

Calcasieu Pass Terminal and TransCameron Pipeline Project

Cameron Parish, Louisiana

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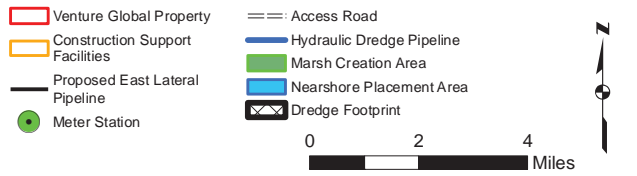
Joint Permit Application
Calcasieu Pass Terminal
 Applicant: Venture Global Calcasieu Pass, LLC
 Cameron Parish, Louisiana

CALCASIEU PASS

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Project Vicinity Map
 Calcasieu Pass Terminal and TransCameron Pipeline Project
 Cameron Parish, Louisiana

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General Notes:

1. Descriptions of the proposed work are provided in the Joint Permit Application Narrative.
2. Impact quantities are provided in the Joint Permit Application Narrative unless specifically shown on an individual Permit Drawing.
3. The Joint Permit Application Drawings contained herein are issued to accompany the Joint Permit Application Form and Joint Permit Application Narrative.
4. The Joint Permit Application Drawings contained herein are issued for permitting purposes, not for construction.
5. As-built drawings and/or plats shall have written on them the date of completion of said activities and shall be submitted to the Louisiana Department of Natural Resources, Office of Coastal Management, P. O. Box 44487, Baton Rouge, LA 70804-4487 within 30 days following project completion.
6. All structures built under the authorization and conditions of this permit shall be removed from the site within 120 days of abandonment of the facilities for the herein permitted use, or when these structures fall into a state of disrepair such that they can no longer function as intended. This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required, for such removal activities.
7. Structures must also be marked/lighted in accordance with U. S. Coast Guard regulations.
8. In order to ensure the safety of all parties, the permittee shall contact the Louisiana One Call System (1-800-272-3020) a minimum of 48 hours prior to the commencement of any excavation (digging, dredging, jetting, etc.) or demolition activity.
9. The work and features shown on the Permit Drawings are the responsibility of the Applicant as defined on the Joint Permit Application Form. The description of the work and features, including itemization and quantification of impacts, are contained in the Joint Permit Application Narrative, submitted with the application. The Joint Permit Application Narrative describes the work and features shown on the Permit Drawings herein as well as work and features to be performed by the Applicant's affiliated company. The Applicant's affiliated company has submitted an independent Joint Permit Application for the work and features it will perform. For the purposes of understanding the complete project, refer to the Joint Permit Application Narrative. Application materials submitted and correspondence pertaining to the work and features to be performed by the Applicant's affiliated company are available under the permit application file of the affiliated company with the LDNR and USACE.

General Notes

Calcasieu Pass Terminal and TransCameron Pipeline Project
Cameron Parish, Louisiana

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TABLE A
Calcasieu Pass Terminal and TransCameron Pipeline Project
Step 10 Supplemental Sheet Quantities Summary for the Terminal Facilities

Terminal Facilities ^a	Impact Area (Acres) ^b						Total	Percent of Facility within wetland and/or waters (%)	Dredged / Excavated (cubic yards)	Fill Placed Onsite (Cubic Yards) ^c										
	Uplands		Wetland		Waters					Concrete	Crushed Limestone / Gravel	Crushed Stone	Rock (Rip-rap)	Sand	Topsoil	Clay	Asphalt	Dredged Materials/ Native Materials	Total Placed Onsite	Total Fill in wetland / waters ^d
	Temporary Impact	Permanent Impact	Temporary Impact	Permanent Impact	Temporary Impact	Permanent Impact														
PROPERTY BOUNDARY																				
<u>Operational Footprint</u>																				
Terminal Site																				
Floodwall and Marine Berm Footprint	0.00	20.41	0.00	31.75	0.00	0.26	52.42	61.1	0	9,340	0	0	70,235	5,850	6,585	284,876	0	0	376,886	230,277
Interior to Floodwall/Berm	0.00	127.17	0.00	86.87	0.00	0.96	215	40.9	0	166,130	185,330	926,641	0	0	0	0	462	0	1,278,563	522,932
Admin/Security Buildings	0.00	1.02	0.00	0.67	0.00	0.02	1.71	40.1	0	270	1,280	0	0	0	0	380	0	1,930	774	0
Northeast Access Road	0.00	9.82	0.00	3.14	0.00	0.06	13.02	24.6	275	0	96,500	0	0	350	350	0	0	275	97,475	23,911
Southwest Service Road to Jetty Pier	0.00	0.48	0.00	0.47	0.00	0.00	0.95	49.0	15	0	7,520	15,022	0	0	0	0	0	15	22,557	11,046
Marine Facilities (Area Removed by Excavation)	0.00	11.06	0.00	17.07	0.00	1.20	29.33	62.3		5,320	0	0	48,982	0	0	0	0	0	54,302	33,830
Marine Facilities (Area Altered by Dredging)	0.00	0.00	0.00	0.00	0.00	64.77	64.77			0	0	0	0	0	0	0	0	0	0	0
<u>Temporary Footprint</u>																				
Martin Access Road ^f	0.00	0.72	0.00	0.79	0.00	0.00	1.51	52.3	4,872	101	2,436	4,872	0	0	0	0	0	4,872	12,281	3,822
DeHyCo Access Road	0.00	0.00	0.06	0.00	0.00	0.00	0.06	100.0	3,615	0	3,615	3,615	0	0	0	0	0	3,615	10,845	7,230
East TWS	34.99	0.00	24.73	0.00	0.00	0.00	59.72	41.1	0	0	199,902	0	0	0	0	0	0	199,902	82,160	0
Floodwall TWS	5.69	0.00	17.21	0.00	0.12	0.00	23.02	75.3	0	0	74,279	0	0	0	0	0	0	74,279	55,919	0
Southwest TWS	1.78	0.00	0.75	0.00	<0.01	0.00	2.53	29.6	0	0	5,324	0	0	0	0	0	0	5,324	2,420	0
Northeast TWS	4.98	0.00	0.26	0.00	0.00	0.00	5.24	5.0	0	0	16,908	0	0	0	0	0	0	16,908	845	0
Northwest TWS	1.19	0.00	0.01	0.00	0.00	0.00	1.2	0.8	0	0	3,872	0	0	0	0	0	0	3,872	32	0
<u>Dredged Material Placement</u>																				
Nearshore at West Beach	0.00	0.00	0.00	0.00	1,328.0	0.00	1328.0	100.0	0	0	0	0	0	0	0	0	0	4,280,000	4,280,000	4,280,000
Marsh Restoration at Cameron Prairie National Wildlife Refuge	0.00	0.00	0.00	0.00	0.00	137.0	137.0	100.0	0	0	0	0	0	0	0	0	0	720,000	720,000	720,000
Dredge Pipeline & Booster Pump Access across Calcasieu Lake/Adjacent Levee	0.46	0.00	0.00	0.00	47.19	0.00	47.65	99.0	223,333	0	0	0	0	0	0	0	0	223,333	223,333	223,333
Subtotal	49.09	170.68	43.02	140.76	1,375.31	204.27	1,983.13		5,232,110	181,161	596,966	950,150	119,217	6,200	6,935	284,876	842	5,232,110	7,378,457	6,198,531
<u>CONSTRUCTION SUPPORT FACILITIES</u>																				
Liberty Support Facility	21.20	0.00	0.92	0.00	0.00	0.00	22.12	4.2	0	0	0	23,775	0	0	0	0	0	23,775	999	0
Martin Support Facility	10.47	0.00	0.00	0.00	0.00	0.00	10.47	0.0	0	0	0	10,900	0	0	0	0	0	10,900	0	0
DeHyCo Support Facility	9.10	0.00	0.00	0.00	0.00	0.00	9.10	0.0	0	0	9,450	0	0	0	0	0	0	9,450	0	0
Mudd Support Facility	7.07	0.00	0.00	0.00	0.00	0.00	7.07	0.0	0	0	0	0	0	0	0	0	0	0	0	0
Baker Hughes Support Facility	2.61	0.00	0.00	0.00	0.00	0.00	2.61	0.0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	50.45	0	0.92	0	0	0	51.37		0	0	0	44,125	0	0	0	0	0	44,125	999	0
Total	99.54	170.68	43.94	140.76	1,375.31	204.27	2,034.5		5,232,110	181,161	596,966	994,275	119,217	6,200	6,935	284,876	842	5,232,110	7,422,582	6,199,530

^a The work areas / elements identified above are described in the JPA Narrative and shown on the JPA Permit Drawings.

^b The acreages in this table have been rounded for presentation purposes. As a result, the totals may not reflect the exact sum of the addends in all cases.

^c Fill quantities presented are reflective of LDNR JPA Form Step 10 and represent material quantities placed on lands regardless of whether uplands, wetlands, or waterbodies.

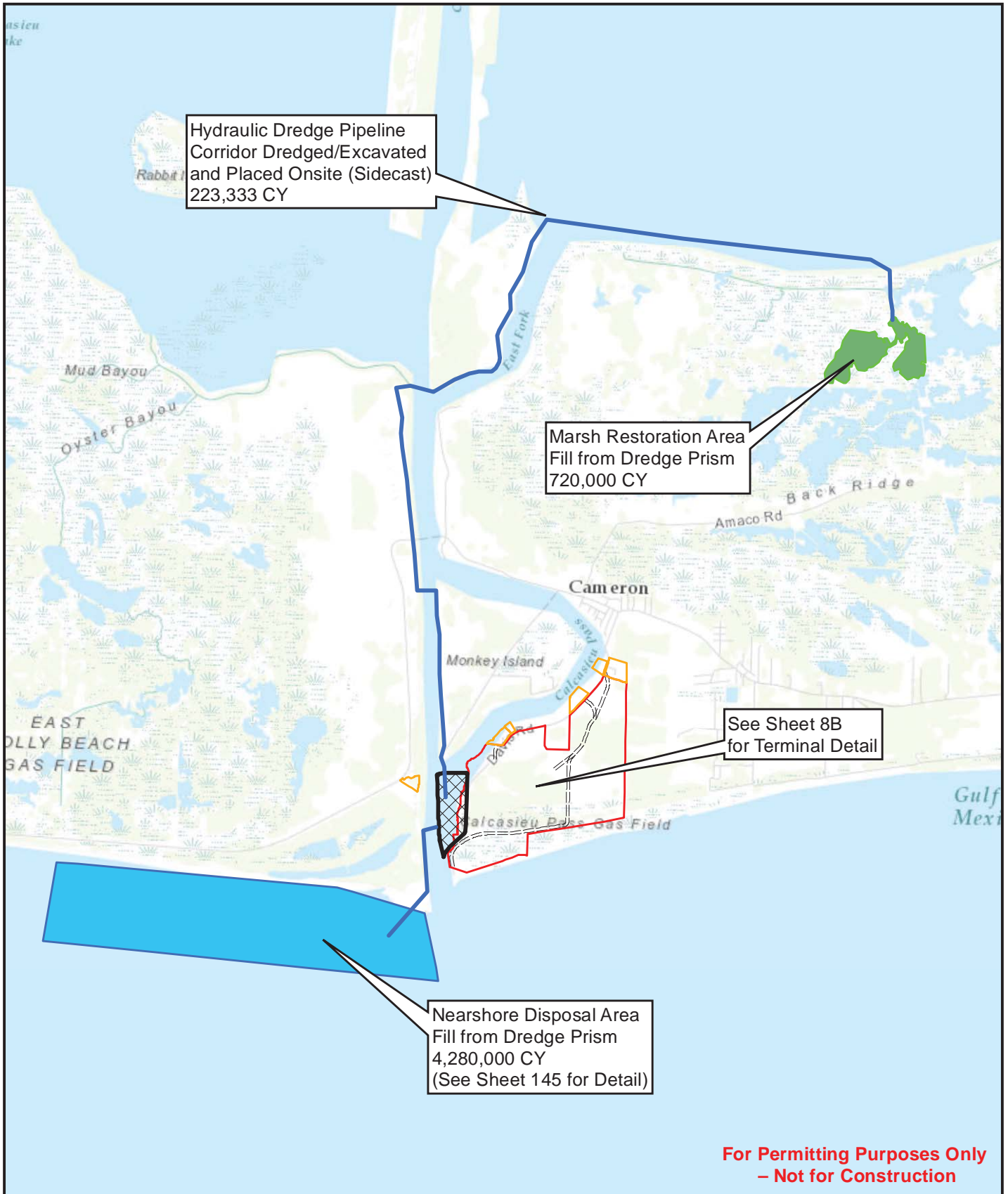
^d Amount of fill in wetland/waters was calculated based on the percent of the facility footprint that is in wetland/waters.

^e Up to 5,000,000 cubic yards of excavated material will be dredged/excavated and used for offshore marsh restoration (720,000 cubic yards) or disposed of nearshore (4,280,000 cubic yards).

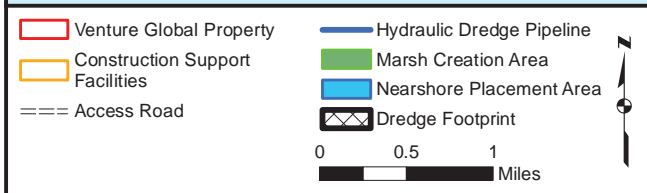
^f Martin Access Road includes 2,436 cubic yards of crushed limestone/gravel as temporary fill.

TABLE B Calcasieu Pass Terminal and TransCameron Pipeline Project Step 10 Supplemental Sheet Quantities Summary for the Terminal Facilities					
		Volume (cubic Yards)	Volume of Fill Placed within wetland/waters (cubic yards)	Wetland/Waters (Acres)	All Lands (Acres)
Terminal Site					
Excavation	Permanent	5,000,000 ^a	N/A	83.04	94.1
Fill	Permanent	1,831,713	822,770	124.2	283.1
Temporary Footprint					
Fill	Permanent/ Temporary	323,411	152,428	43.93	93.28
Dredged Material Placement					
Fill	Temporary/ Permanent	5,223,333	5,223,333	1512.19	1512.65
Construction Support Facilities					
Fill	Permanent/ Temporary	44,125	999	0.92	51.37
Total		7,422,582	6,199,530	1,764.78	2,034.5

^a The 5,000,000 cubic yards of excavated materials associated with the Marine Facilities will be used for marsh restoration (720,000 cubic yards) and disposed of nearshore (4,280,000). This value is excluded from the total to avoid double counting.

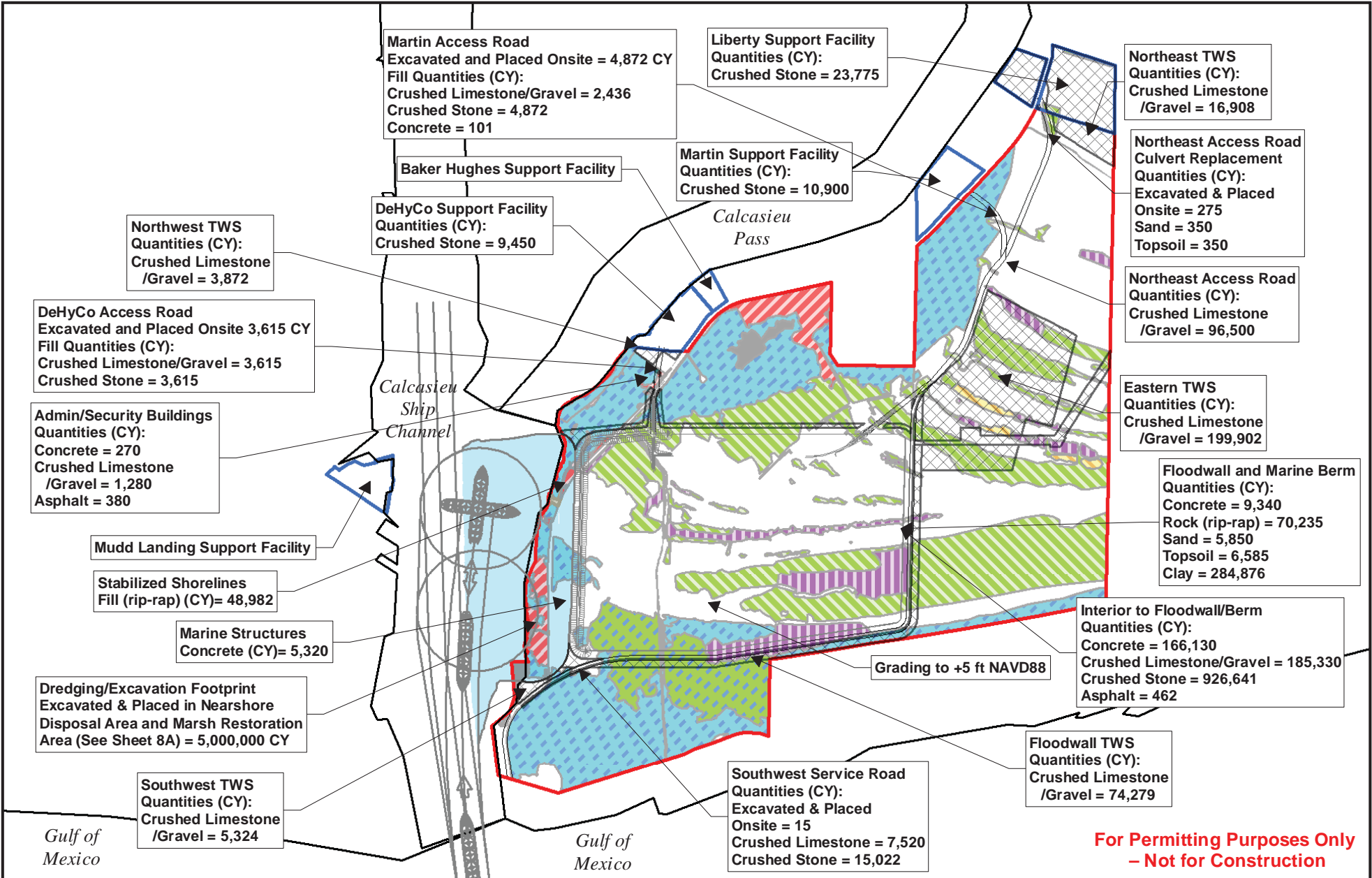


**For Permitting Purposes Only
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Sheet 8A
Estimated Fill Quantities Overview
 Calcasieu Pass Terminal and TransCameron Pipeline Project
 Cameron Parish, Louisiana

CALCASIEU PASS **TransCameron**
PIPELINE



**For Permitting Purposes Only
- Not for Construction**



Venture Global Property	Dredge Footprint and Excavation Area	PEM Wetland
Construction Support Facility	E2EM Wetland	PFO Wetland
Access Road	E2EM-Mosaic Wetland	PSS Wetland
Temporary Workspace	E2SS Wetland	Mudflat
		Waterbodies

