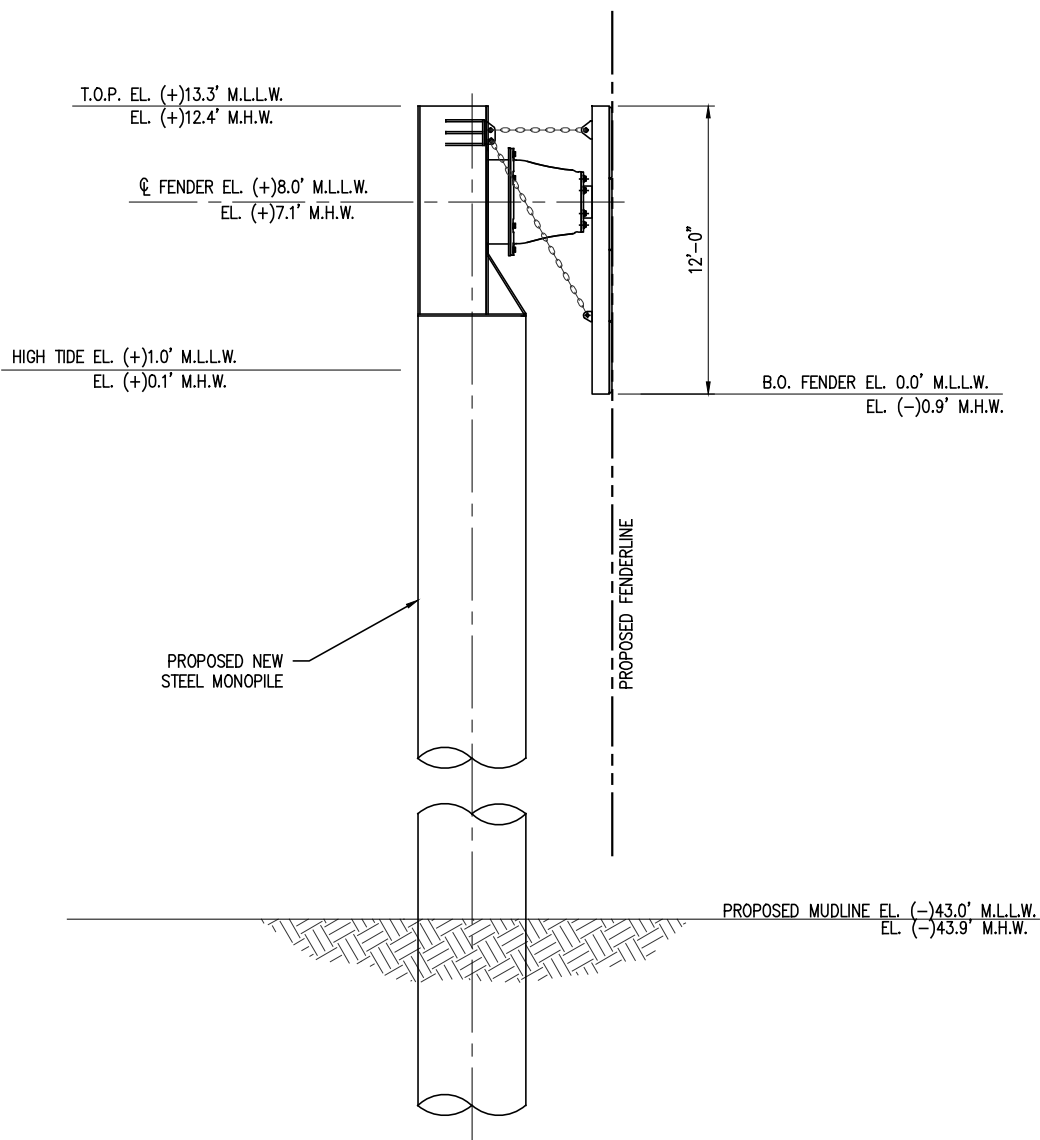
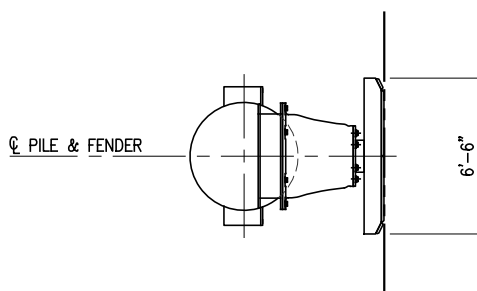
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK C - PROPOSED BREASTING DOLPHIN

