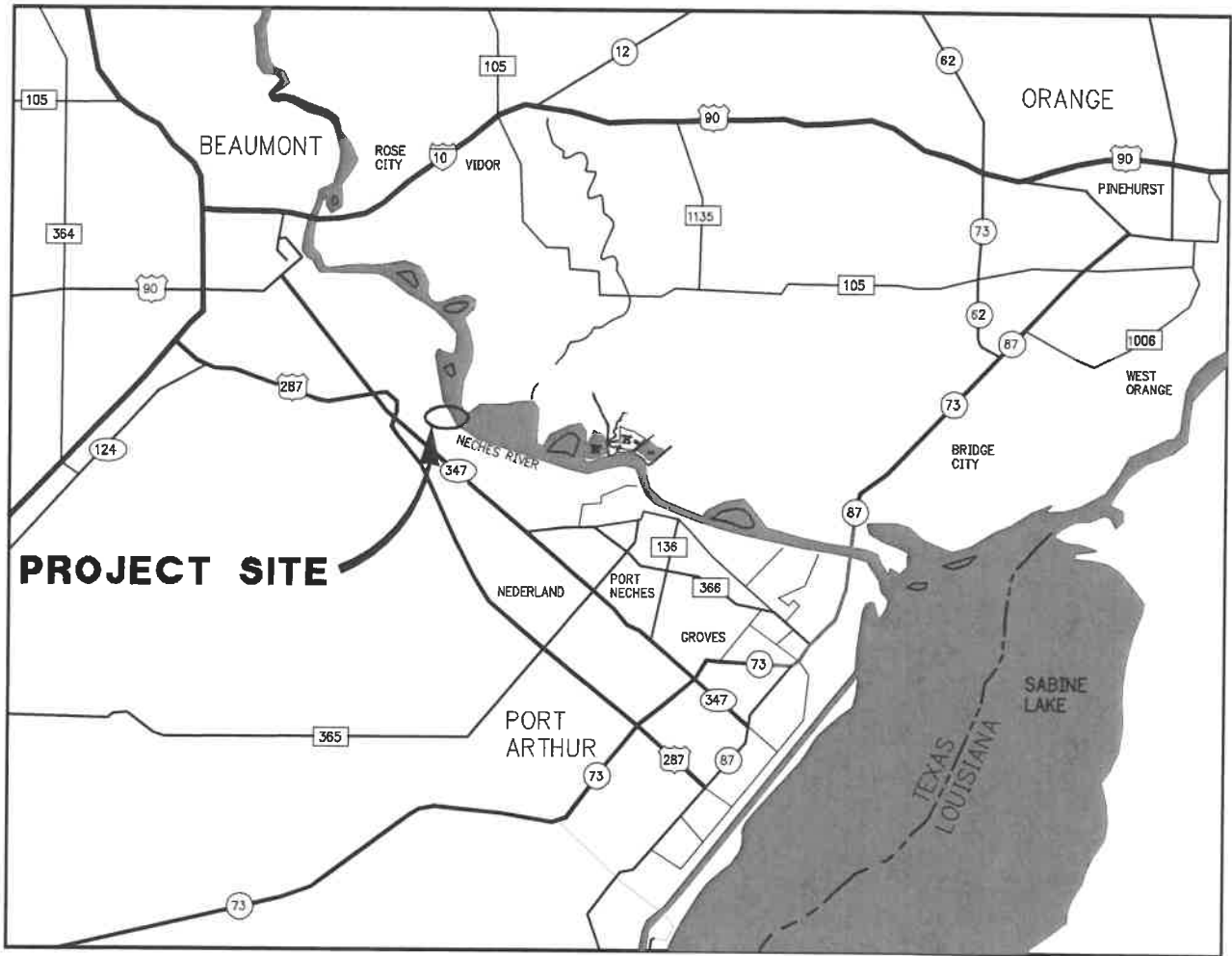




VICINITY MAP



LAT: 30°01'33.28"N
LONG: 94°02'21.38"W

10155-1-P1



LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

F-2981
NEW ORLEANS, LA • BEAUMONT, TX

BEAUMONT

ENTERPRISE PRODUCTS

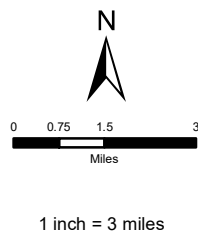
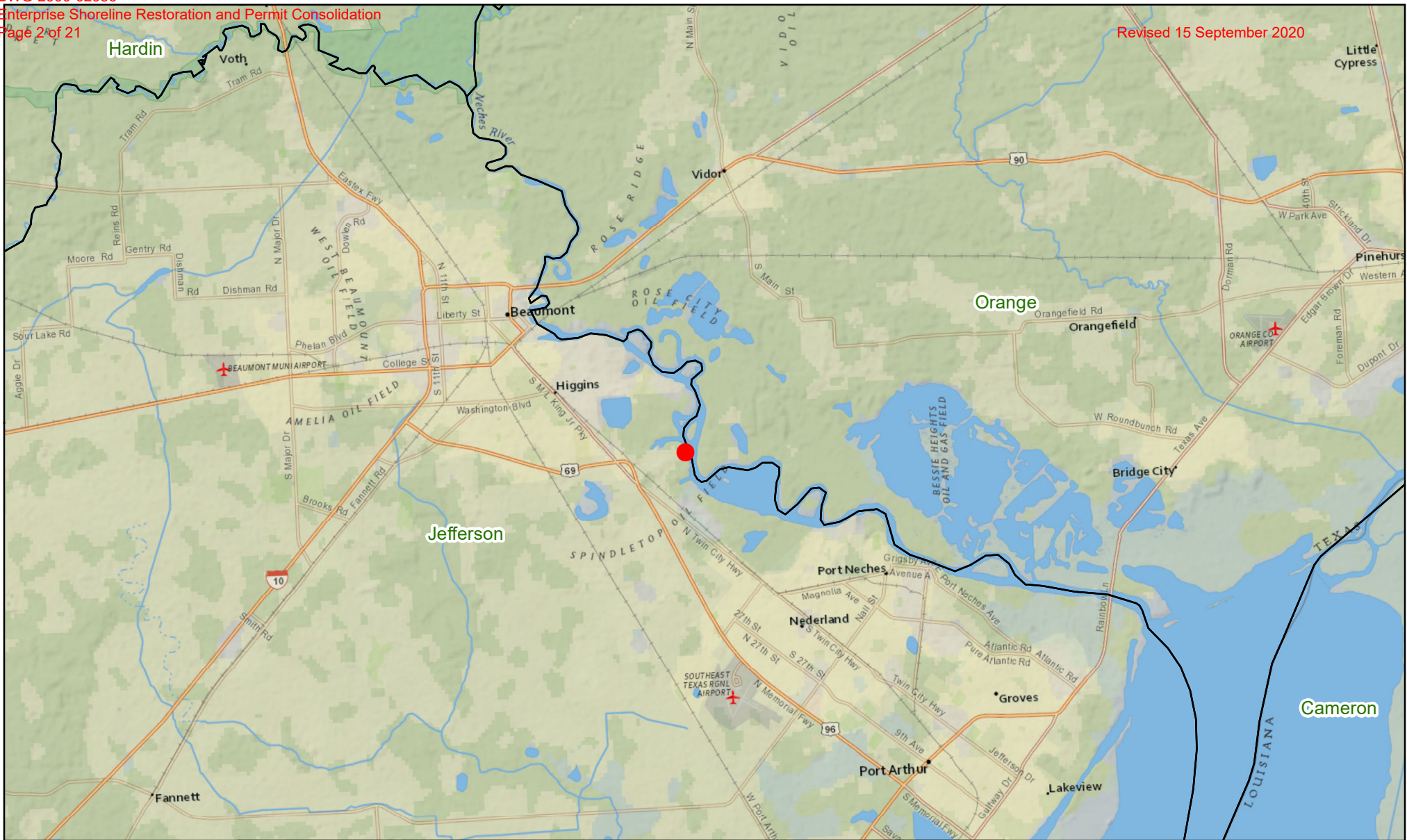
TEXAS

**BARGE DOCK A
BANK STABILIZATION
VICINITY MAP**

DATE MAR '17
DESIGN MJS
DRAWN PJC
CHECK BMB
CONTRACT 10155-1
SHEET No.

1 OF **6**

Revised 15 September 2020



● Project Location

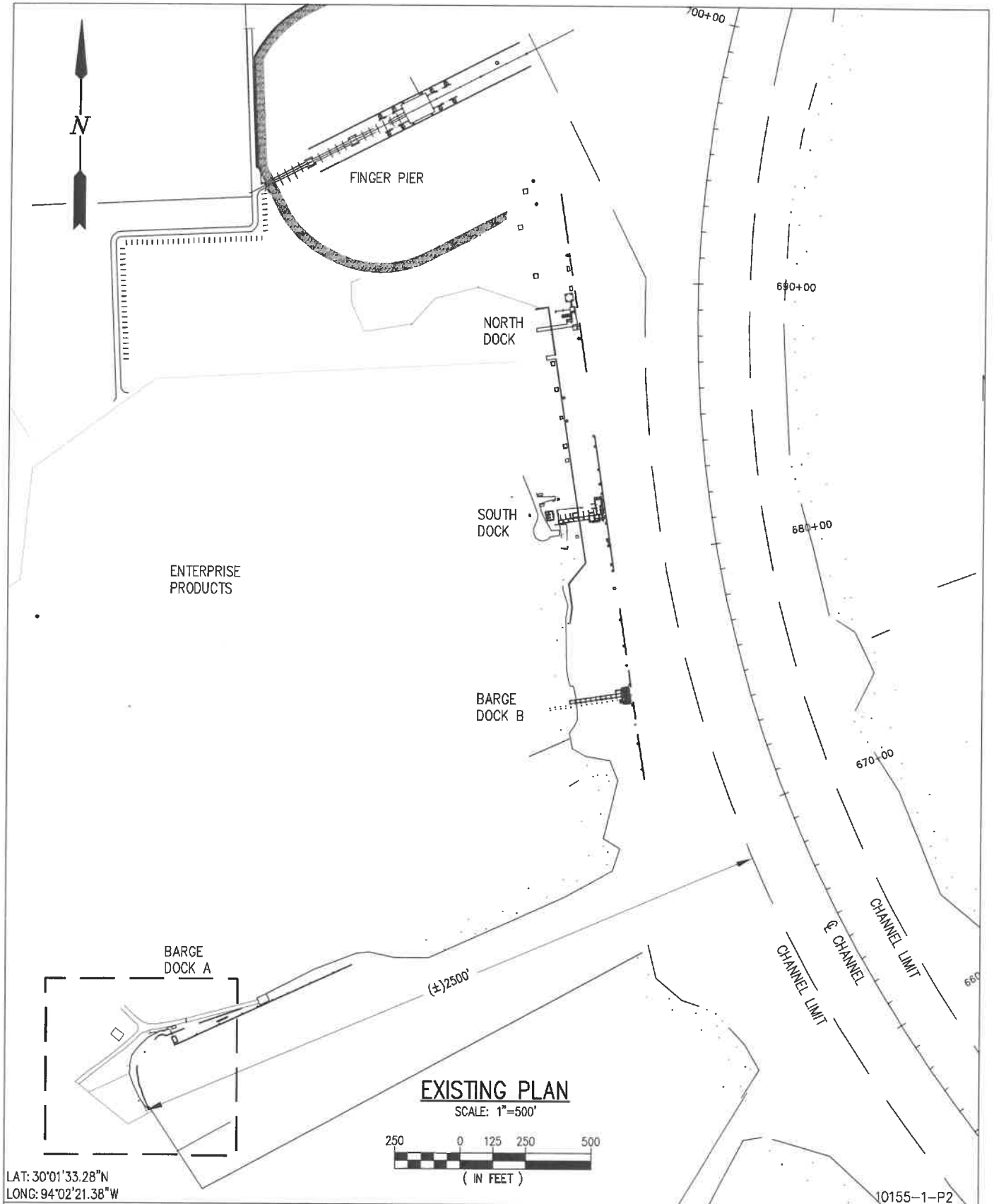


Percheron, LLC
1904 West Grand Parkway North, Suite 200, Katy, TX, 77449

Figure 1
BMW Permit Amendment
Enterprise Products Operating LLC
Jefferson County, Texas

Basemap: National Geographic World Map
NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Units: Foot US

