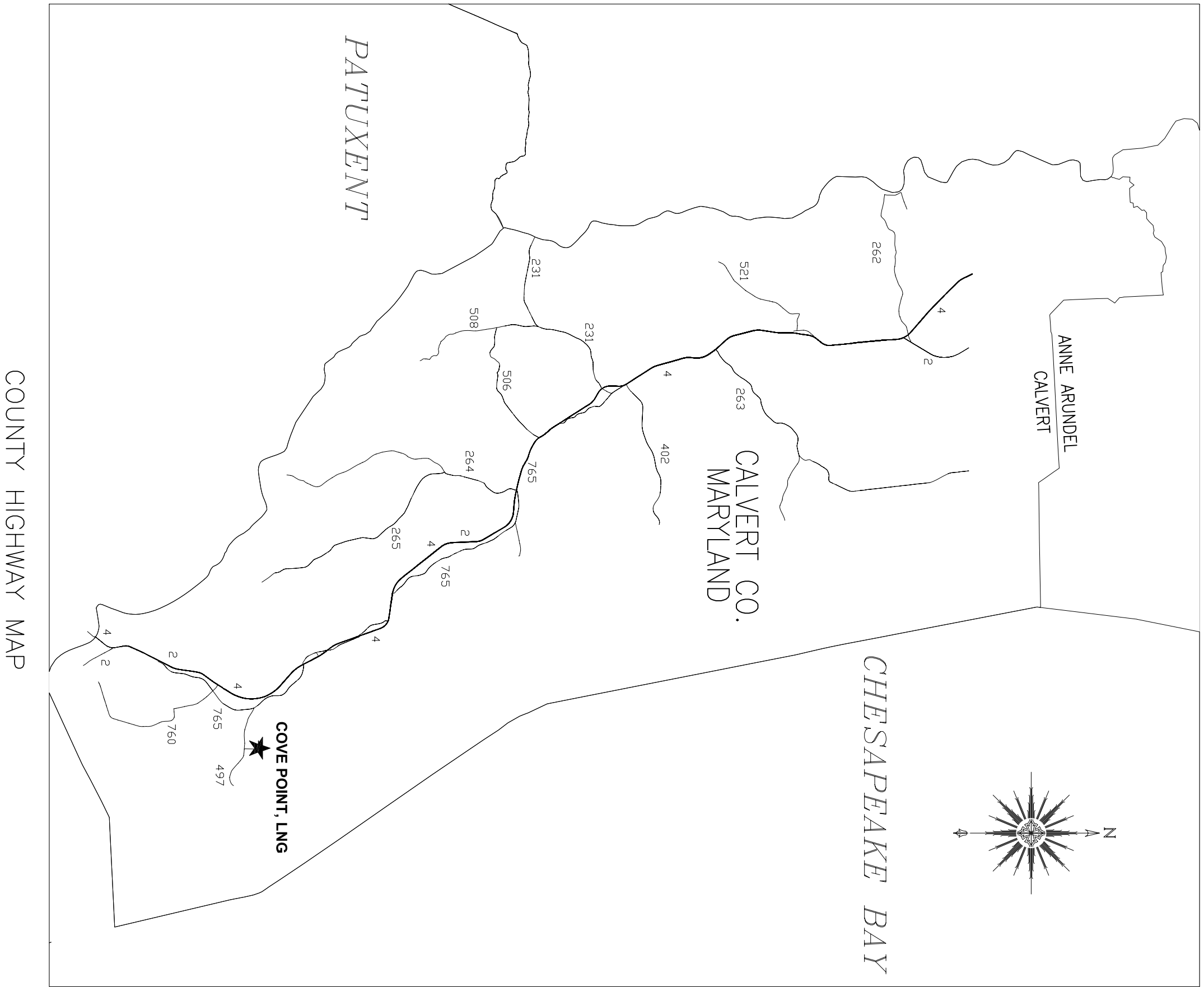
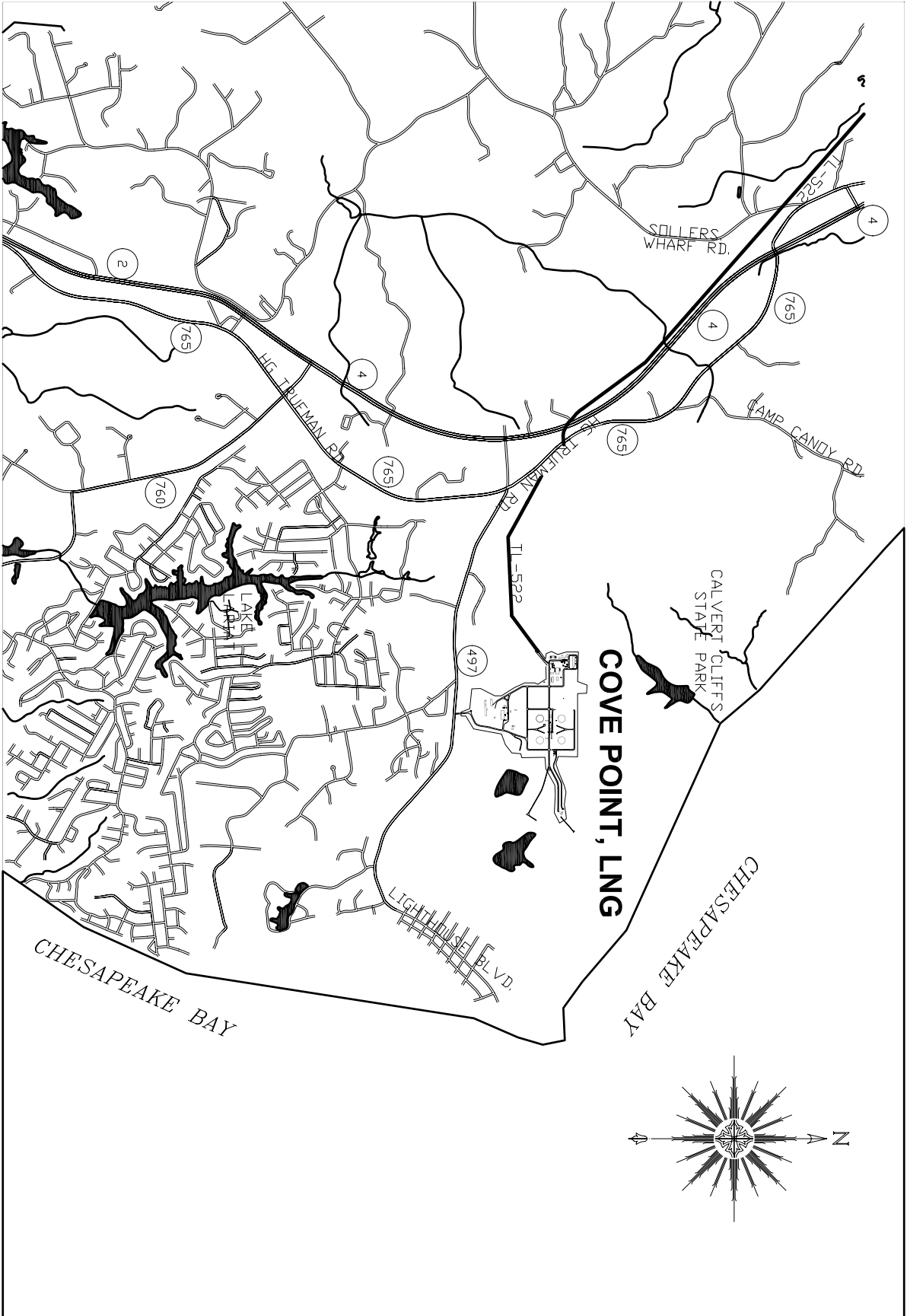


Dominion Transmission Corporation

445 West Main Street  
Clarksburg, WV 26301

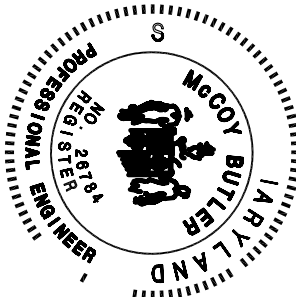


COVE POINT LNG, LP  
LNG BERTH  
PIER REINFORCEMENT  
PROJECT  
(2010 CONSTRUCTION)  
LUSBY, MD  
CALVERT COUNTY  
MARINE



I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 26784  
Expiration Date: 03 / 26 / 2010  
SEAL

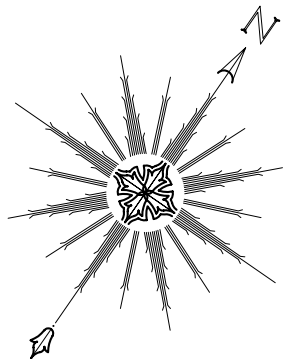
TELEPHONE: (304) 623-8000  
FAX NUMBER: (304) 627-3475  
ISSUED FOR CONSTRUCTION: SEPT. 25, 2009