DATE MARCH 2020
DESIGN
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
44 OF 49



PROPOSED NEW BREASTING DOLPHIN – ELEVATION

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

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



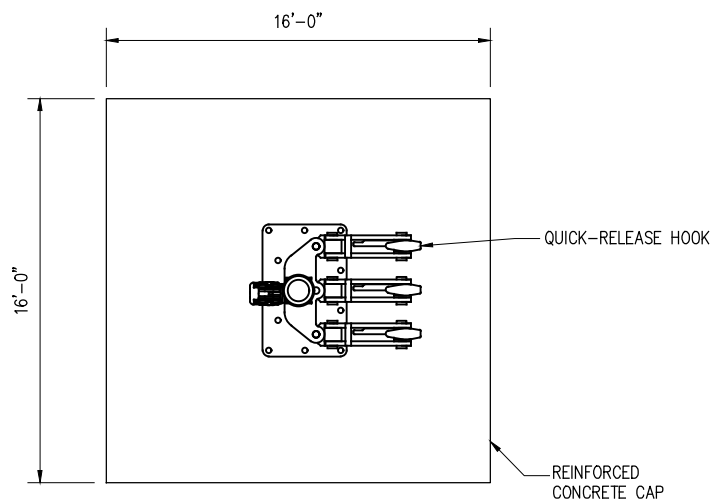
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

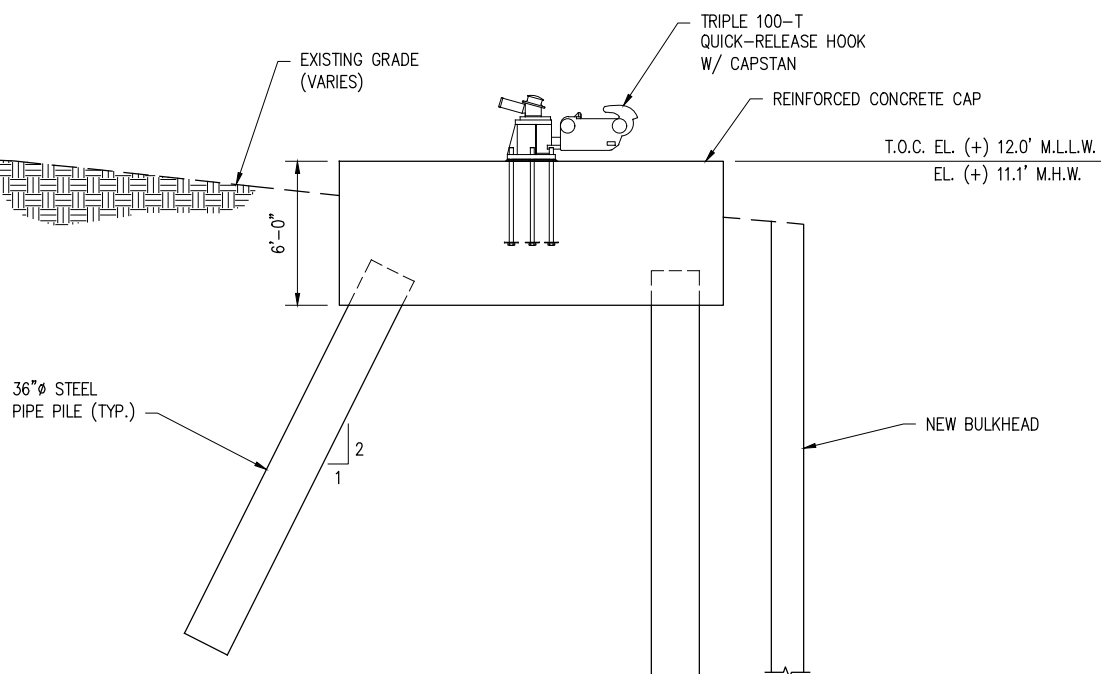
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK C - PROPOSED BREASTING DOLPHIN

DATE MARCH 2020
DESIGN _____
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
45 OF 49



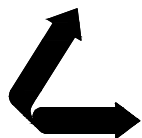
LANDSIDE MOORING DOLPHIN
PLAN
N.T.S.