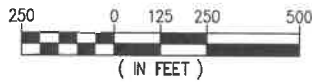
Date Saved: 9/10/2020	Project Num: 10.006476.0000	Revised by: rhett.smith
-----------------------	-----------------------------	-------------------------



LAT: 30°01'33.28"N
LONG: 94°02'21.38"W

EXISTING PLAN

SCALE: 1"=500'



10155-1-P2



LANIER & ASSOCIATES
CONSULTING ENGINEERS
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BEAUMONT

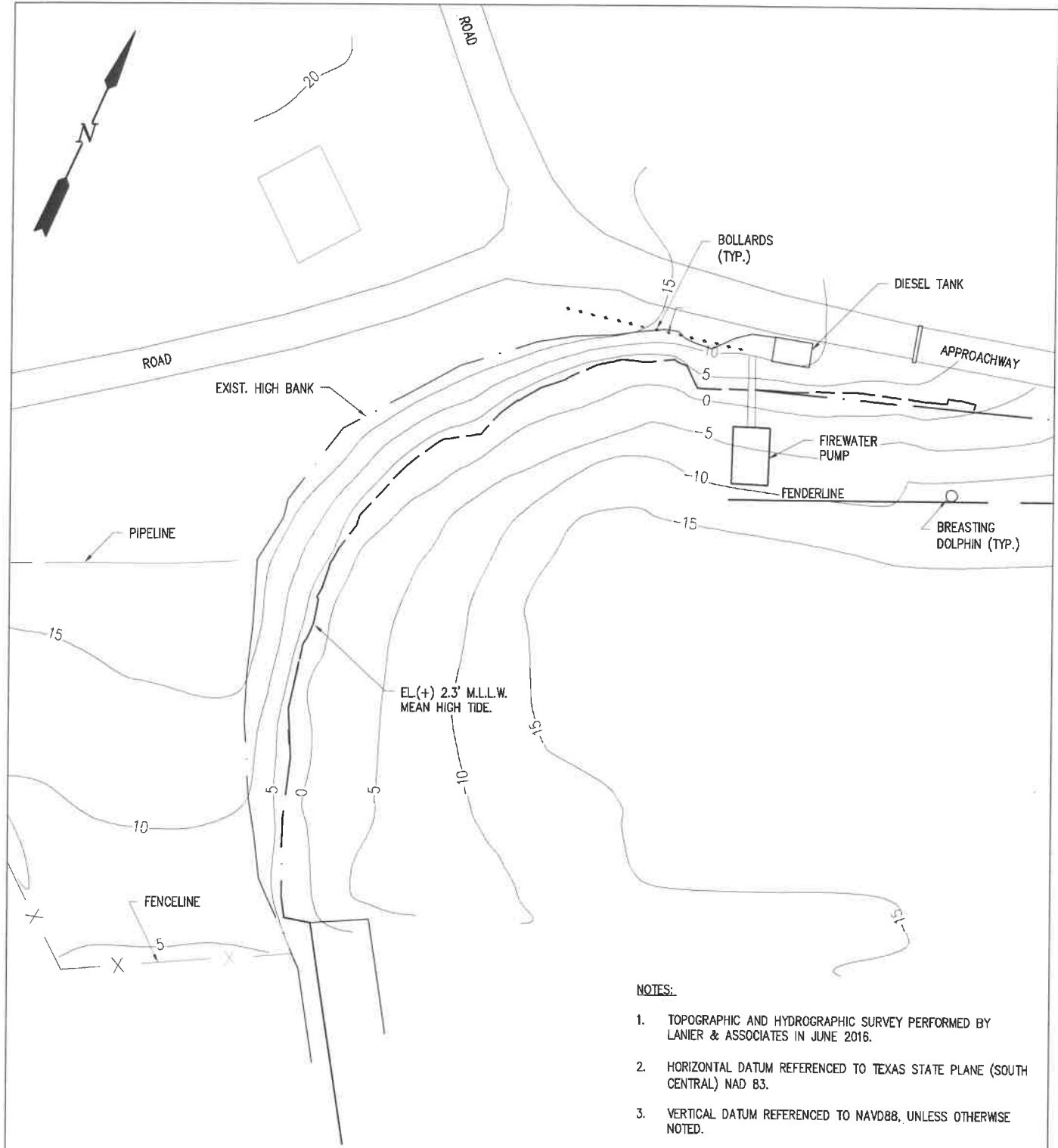
ENTERPRISE PRODUCTS

TEXAS

**BARGE DOCK A
BANK STABILIZATION
EXISTING SITE PLAN**

DATE MAR '17
DESIGN MJS
DRAWN PJC
CHECK BMB
CONTRACT 10155-1
SHEET No.

2 OF 6



- NOTES:
1. TOPOGRAPHIC AND HYDROGRAPHIC SURVEY PERFORMED BY LANIER & ASSOCIATES IN JUNE 2016.
 2. HORIZONTAL DATUM REFERENCED TO TEXAS STATE PLANE (SOUTH CENTRAL) NAD 83.
 3. VERTICAL DATUM REFERENCED TO NAVD88, UNLESS OTHERWISE NOTED.

ENLARGED EXISTING SITE PLAN

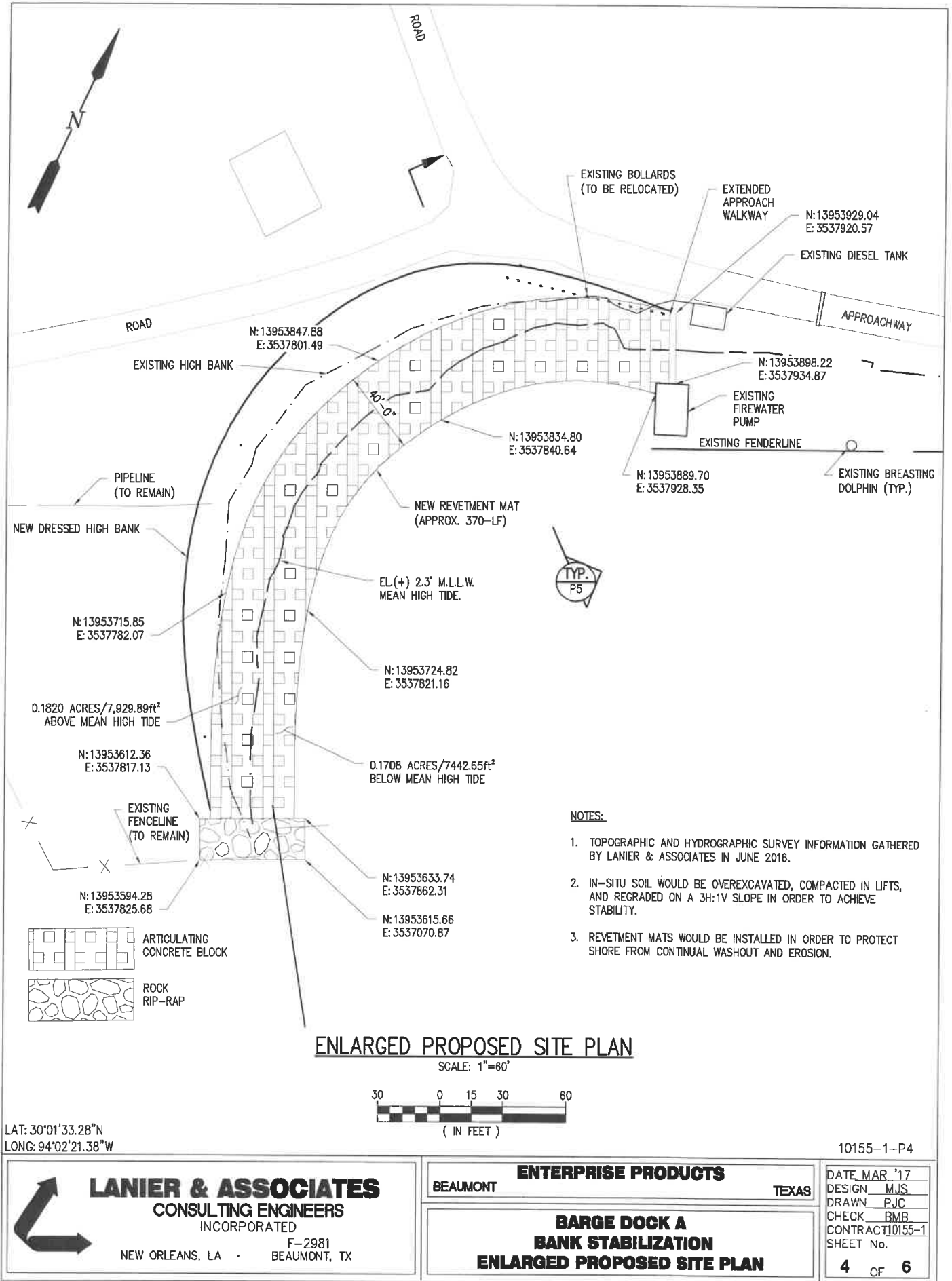
SCALE: 1"=60'



LAT: 30°01'33.28"N
LONG: 94°02'21.38"W

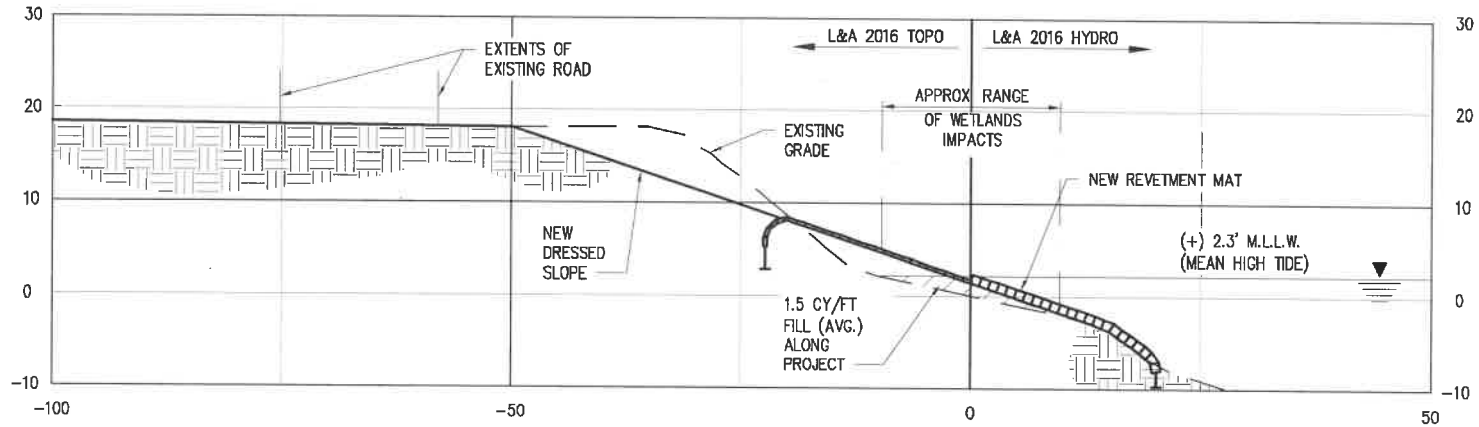
10155-1-P3

 LANIER & ASSOCIATES CONSULTING ENGINEERS INCORPORATED F-2981 NEW ORLEANS, LA • BEAUMONT, TX	ENTERPRISE PRODUCTS BEAUMONT TEXAS BARGE DOCK A BANK STABILIZATION ENLARGED EXISTING SITE PLAN	DATE MAR '17 DESIGN MJS DRAWN PJC CHECK BMB CONTRACT 10155-1 SHEET No. 3 OF 6
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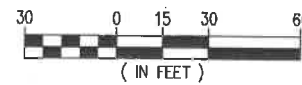
NOTES:

1. TOPOGRAPHIC AND HYDROGRAPHIC SURVEY INFORMATION GATHERED BY LANIER & ASSOCIATES IN JUNE 2016.
2. IN-SITU SOIL WOULD BE OVEREXCAVATED, COMPACTED IN LIFTS, AND REGRADED ON A 3H:1V SLOPE IN ORDER TO ACHIEVE STABILITY.
3. REVETMENT MATS WOULD BE INSTALLED IN ORDER TO PROTECT SHORE FROM CONTINUAL WASHOUT AND EROSION.