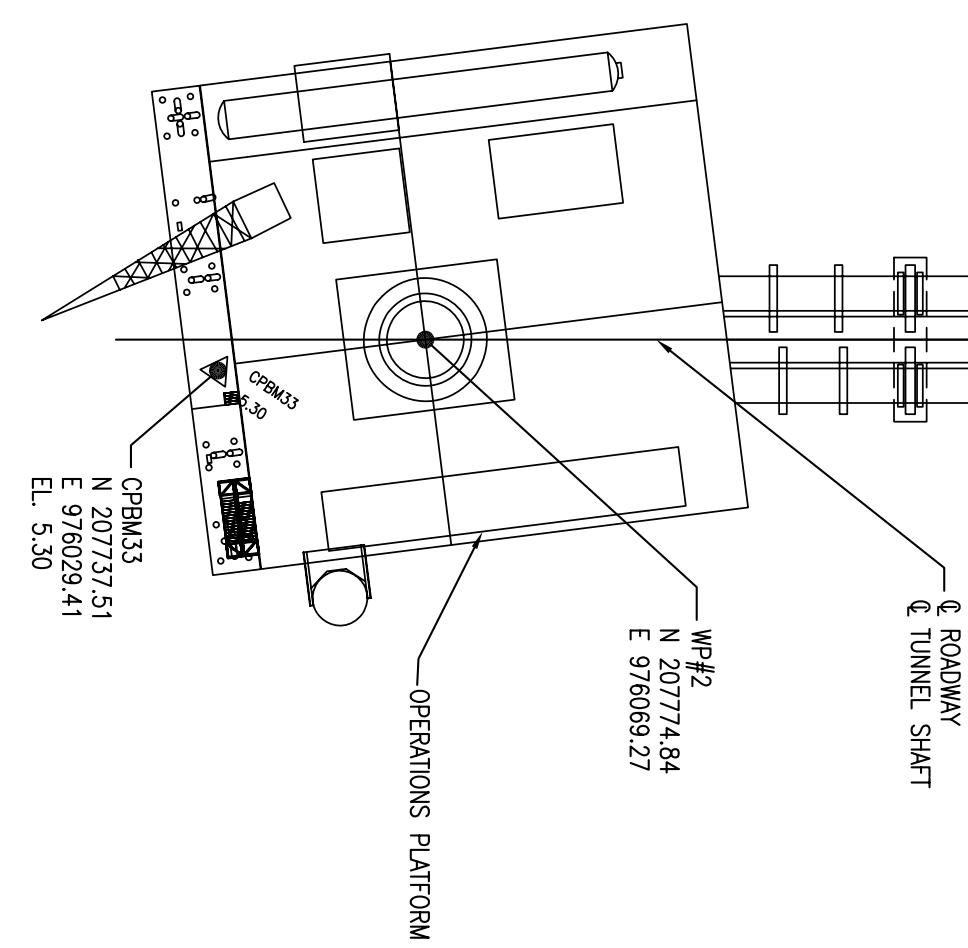
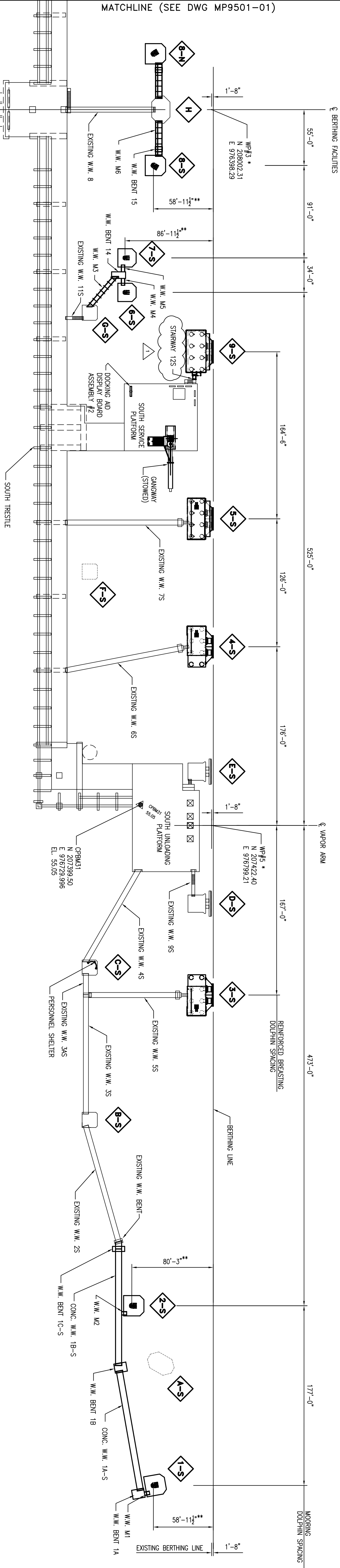




N208389 - 01"  
E976957 - 72"



N208990 - 8"  
E977924 - 41"

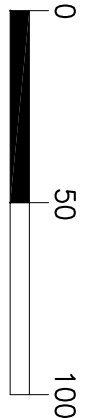


N207791 - 108"  
E976093 - 114"

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 20784

Expiration Date: 03/26/2010



N206993 - 61"  
E977060 - 81"

GENERAL NOTES AND COMMENTS:

Horizontal datum based on Maryland State Plane Coordinate System MDO 1927, Vertical datum based on NGVD 1929.

Batterymen's Point located along existing Berthing Line.

\*\*Refer to DWG MP9501-01 for Berthing Line.

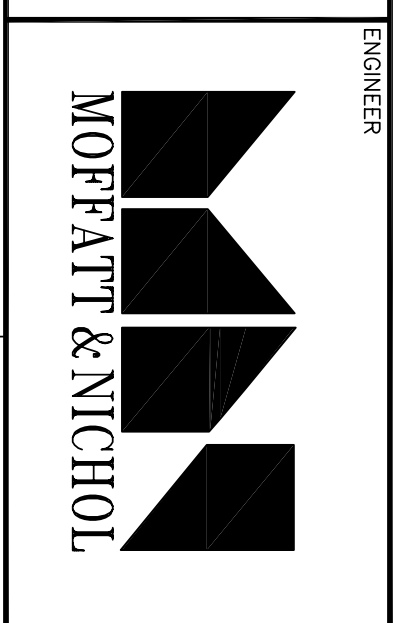
For General Notes and Design Criteria see dwg. no. MP9500A.

For Mooring Details see dwg. no. MP9500A - MP9500A05.

For Berthing Details see dwg. no. MP9500A - MP9500A05.

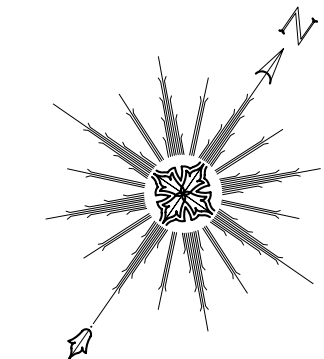
For Docking Details see dwg. no. MP9500A - MP9500A05.

For Gangway Mounting Details see dwg. no. MP9500A01.



SYN.	DATE	BY	REVISION INFORMATION	PROJECT / TASK	APP.
5-25-09	RCW		ISSUE FOR CONSTRUCTION	ICD1-CP-3.52	MW
7-7-09	RCW		ADD STAKING 125 NOTE	ICD1-CP-3.52	MW
5-29-09	RCW		ISSUE FOR BID	ICD1-CP-3.52	JM

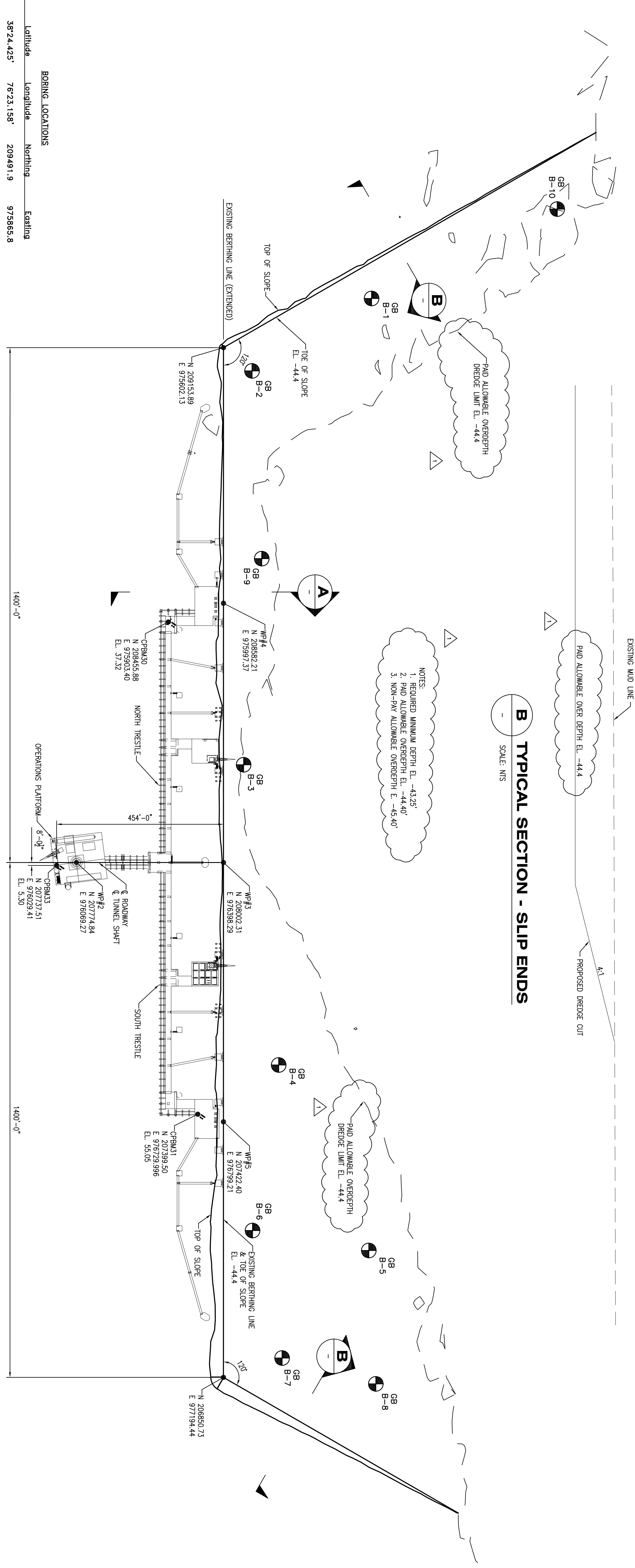
N211268'-103"  
E376639'-41"



N207073'-104"  
E379339'-44"

**A** TYPICAL SECTION - BERTHING LINE  
SCALE: NTS

**B** TYPICAL SECTION - SLIP ENDS  
SCALE: NTS



**PLAN**

EXISTING BERTHS SHOWN

**BORING LOCATIONS**

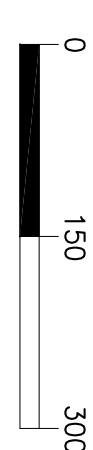
Boring	Latitude	Longitude	Northing	Eastings
GB-1	38°24.425'	76°23.158'	209491.9	975865.8
GB-2	38°24.367'	76°23.190'	209138.8	975715.4
GB-3	38°24.221'	76°23.074'	208256.4	976275.3
GB-4	38°24.118'	76°22.959'	207635.0	976828.8
GB-5	38°24.070'	76°22.858'	207346.9	977313.2
GB-6	38°24.052'	76°22.917'	207235.8	977032.1
GB-7	38°24.009'	76°22.859'	206976.7	977310.9
GB-8	38°24.026'	76°22.811'	207081.4	977539.5
GB-9	38°24.301'	76°23.128'	208740.3	976014.2
GB-10	38°24.505'	76°23.101'	209979.3	976134.8