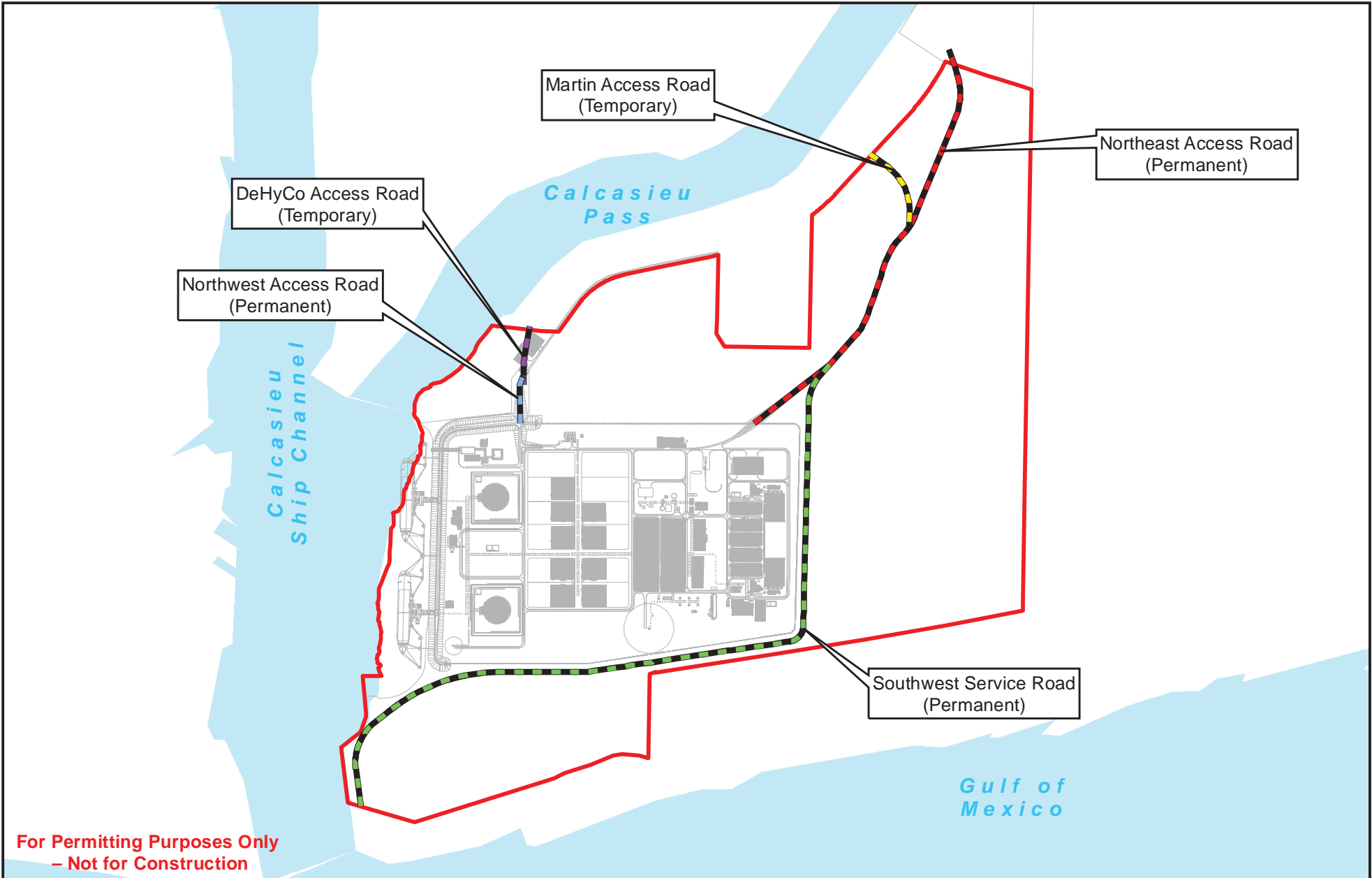
0 1,000 2,000 Feet

Sheet 8B
Estimated Fill Quantities
Calcasieu Pass Terminal
Cameron Parish, Louisiana

CALCASIEU PASS

TransCameron
PIPELINE

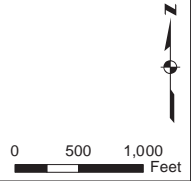
DRAWN BY: JMS



For Permitting Purposes Only
- Not for Construction



- | | |
|-------------------------|------------------------|
| Venture Global Property | Northeast Access Road |
| DeHyCo Access Road | Northwest Access Road |
| Martin Access Road | Southwest Service Road |

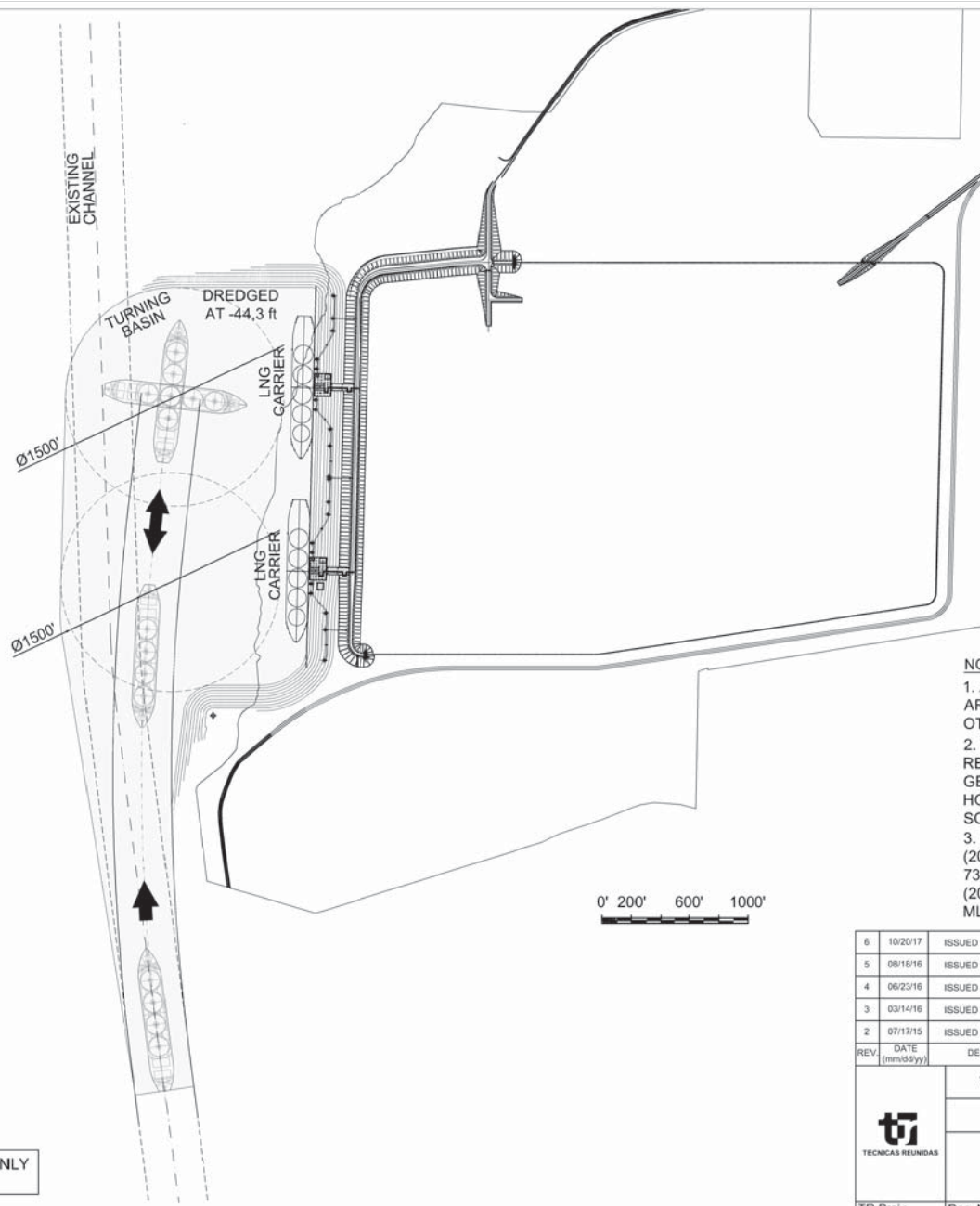


CALCASIEU PASS

Sheet 9
Road Plot Plan
 Calcasieu Pass Terminal
 Cameron Parish, Louisiana



PLANT & TRUE NORTH

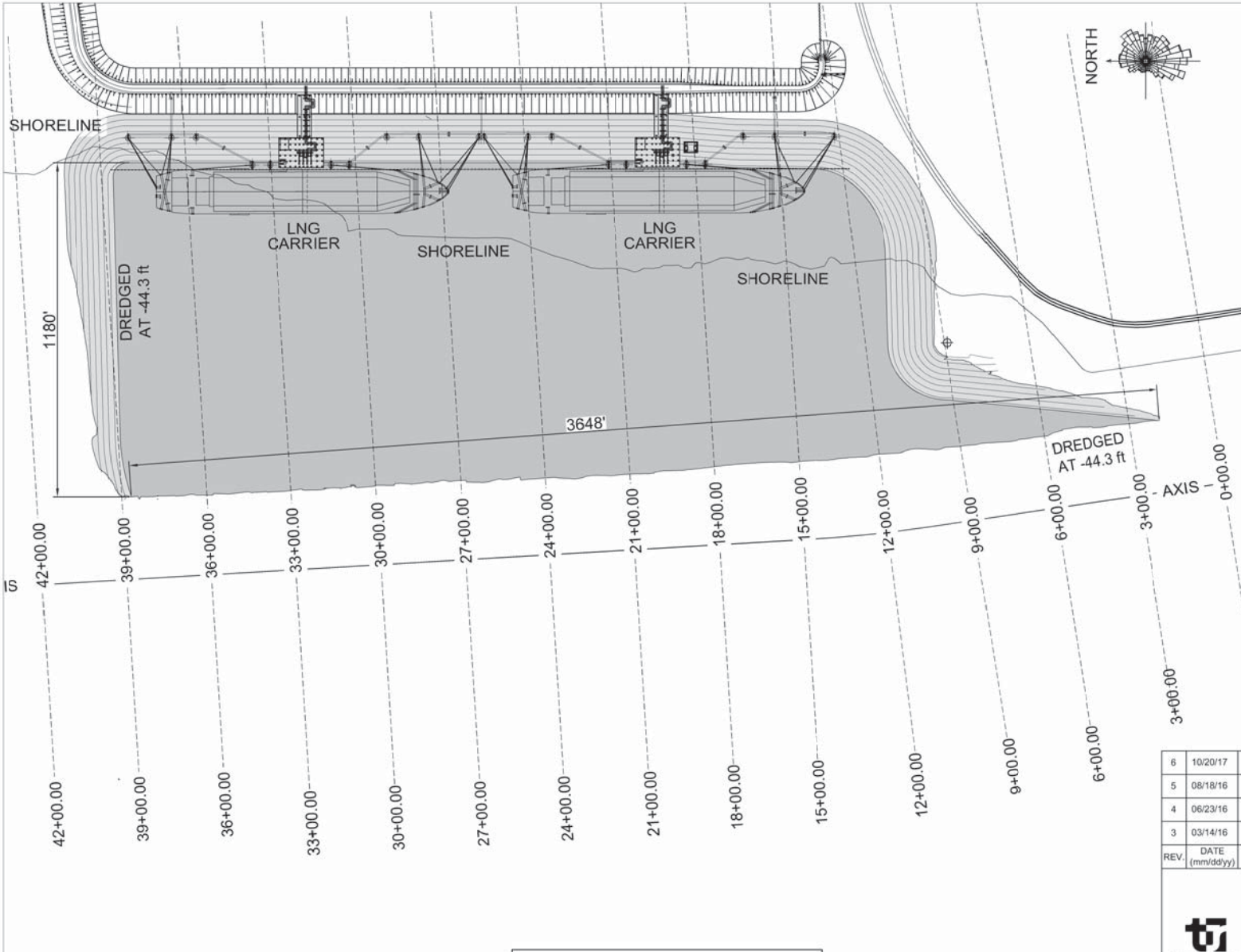


- NOTES :**
1. ALL DISTANCES AND ELEVATIONS ARE EXPRESSED IN FEET UNLESS OTHERWISE NOTED.
 2. COORDINATE SYSTEM IS REFERENCED TO THE NATIONAL GEODETIC SURVEY NAD 83 HORIZONTAL DATUM. LOUISIANA SOUTH.
 3. DEPTHS REFERENCED TO NAVD88 (2009.55) Datum Relationships for gage 73650as for December 2013: 0.0' NAVD88 (2009.55) = 1.3'MLLW = 2.3'MLG or 0.0' MLLW = 1.0' MLG

FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

6	10/20/17	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
5	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
4	06/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
3	03/14/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
2	07/17/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS MARINE GENERAL PLAN						
TR Proj.:	8581	Doc. Number:	8581-200-OX-001-AE	Scale:	1"=250'	Sheet: 1/1 Rev. : 6





LEGEND:
 [Shaded Area] DREDGING / EXCAVATION FOOTPRINT,
 SEE SECTION SHEETS FOR VERTICAL
 LIMITS.

- NOTES :**
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6	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
5	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
4	06/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
3	03/14/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

	VENTURE GLOBAL CALCASIEU PASS, LLC				
	CALCASIEU PASS				
	DREDGING PLAN				

DREDGING FOOTPRINT = 93.5 ACRES



FOR PERMITTING PURPOSES ONLY
 NOT FOR CONSTRUCTION

TR Proj.: 8581	Doc. Number: 8581-200-OG-D01-AD	Scale: 1"/175'	Sheet: 1/1	Rev.: 6
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LNG MARINE TERMINAL
DREDGING PROFILES AND SECTIONS


INDEX

DRAWING	DESCRIPTION
8581-200-OG-D02-AD-H00	LNG MARINE TERMINAL. DREDGING PROFILES AND SECTIONS. INDEX
8581-200-OG-D02-AD-H01	LNG MARINE TERMINAL. DREDGING PROFILES AND SECTIONS
8581-200-OG-D02-AD-H02	LNG MARINE TERMINAL. DREDGING PROFILES AND SECTIONS
8581-200-OG-D02-AD-H03	LNG MARINE TERMINAL. DREDGING PROFILES AND SECTIONS
8581-200-OG-D02-AD-H04	LNG MARINE TERMINAL. DREDGING PROFILES AND SECTIONS

NOTES :

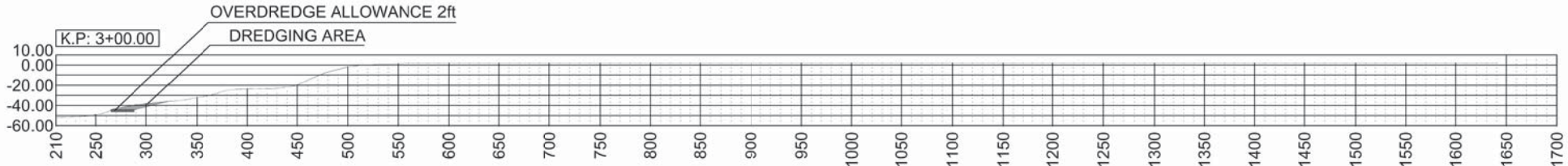
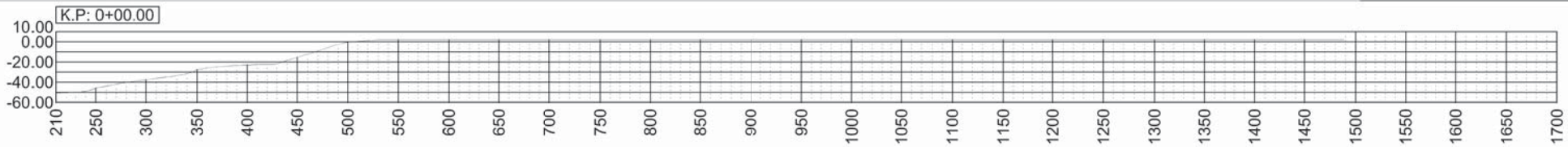
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4. DREDGING DEPTH 44.3' NAVD88 (43.0' MLLW)
5. DISTANCE REFERRED TO AXIS (SEE DRAWING:8581-200-OG-D01-AD)

5	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
4	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
3	03/14/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
2	07/30/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

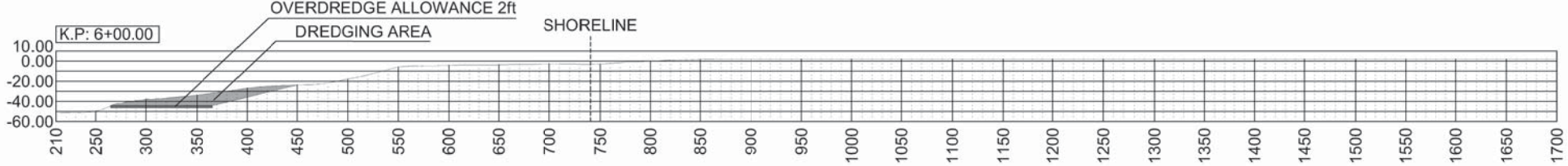
	VENTURE GLOBAL CALCASIEU PASS, LLC					
	CALCASIEU PASS					
	LNG MARINE TERMINAL DREDGING PROFILES AND SECTIONS INDEX					

TR Proj.:	Doc. Number:	Scale:	Sheet:	Rev. :
8581	8581-200-OG-D02-AD	-	1/5	5

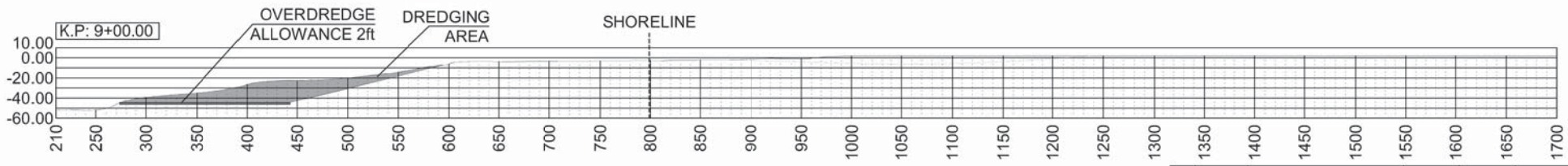
FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION



DREDGING AREA : 148.27 ft²
 OVERDREDGE ALLOWANCE AREA: 46.65 ft²



DREDGING AREA : 343.60 ft²
 OVERDREDGE ALLOWANCE AREA : 202.06 ft²



DREDGING AREA : 5154.68 ft²
 OVERDREDGE ALLOWANCE AREA : 338.97 ft²

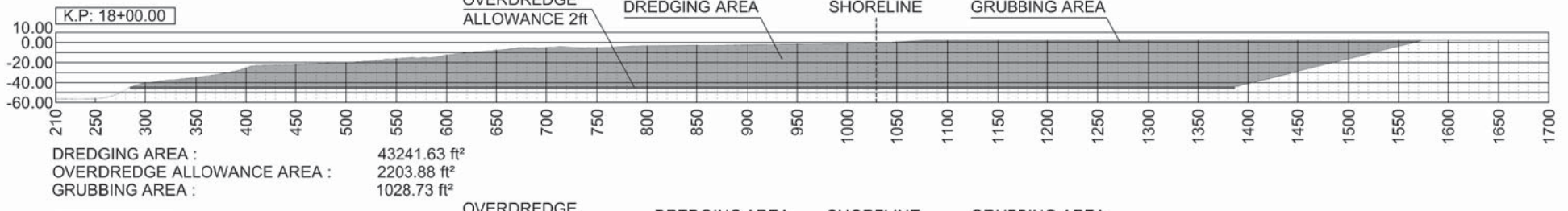
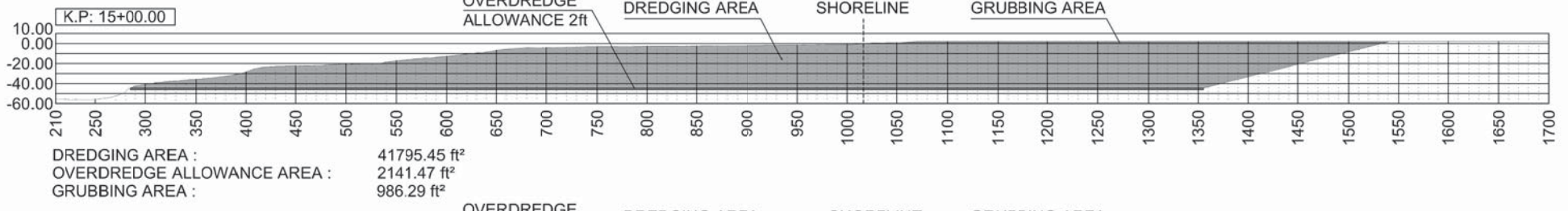
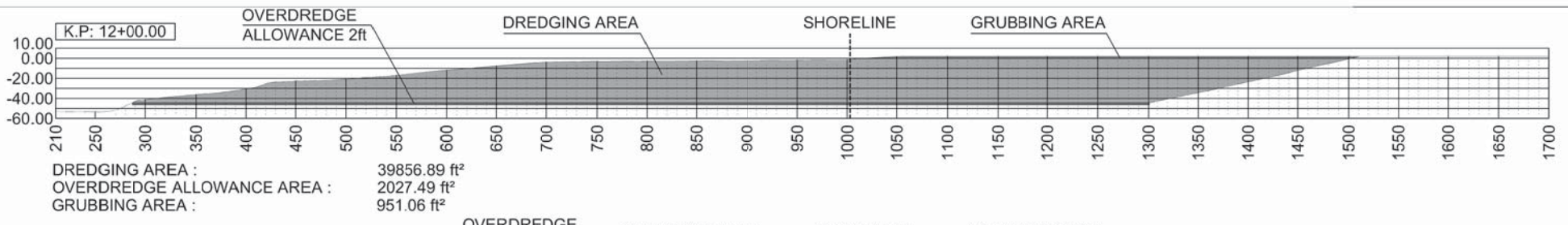
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5. DISTANCE REFERRED TO AXIS (SEE DRAWING: 8581-200-OG-D01-AD.dwg)

FOR PERMITTING PURPOSES ONLY
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5	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
4	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
3	03/14/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
2	07/30/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS LNG MARINE TERMINAL DREDGING PROFILES AND SECTIONS						
TR Proj.:	8581	Doc. Number:	8581-200-OG-D02-AD	Scale:	1"=50'	Sheet: 2/5
						Rev. : 5

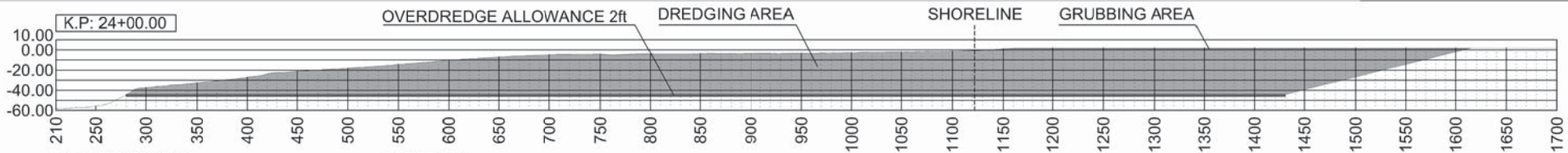




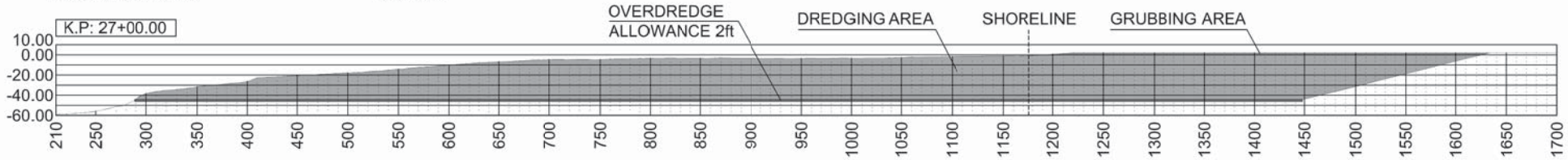
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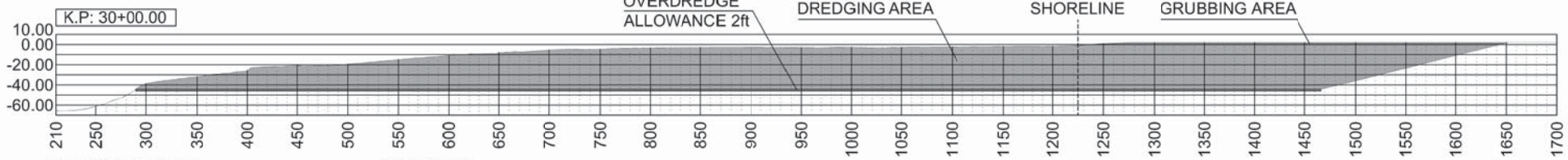
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4	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP				
3	03/14/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP				
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REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER			
			VENTURE GLOBAL CALCASIEU PASS, LLC						
			CALCASIEU PASS						
			LNG MARINE TERMINAL DREDGING PROFILES AND SECTIONS						
TR Proj.:	8581	Doc. Number:	8581-200-OG-D02-AD	Scale:	1"/50'	Sheet:	3/5	Rev. :	5



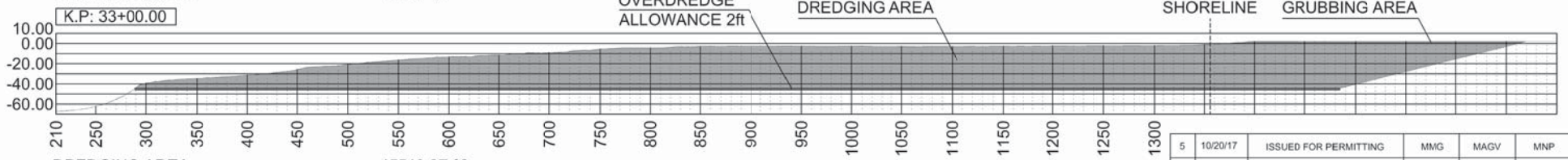
DREDGING AREA : 45235.87 ft²
 OVERDREDGE ALLOWANCE AREA : 2300.05 ft²
 GRUBBING AREA : 928.55 ft²



DREDGING AREA : 45985.61 ft²
 OVERDREDGE ALLOWANCE AREA : 2318.51 ft²
 GRUBBING AREA : 850.06 ft²



DREDGING AREA : 46445.25 ft²
 OVERDREDGE ALLOWANCE AREA : 2352.96 ft²
 GRUBBING AREA : 787.47 ft²




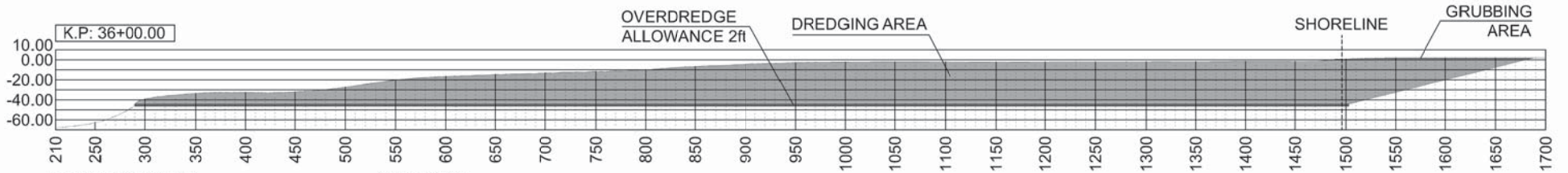
DREDGING AREA : 45548.87 ft²
 OVERDREDGE ALLOWANCE AREA : 2391.09 ft²
 GRUBBING AREA : 560.31 ft²

NOTES :

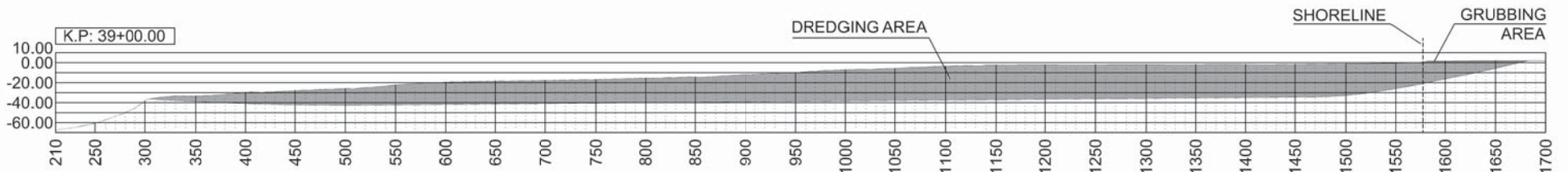
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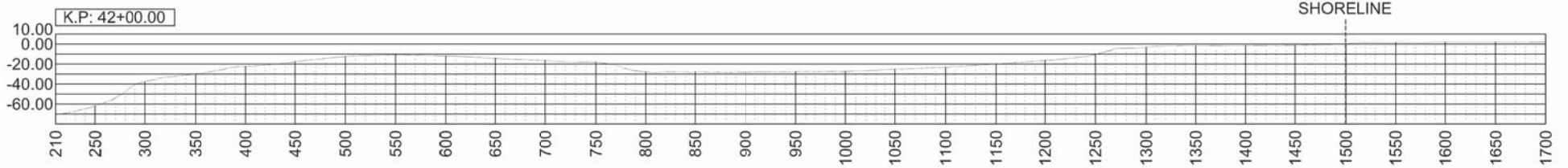
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4	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP		
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2	07/30/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP		
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER	
 VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS LNG MARINE TERMINAL DREDGING PROFILES AND SECTIONS							
			TR Proj.:	Doc. Number:	Scale:	Sheet:	Rev. :
			8581	8581-200-OG-D02-AD	1"/50'	4/5	5



DREDGING AREA : 44074.57 ft²
 OVERDREDGE ALLOWANCE AREA : 2474.29 ft²
 GRUBBING AREA : 358.25 ft²




DREDGING AREA : 34005.19 ft²
 GRUBBING AREA : 190.9 ft²



NOTES :

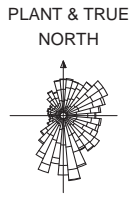
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4	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP				
3	03/14/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP				
2	07/30/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP				
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER			
			VENTURE GLOBAL CALCASIEU PASS, LLC						
			CALCASIEU PASS						
			LNG MARINE TERMINAL DREDGING PROFILES AND SECTIONS						
TR Proj.:	8581	Doc. Number:	8581-200-OG-D02-AD	Scale:	1"/50'	Sheet:	5/5	Rev. :	5

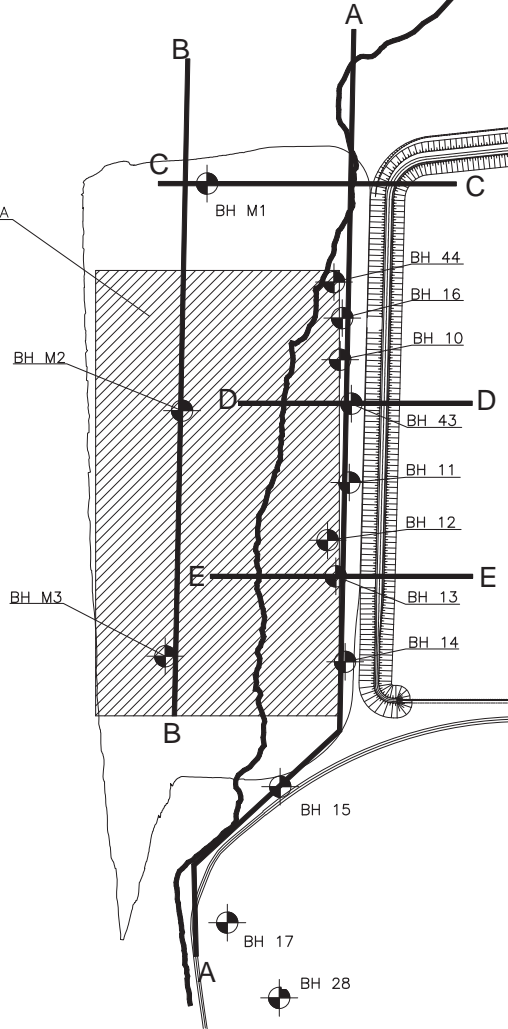
1 2 3 4 5 6 7 8

Calcasieu Pass Terminal




SHORELINE

POTENTIAL AREA WITH SAND

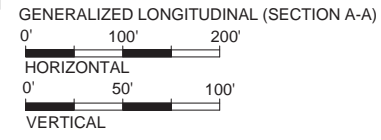
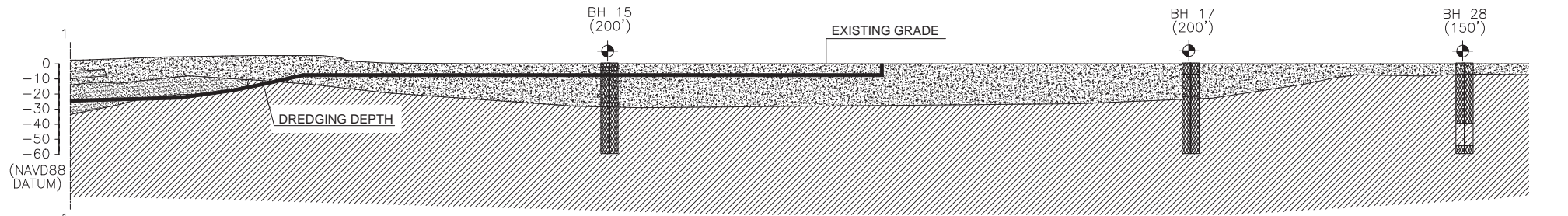
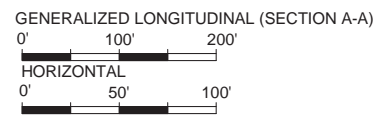
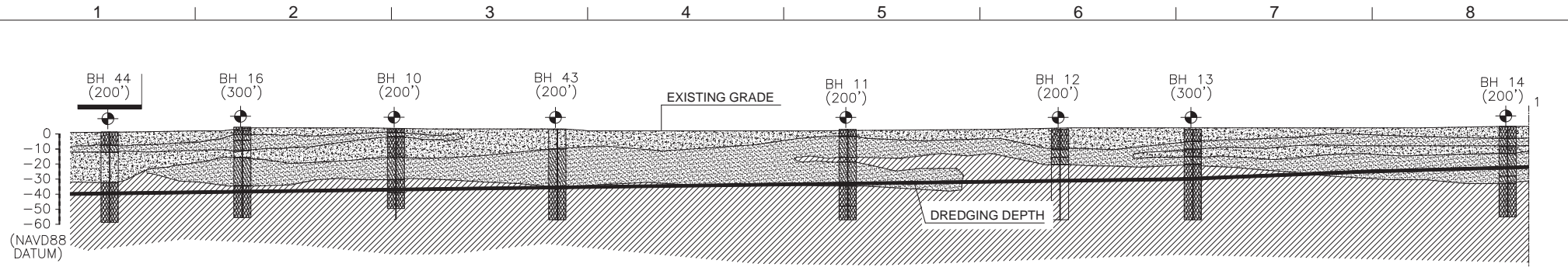


Sheet 17

November 2017

 TECNICAS REUNIDAS	VENTURE GLOBAL CALCASIEU PASS, LLC			
	CALCASIEU PASS			
SAND LOCATION IN DREDGE AREA KEY PLAN				
TR Proj.: 8581	Doc Number: 8581-000-UR-003-A	Size: ANSI B	Scale: 1/5"	Sheet: 6

1 2 3 4 5 6 7 8



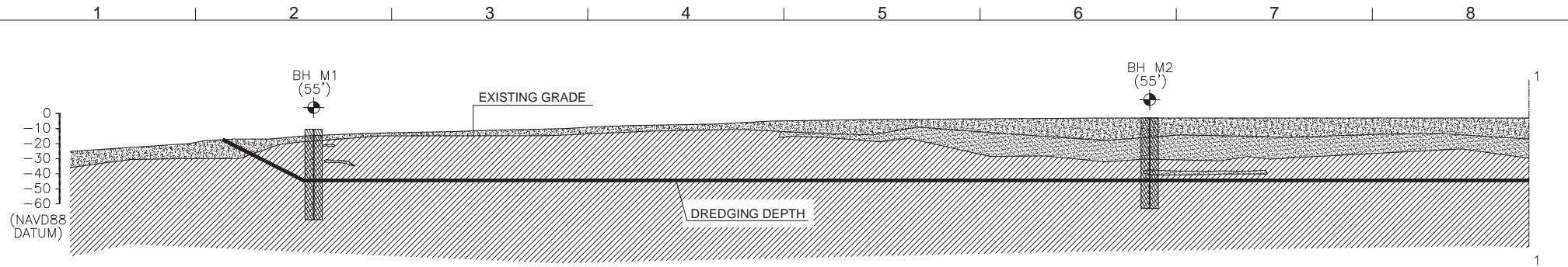
LEGEND

	BH	FUGRO BORE HOLE REF.
	SOFT CLAY	
	SAND	
	STIFF CLAY	

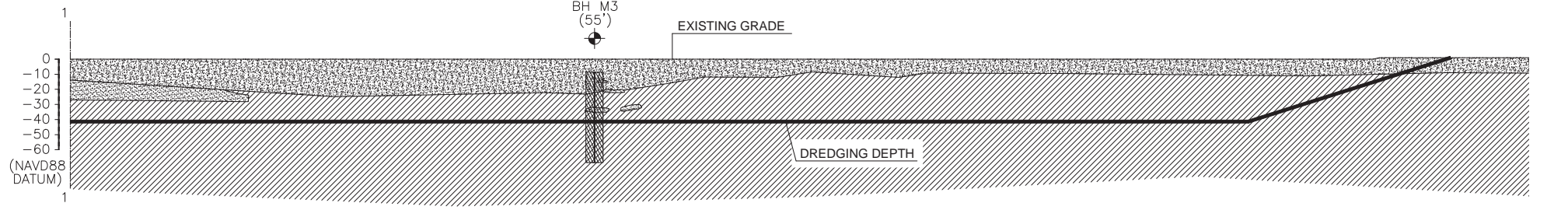
NOTES :

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- 4.- ALL COORDINATES & LENGTH ARE IN FEET.
- 5.- ALL SLOPES ARE 3H/1V UNLESS NOTED OTHERWISE.
- 6.- FOR PERMITTING PURPOSES ONLY NOT FOR CONSTRUCTION.