TYPICAL SECTION

SCALE: 1"=30'



LAT: 30°01'33.28"N
LONG: 94°02'21.38"W

10155-1-P5



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

BEAUMONT

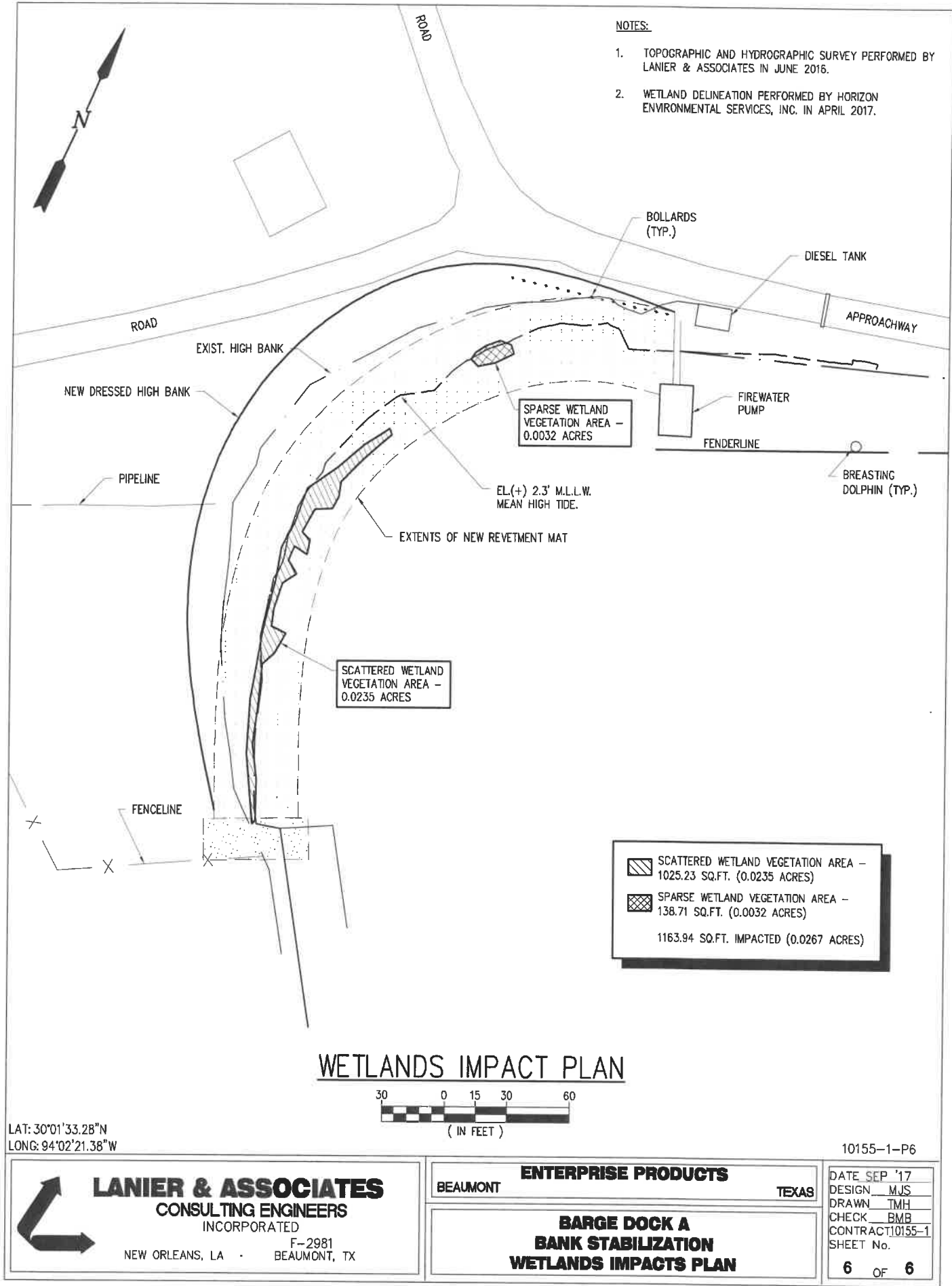
ENTERPRISE PRODUCTS

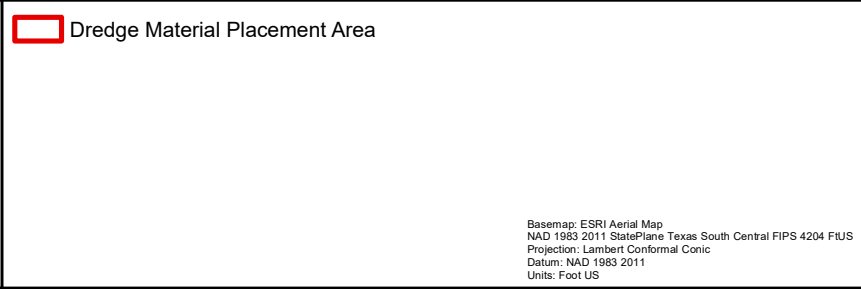
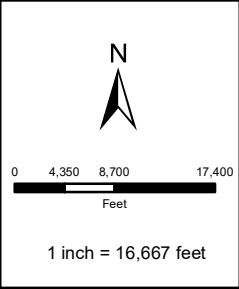
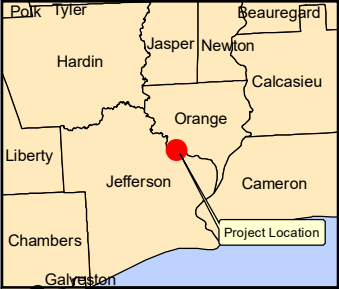
TEXAS

**BARGE DOCK A
BANK STABILIZATION
TYPICAL SECTION**

DATE: MAR '17
DESIGN: MJS
DRAWN: PJC
CHECK: BMB
CONTRACT: 10155-1
SHEET No.

5 OF 6



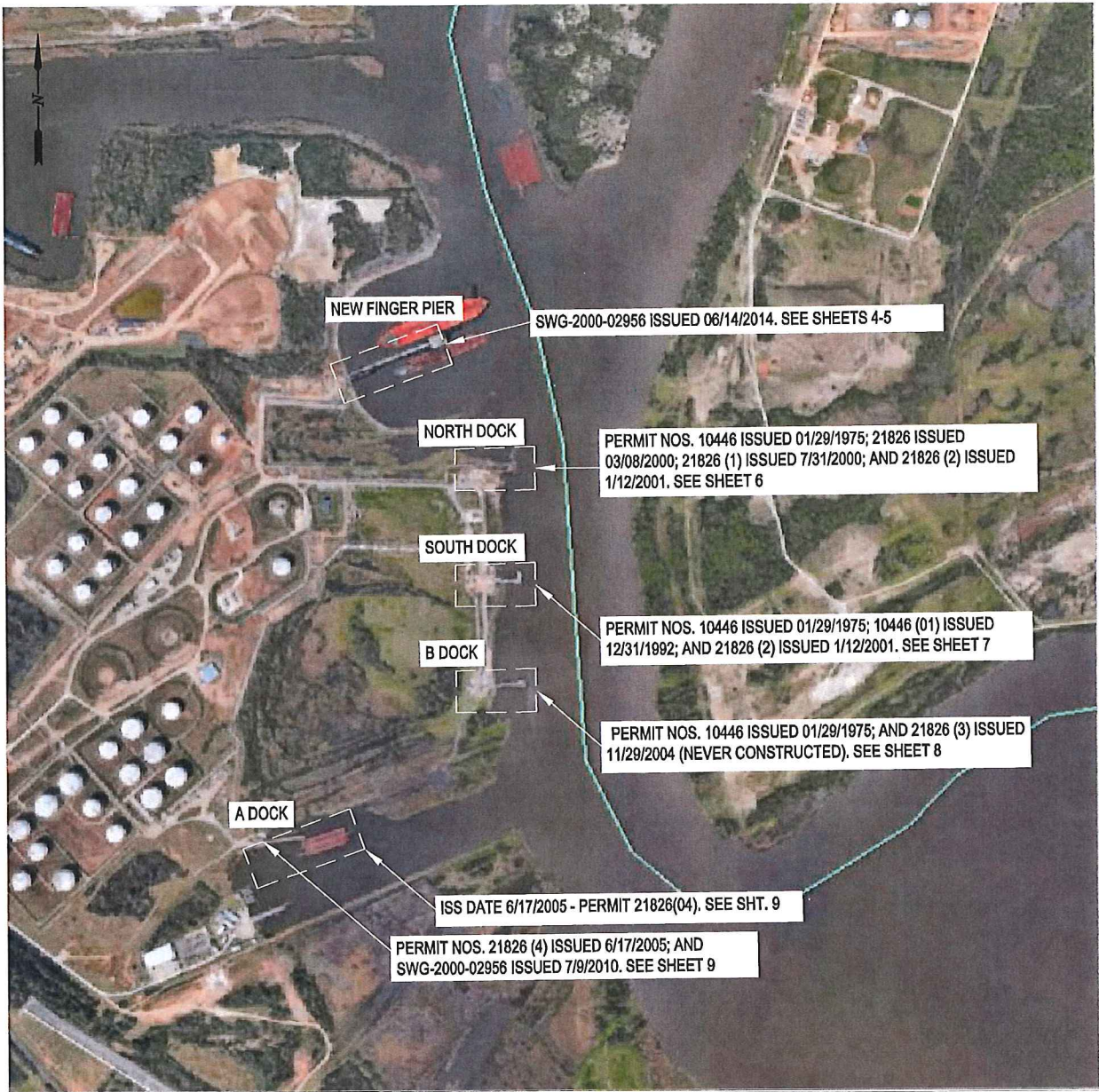




Percheron, LLC
1904 West Grand Parkway North, Suite 200, Katy, TX, 77449

Figure 2
BMW Permit Amendment
Enterprise Products Operating LLC
Jefferson County, Texas

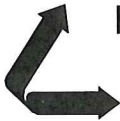
Date Saved: 7/1/2020	Project Num: 10.006476.0000	Revised by: frances.buchanek
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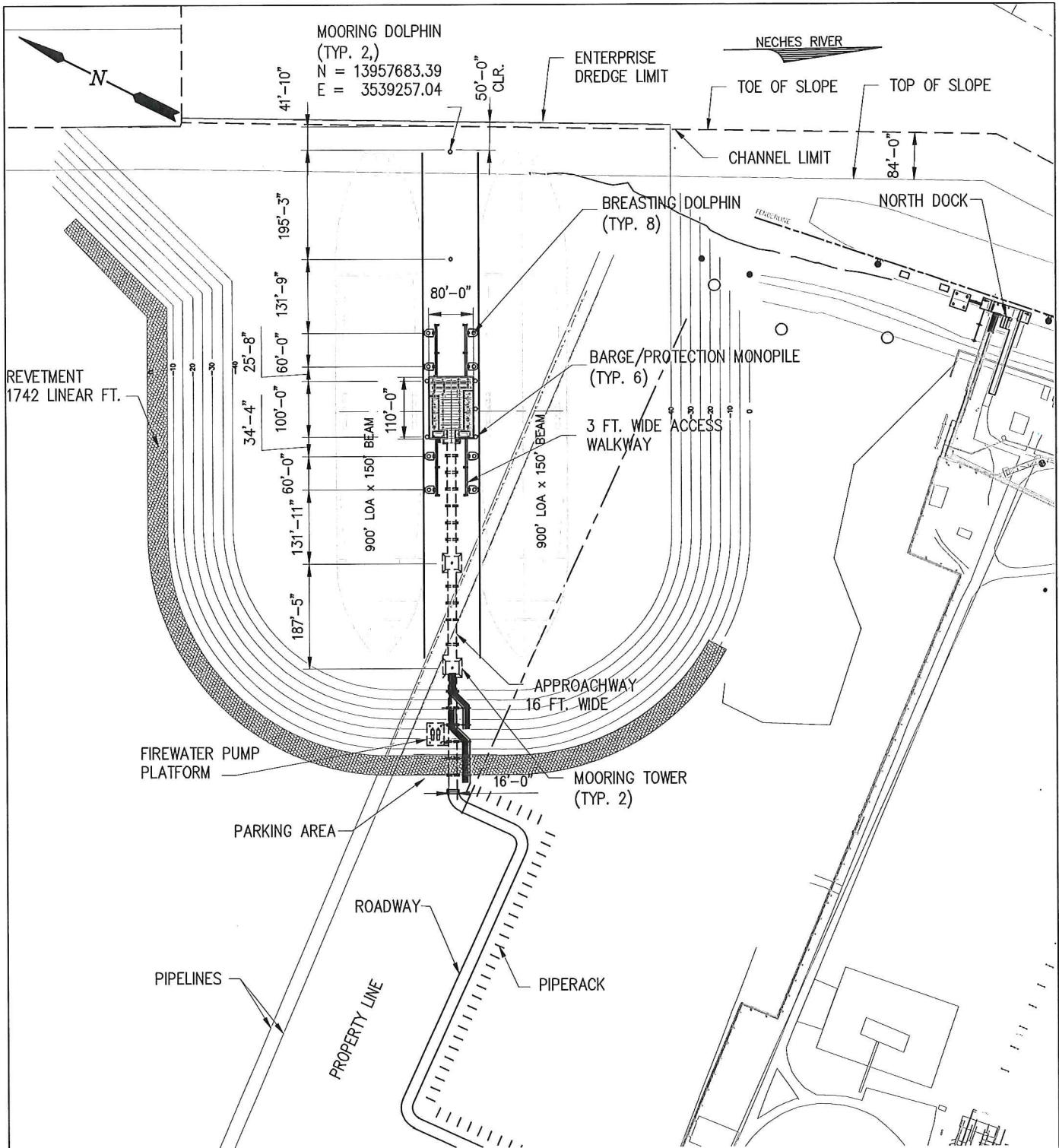