DATUM:  
LATITUDE AND LONGITUDE: NAD 83  
NORTHING AND EASTING: NAD 27 MARYLAND STATE PLANE


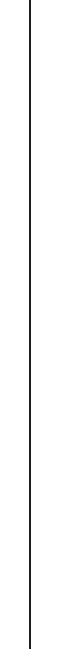
N209477'-81"  
E374043'-04"

GB  
B-1

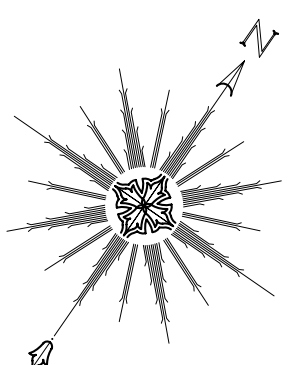
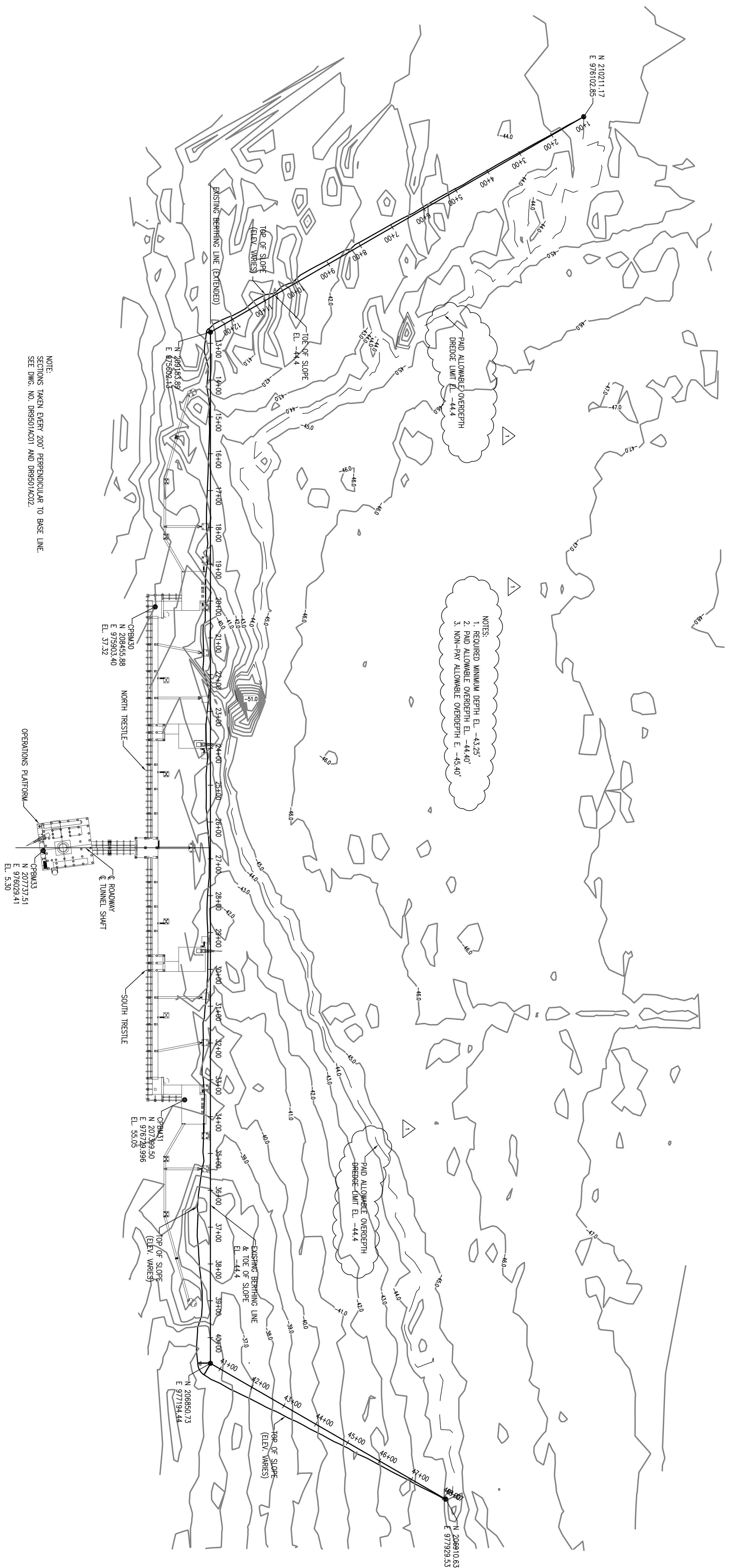
I hereby certify that these documents  
were prepared or approved by me,  
and that I am a duly licensed professional  
engineer under the laws  
of the State of Maryland.  
License No. 26784  
Expiration Date: 03/26/2010



N205282'-6"  
E376948'-4"


GENERAL NOTES AND COMMENTS:										ENGINEER		REVISION INFORMATION				PROJECT/TASK		SEAL		ORIGINAL CONSTRUCTION INFORMATION				Dominion Cove Point LNG, LP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1. Grid based on Maryland State Plane Coordinate System NAD 1927.										 MOFFATT & NICHOL		SYN	DATE	BY									PROJECT/TASK:		ICDTI-CP-3.52		FOR:		2100 Cove Point Road   Lusby, Maryland 20657   Phone: (410) 286-5100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2. Vertical datum based on NAD 1929.																							DRAWN:		RCW		10-16-08		COVE POINT LNG, LP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3. Bathymetry Data referenced from Dominion Cove Point, LP in May 2008.																							CHECKED:		JM		2-26-09		TITLE:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4. Control Point Data referenced from Control Point Dominion Transmission Corp. Plant May, 2005 by AE Survey and Mapping, Inc.																							APP. FOR CONSTRUCTION		MW		5-29-09		DREDGING PLAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5. Boring Log data can be referenced from the Laboratory Testing Report, Cove Point Project - Dredge Material																							APP. FOR CONSTRUCTION		MB		9-25-09		TOWN: LUSBY, MD COUNTY: CALVERT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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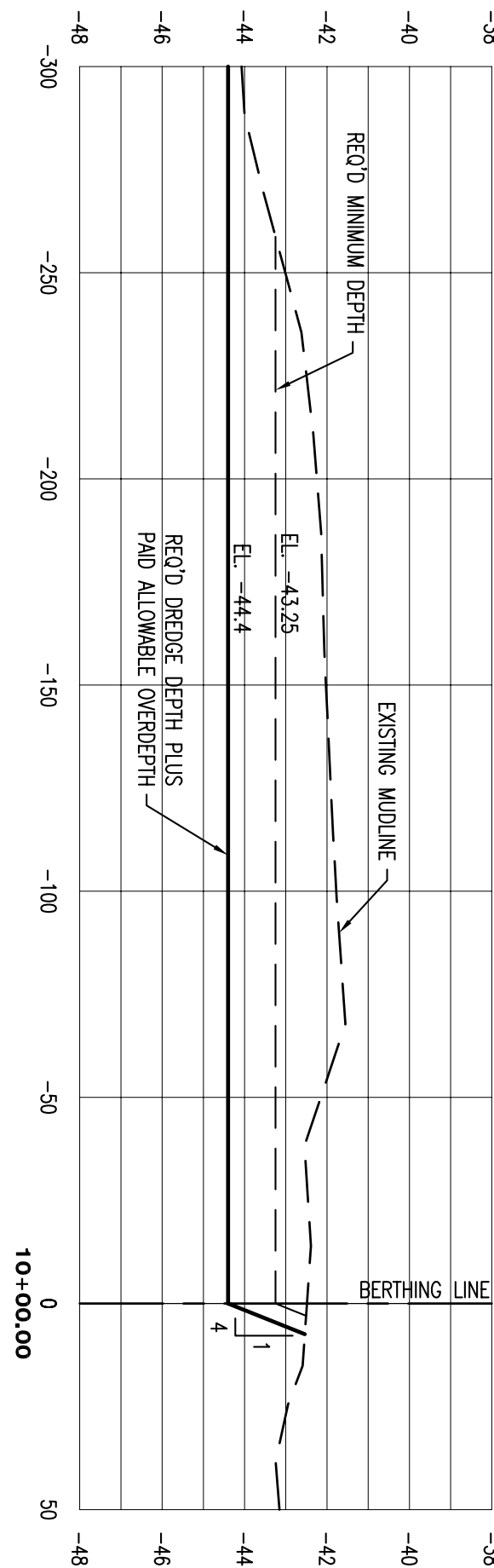