	VENTURE GLOBAL CALCASIEU PASS, LLC	
	CALCASIEU PASS	
	SAND LOCATION IN DREDGE AREA SECTION A-A	
TR Proj.: 8581	Doc. Number: 8581-000-UR-003-A	Size: ANSI B Scale: 2/5 Sheet: 6 Rev.: 6



GENERALIZED LONGITUDINAL (SECTION B-B)
 0' 100' 200'
 HORIZONTAL
 0' 50' 100'



GENERALIZED LONGITUDINAL (SECTION B-B)
 0' 100' 200'
 HORIZONTAL
 0' 50' 100'
 VERTICAL

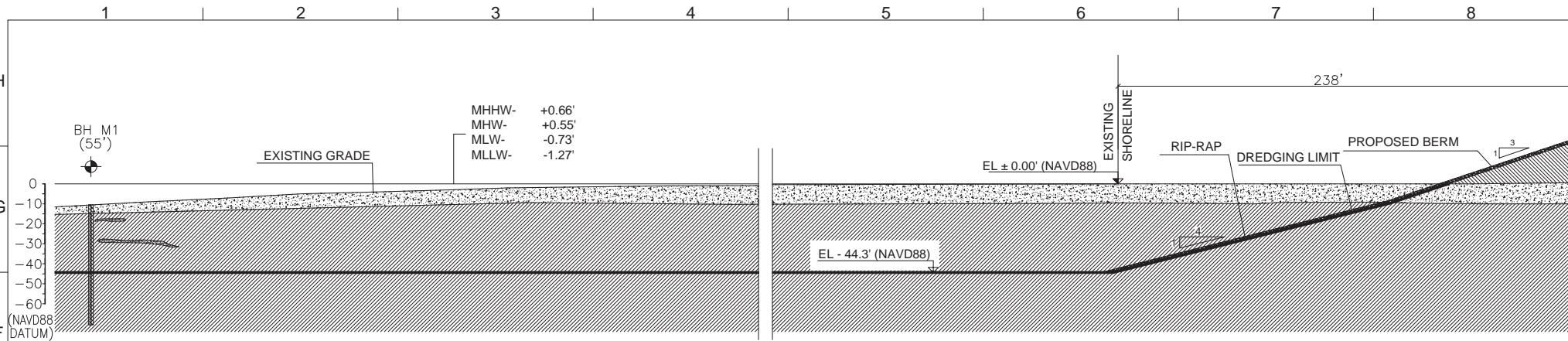
LEGEND

	BH	FUGRO BORE HOLE REF.
	SOFT CLAY	
	SAND	
	STIFF CLAY	

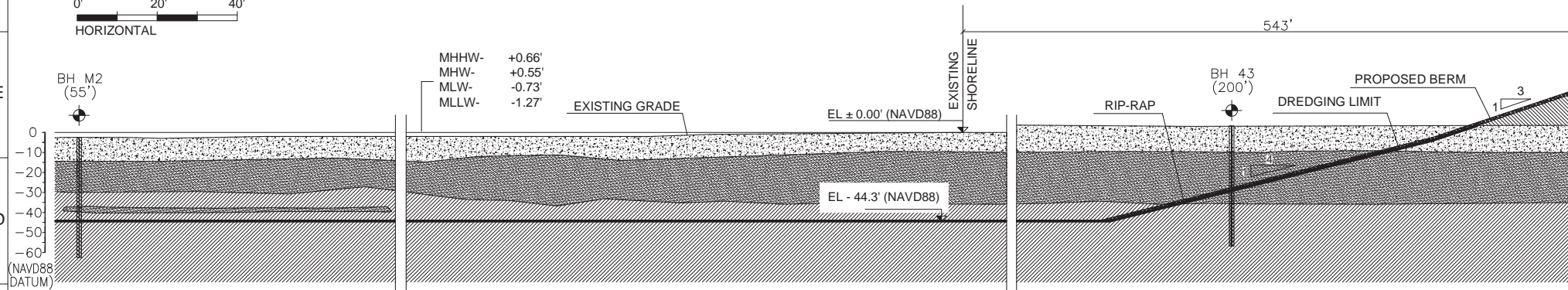
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	VENTURE GLOBAL CALCASIEU PASS, LLC			
	CALCASIEU PASS			
	SAND LOCATION IN DREDGE AREA SECTION B-B			
TR Proj.: 8581	Doc Number: 8581-000-UR-003-A	Size: ANSI B	Scale: 3/5	Sheet: 6



CROSS SECTION C-C
 0' 20' 40'
 HORIZONTAL



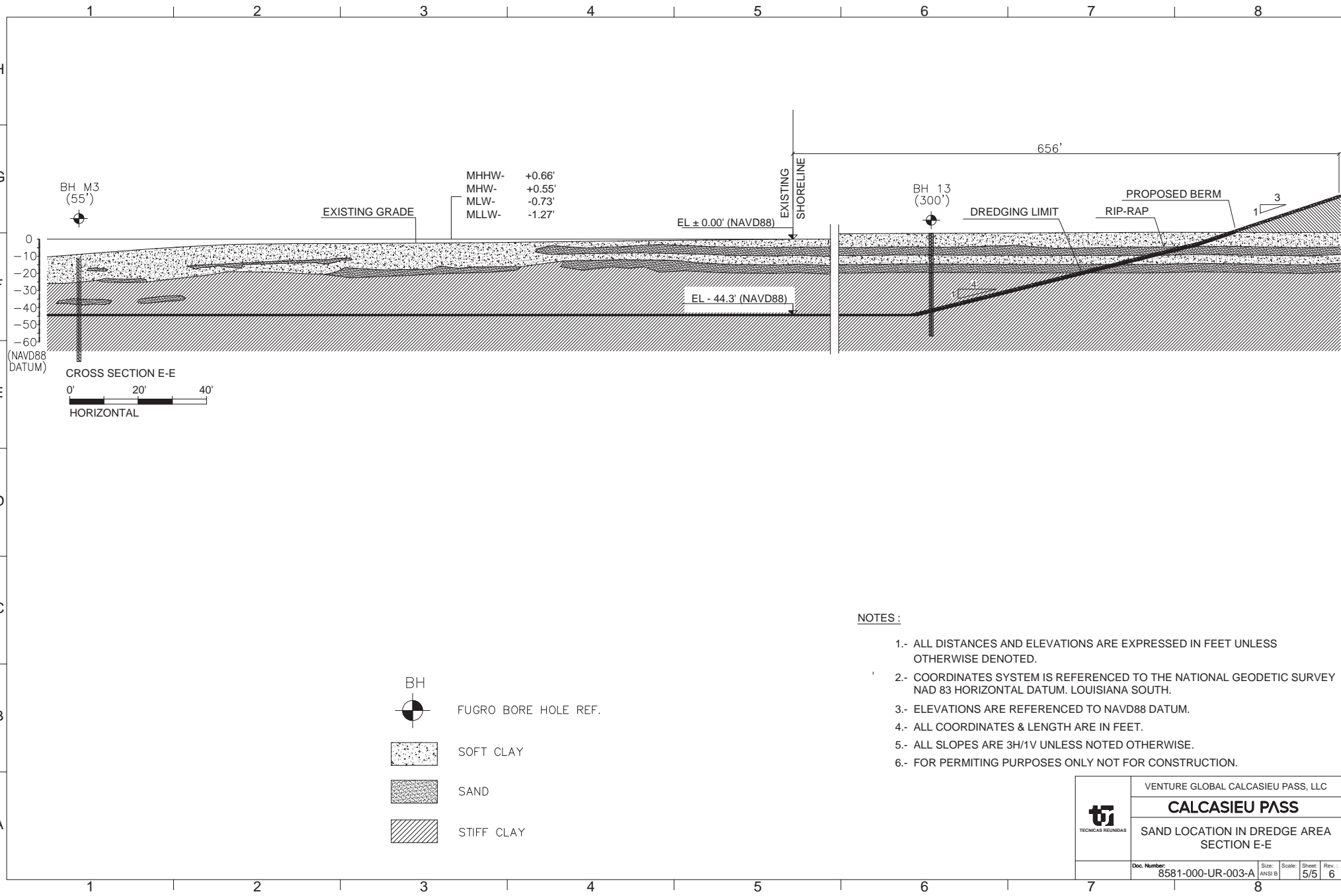
CROSS SECTION D-D
 0' 20' 40'
 HORIZONTAL

- BH FUGRO BORE HOLE REF.
- SOFT CLAY
- SAND
- STIFF CLAY

NOTES :


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	VENTURE GLOBAL CALCASIEU PASS, LLC			
	CALCASIEU PASS			
	SAND LOCATION IN DREDGE AREA SECTION C-C AND D-D			
TR Proj.: 8581	Doc. Number: 8581-000-UR-003-A	Size: ANSI B	Scale: 4/5	Sheet: 6





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BH
 FUGRO BORE HOLE REF.

 SOFT CLAY

 SAND

 STIFF CLAY

	VENTURE GLOBAL CALCASIEU PASS, LLC					
	CALCASIEU PASS					
SAND LOCATION IN DREDGE AREA SECTION E-E						
Doc. Number:	8581-000-UR-003-A	Size:	ANSI B	Scale:	Sheet:	Rev.:
					5/5	6

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8



LEND:
 SOUTHERN PROTECTION
 WESTERN PROTECTION

REFERENCE POINTS. COORDINATES

SECTION	X ft	Y ft
W1	2644454'-1,97"	469913'-5,87"
W2	2644209'-7,73"	469645'-2,32"
W3	2643982'-7,67"	469872'-2,77"
W4	2644158'-4,83"	467597'-5,11"
W5	2644152'-10,74"	467268'-4,52"
W6	2643242'-4,29"	466689'-5,66"
W7	2644409'-2,64"	467180'-6,07"

REVTMENT LENGTH

SECTION	LENGTH (FT)
W1-W2	332'-0,00"
W2-W3	216'-4,70"
W2-W4	2048'-0,00"
W4-W5	330'-0,00"
W5-W6	1222'-9,50"
W5-W7	296'-2,63"

FOR PERMITTING PURPOSES ONLY
 NOT FOR CONSTRUCTION



- NOTES :**
1. ALL DISTANCES AND ELEVATIONS ARE EXPRESSED IN FEET UNLESS OTHERWISE NOTED.
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 3. DEPTHS REFERENCED TO NAVD88 (2009.55) Datum Relationships for gage 73650as for December 2013: 0.0' NAVD88 (2009.55) = 1.3' MLLW = 2.3' MLG or 0.0' MLLW = 1.0' MLG

5	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	JRR	
4	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	JRR	
3	06/30/18	ISSUED FOR PERMITTING	CRJ	MAGV	JRR	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

VENTURE GLOBAL CALCASIEU PASS, LLC

CALCASIEU PASS

RIVER SLOPE PROTECTION PLAN


TR Proj.: 8581	Doc. Number: 8581-200-OG-R01-AB	Scale: 1"=600'	Sheet: 1/1	Rev.: 5
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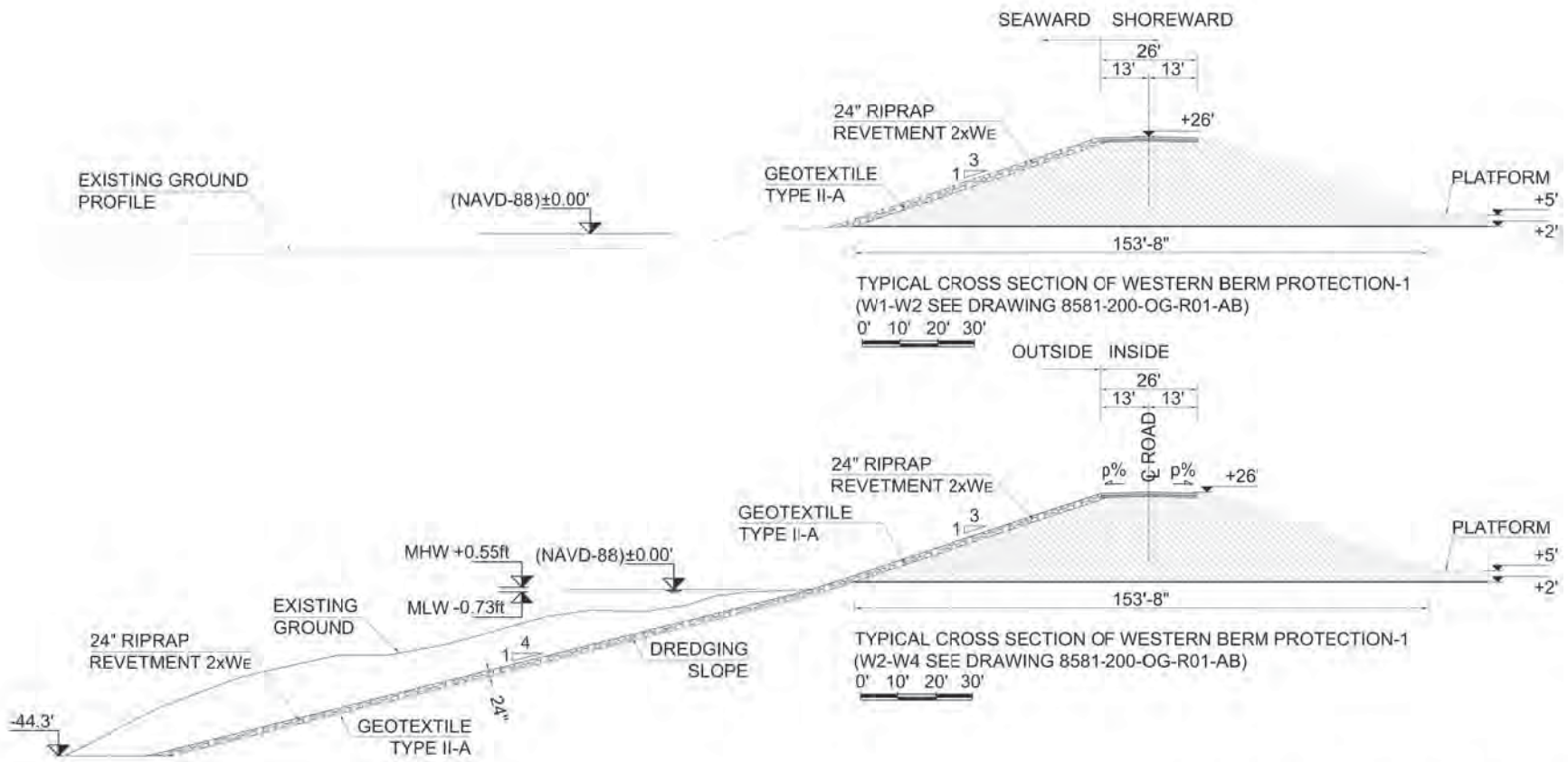
RIVER SLOPE PROTECTION PLAN & SECTIONS

INDEX

DRAWING	DESCRIPTION
8581-200-OG-R01-AB -H01	RIVER SLOPE PROTECTION PLAN. SECTIONS. INDEX
8581-200-OG-R01-AB -H02	RIVER SLOPE PROTECTION PLAN. SECTIONS
8581-200-OG-R01-AB -H03	RIVER SLOPE PROTECTION PLAN. SECTIONS

FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

3	10/20/17	ISSUED FOR PERMITTING	AMG	MAGV	JRR	
2	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	JRR	
1	06/30/16	ISSUED FOR PERMITTING	CRJ	MAGV	JRR	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
 TECNICAS REUNIDAS		VENTURE GLOBAL CALCASIEU PASS, LLC				
		CALCASIEU PASS				
		RIVER SLOPE PROTECTION PLAN SECTIONS				
TR Proj.:	Doc. Number:	Scale:	Sheet:	Rev.:		
8581	8581-200-OG-R02-AB	-	1/3	3		




1. WEIGHT $W = 2.2 \text{ Ton}$
 $W = 70 \text{ lb}$

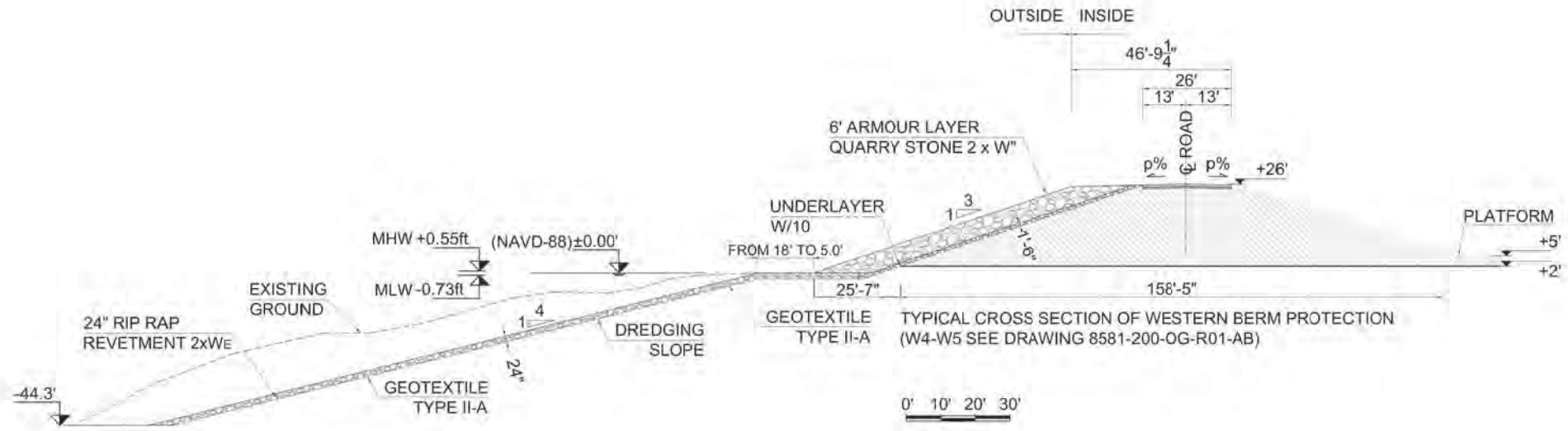
2. GEOTEXTILE TYPE II-A 500/350 (FP-03 U.S.CUSTOMARY UNITS SECTION 714 TABLE 714-2)

NOTES :

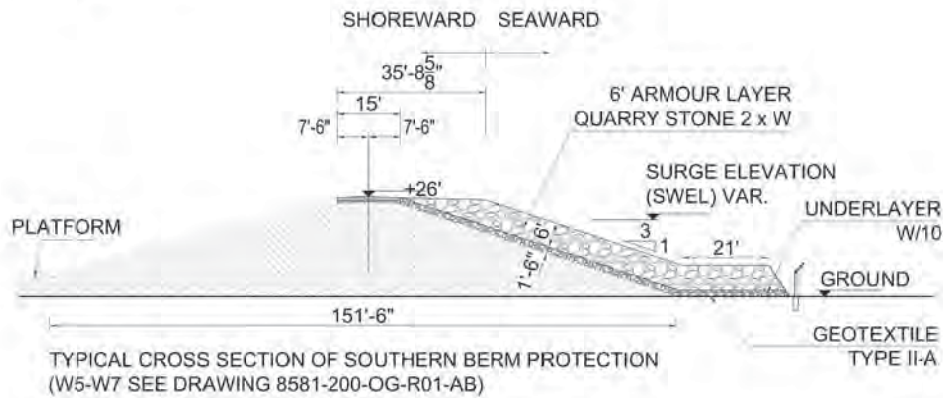
1. ALL DISTANCES AND ELEVATIONS ARE EXPRESSED IN FEET UNLESS OTHERWISE NOTED.
2. COORDINATE SYSTEM IS REFERENCED TO THE NATIONAL GEODETIC SURVEY NAD 83 HORIZONTAL DATUM, LOUISIANA SOUTH.
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FOR PERMITTING PURPOSES ONLY
 NOT FOR CONSTRUCTION

3	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	JRR				
2	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	JRR				
1	06/30/16	ISSUED FOR PERMITTING	CRJ	MAGV	JRR				
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER			
 VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS RIVER SLOPE PROTECTION PLAN SECTIONS									
TR Proj.:	8581	Doc. Number:	8581-200-OG-R02-AB	Scale:	1"/30'	Sheet:	2/3	Rev.:	3



0' 10' 20' 30'



0' 10' 20' 30'

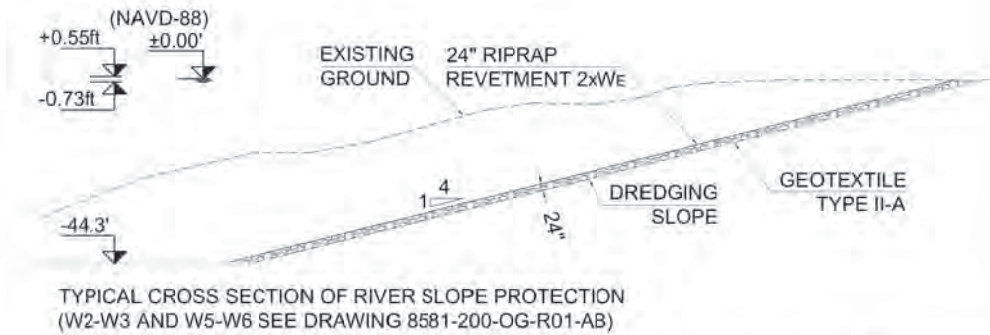
1. WEIGHT $W = 2.2$ Ton
 $W_e = 70$ lb

2. GEOTEXTILE TYPE II-A 500/350 (FP-03 U.S. CUSTOMARY UNITS SECTION 714 TABLE 714-2)

FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

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0' 10' 20' 30'

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2	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	JRR	
1	06/30/16	ISSUED FOR PERMITTING	CRJ	MAGV	JRR	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

VENTURE GLOBAL CALCASIEU PASS, LLC

CALCASIEU PASS

RIVER SLOPE PROTECTION PLAN
SECTIONS


TR Proj.: 8581	Doc. Number: 8581-200-OG-R02-AB	Scale: 1\"/>
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OVERALL PLAN GENERAL ARRANGEMENT LAYOUT	
INDEX	
DRAWING	DESCRIPTION
8581-200-OX-002-AD -H01	OVERALL PLAN. GENERAL ARRANGEMENT LAYOUT. INDEX
8581-200-OX-002-AD -H02	OVERALL PLAN. GENERAL ARRANGEMENT LAYOUT.
8581-200-OX-002-AD -H03	OVERALL PLAN. GENERAL ARRANGEMENT LAYOUT.
8581-200-OX-002-AD -H04	OVERALL PLAN. GENERAL ARRANGEMENT LAYOUT.