SUMMARY OF PERMITS

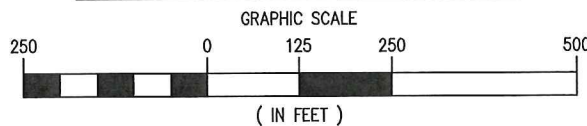
LAT: 30°01'33.28"N
LONG: 94°02'21.38"W

10805-1-P3

 LANIER & ASSOCIATES CONSULTING ENGINEERS INCORPORATED F-2981 NEW ORLEANS, LA • BEAUMONT, TX	ENTERPRISE PRODUCTS OPERATING LLC BEAUMONT TEXAS	DATE AUG '18 DESIGN JES DRAWN KAK CHECK DLC CONTRACT 10805-1 SHEET No.
	SWG-2000-00956 ADMINISTRATIVE CONSOLIDATION REQUEST SUMMARY OF PERMITS	
	3 OF 9	

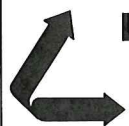


FINGER PIER PLAN VIEW



LAT: 30°01'33.28"N
LONG: 94°02'21.38"W

10805-1-P4

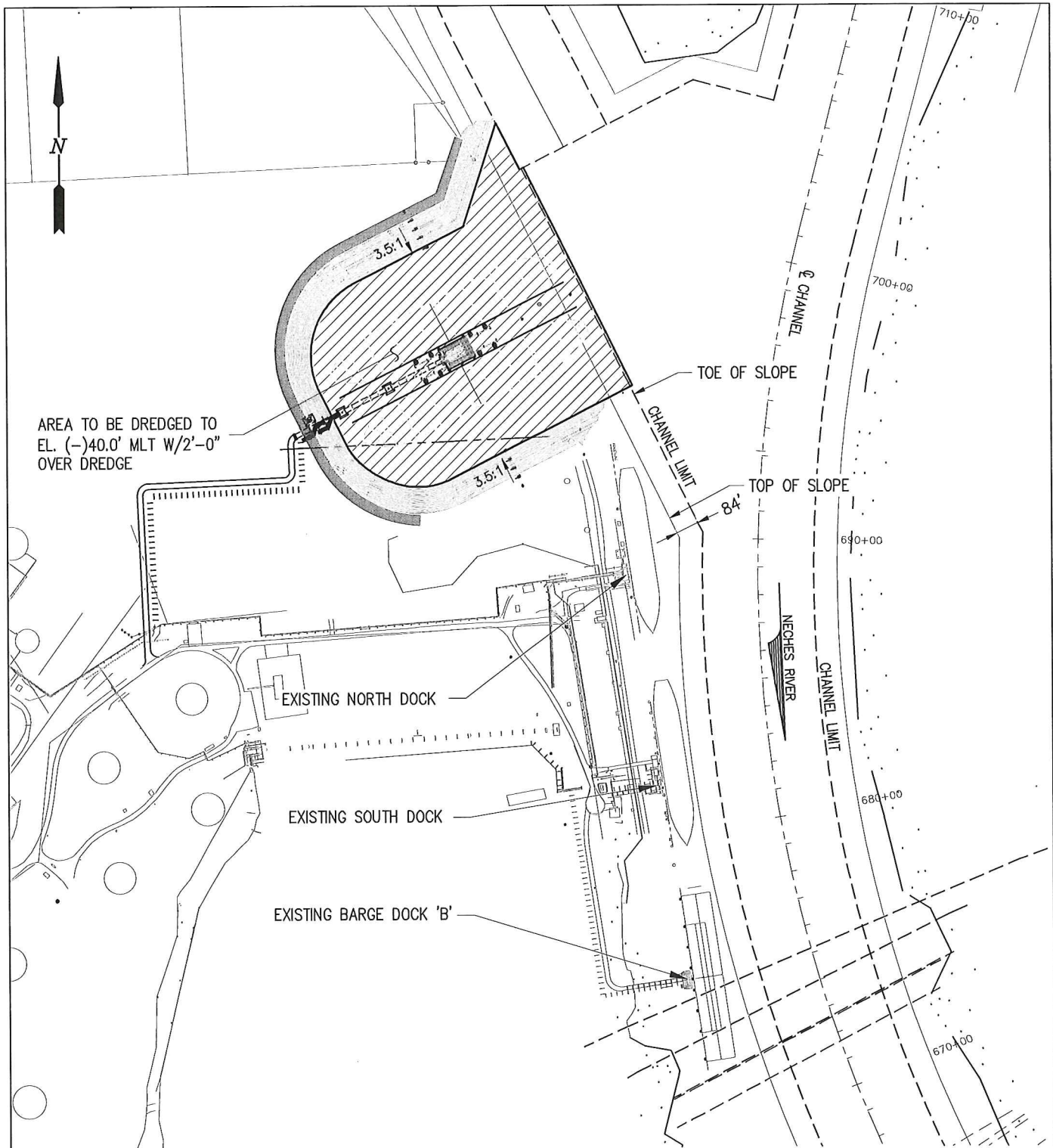


LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
F-2981
NEW ORLEANS, LA • BEAUMONT, TX