## PLAN

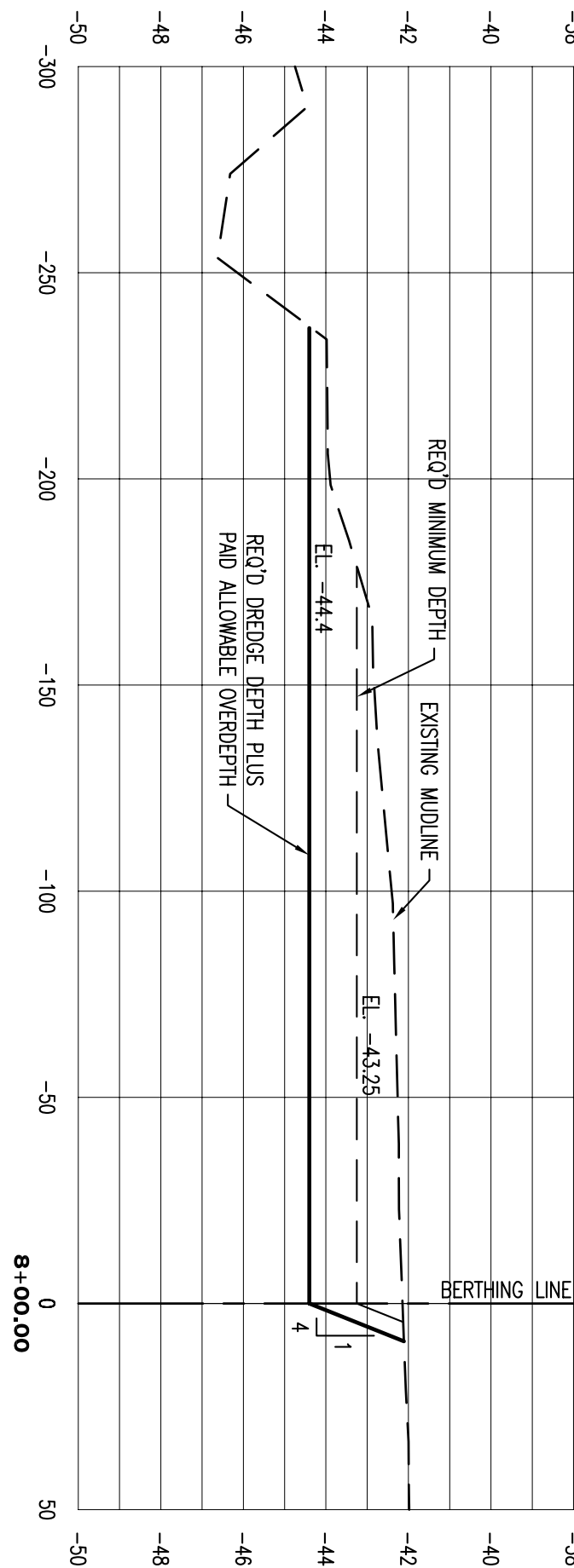
EXISTING BERTHS SHOWN

GENERAL NOTES AND COMMENTS: 1. Grid based on Maryland State Plane Coordinate System NAD 1927. 2. Vertical datum based on NGD 1928. 3. Bathymetry Data retrieved from Dominion Cove Point, LP in May 2008. 4. Benchmark Data referenced from Control Report Dominion Transmission Corp. Plant May, 2005 by Air Survey and Control Report Dominion Transmission Corp. Plant April, 2008 by Aero-Metric. 5. Reference drawing DBS01.dwg for Boring Log addn. 6. For sections see pages DWG050A001 and DWG050A002..										<div>ENGINEER</div> <div><div>MOFFATT &amp; NICHOL</div></div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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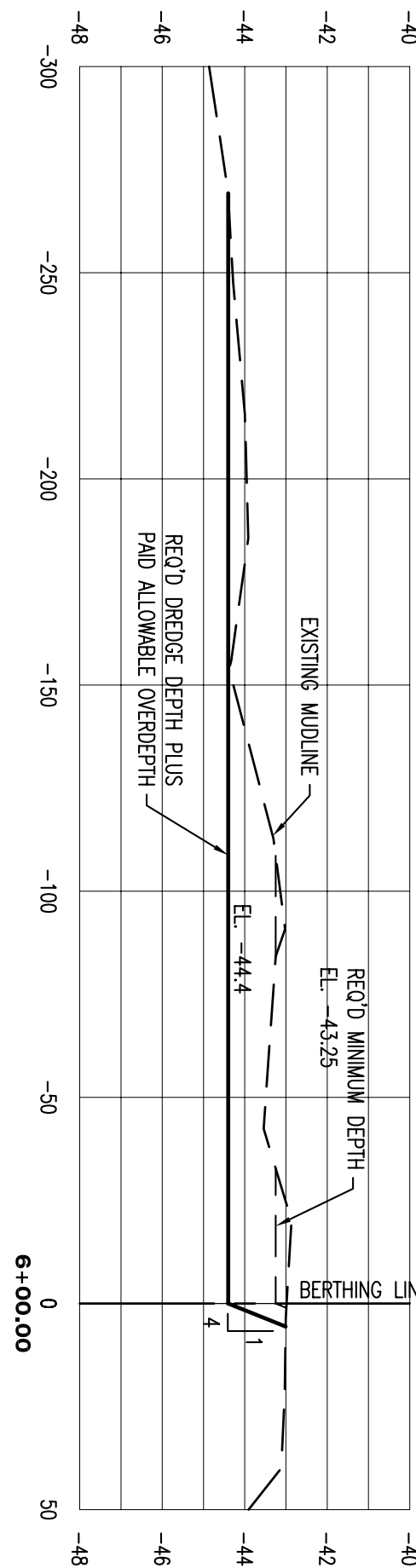
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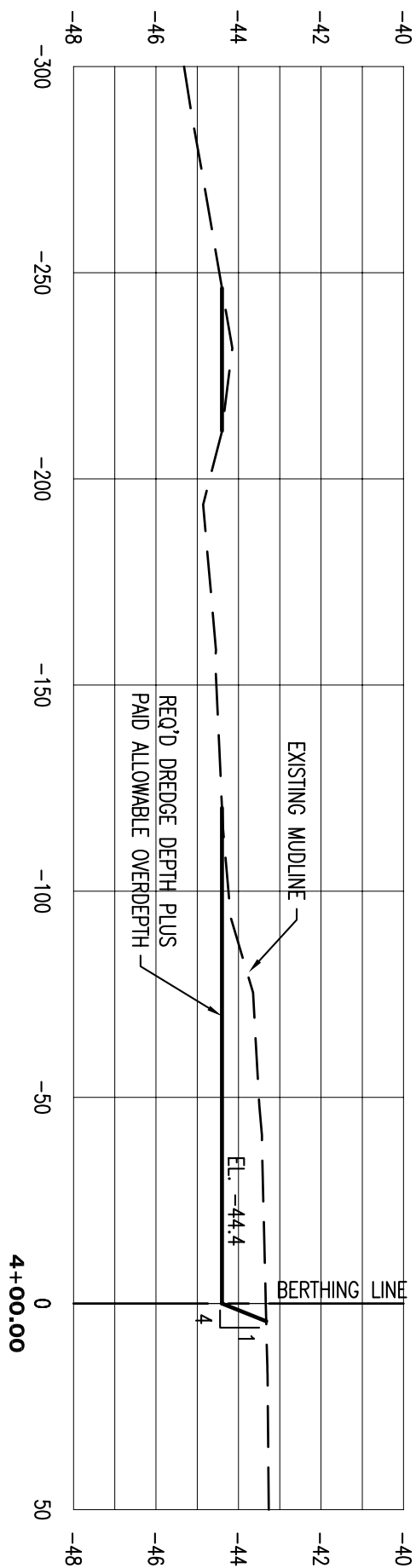
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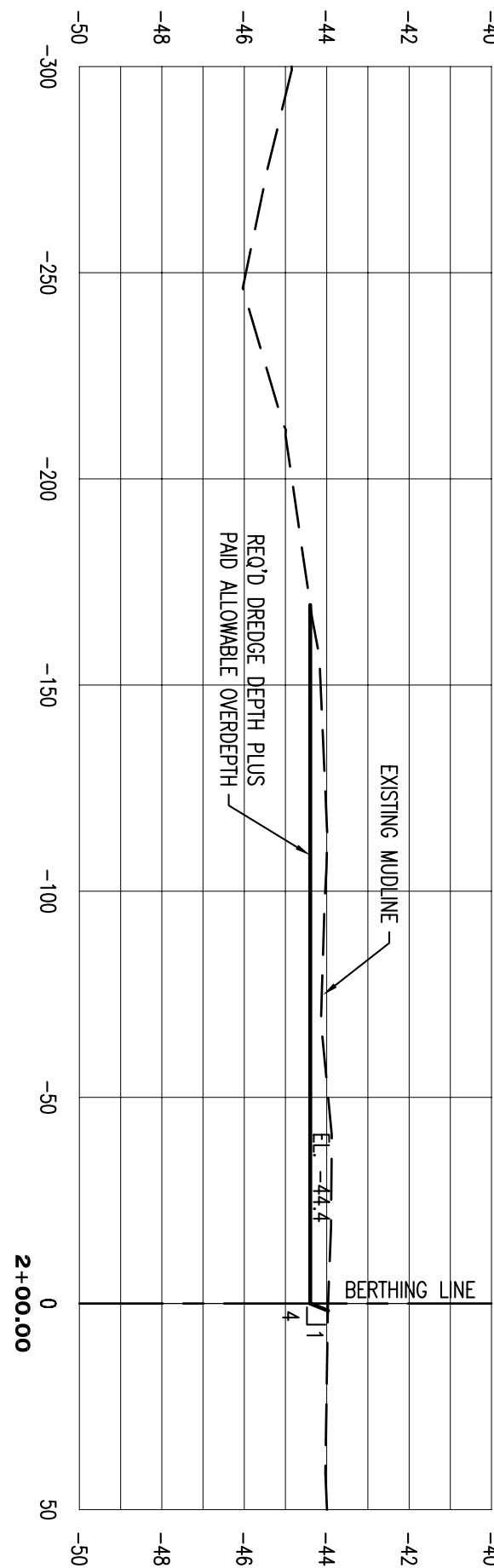
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C

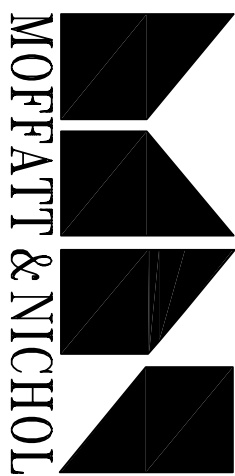


B

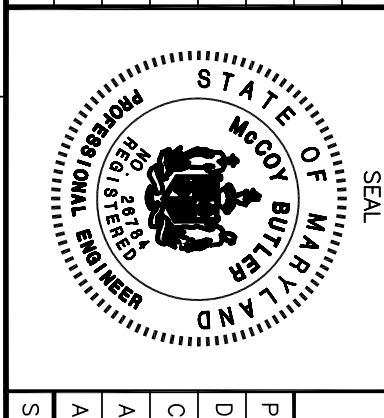


A

- GENERAL NOTES AND COMMENTS:
1. Vertical datum based on NOAA 1929.
  2. Bathymetry Data received from Dominion Cove Point, LP in May 2008.
  3. Reference drawing DR9501.dwg for Berthing Log data.
  4. For Section Locations see dwg. no. DR9501.MC



SYMBOL	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.
1	7-4-09	ROW	ISSUE FOR CONSTRUCTION	ICDTI-CP-3.52	LW
2	9-25-09	ROW	ISSUE FOR CONSTRUCTION	ICDTI-CP-3.52	LW
3	8-5-09	ROW	REVISED NOTES ON ALL SECTIONS ADDED REDD MIN DEPTH	ICDTI-CP-3.52	LW
4	7-4-09	ROW	ISSUE FOR BID	ICDTI-CP-3.52	MW