NOTES:

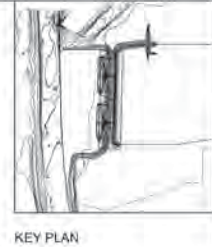
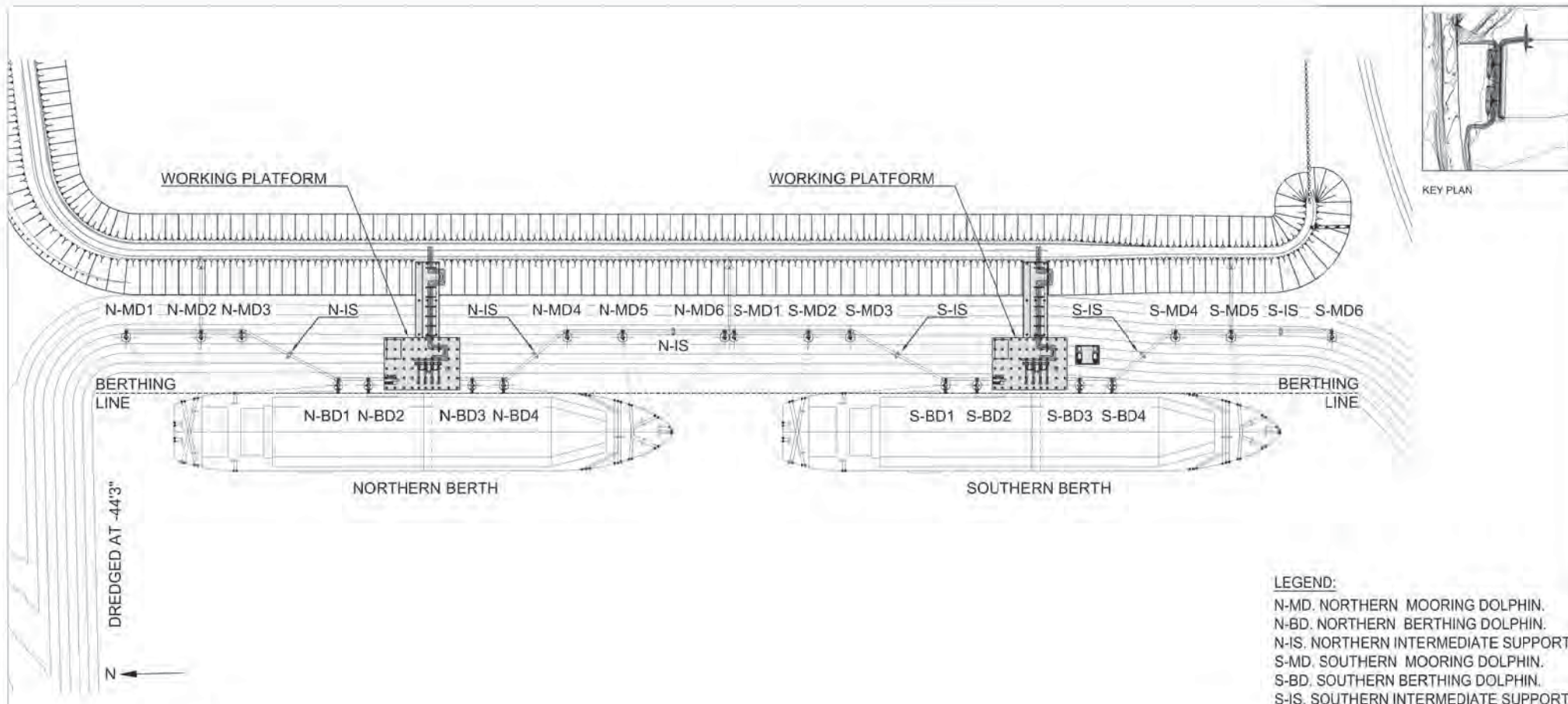
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8.	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
7.	08/30/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
6.	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
5.	08/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

	VENTURE GLOBAL CALCASIEU PASS, LLC
	CALCASIEU PASS
	OVERALL PLAN GENERAL ARRANGEMENT LAYOUT INDEX

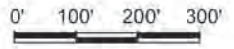
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NOT FOR CONSTRUCTION



KEY PLAN

LEGEND:
 N-MD. NORTHERN MOORING DOLPHIN.
 N-BD. NORTHERN BERTHING DOLPHIN.
 N-IS. NORTHERN INTERMEDIATE SUPPORT
 S-MD. SOUTHERN MOORING DOLPHIN.
 S-BD. SOUTHERN BERTHING DOLPHIN.
 S-IS. SOUTHERN INTERMEDIATE SUPPORT



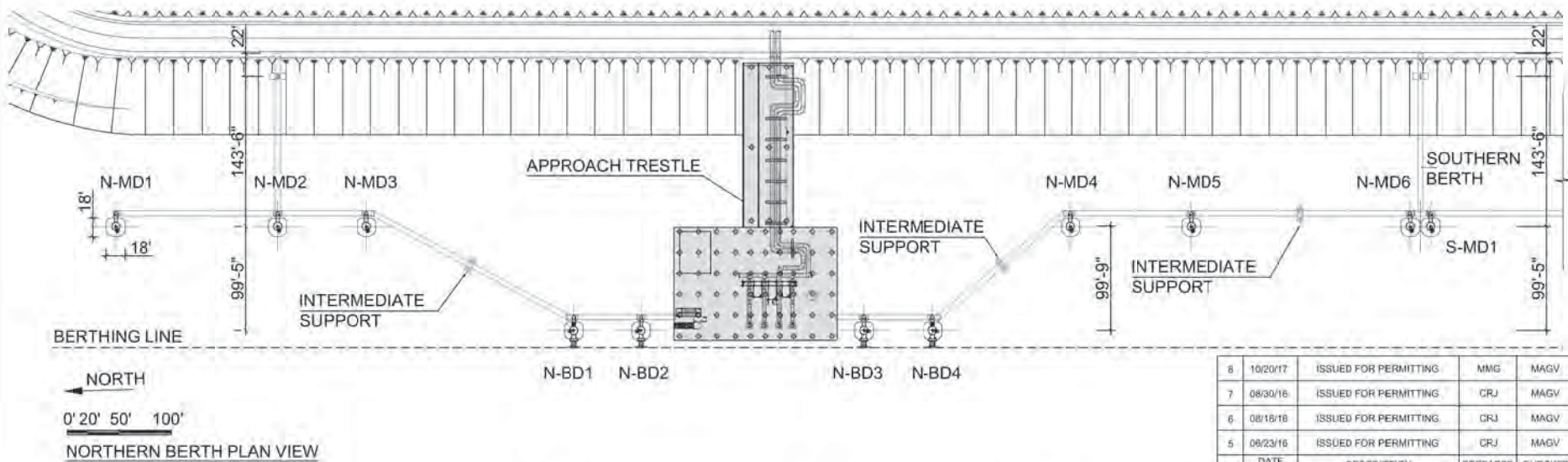
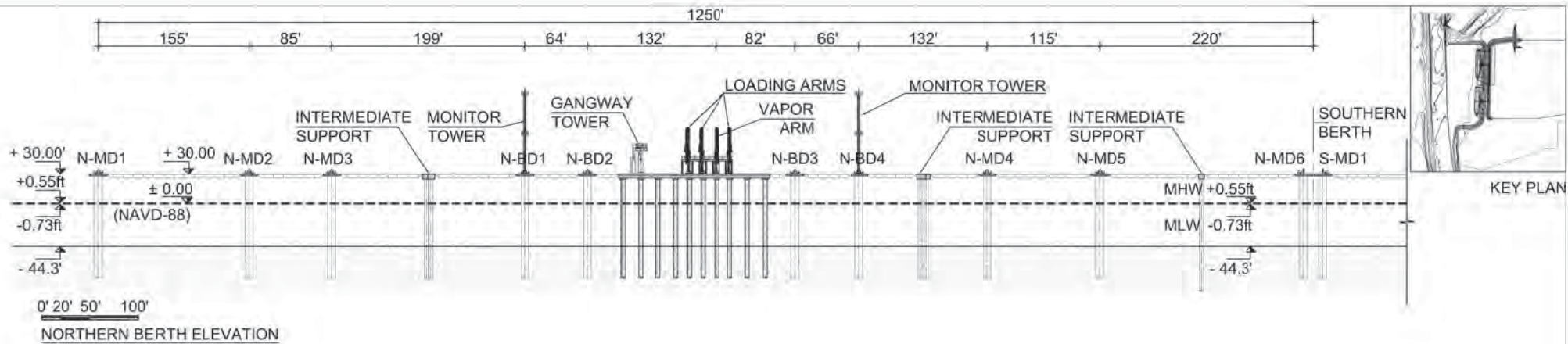
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6	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
5	06/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
			VENTURE GLOBAL CALCASIEU PASS, LLC			
			CALCASIEU PASS			
			OVERALL PLAN GENERAL ARRANGEMENT LAYOUT			
TR Proj.:	Doc. Number:	Scale:	Sheet:	Rev.:		
8581	8581-200-OX-002-AD	1"/100'	2/4	8		




TECHICAS REUNIDAS

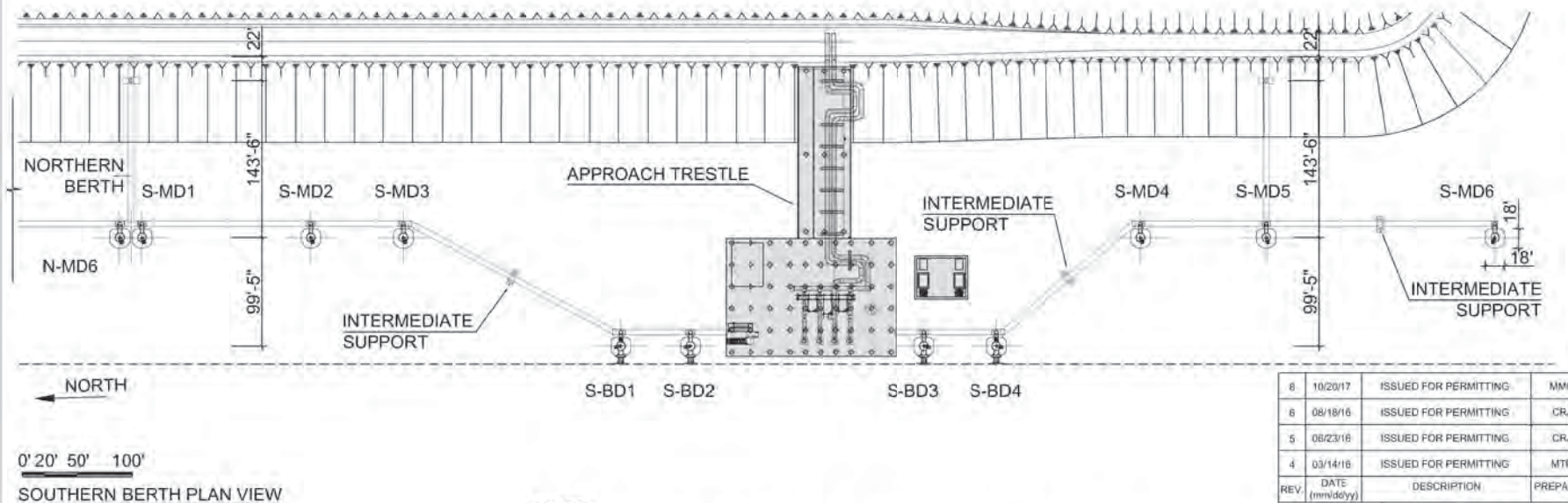
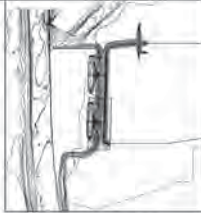
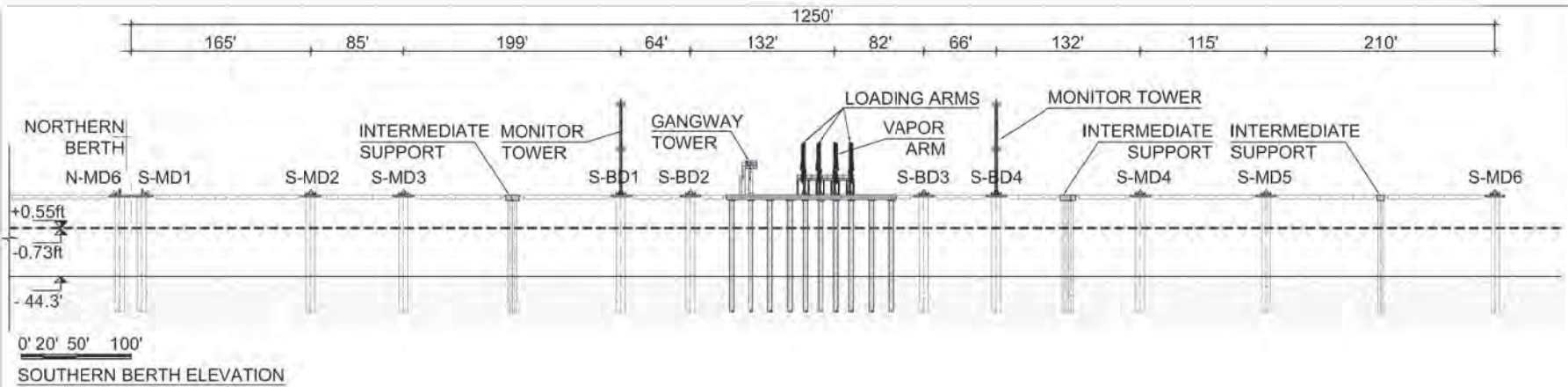


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5	06/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
			VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS OVERALL PLAN GENERAL ARRANGEMENT LAYOUT			
TR Proj.:	Doc. Number:	Scale:	Sheet:	Rev.:		
8581	8581-200-OX-002-AD	1"/50'	3/4	8		



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5	08/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
4	03/14/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

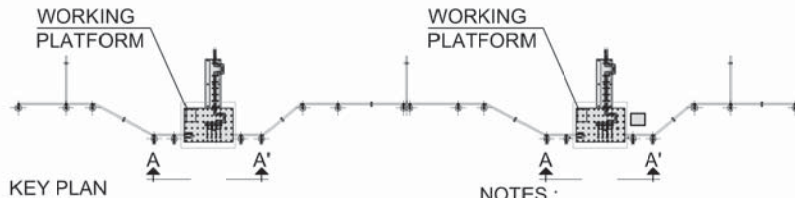
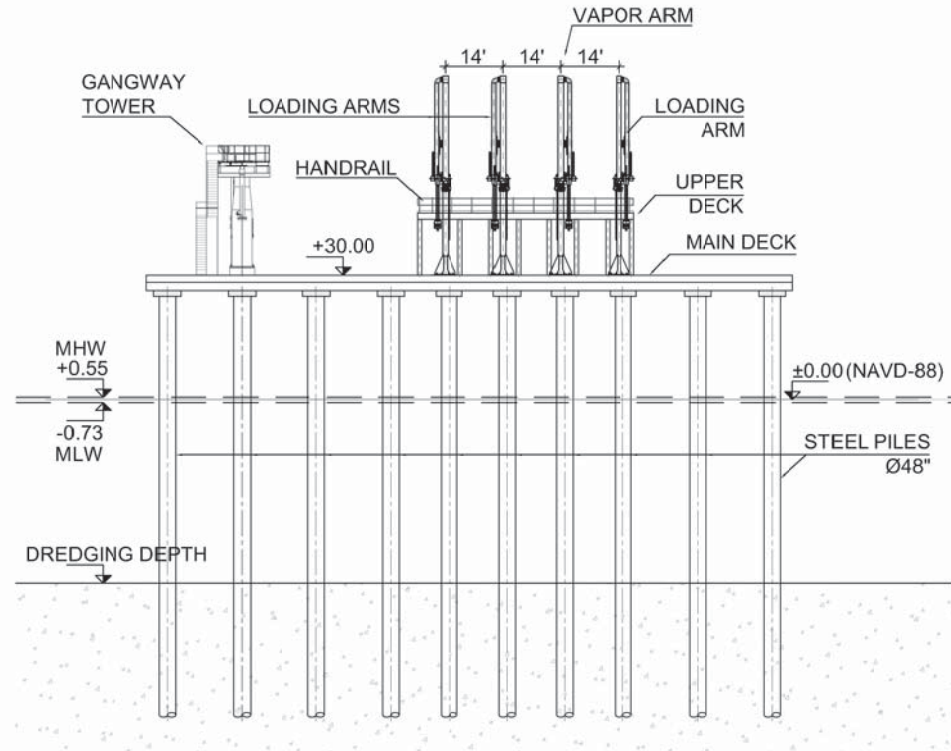
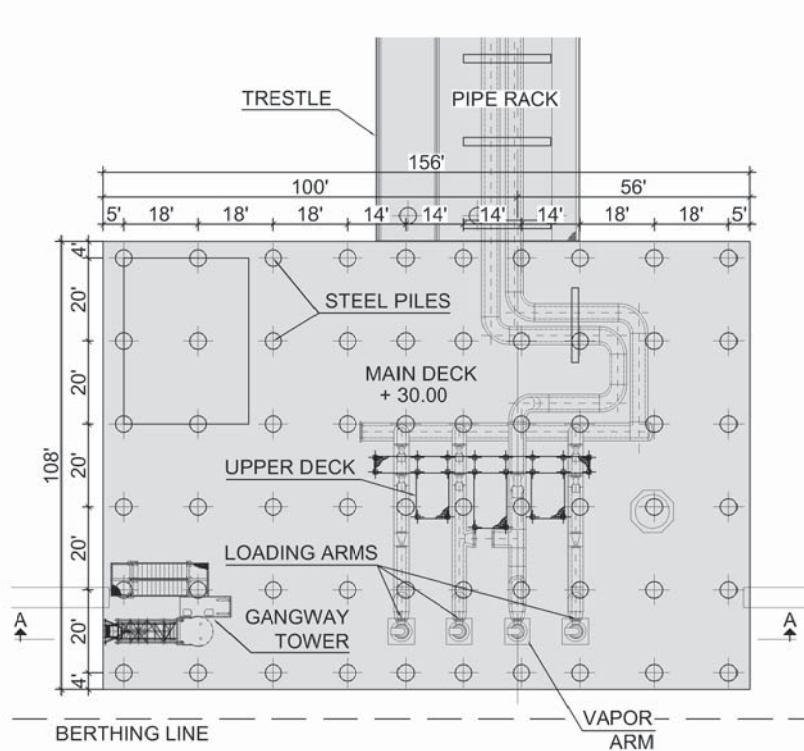
VENTURE GLOBAL CALCASIEU PASS, LLC