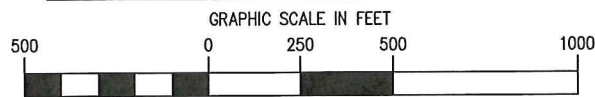
ENTERPRISE PRODUCTS OPERATING LLC
BEAUMONT TEXAS

SWG-2000-00956
ADMINISTRATIVE CONSOLIDATION REQUEST
FINGER PIER PLAN VIEW

DATE AUG '18
DESIGN JES
DRAWN KAK
CHECK DLC
CONTRACT 10805-1
SHEET No.
4 OF 9

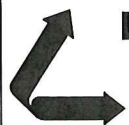


FINGER PIER DREDGE AREA



LAT: 30°01'33.28"N
LONG: 94°02'21.38"W

10805-1-P5

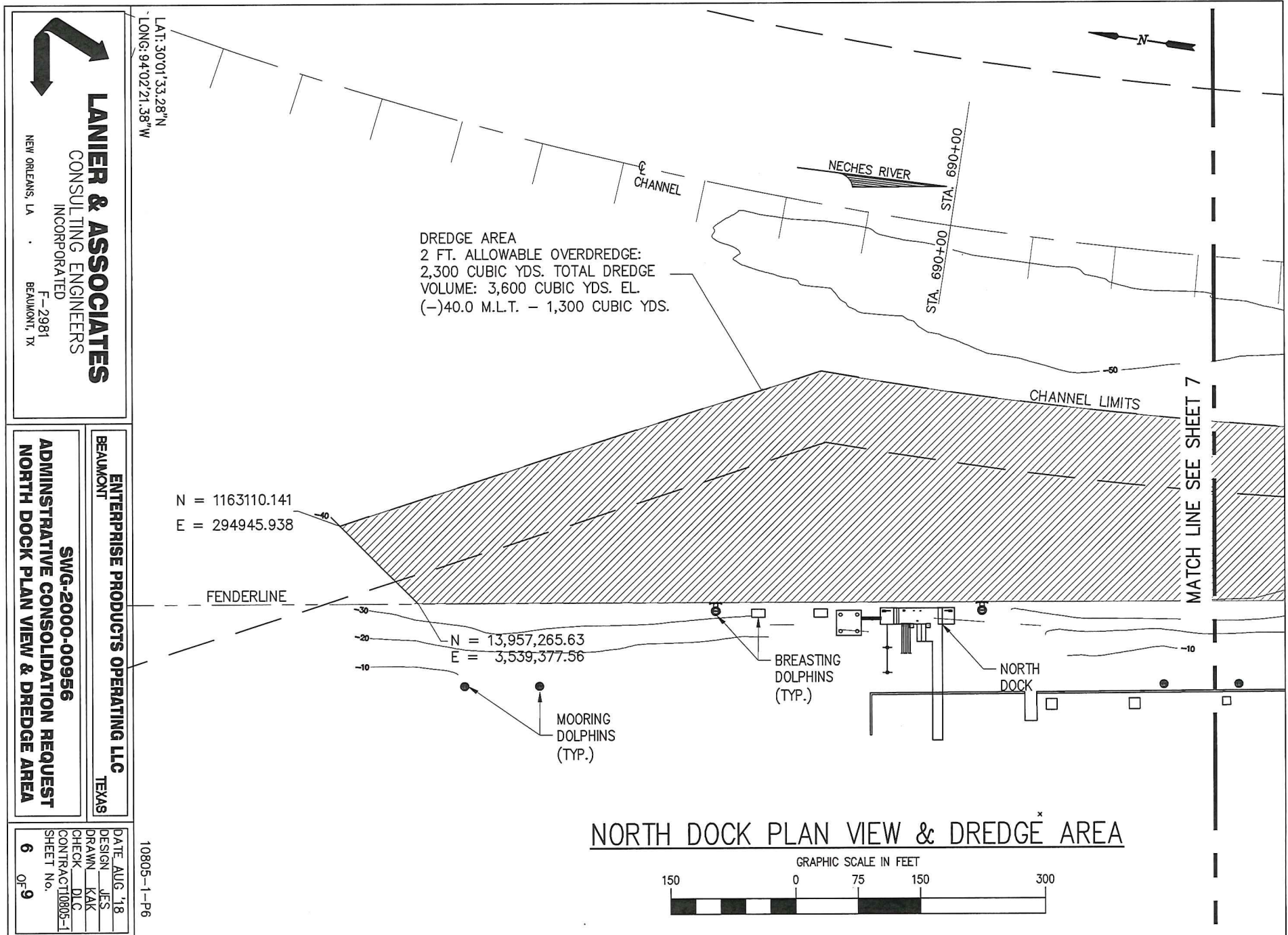


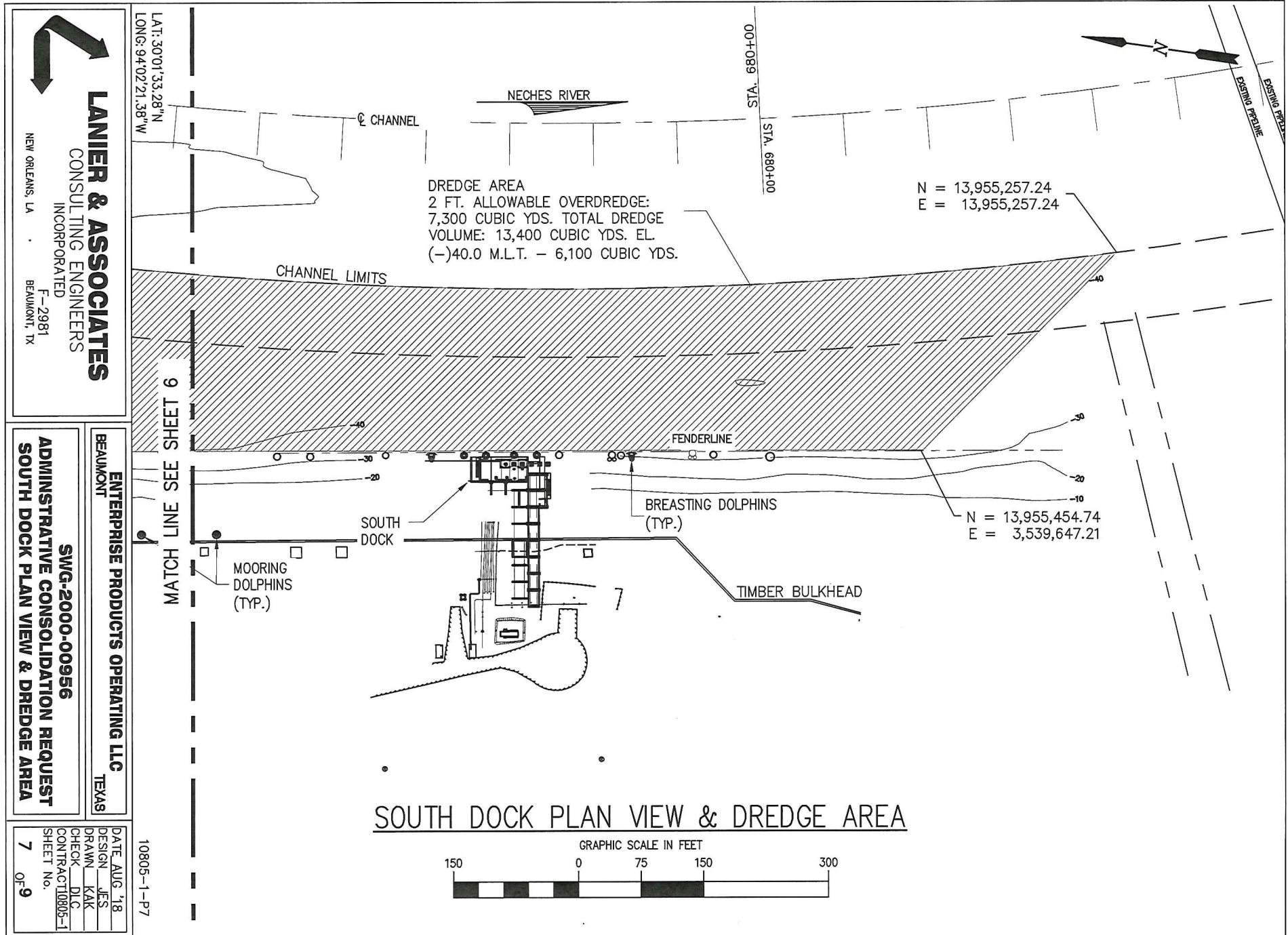
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
F-2981
NEW ORLEANS, LA • BEAUMONT, TX

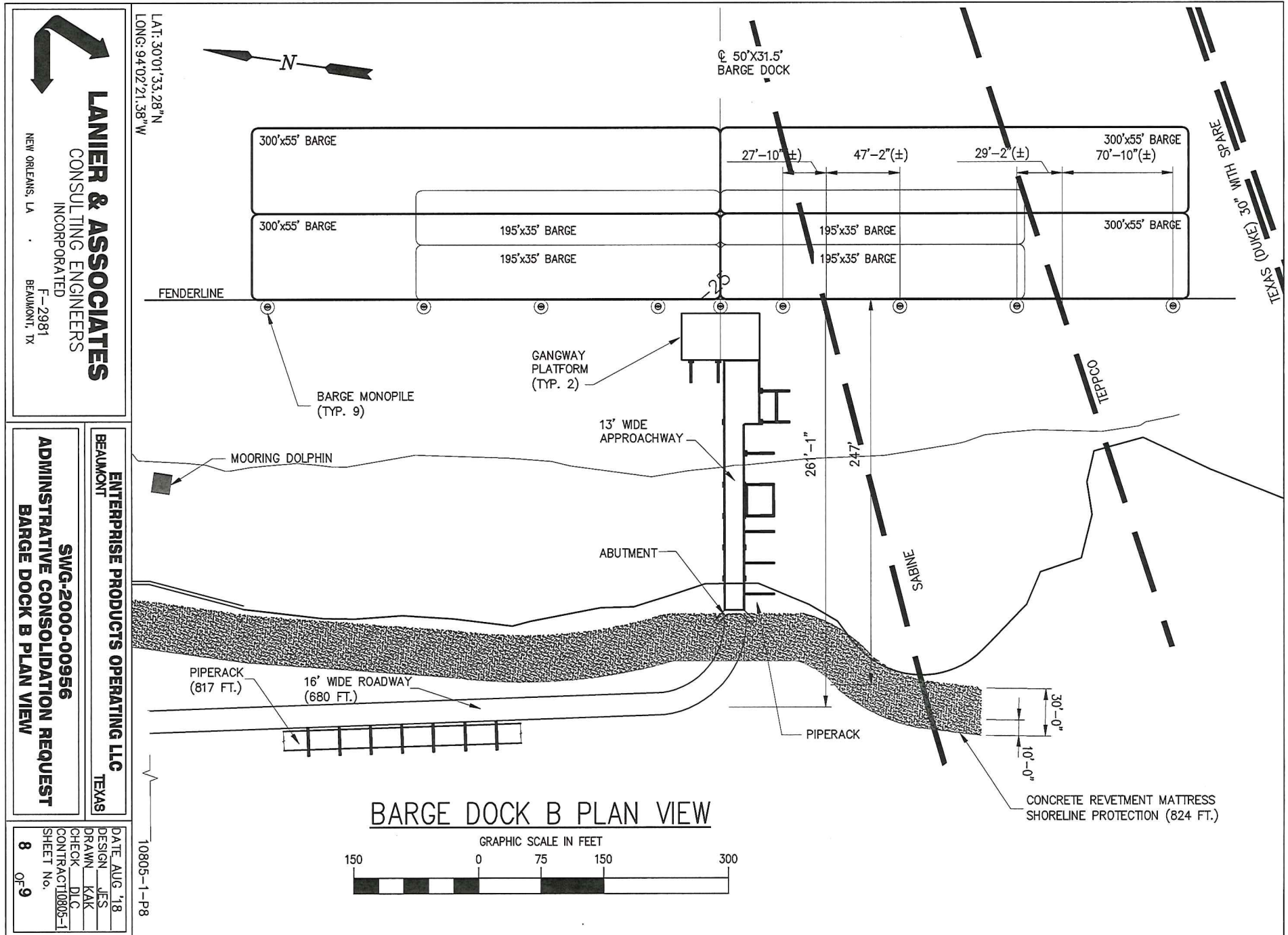
ENTERPRISE PRODUCTS OPERATING LLC
BEAUMONT TEXAS

SWG-2000-00956
ADMINISTRATIVE CONSOLIDATION REQUEST
FINGER PIER DREDGE AREA

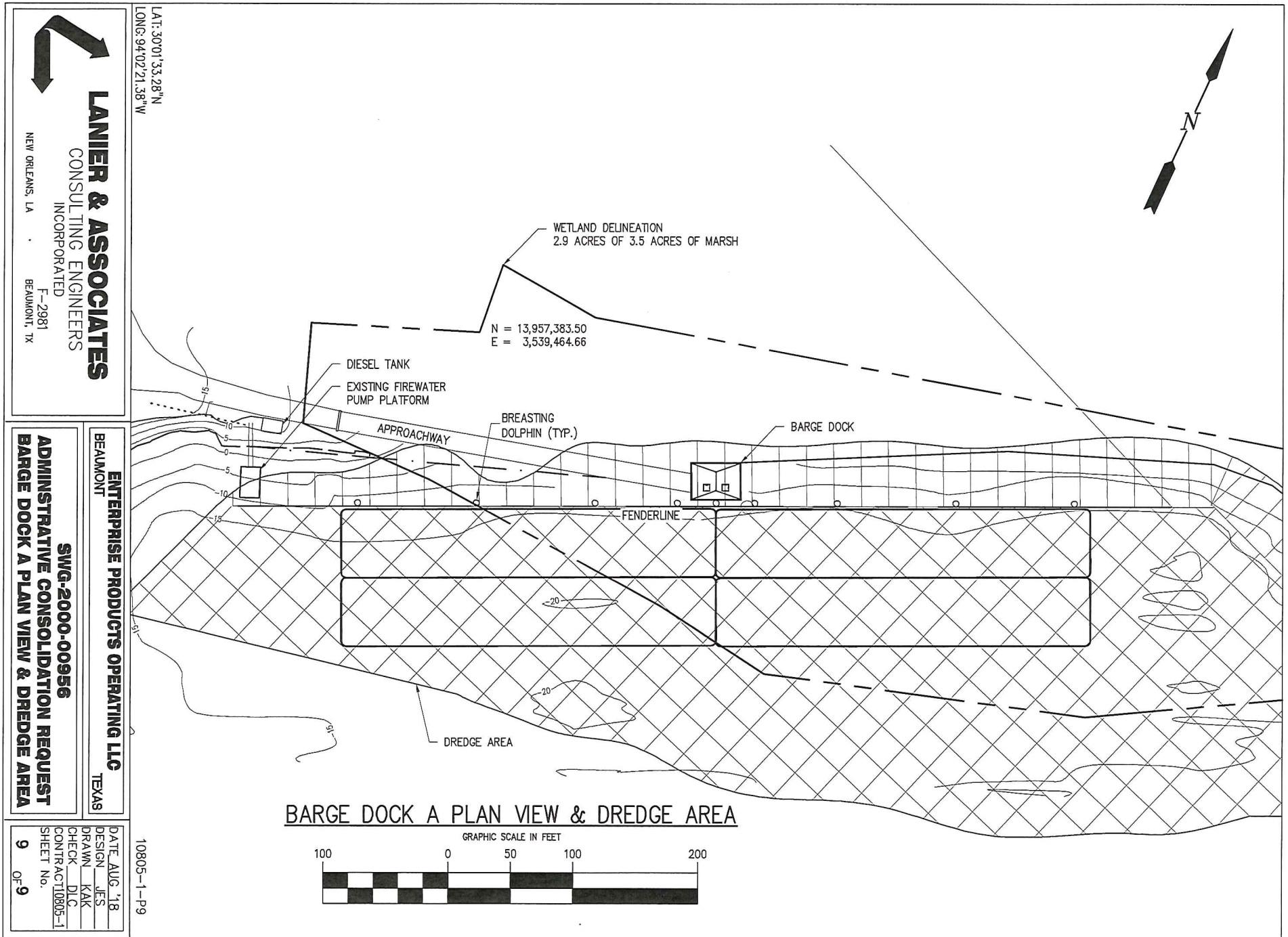
DATE AUG '18
DESIGN JES
DRAWN KAK
CHECK DLC
CONTRACT 10805-1
SHEET No.
5 OF **9**