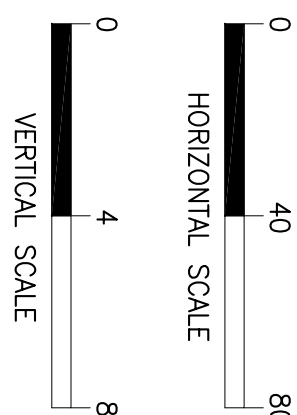


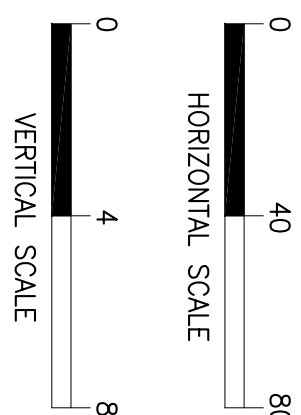
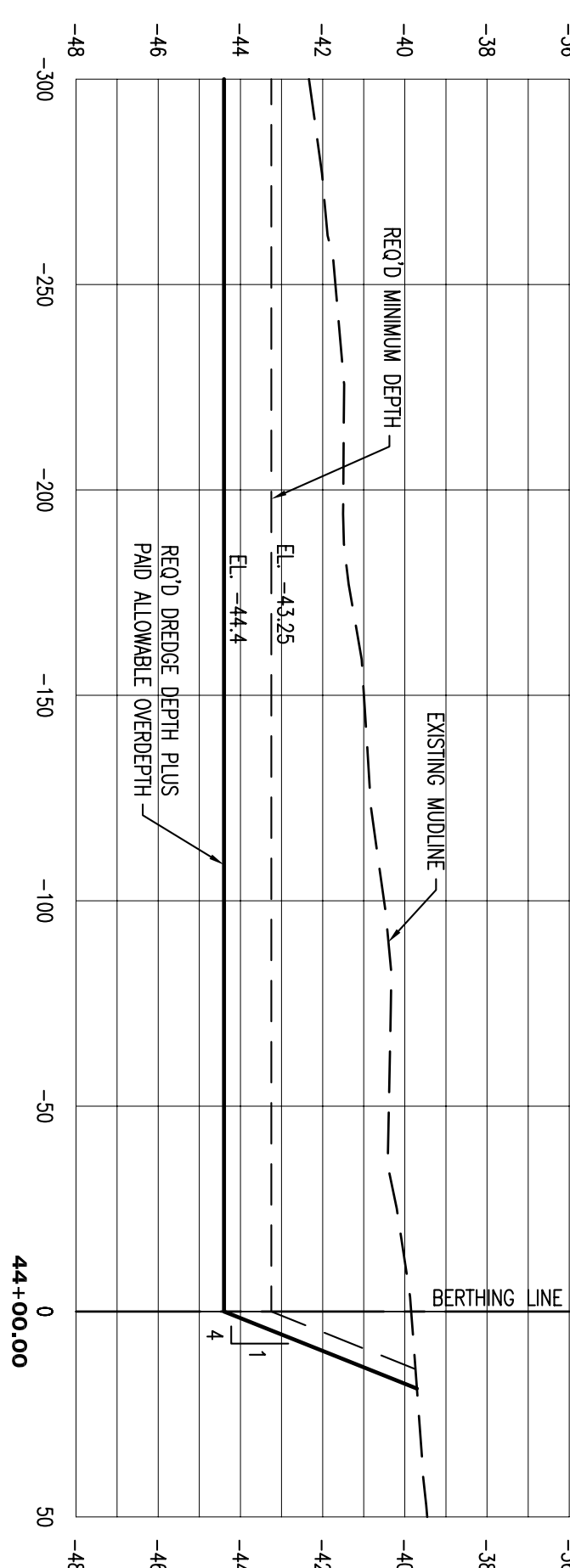
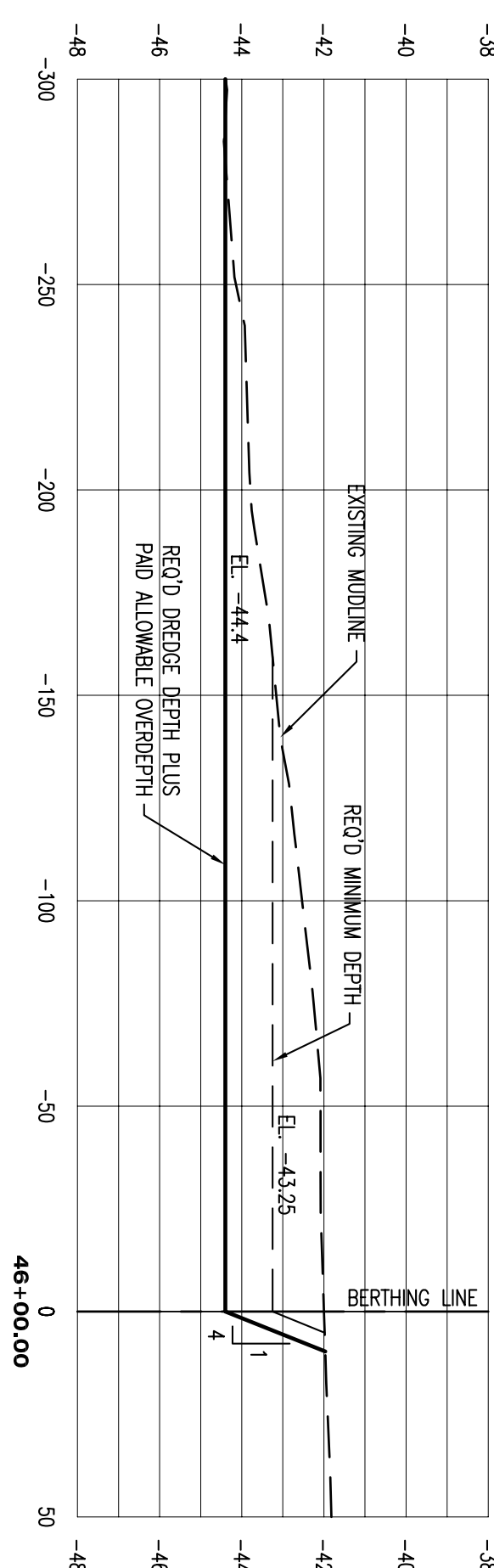
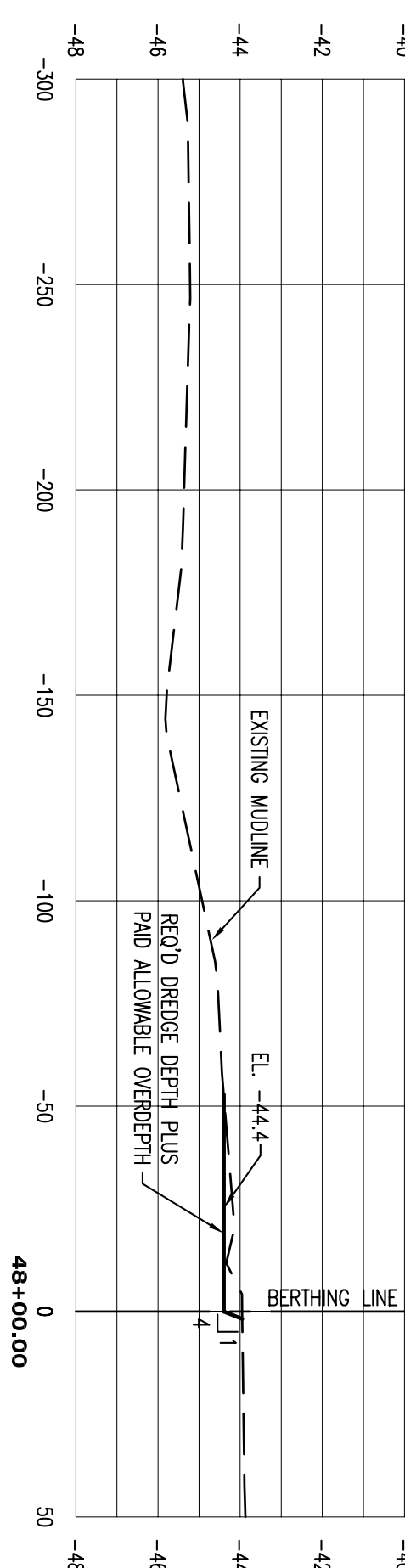