LANDSIDE MOORING DOLPHIN
ELEVATION
N.T.S.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
A



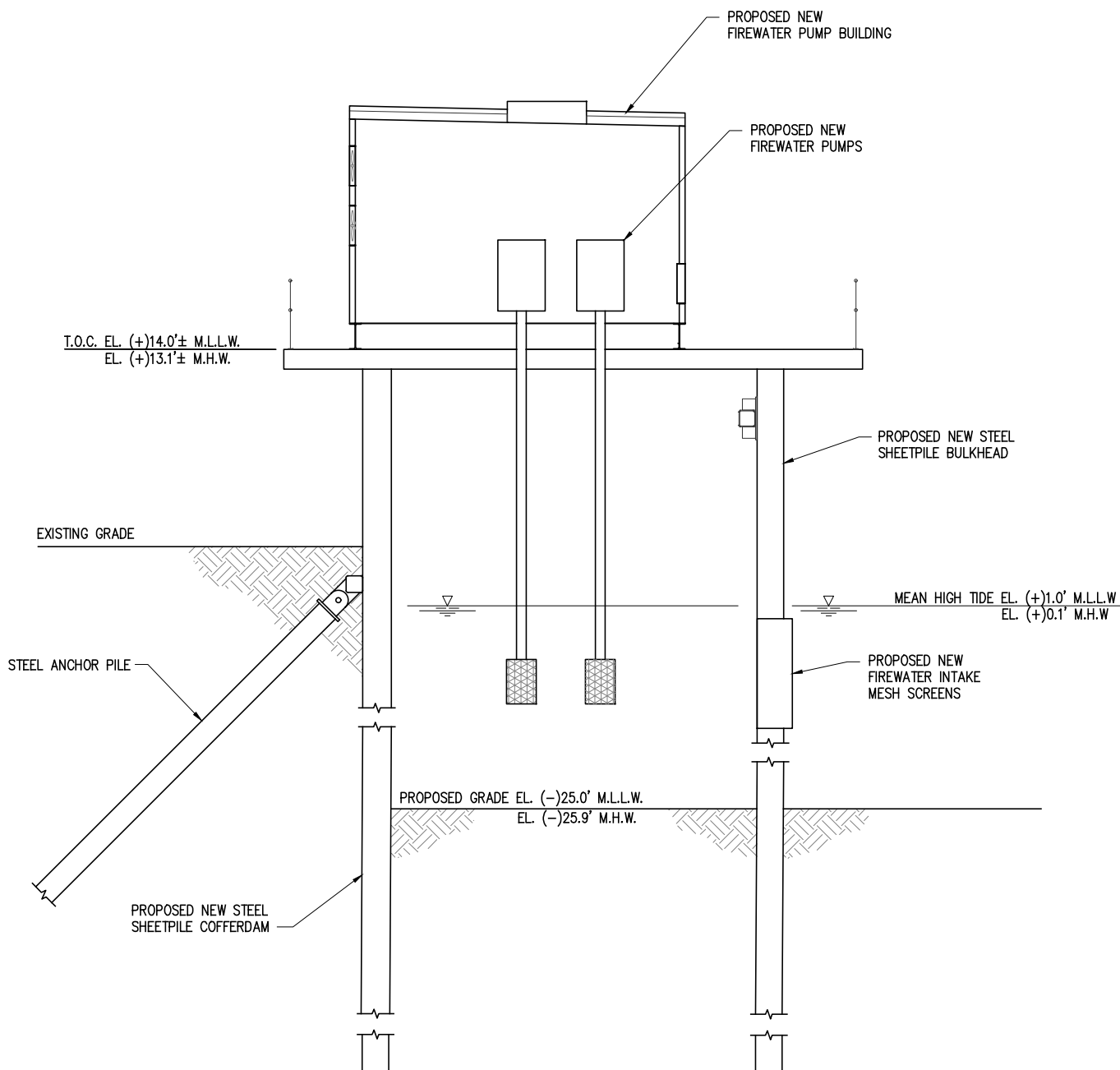
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK C - LANDSIDE MOORING DOLPHIN DETAILS

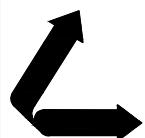
DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
46 OF 49



**PROPOSED FIREWATER INTAKE
ELEVATION**
N.T.S.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
B



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

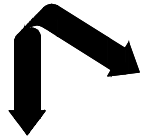
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS

SWG-2007-01401
MODIFICATION REQUEST
DOCK C - FIREWATER INTAKE ELEVATION

DATE MARCH 2020
DESIGN JPL
DRAWN NAH
CHECK BNF
JOB NO 10697
SHEET No.
47 OF 49

J:\100005\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT - PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR47.DWG