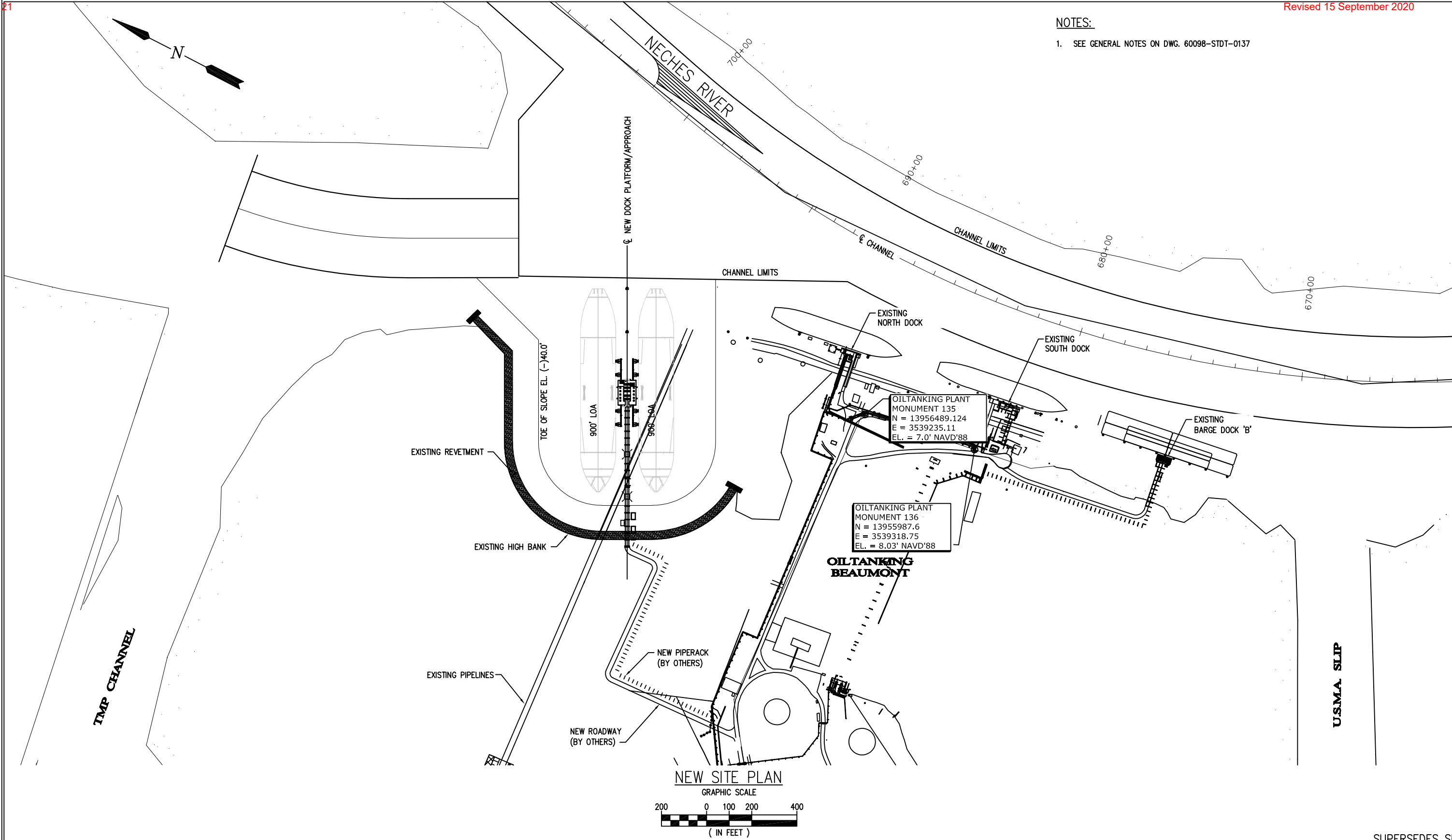




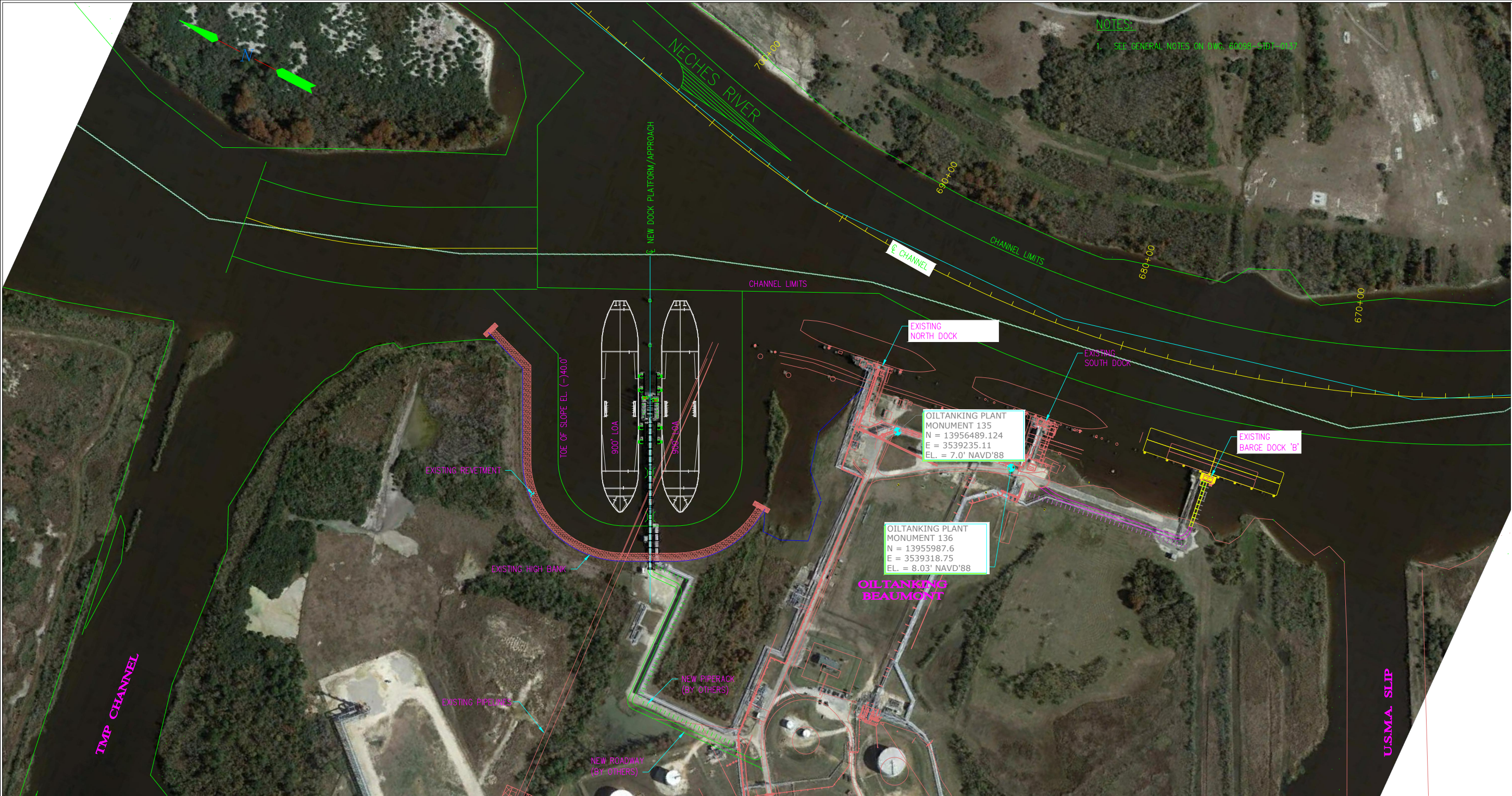
JAN 16 2019



- NOTES:
- SEE GENERAL NOTES ON DWG. 60098-STD1-0137

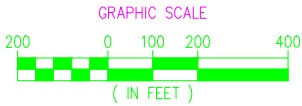


							NEW SITE PLAN CIVIL LOCATION PLAN BEAUMONT MARINE WEST BEAUMONT, JEFFERSON COUNTY, TX		SUPERSEDES SP2	
							DRAWING SCALE	NONE	ENTERPRISE APPROVED	CHARLES CHESTER
NO.	REVISION	DRAWN	CHECKED	APPRVD	DATE	DRAWN BY	10/2017	DATE	10/2017	
00	AS-BUILT PER OPERATIONS		MW	CC	10/2017	CHECKED BY	MW	ENTERPRISE PROJECT #	OT1095	
						APPROVED BY	CC			
						DOCUMENT CONTROL #	60098-CIPL-0039	DRAWING NUMBER	60098-CIPL-0039	