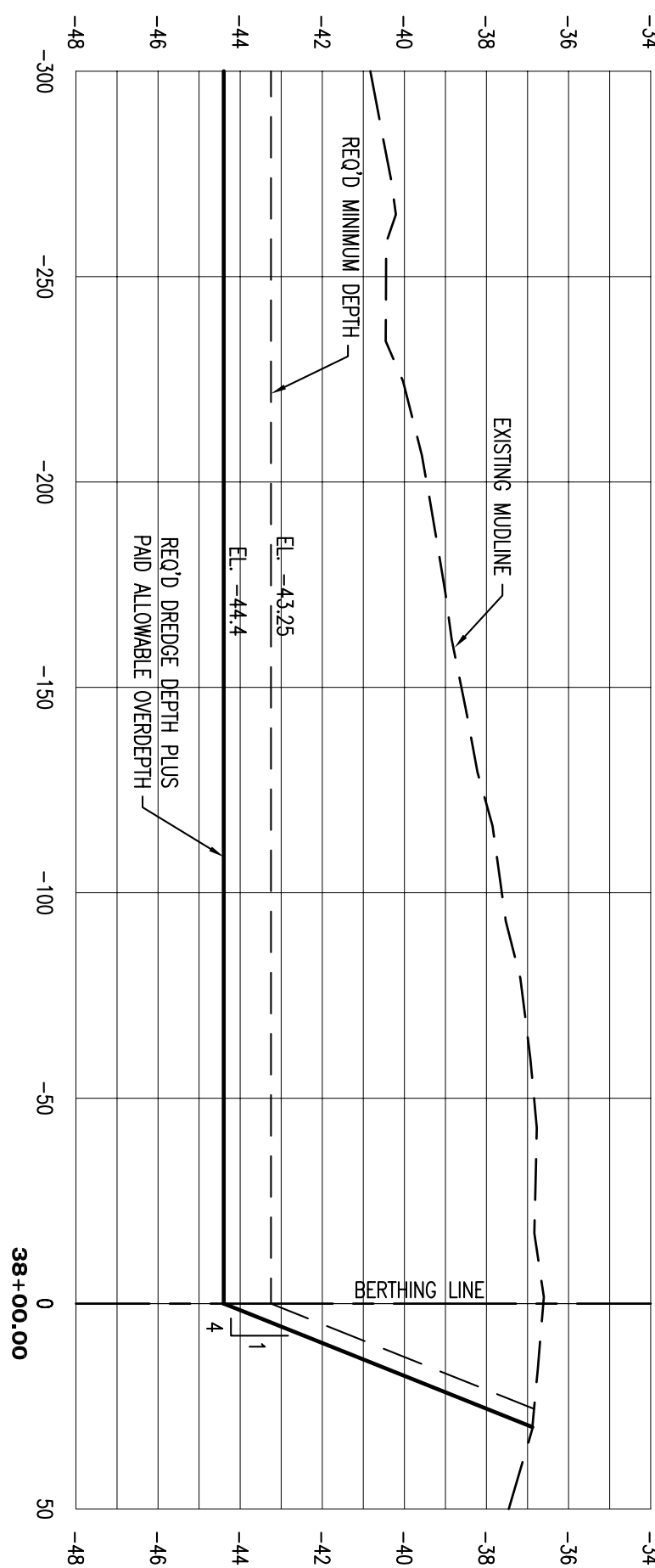
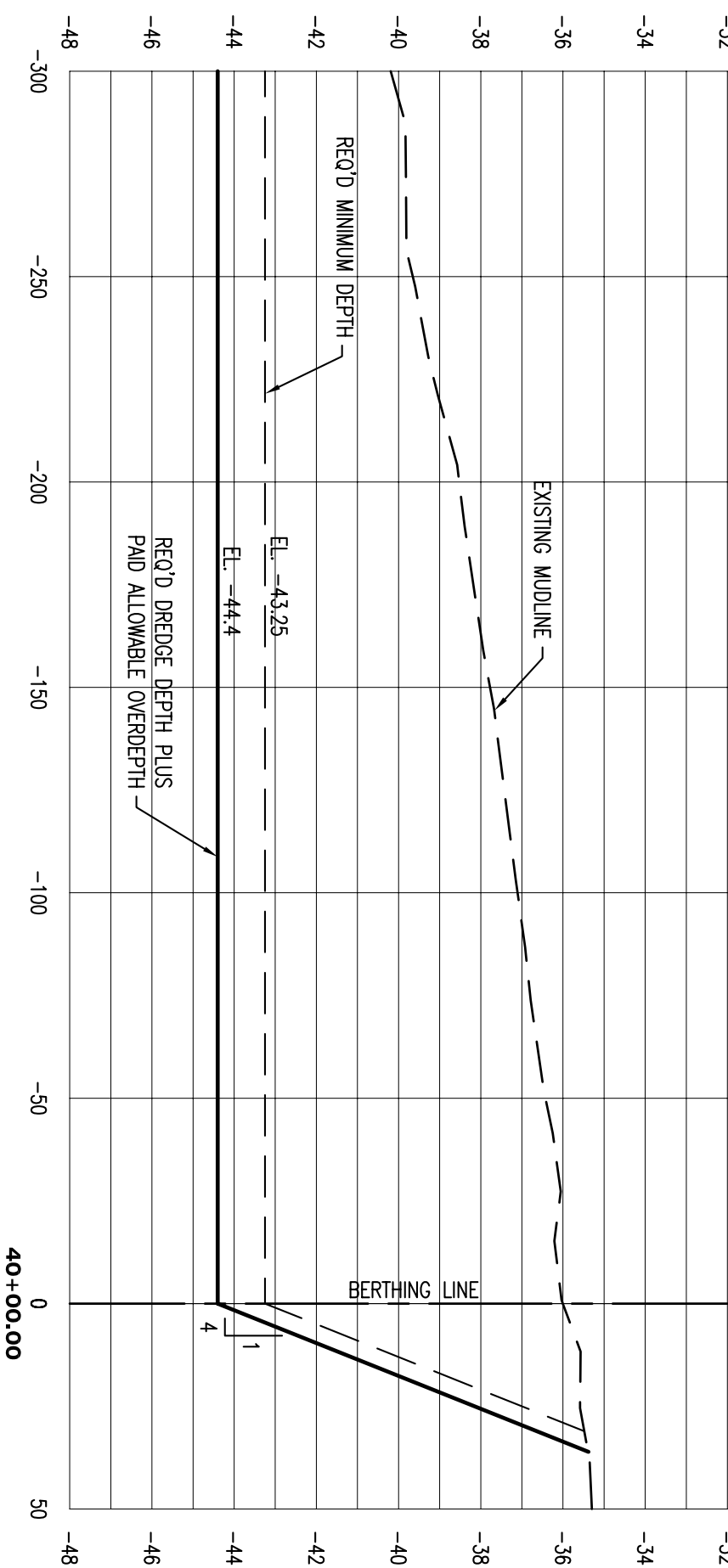
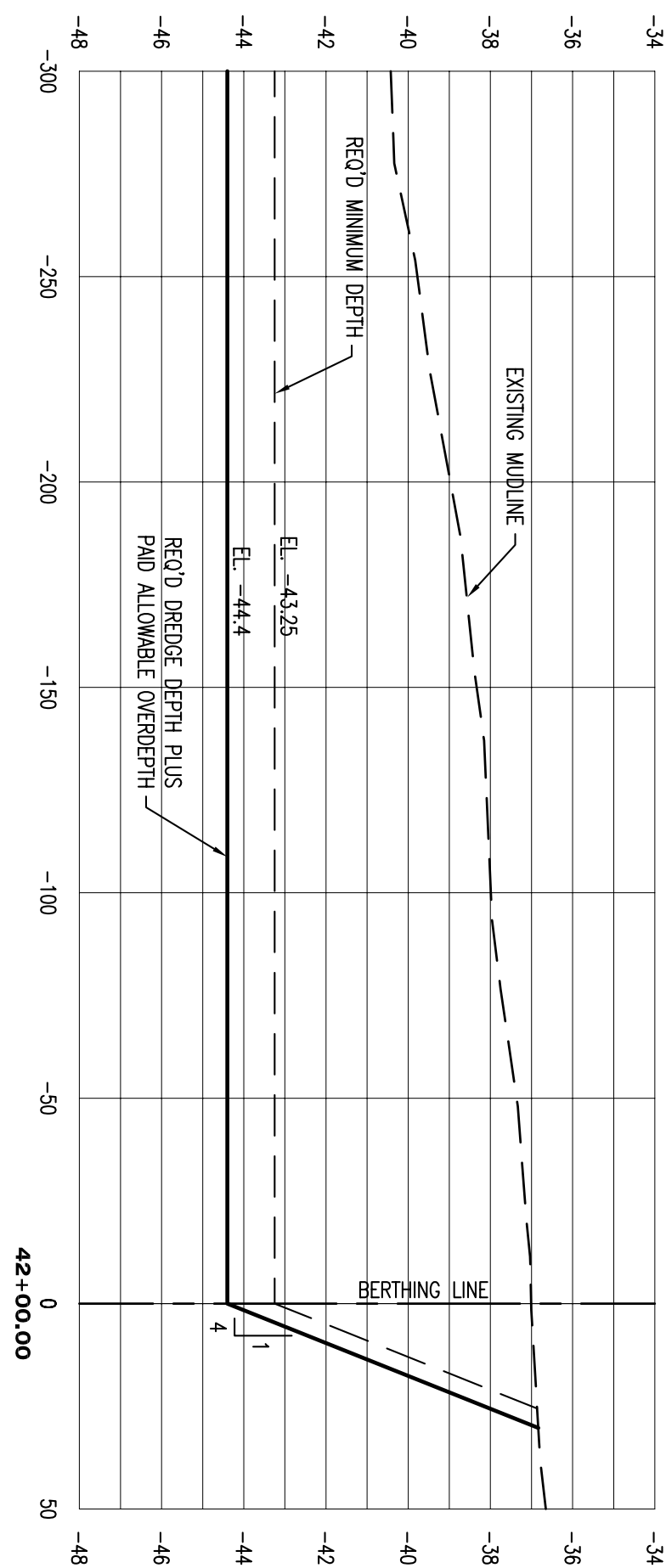
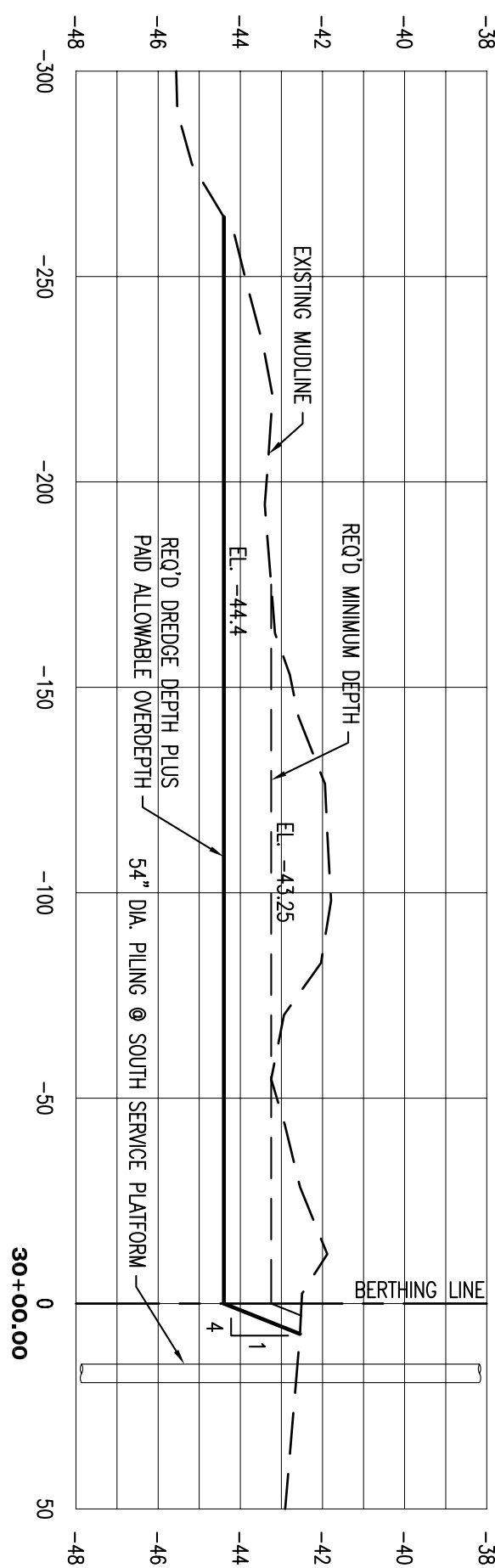
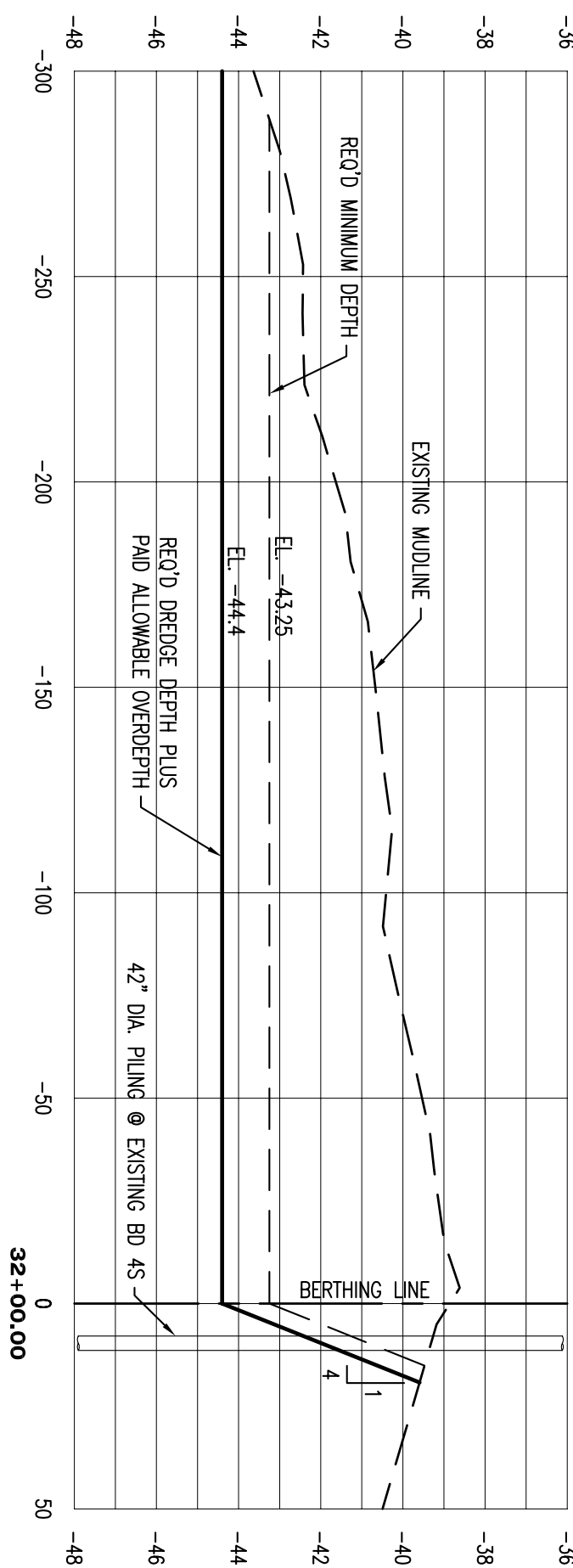