CALCASIEU PASS

OVERALL PLAN
GENERAL ARRANGEMENT LAYOUT

TR Proj.: 8581 Doc. Number: 8581-200-OX-002-AD Scale: 1"=50' Sheet: 4/4 Rev.: 8





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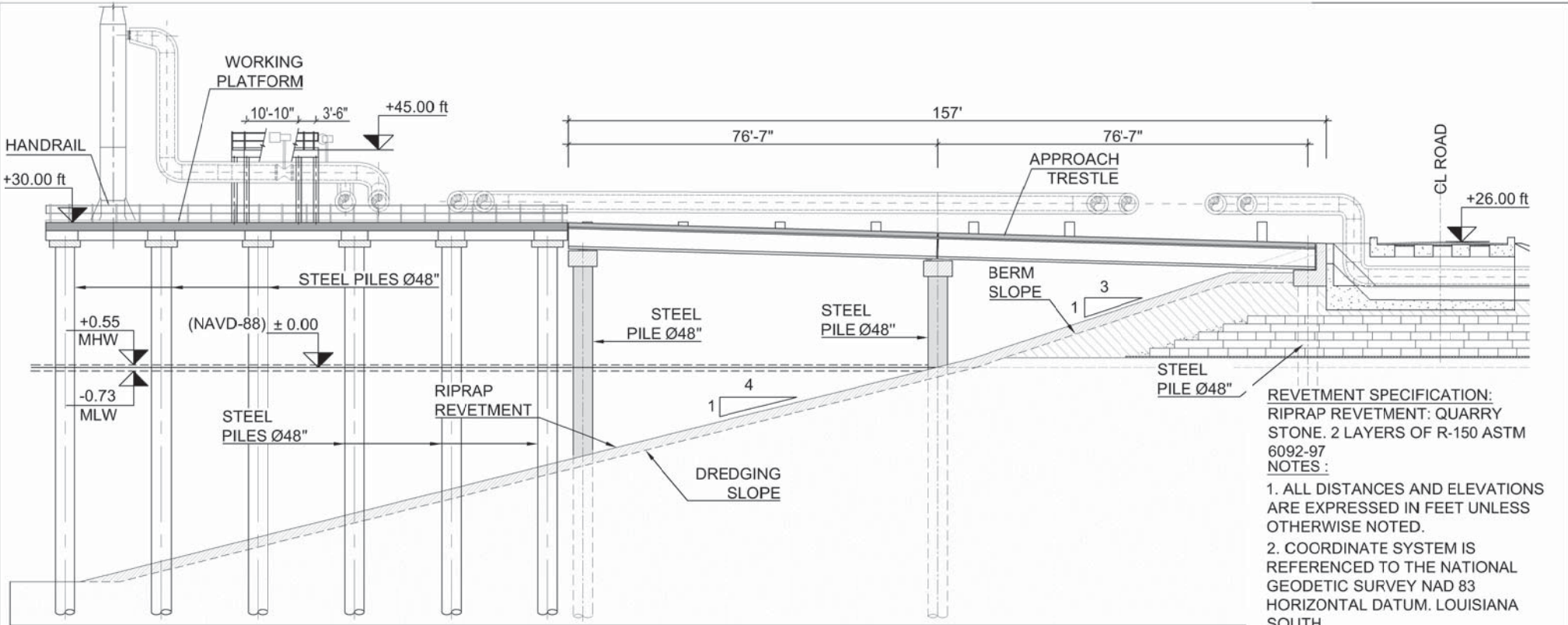
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4	08/18/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
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2	07/24/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

VENTURE GLOBAL CALCASIEU PASS, LLC

CALCASIEU PASS

WORKING PLATFORM
NORTHERN AND SOUTHERN BERTHS

TR Proj.: 8581 | Doc. Number: 8581-200-OE-P01-AD | Scale: 1"/15' | Sheet: 1/1 | Rev.: 5

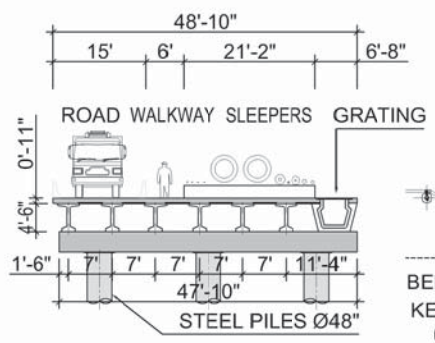


TYPICAL LONGITUDINAL SECTION A-A'
0' 5' 10' 15'

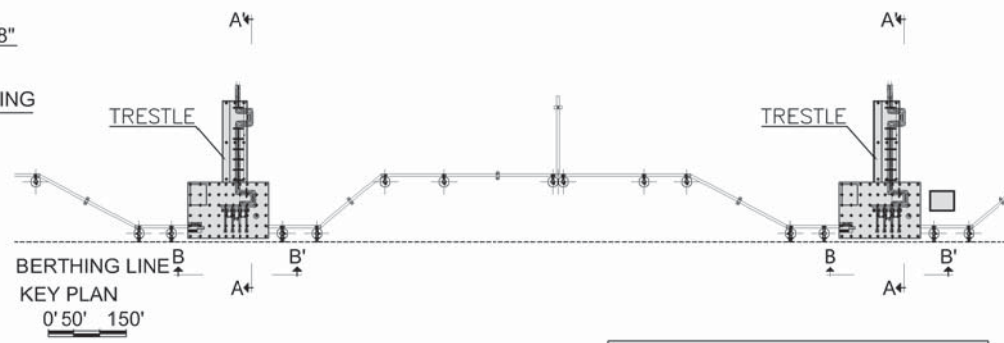
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RIPRAP REVETMENT: QUARRY STONE. 2 LAYERS OF R-150 ASTM 6092-97

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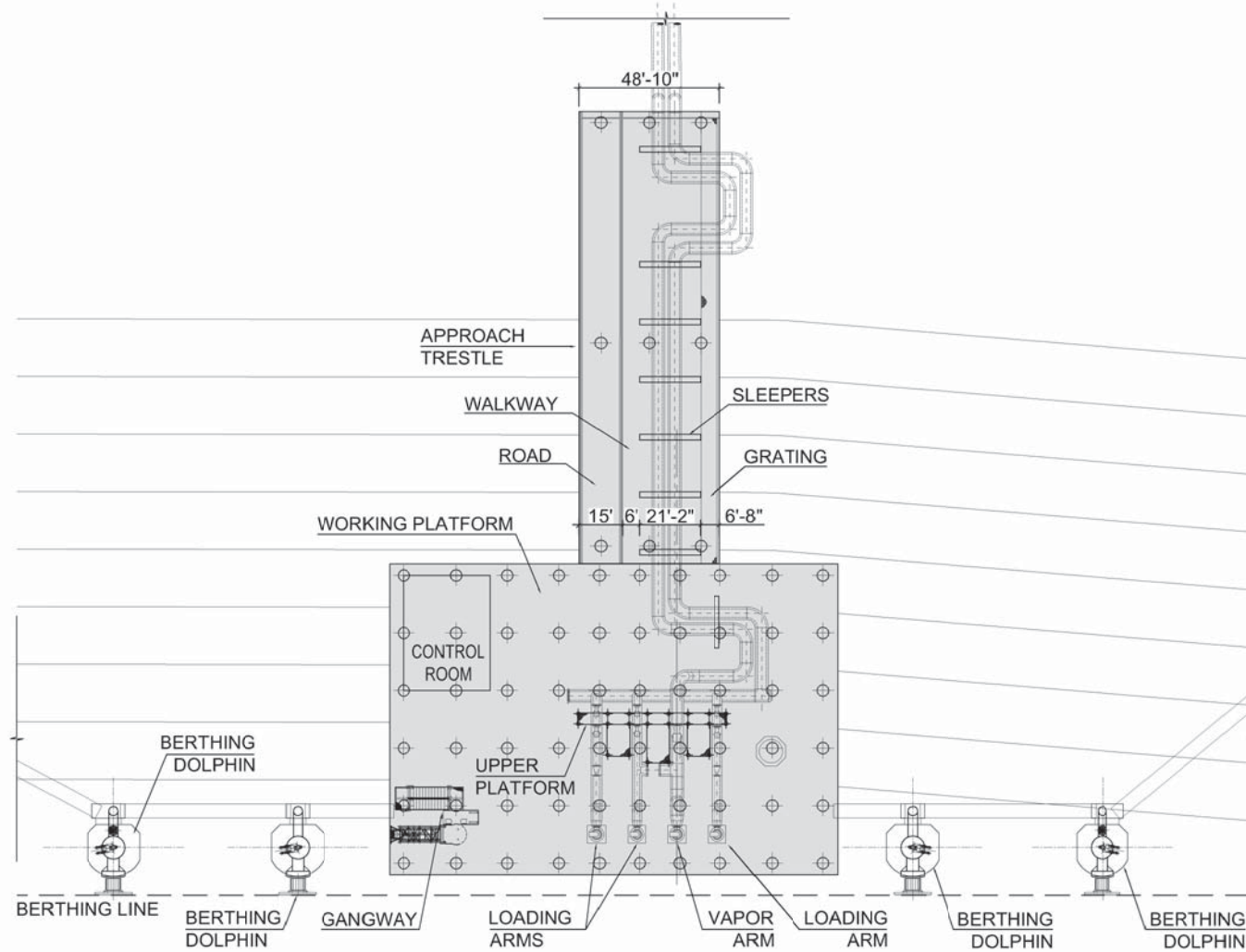
TYPICAL CROSS SECTION B-B'
0' 5' 10' 15'



KEY PLAN
0' 50' 150'


FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

6	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
5	08/18/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
4	03/14/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
3	07/30/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
 VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS APPROACH TRESTLE NORTHERN AND SOUTHERN BERTHS						
TR Proj.:	8581	Doc. Number:	8581-200-OE-T01-AD	Scale:	1"/10'	Sheet: 1/2
						Rev.: 6



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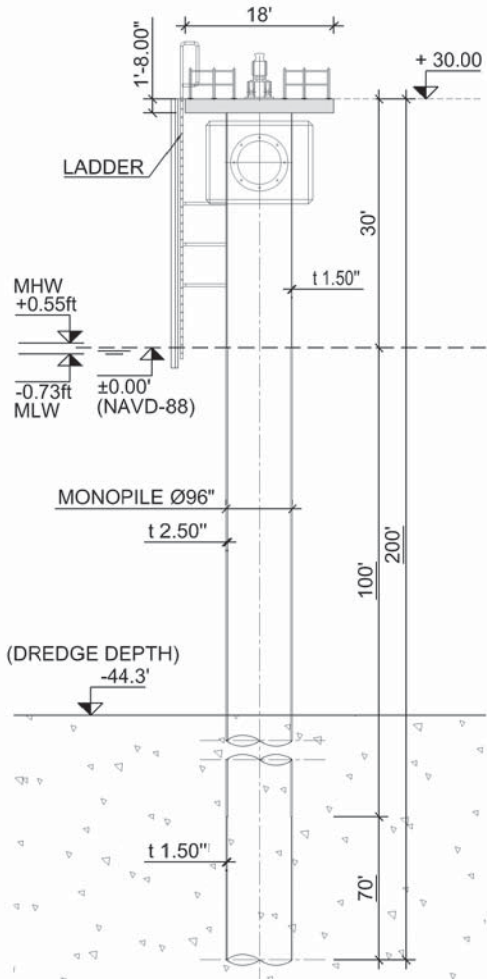
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5	08/18/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
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3	07/30/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

	VENTURE GLOBAL CALCASIEU PASS, LLC				
	CALCASIEU PASS				
	APPROACH TRESTLE NORTHERN AND SOUTHERN BERTHS				

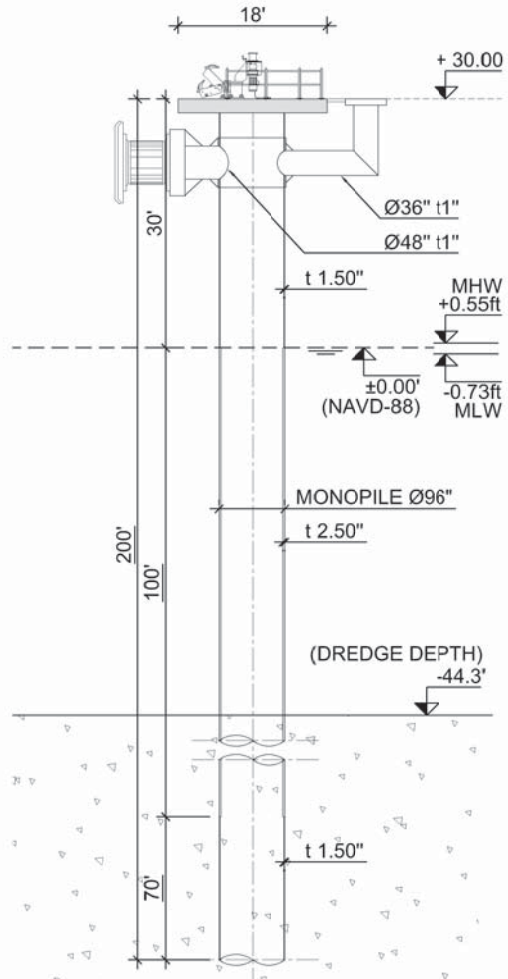
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PLAN VIEW. APPROACH TRESTLE
0' 10' 20' 30'

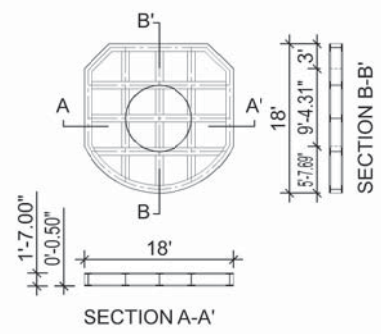
FOR PERMITTING PURPOSES ONLY
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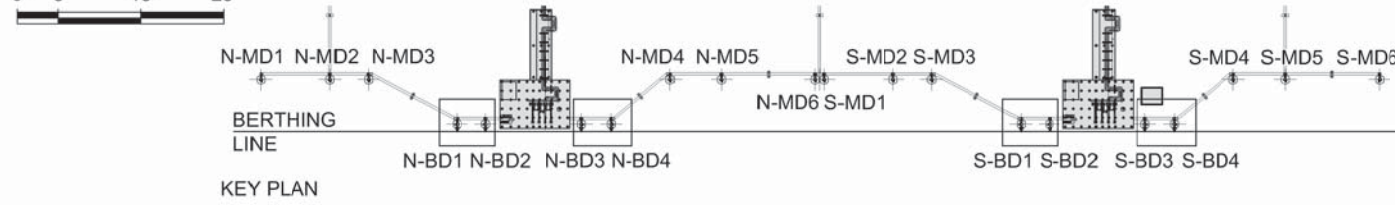
BERTHING DOLPHIN. FRONT VIEW A-A
0' 5' 15' 25'



BERTHING DOLPHIN. SIDE VIEW B-B



BERTHING DOLPHIN. PLATFORM
0' 5' 15' 25'



KEY PLAN


FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

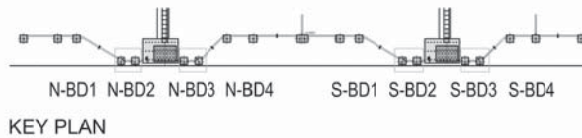
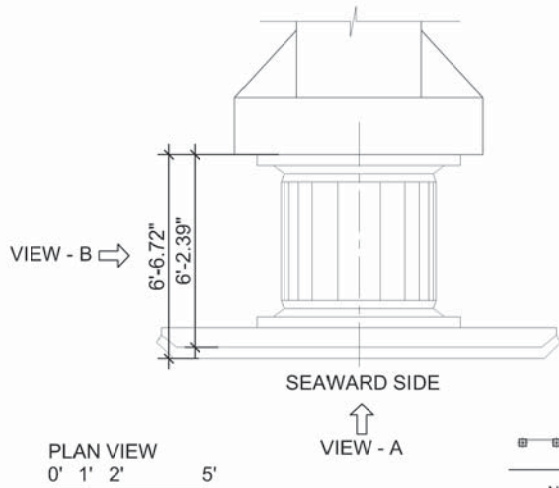
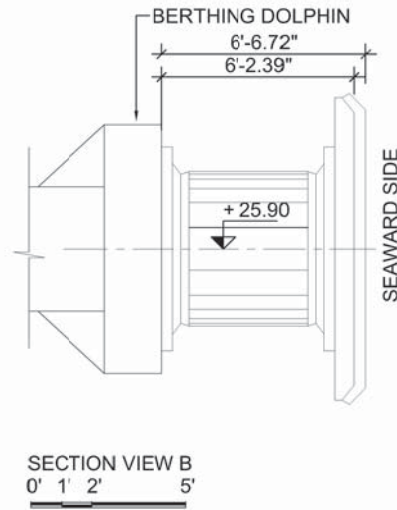
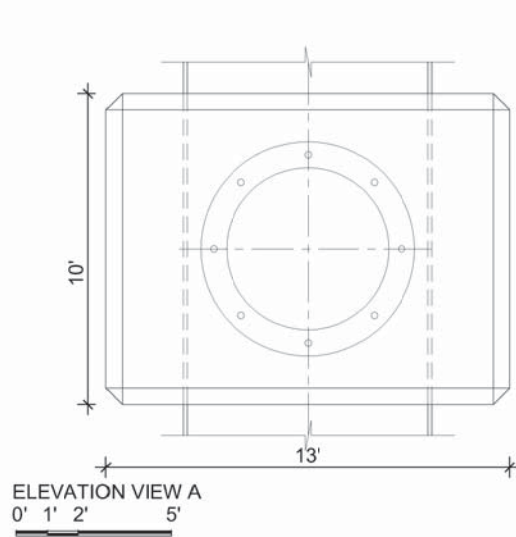
LEGEND:

- N-MD. NORTHERN MOORING DOLPHIN.
- N-BD. NORTHERN BERTHING DOLPHIN.
- S-MD. SOUTHERN MOORING DOLPHIN.
- S-BD. SOUTHERN BERTHING DOLPHIN.