NOTES:
1. SEE GENERAL NOTES ON DWG. 60098-001-0017

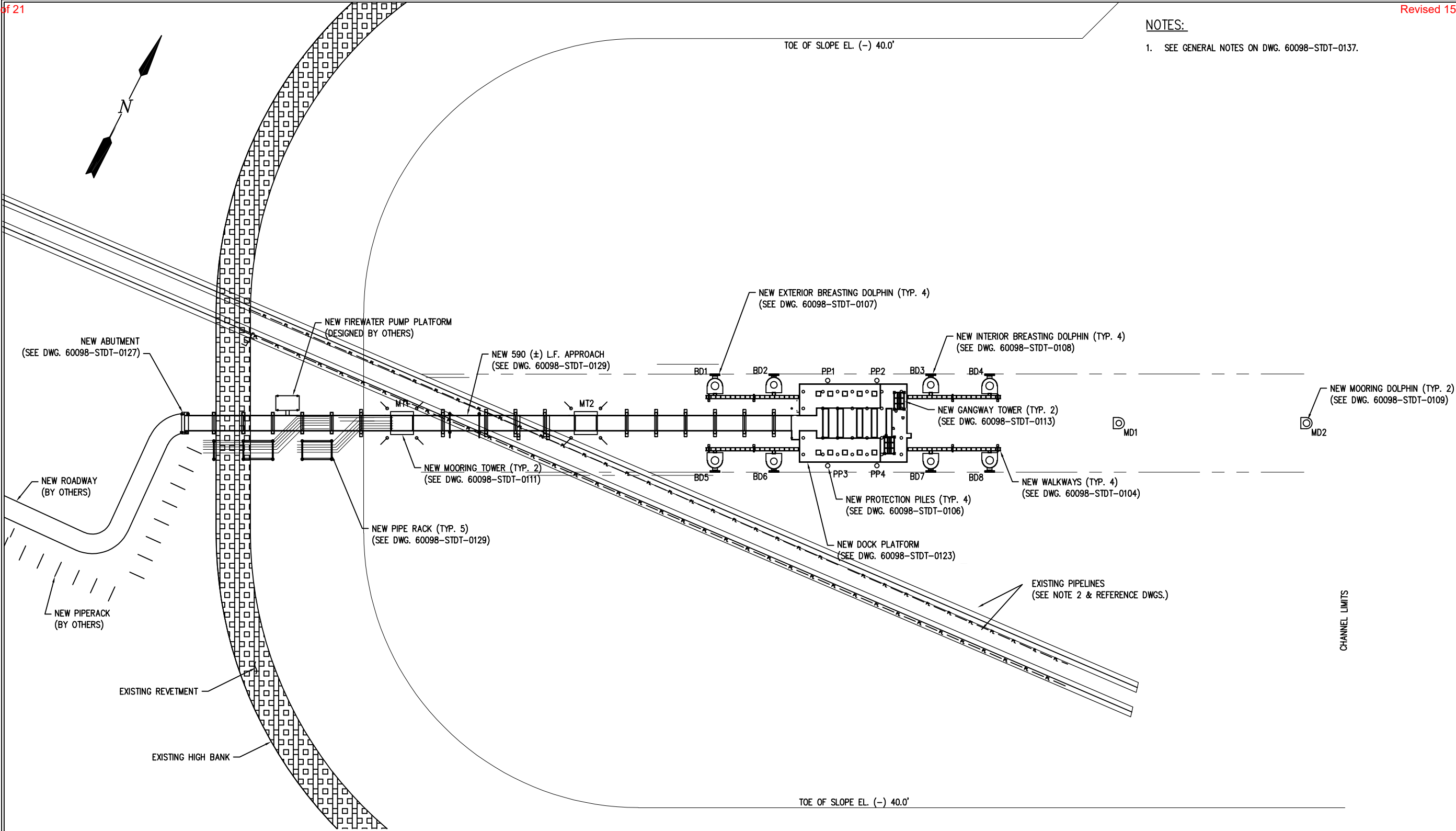
NEW SITE PLAN



SUPERSEDES SP2

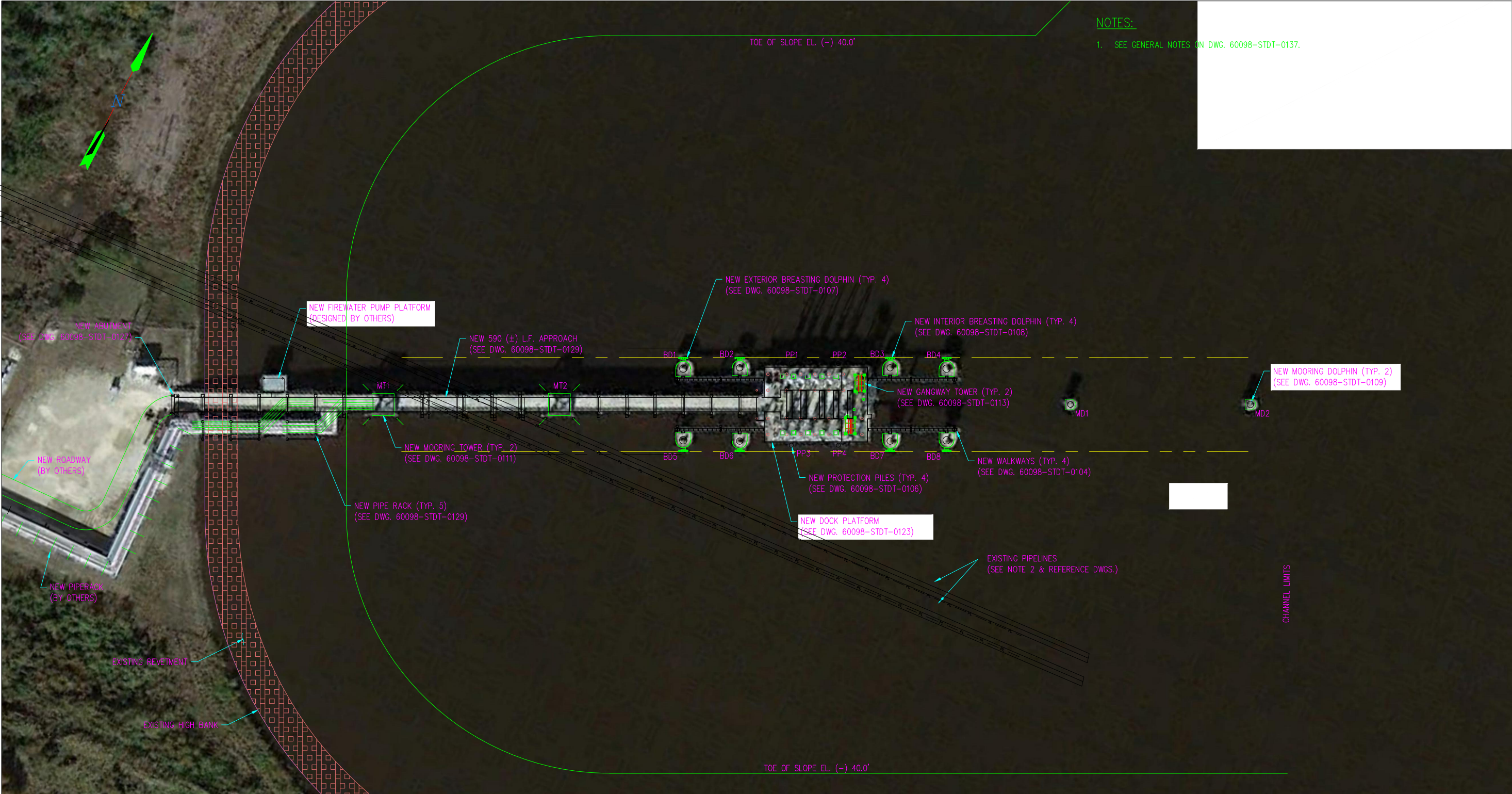
						NEW SITE PLAN CIVIL LOCATION PLAN BEAUMONT MARINE WEST BEAUMONT, JEFFERSON COUNTY, TX			
						DRAWING SCALE	NONE	ENTERPRISE APPROVED	CHARLES CHESTER
NO.	REVISION	DRAWN	CHECKED	APPRVD	DATE	DRAWN BY	10/2017	DATE	10/2017
00	AS-BUILT PER OPERATIONS		MW	CC	10/2017	CHECKED BY	MW	ENTERPRISE PROJECT #	OT1095
						APPROVED BY	CC		
						DOCUMENT CONTROL #	60098-CIPL-0039	DRAWING NUMBER	60098-CIPL-0039

- NOTES:
- SEE GENERAL NOTES ON DWG. 60098-STDT-0137.



ENLARGED NEW SITE PLAN
GRAPHIC SCALE

							NEW PLAN SITE CIVIL LOCATION PLAN BEAUMONT MARINE WEST BEAUMONT, JEFFERSON COUNTY, TX	SUPERSEDES SP3	
							DRAWING SCALE	ENTERPRISE APPROVED	CHARLES CHESTER
NO.	REVISION	DRAWN	CHECKED	APPRVD	DATE	DRAWN BY	10/2017	DATE	10/2017
00	AS-BUILT PER OPERATIONS		MW	CC	10/2017	CHECKED BY	MW	ENTERPRISE	OT1095
						APPROVED BY	CC	PROJECT #	
						DOCUMENT CONTROL #	60098-CIPL-0040	DRAWING NUMBER	60098-CIPL-0040

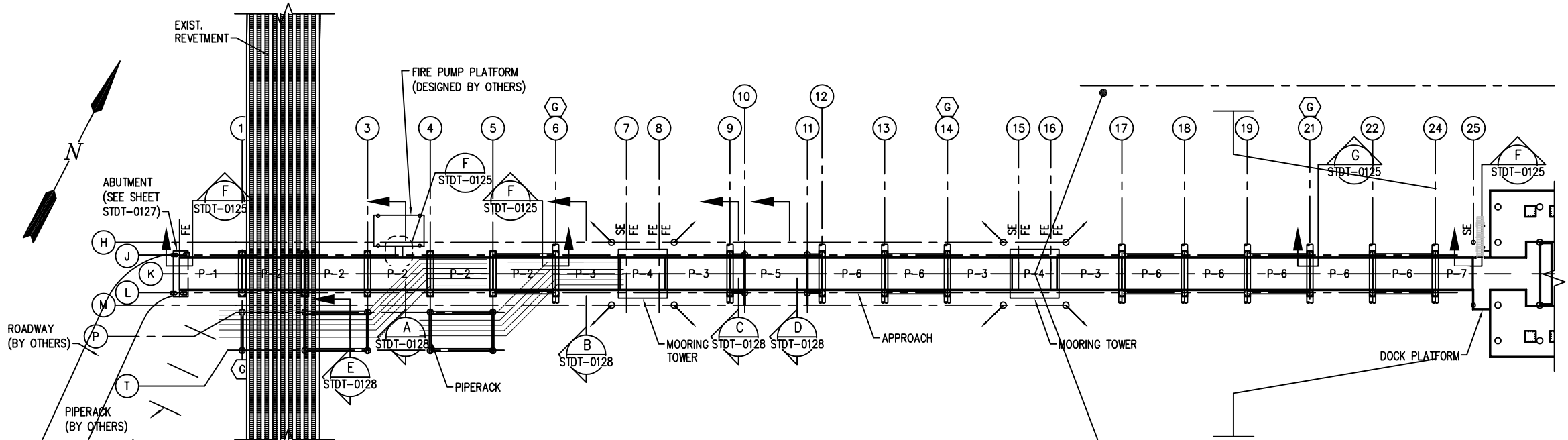


ENLARGED NEW SITE PLAN
GRAPHIC SCALE

SUPERSEDES SP3

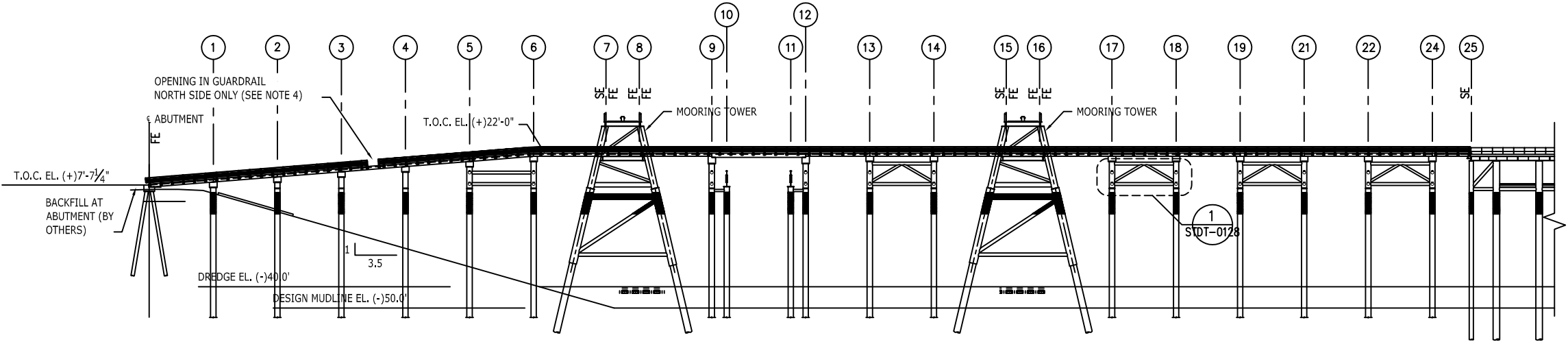
						NEW PLAN SITE CIVIL LOCATION PLAN BEAUMONT MARINE WEST BEAUMONT, JEFFERSON COUNTY, TX			
						DRAWING SCALE	NONE	ENTERPRISE APPROVED	CHARLES CHESTER
NO.	REVISION	DRAWN	CHECKED	APPRVD	DATE	DRAWN BY	10/2017	DATE	10/2017
00	AS-BUILT PER OPERATIONS		MW	CC	10/2017	CHECKED BY	MW	ENTERPRISE PROJECT #	OT1095
						APPROVED BY	CC		
						DOCUMENT CONTROL #	60098-CIPL-0040	DRAWING NUMBER	60098-CIPL-0040

- NOTES:
1. SEE GENERAL NOTES ON DWG. 60098-STDT-0137.
 2. BREASTING DOLPHINS AND WALKWAYS NOT SHOWN FOR CLARITY.
 3. FOR LOCATIONS OF PILES SEE DWG. 60098-STDT-0133 & STDT 0130.



APPROACH PLAN
SCALE: 1" = 30'-0"