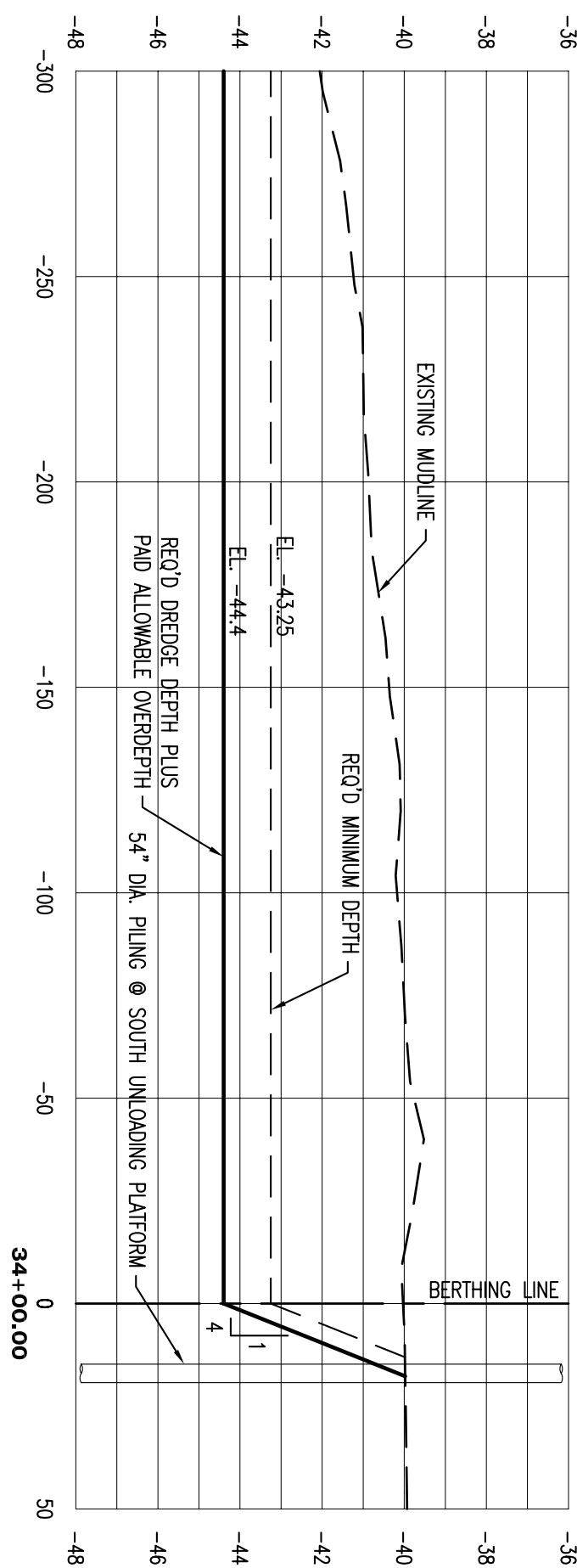
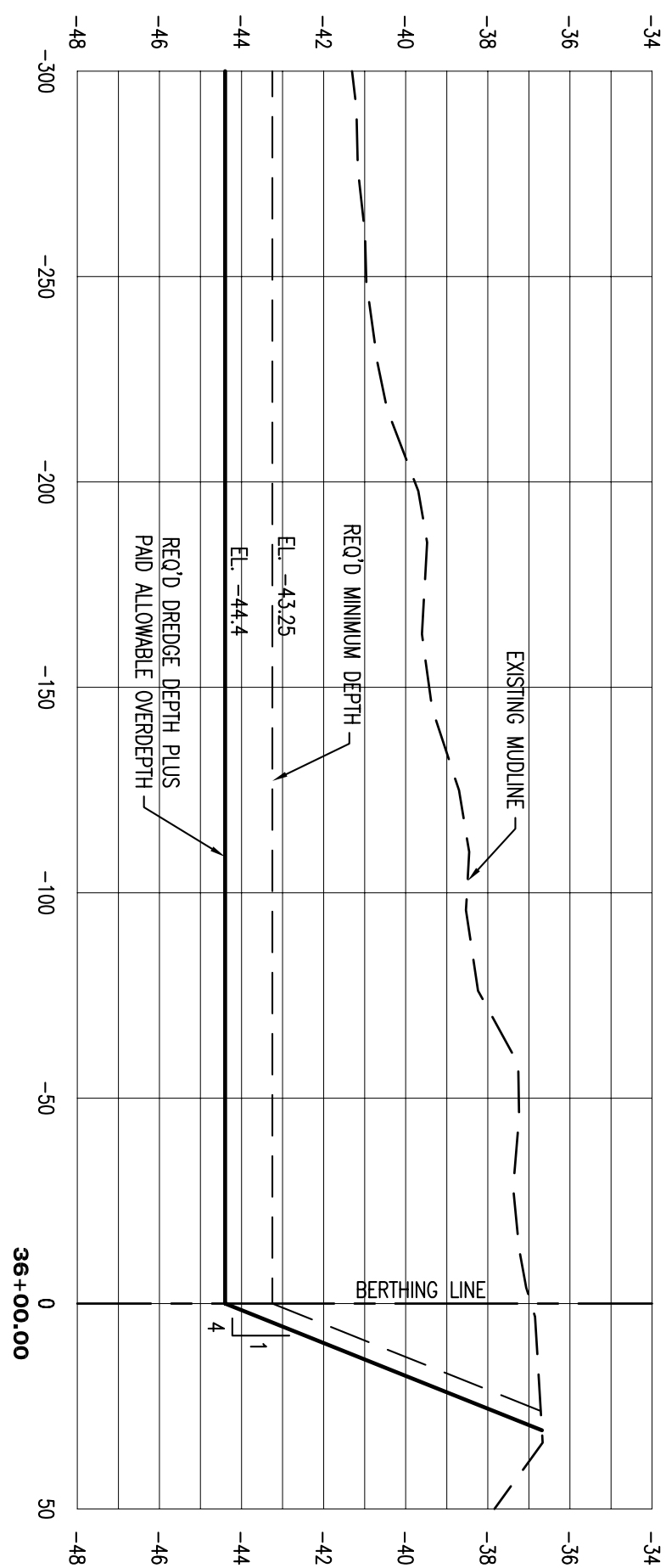
ORIGINAL CONSTRUCTION INFORMATION	
PROJECT/TASK:	ICDTI-CP-3.52
DRAWN:	7-7-09
CHECKED:	7-8-09
APP. FOR CONST.:	7-8-09
APP. FOR CONST.:	9-25-09