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REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
 VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS BERTHING DOLPHINS NORTHERN AND SOUTHERN BERTHS						
TR Proj.:	8581	Doc. Number:	8581-200-OE-B01-AB	Scale:	1"=15'	Sheet: 1/1 Rev.: 6

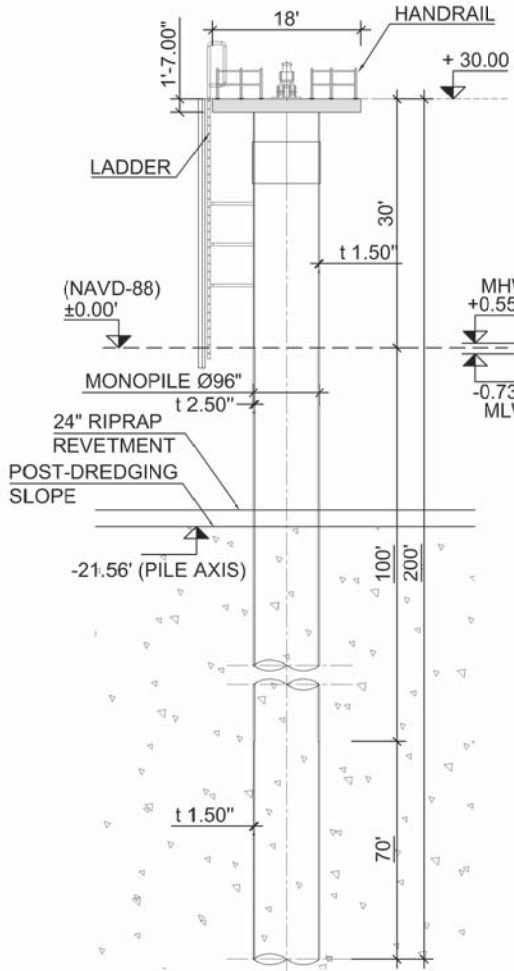


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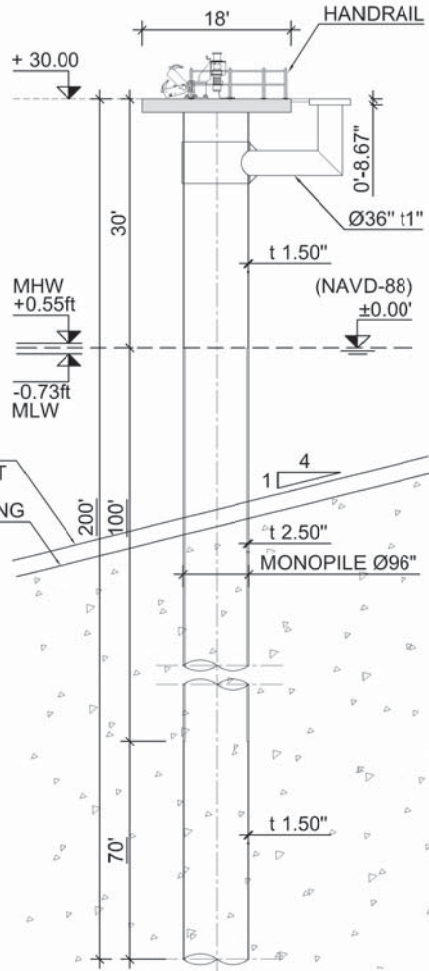
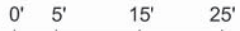
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3	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
2	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
1	03/14/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
0	06/23/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
			VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS FENDERS NORTHERN AND SOUTHERN BERTHS			
TR Proj.:	Doc. Number:	Scale:	Sheet:	Rev. :		
8581	8581-200-OM-002-AD	1/2"=1'	1/1	3		

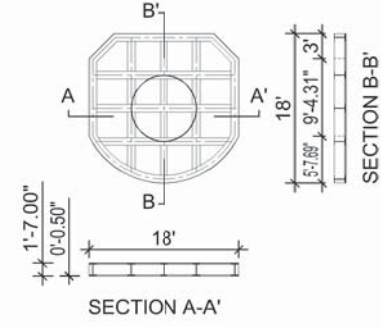
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MOORING DOLPHIN. FRONT VIEW A-A



MOORING DOLPHIN. SIDE VIEW B-B



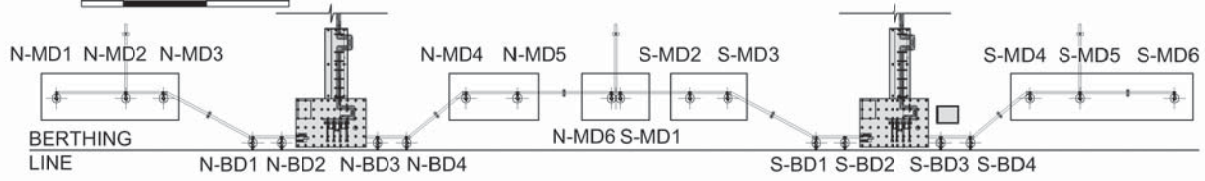
MOORING DOLPHIN. PLATFORM




LEGEND:
 N-MD. NORTHERN MOORING DOLPHIN.
 N-BD. NORTHERN BERTHING DOLPHIN.
 S-MD. SOUTHERN MOORING DOLPHIN.
 S-BD. SOUTHERN BERTHING DOLPHIN.

NOTES :
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 3. DEPTHS REFERENCED TO NAVD88 (2009.55) Datum Relationships for gage 73650as for December 2013: 0.0' NAVD88 (2009.55) = 1.3'MLLW = 2.3 MLG or 0.0' MLLW = 1.0' MLG

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KEY PLAN


5	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
4	08/18/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
3	03/14/16	ISSUED FOR PERMITTING	MTR	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
 VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS MOORING DOLPHINS NORTHERN AND SOUTHERN BERTHS						
TR Proj.:	8581	Doc. Number:	8581-200-OE-M01-AB	Scale:	1"=15'	Sheet: 1/1 Rev. : 5

WALKWAYS NORTHERN AND SOUTHERN BERTHS	
INDEX	
DRAWING	DESCRIPTION
8581-200-OE-W01-AD -H01	WALKWAYS. NORTHERN AND SOUTHERN BERTHS . INDEX
8581-200-OE-W01-AD -H02	WALKWAYS. NORTHERN AND SOUTHERN BERTHS
8581-200-OE-W01-AD -H03	WALKWAYS. NORTHERN AND SOUTHERN BERTHS

NOTES :

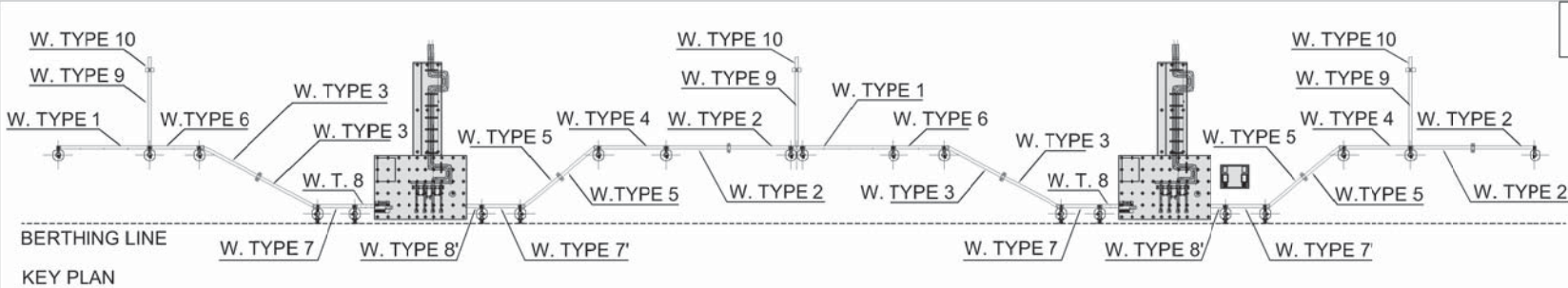
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5	08/18/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
4	03/14/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
3	07/30/15	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

 <p>TECNICAS REUNIDAS</p>	VENTURE GLOBAL CALCASIEU PASS, LLC
	CALCASIEU PASS
	WALKWAYS NORTHERN AND SOUTHERN BERTHS INDEX

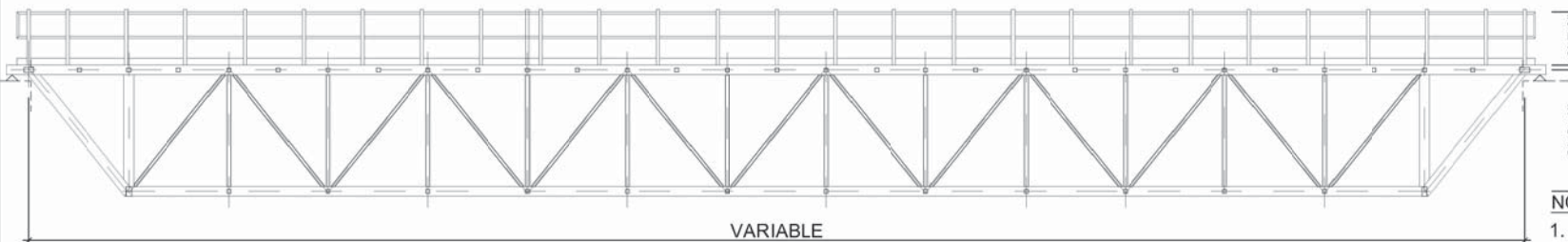
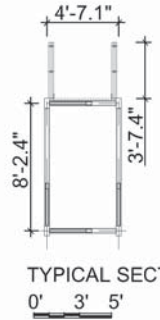
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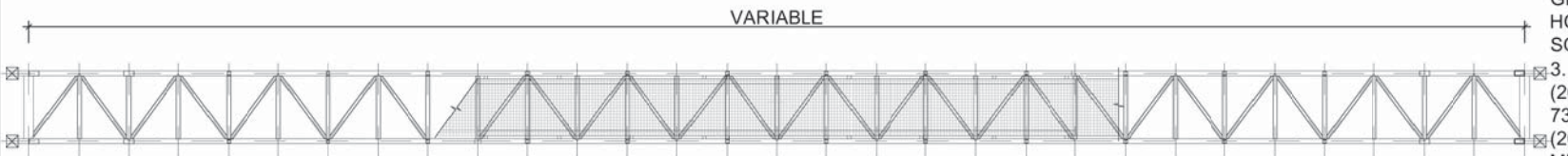


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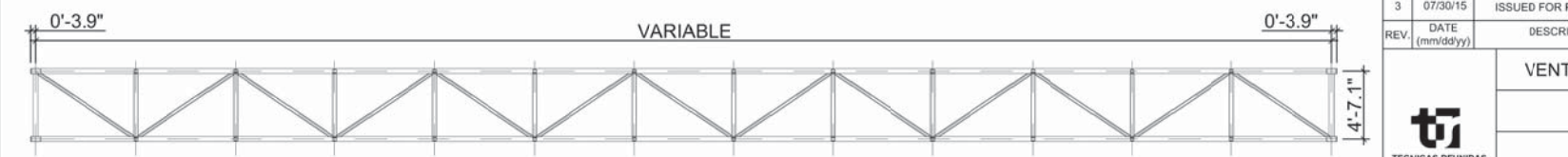
LEGEND:
W. TYPE - WALKWAY TYPE.
FOR DIFFERENT LENGTHS SEE SHEET 3.



TYPICAL ELEVATION
0' 3' 5'




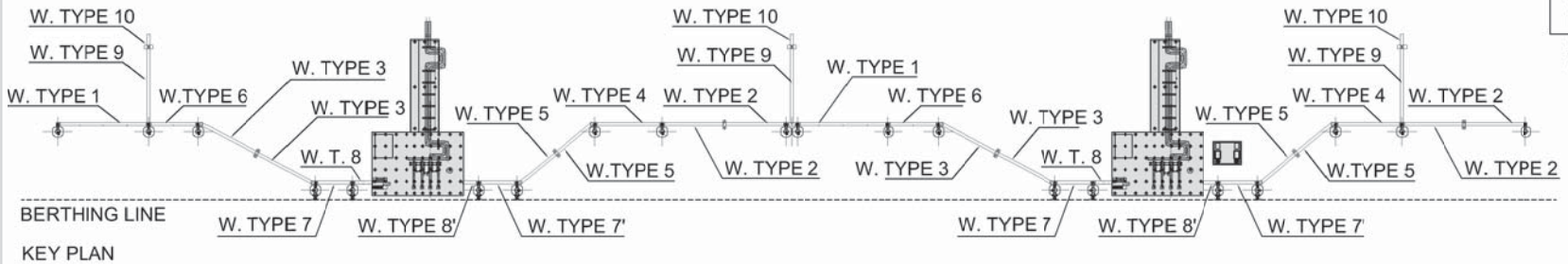
TYPICAL UPPER PLAN
0' 3' 5'



TYPICAL LOWER PLAN
0' 3' 5'

- NOTES:**
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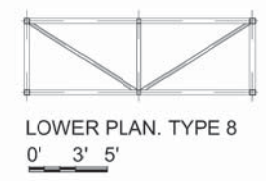
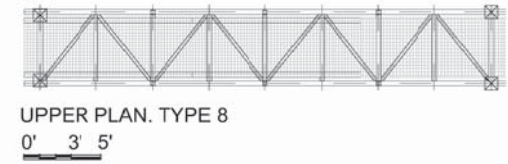
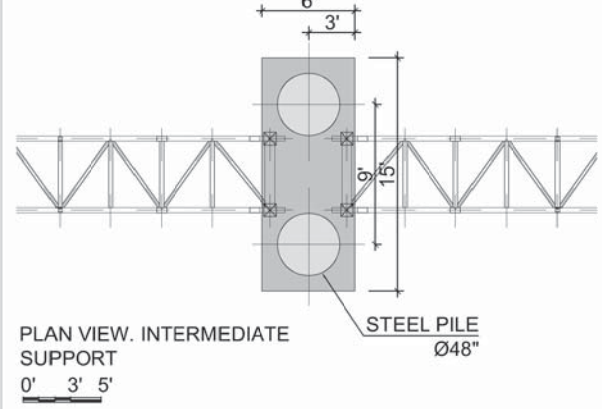
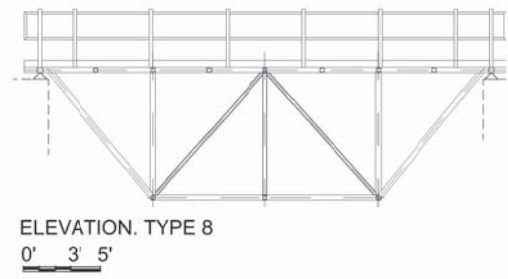
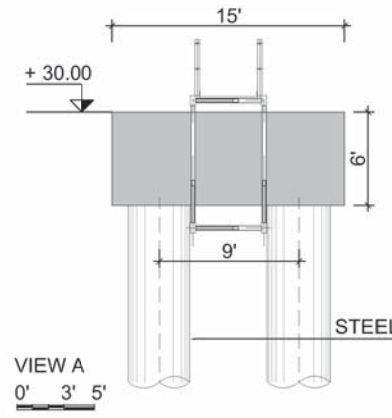
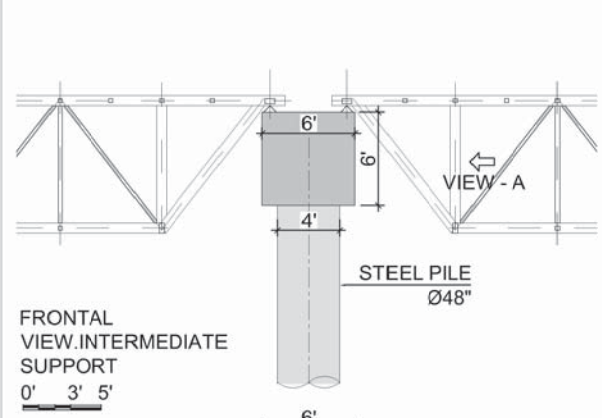
6	10/20/17	ISSUED FOR PERMITTING	MMG	MAGV	MNP	
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4	03/14/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
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REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
			VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS WALKWAYS NORTHERN AND SOUTHERN BERTHS			
TR Proj.:	8581	Doc. Number:	8581-200-OE-W01-AD	Scale:	1"=4'	Sheet: 2/3
						Rev.: 6




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LEGEND:
W. TYPE - WALKWAY TYPE.

WALKWAYS LENGTH	
TYPE 1	150'-0.1"
TYPE 2	101'-0.1"
TYPE 3	105'-4.6"
TYPE 4	110'-0.1"
TYPE 5	78'-2.68"
TYPE 6	80'-0.1"
TYPE 7	59'-0.1"
TYPE 7'	61'-0.1"
TYPE 8	31'-0.1"
TYPE 8'	25'-0.1"
TYPE 9	128'-3.6"
TYPE 10	20'-5.7"



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REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
			VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS WALKWAYS NORTHERN AND SOUTHERN BERTHS			
TR Proj.:	8581	Doc. Number:	8581-200-OE-W01-AD	Scale:	1"=4'	Sheet: 3/3
		Rev.:	6			

8581-200-OE-F01-AB
PUMPING FIREFIGHTING
PLATFORM

INDEX

DRAWING	DESCRIPTION
8581-200-OE-F01-AB-H1	PUMPING FIREFIGHTING PLATFORM - INDEX
8581-200-OE-F01-AB-H2	PUMPING FIREFIGHTING PLATFORM - KEY PLAN
8581-200-OE-F01-AB-H3	PUMPING FIREFIGHTING PLATFORM - PLANS
8581-200-OE-F01-AB-H4	PUMPING FIREFIGHTING PLATFORM - SECTIONS & DETAILS
8581-200-OE-F01-AB-H5	PUMPING FIREFIGHTING PLATFORM - GRATING, HANDRAIL, ACCESS & RIGGING

NOTES :

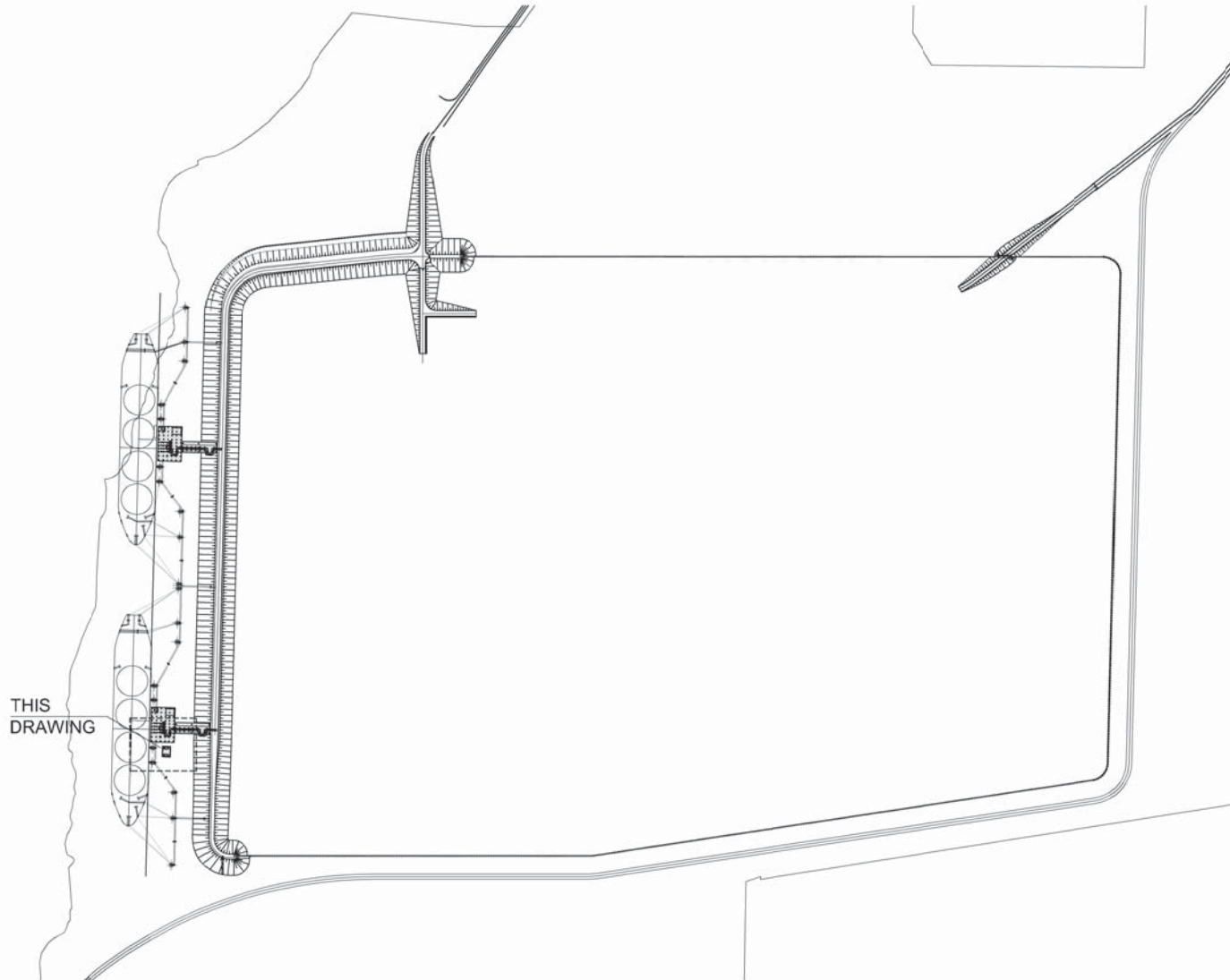
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0	03/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	
REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