J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR48.DWG



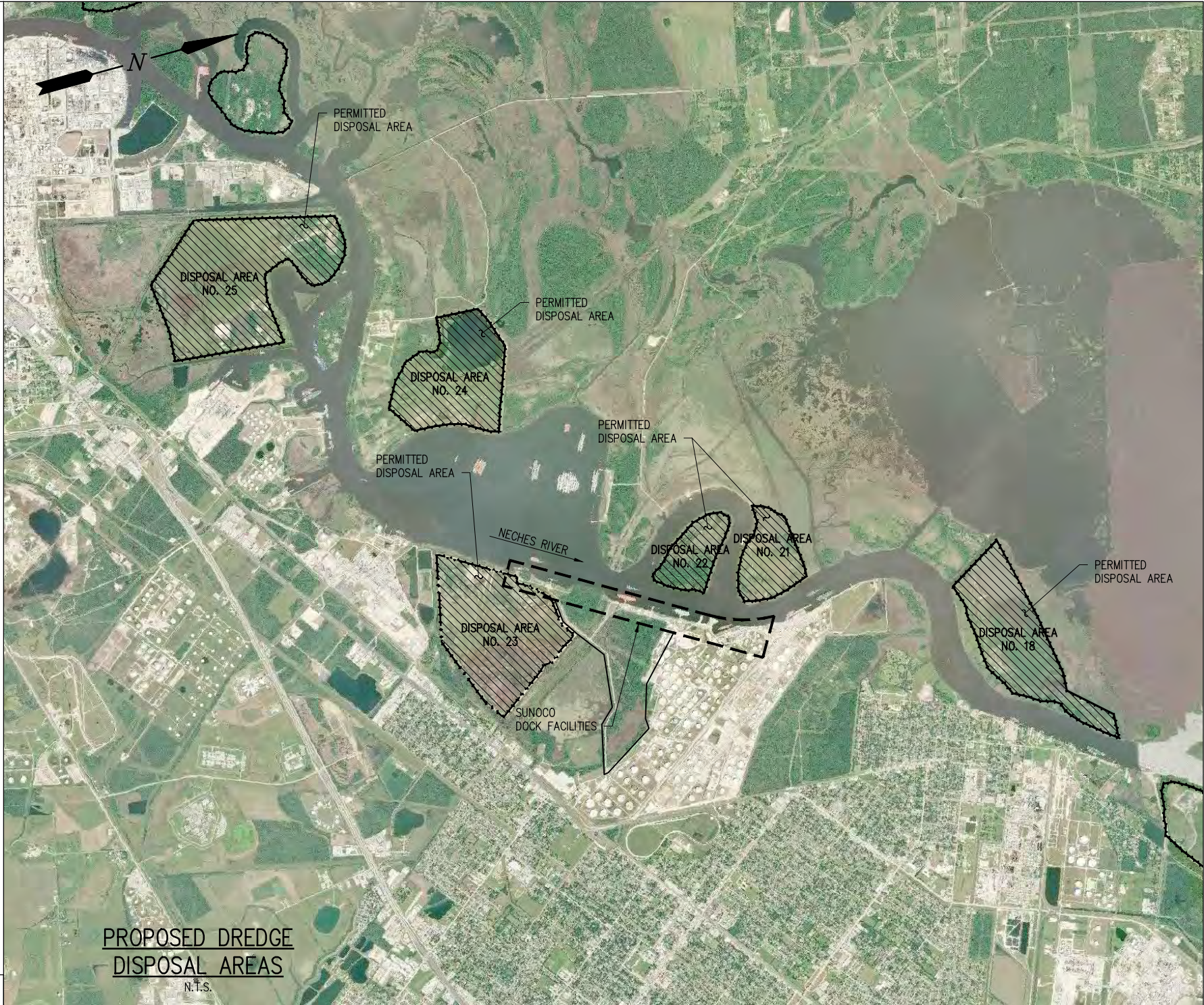
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY

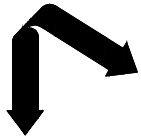
SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS
MODIFICATION REQUEST
SWG-2007-01401
PROPOSED OFF-SITE DREDGE DISPOSAL AREAS