Dominion Cove Point LNG, LP	
FOR:	2100 Cove Point Road   Lusby, Maryland 20657   Phone: (410) 286-5100
TITLE: COVE POINT LNG, LP	
DREDGING SECTIONS	
TOWN:	LUSBY, MD
COUNTY:	CALVERT
CONTRACT NUMBER:	35100.1.13.2
GROUP:	DR
DWG. NO:	9501AC01
REV:	2

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer in the State of Maryland.

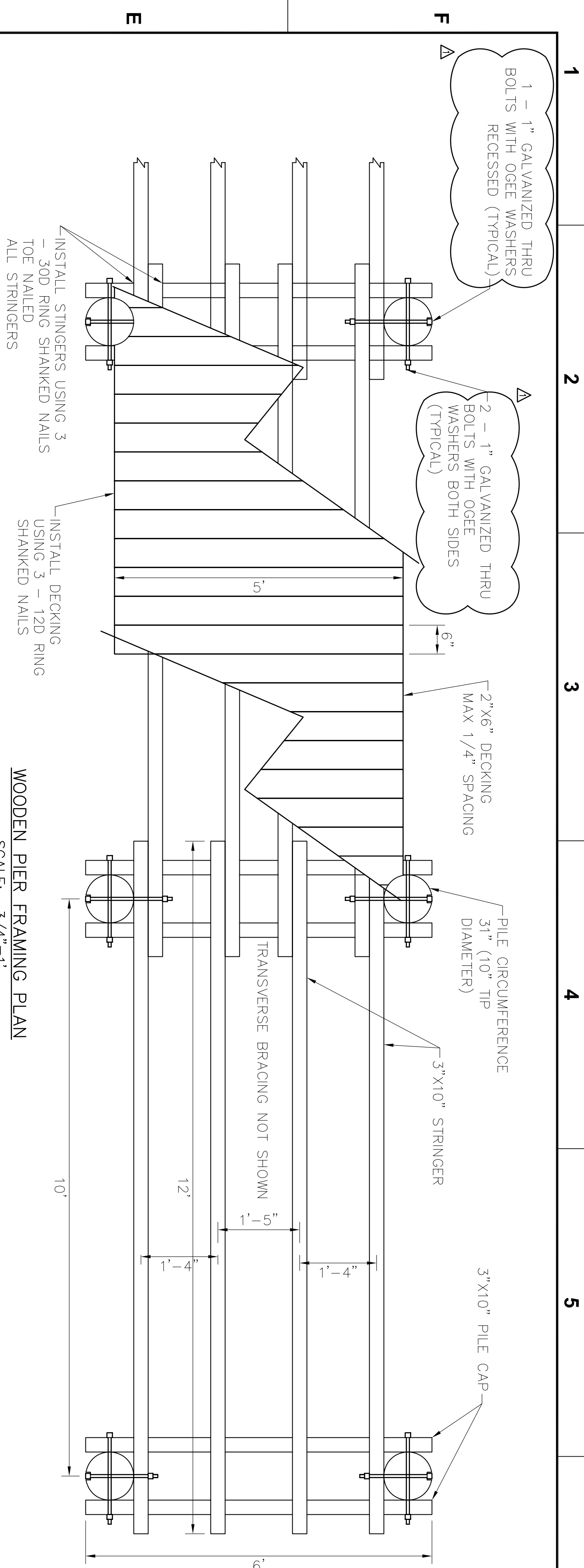
License No. 26784  
Expiration Date: 03/26/2010



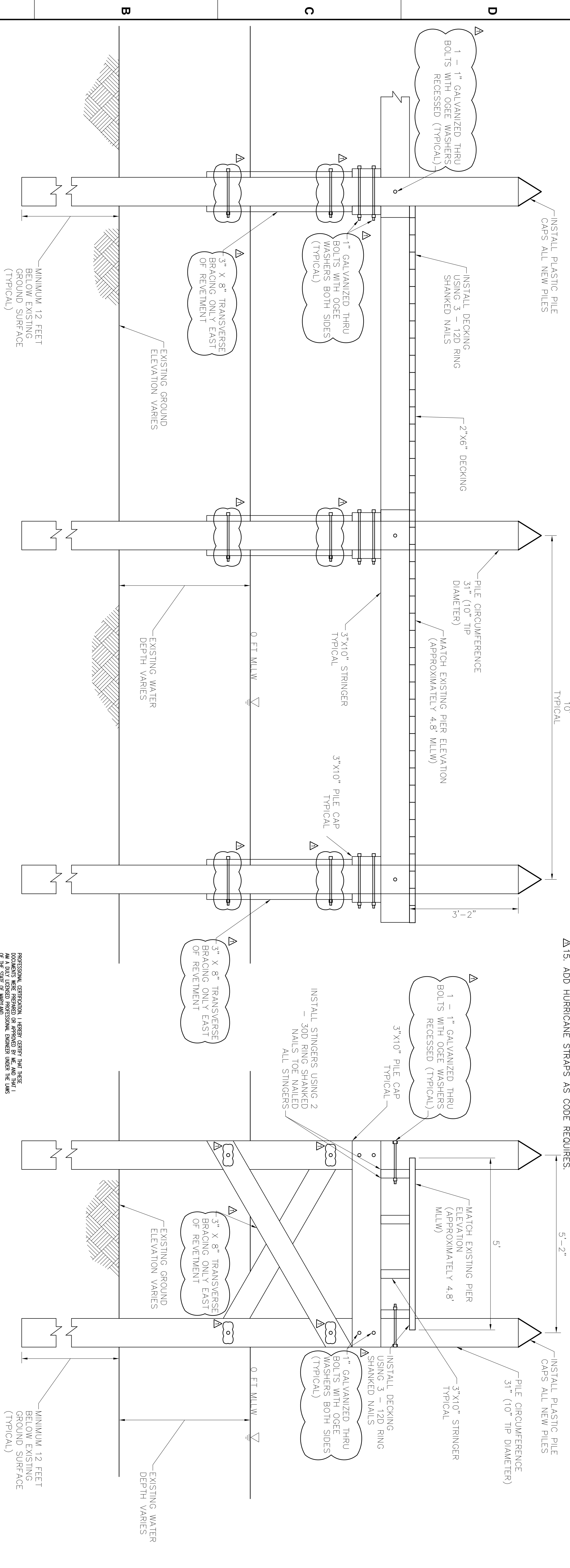


GENERAL NOTES AND COMMENTS: 1. Vertical datum based on NAD 1929 2. Bathymetry Data received from Dominion Cove Point, LP in May 2008. 3. Reference drawing DRS601.dwg for Boring Log data. 4. For Section Locations see dwg. no. DR9501AC							
 <b>MOFFATT &amp; NICHOL</b> ENGINEERING, INC.							ENGINEER
SYM.	DATE	BY	REVISION INFORMATION			PROJECT/TASK	APP.
A	9-25-09	RCH	ISSUE FOR CONSTRUCTION			ICDH-CP-3.52	LW
A	8-5-09	RCH	REVISED NOTES ON ALL SECTIONS ADDED RCDL MIN DEPTH			ICDH-CP-3.52	LW
A	7-8-09	RCH	ISSUE FOR BID			ICDH-CP-3.52	LW
ORIGINAL CONSTRUCTION INFORMATION							
PROJECT/TASK:		ICDH-CP-3.52	DRAWING:		ROW	7-7-09	
CHECKED:		LW	TITLE:		DREDGING SECTIONS		
APP. FOR BID:		MW	TOWN:		LUSBY, MD	COUNTY:	CALVERT
APP. FOR CONST.:		MB	CONTRACT NUMBER:		35100-I-13.2	DWG. NO.	DR 9501AC02
SCALE = 40'-0" HORIZ. 1"=4'-0" VERT.			GROUP		REV.	2	





- NOTES:
1. ALL WOOD MATERIALS WILL BE SOUTHERN PINE NO. 1 MARINE GRADE WITH A SURFACE TEXTURE DESIGNATION OF S4S. DECKING WILL BE SQUARE AL FOUR SIDES.
  2. ALL WOODEN ROUND PILES PILES WILL MEET THE SPECIFICATION FOR ASTM D25 – STANDARD SPECIFICATION FOR ROUND TIMBER PILES, AWPA C3, PRESERVATIVE TREATMENT BY PRESSURE PROCESS, AND STANDARD FOR PRESSURE TREATED MATERIAL IN MARINE CONSTRUCTION.
  3. ALL WOOD, EXPECT DECKING, WILL HAVE A MINIMUM CCA LEVEL OF 1.5 LBS/CF. DECKING WILL HAVE A CAC OF .06 LBS/CF.
  4. CONTRACTOR WILL SUBMIT A COMPLETE LIST OF EQUIPMENT PROPOSED FOR USE, INCLUDING A DESCRIPTION OF THE CHARACTERISTICS OF EACH PIECE OF DRIVING EQUIPMENT.
  5. CONTRACTOR WILL SUBMIT DATA ON TREATMENT DATA, INCLUDING CERTIFICATION BY TREATING PLANT STATING TYPE OF PRESERVATIVE SOLUTION AND PRESSURE PROCESS USED.
  6. HANDLING, STORAGE AND FIELD FABRICATION, INCLUDING TREATING CUT ENDS, SHALL BE IN ACCORDANCE WITH AWPA M4.
  7. FIELD APPLIED WOOD PRESERVATIVE: TREAT FIELD CUTS, HOLES, AND OTHER PENETRATIONS IN ACCORDANCE WITH AWPA M4.
  8. ALL WOOD PILES WITH BE DRIVEN TO THE THE DEPTH BELOW GROUND SURFACE SHOWN ON THE CONTRACT DRAWINGS.
  9. TOP 2 FEET OF PILE CAN BE JETTED TO OBTAIN ALIGNMENT. ALL PILES WILL BE DRIVEN PLUMB.
  10. CUT OFF PILES AT TOP ELEVATION SHOWN ON CONTRACT DRAWINGS. REPLACE OR REPAIR PILES WHICH ARE DAMAGED WHEN CUT OFF.
  11. PILES BROKEN UNDER DRIVING STRESS MUST BE EXTRACTED AND DISPOSED OF OFF SITE.
  12. CONTRACTOR WILL SUPPLY ALL MATERIALS, EQUIPMENT AND LABOR TO INSTALL THE WOODEN PIER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
  13. ALL FASTENERS WILL BE HOT DIPPED GALVANIZED MEETING ASTM A153.
  14. ALL DECKING WILL BE INSTALLED IN A MANNER THAT WILL PREVENT CUPPING AND COLLECTION OF MOISTURE.
  15. ADD HURRICANE STRAPS AS CODE REQUIRES.
- 5'-2"



## WOODEN PIER FRAMING PROFILE

SCALE: 3/4"=1'

[illegible]

ENGINEER

**CEBA**  
ENGINEERS ★ SURVEYORS

ENGINEERS ★ SURVEYORS