	VENTURE GLOBAL CALCASIEU PASS, LLC					
	CALCASIEU PASS					
	PUMPING FIREFIGHTING PLATFORM INDEX					

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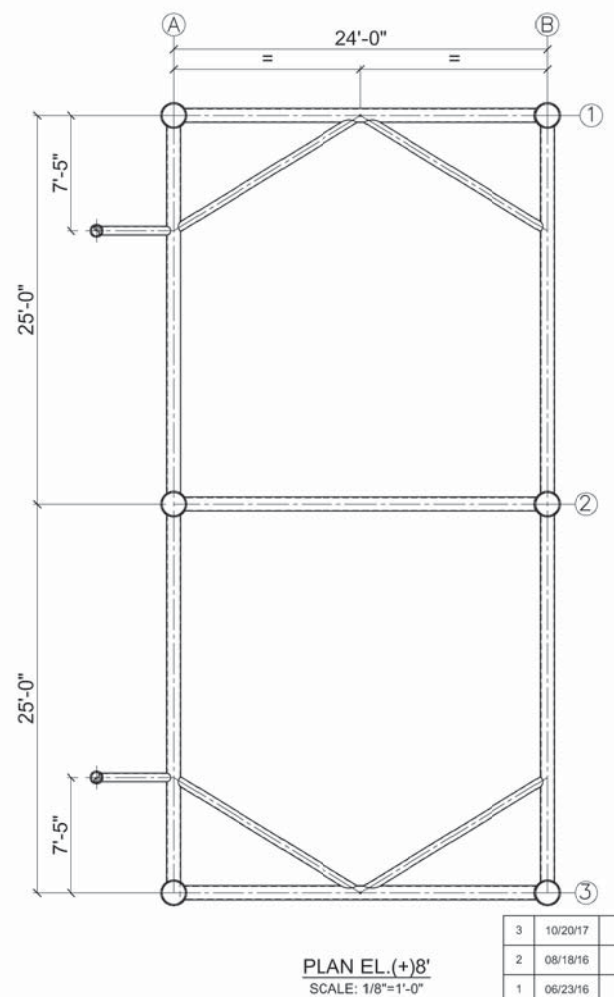
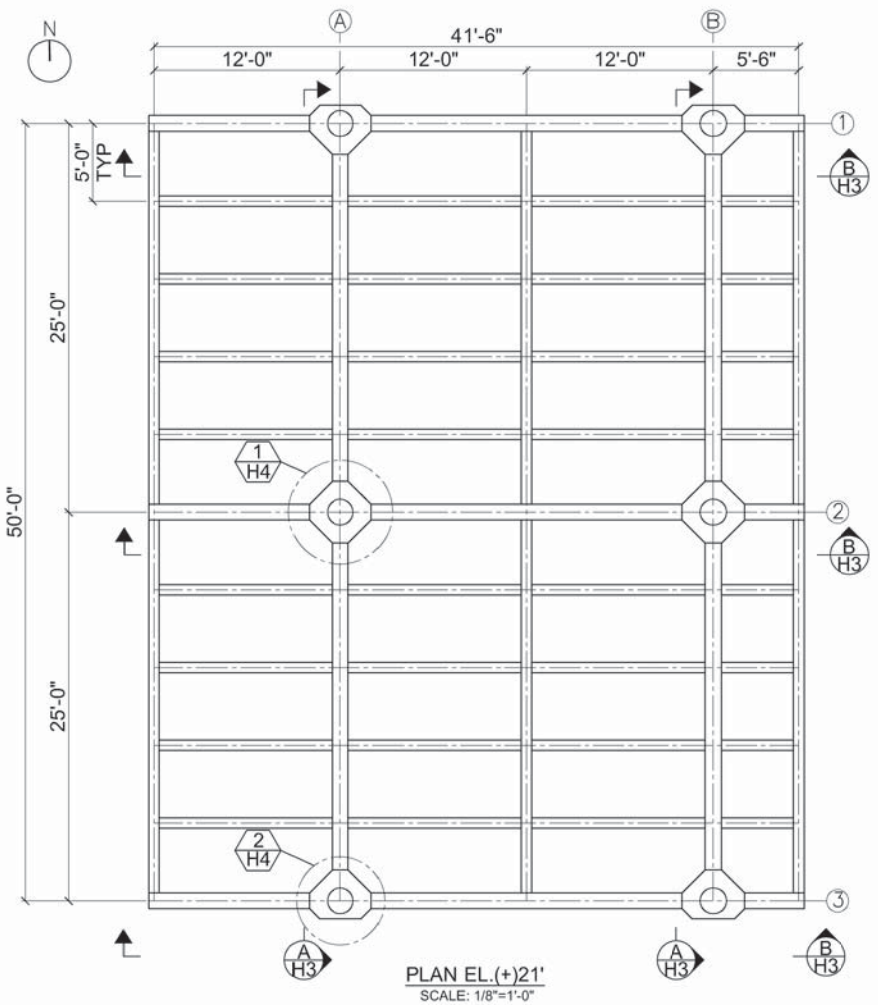
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0	03/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	

	VENTURE GLOBAL CALCASIEU PASS, LLC			
	CALCASIEU PASS			
	PUMPING FIREFIGHTING PLATFORM KEY PLAN			

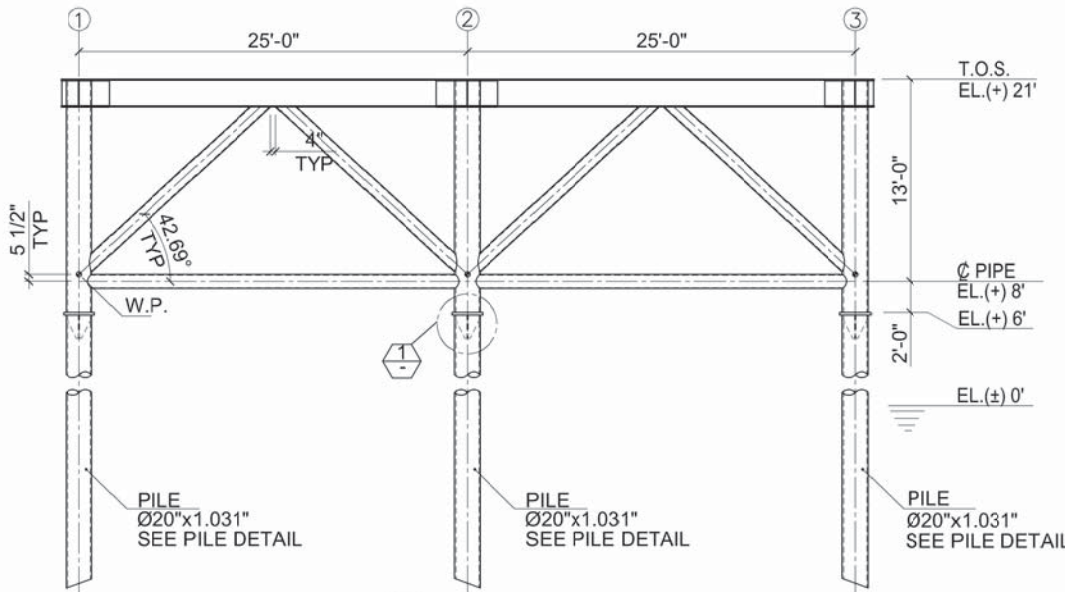
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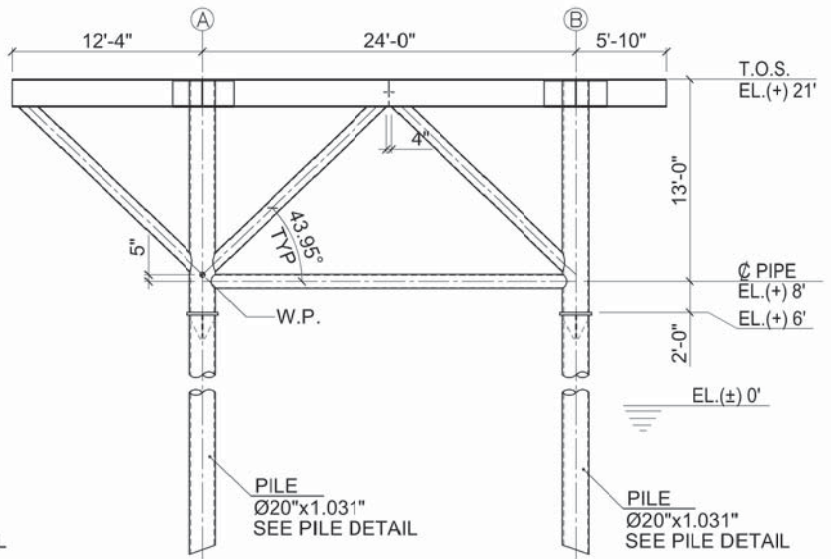
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REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER
			VENTURE GLOBAL CALCASIEU PASS, LLC CALCASIEU PASS PUMPING FIREFIGHTING PLATFORM PLANS			
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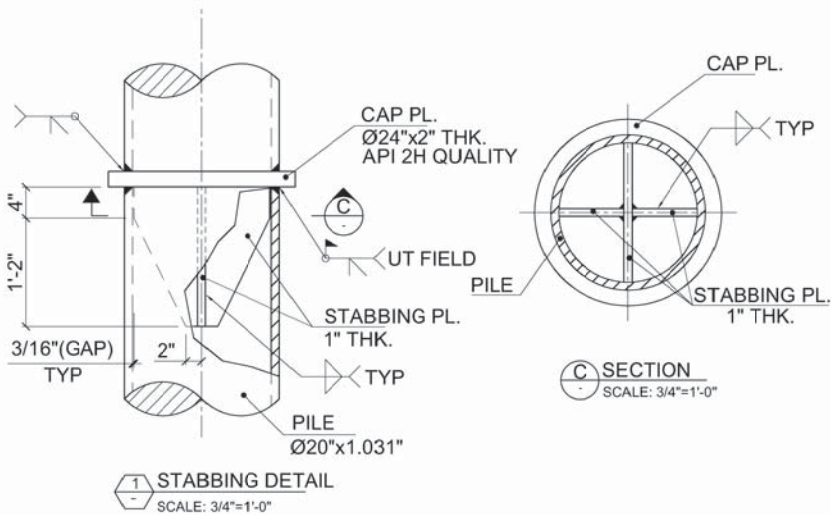
A SECTION
H2 SCALE: 1/8"=1'-0"



B SECTION
H2 SCALE: 1/8"=1'-0"

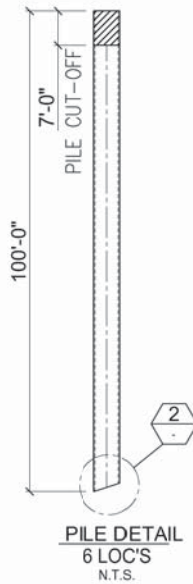
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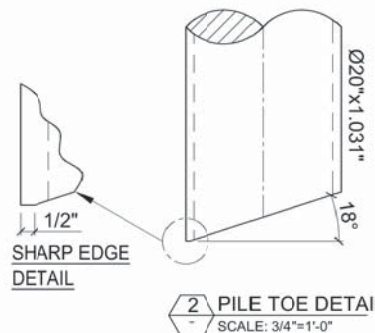


1 STABBING DETAIL
SCALE: 3/4"=1'-0"

C SECTION
SCALE: 3/4"=1'-0"



2 PILE DETAIL
6 LOC'S N.T.S.




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0	03/23/16	ISSUED FOR PERMITTING	CRJ	MAGV	MNP	

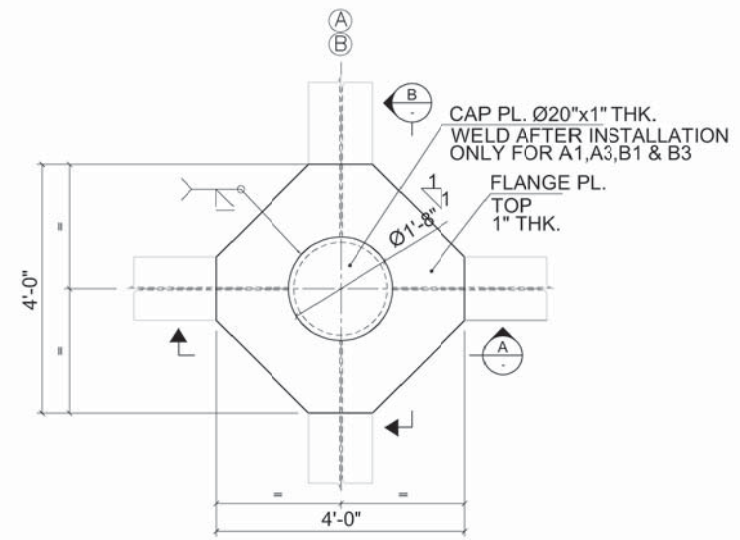
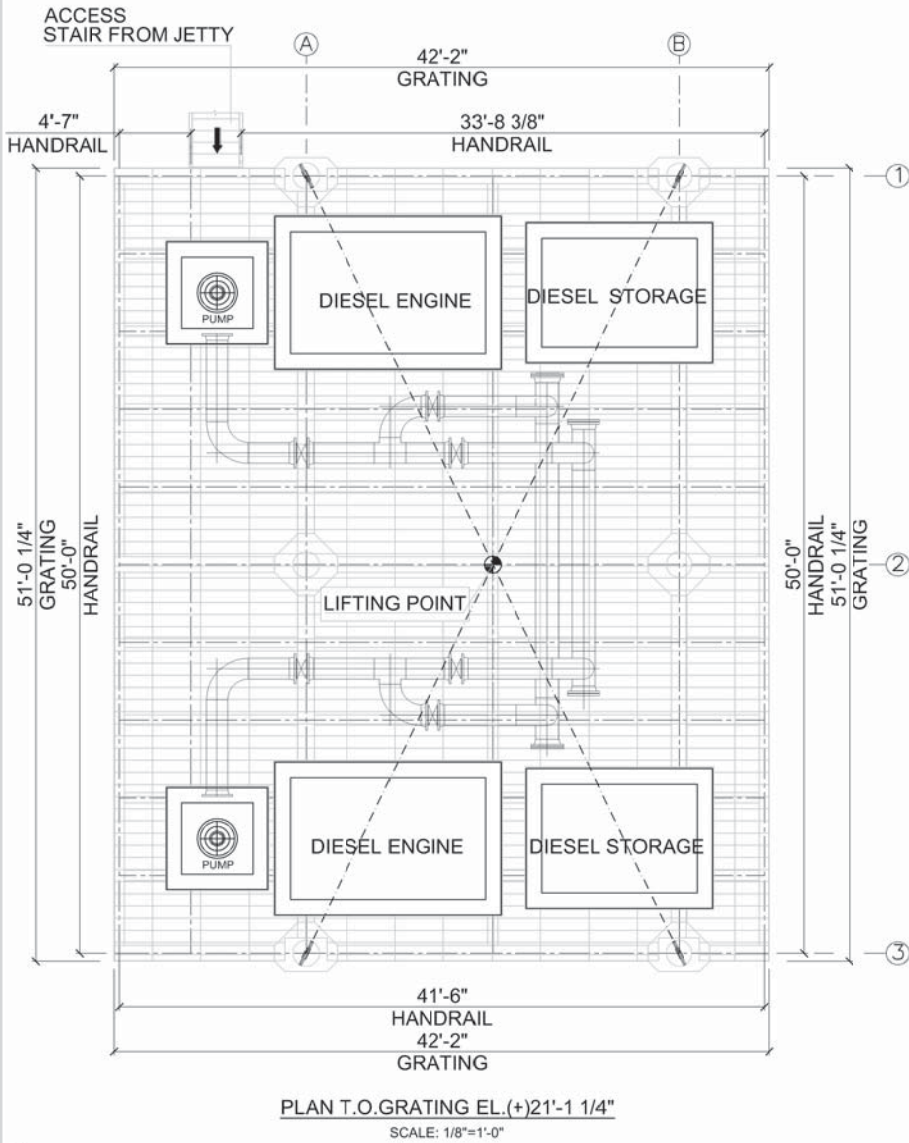
VENTURE GLOBAL CALCASIEU PASS, LLC

CALCASIEU PASS

PUMPING FIREFIGHTING PLATFORM
SECTIONS & DETAILS

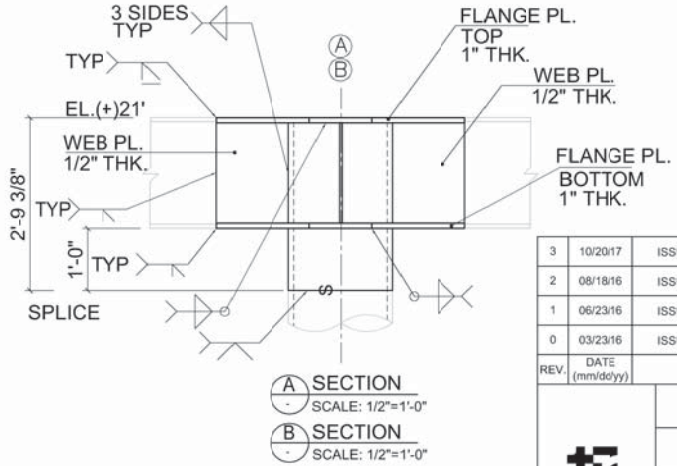


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1 DETAIL
H2 SCALE: 1/2"=1'-0"
AS DRAWN

2 DETAIL
H2 SCALE: 1/2"=1'-0"
SIMILAR



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REV.	DATE (mm/dd/yy)	DESCRIPTION	PREPARED	CHECKED	APPROVED	OWNER

VENTURE GLOBAL CALCASIEU PASS, LLC

CALCASIEU PASS
PUMPING FIREFIGHTING PLATFORM
GRATING, HANDRAIL, ACCESS & RIGGING

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