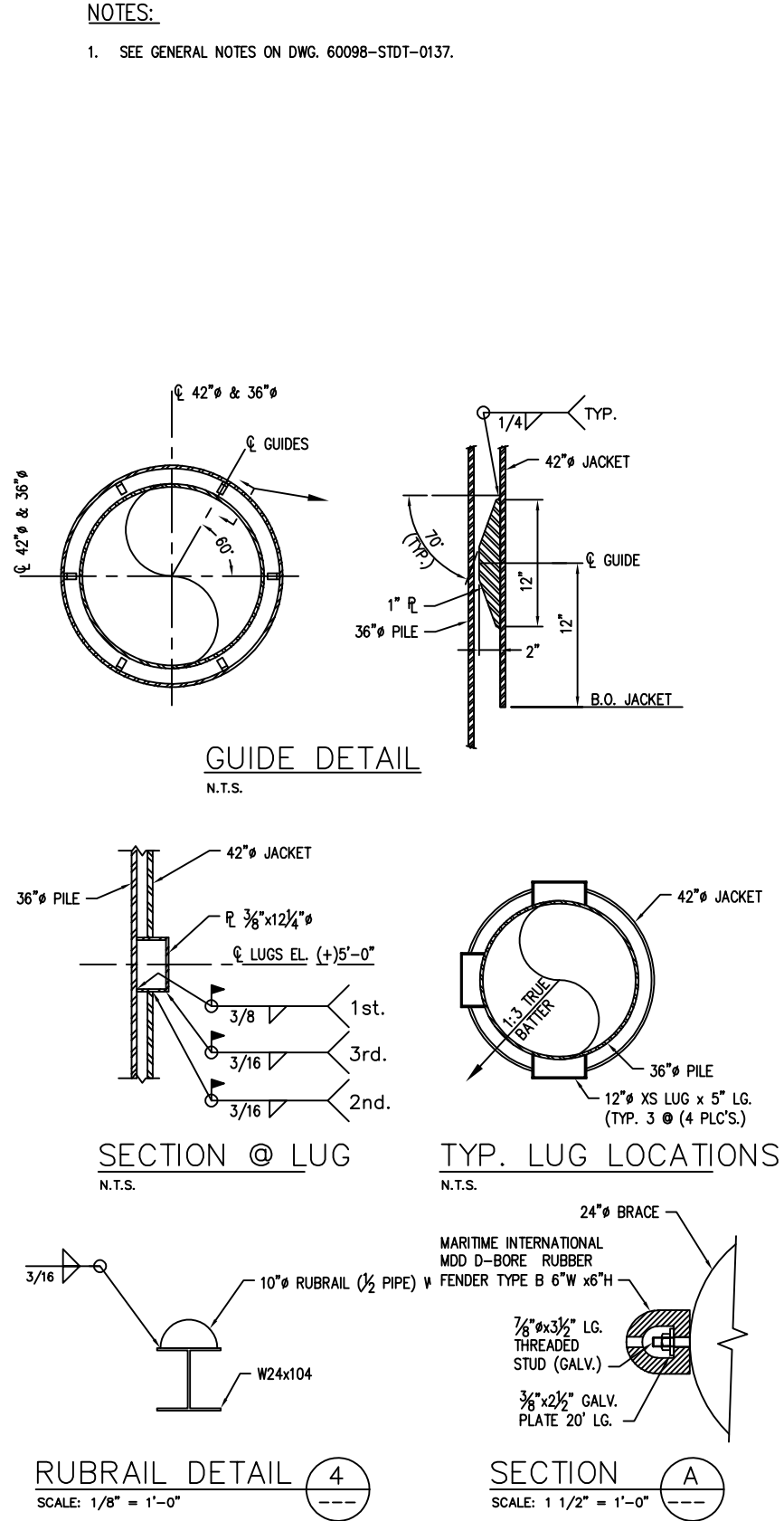
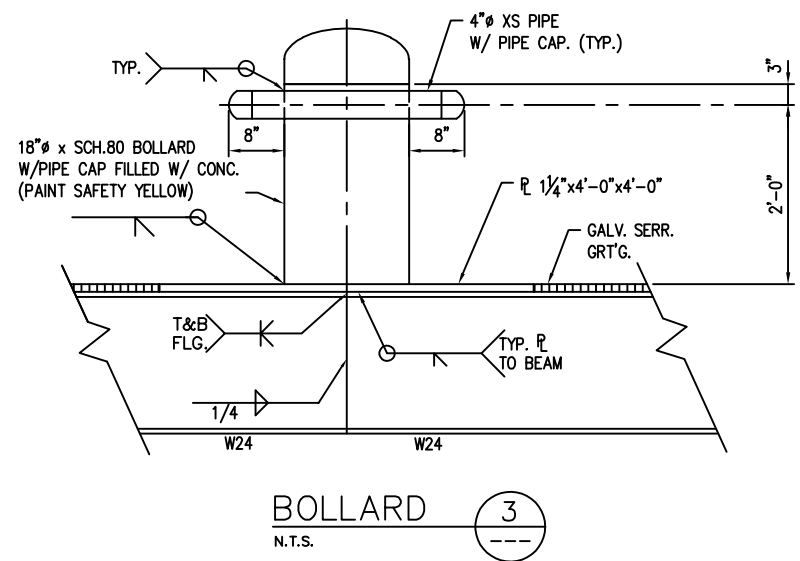
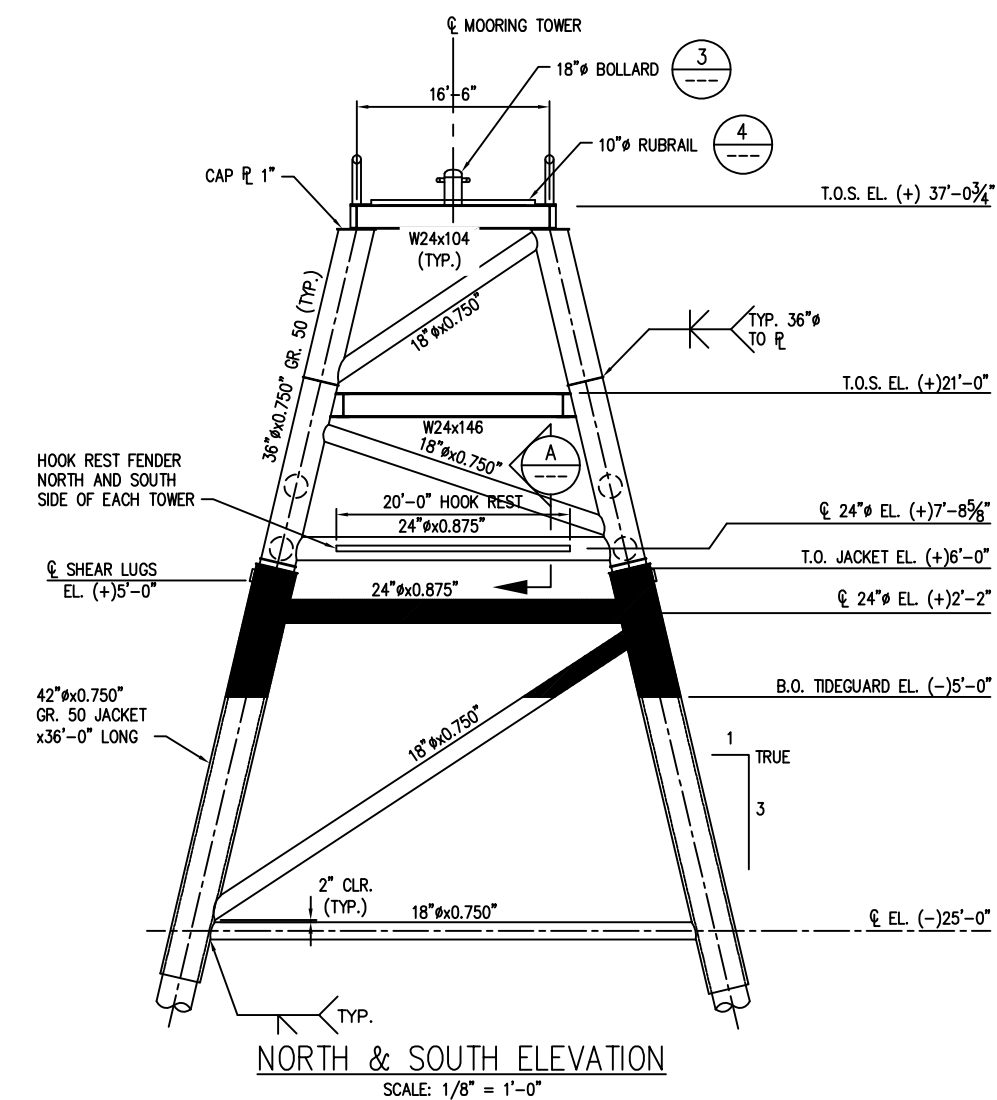
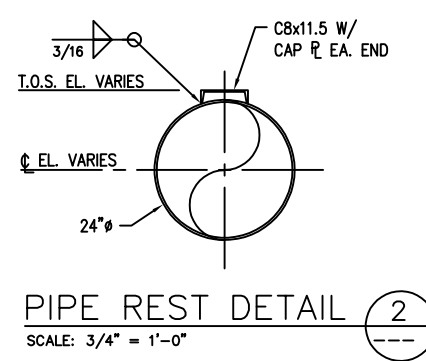
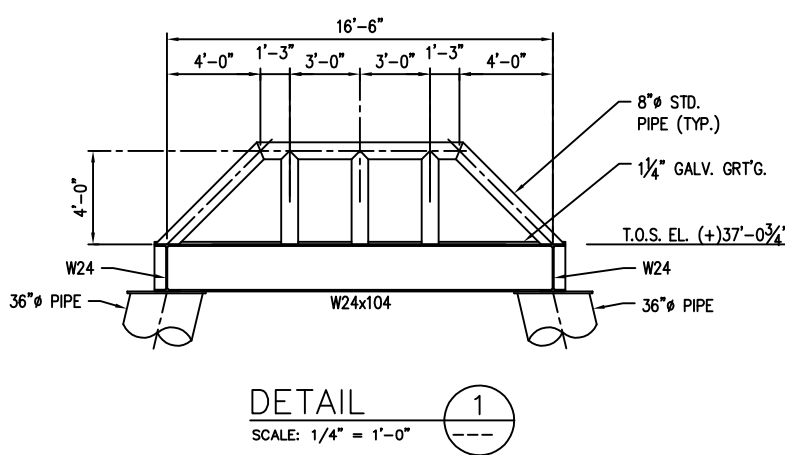
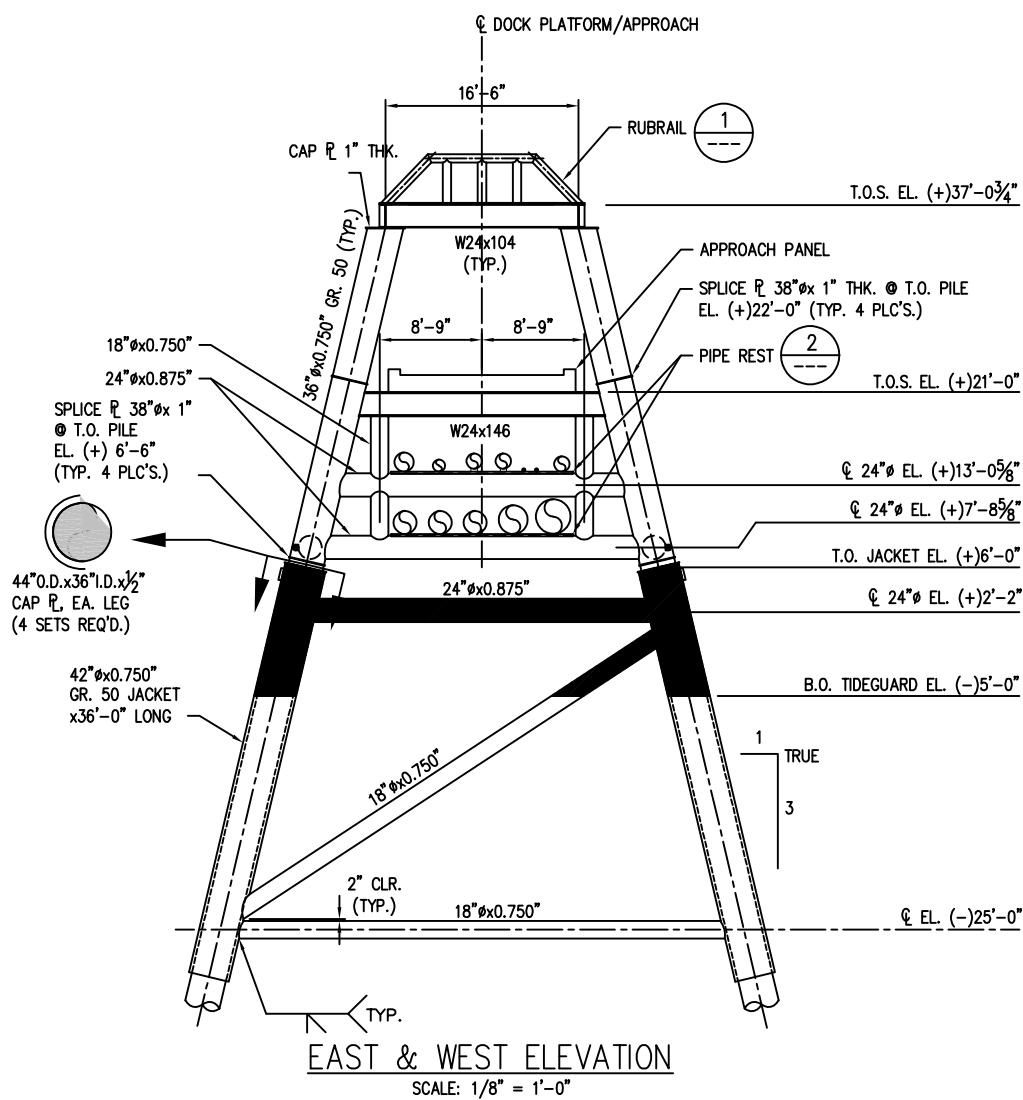
FE - FIXED END, PANEL GROUTED AT DOWELS
SE - SLIDING END, PANEL GROUTED WITH ELASTOMERIC MATERIAL AT DOWELS.



APPROACH ELEVATION
SCALE: 1" = 30'-0"

SUPERSEDES S4

							APPROACH ELEVATION STRUCTURAL DETAILS AND SECTIONS BEAUMONT MARINE WEST BEAUMONT, JEFFERSON COUNTY, TX		Enterprise Products	
							DRAWING SCALE	NONE	ENTERPRISE APPROVED	CHARLES CHESTER
NO.	REVISION	DRAWN	CHECKED	APPRVD	DATE	DRAWN BY	CHECKED BY	DATE	ENTERPRISE PROJECT #	OT1095
00	AS-BUILT PER OPERATIONS		MW	CC	10/2017	MW	CC	10/2017		
							DOCUMENT CONTROL #	60098-STDT-0129	DRAWING NUMBER	60098-STDT-0129



MOORING TOWERS DETAILS							STRUCTURAL DETAILS AND SECTIONS		Enterprise Products	
BEAUMONT MARINE WEST							BEAUMONT, JEFFERSON COUNTY, TX		CHARLES CHESTER	
DRAWING SCALE							NONE		APPROVED	
NO.							DRAWN BY		DATE	
00							AS-BUILT PER OPERATIONS		10/2017	
							CHECKED BY		10/2017	
							APPROVED BY		10/2017	
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									DRAWING NUMBER	
									60098-STDT-0111	