DATE MARCH 2020
DESIGN NAH
DRAWN NAH
CHECK BNF
JOB NO. 10697
SHEET NO. 48 OF 49

REV
A



J:\10000S\10697 ENERGY TRANSFER PARTNERS FINGER PIER\DRAWINGS\PERMIT _ PROPOSED DOCK 7_8_C MOD PROJECT\10697-PR49.DWG

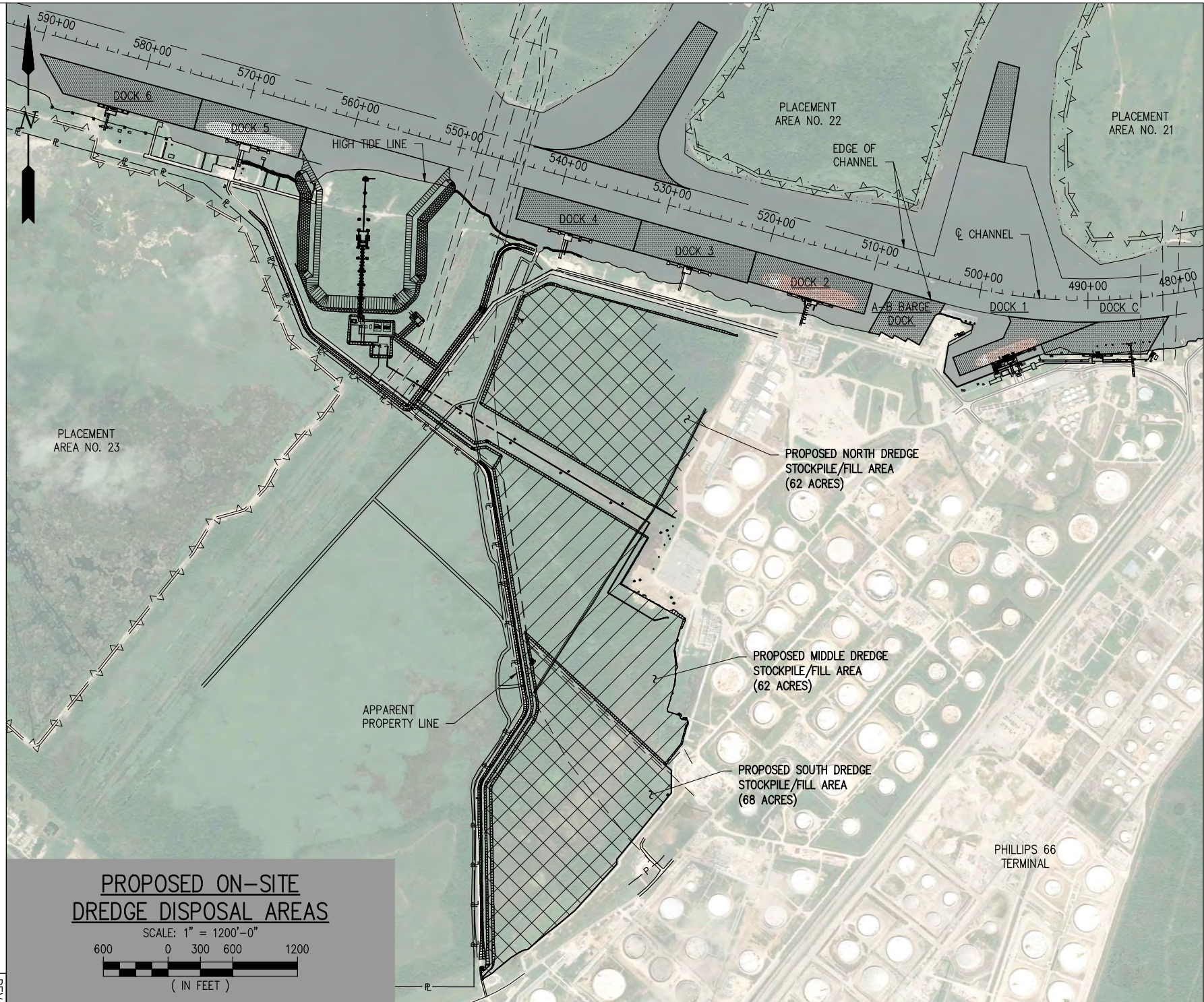


LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY

SUNOCO PARTNERS MARKETING & TERMINALS L.P.
NEDERLAND TEXAS
MODIFICATION REQUEST
SWG-2007-01401
PROPOSED ON-SITE DREDGE DISPOSAL AREAS

DATE MARCH 2020
DESIGN NAH
DRAWN BNF
CHECK BNF
JOB NO 10697
SHEET No. 49 OF 49



REV
B