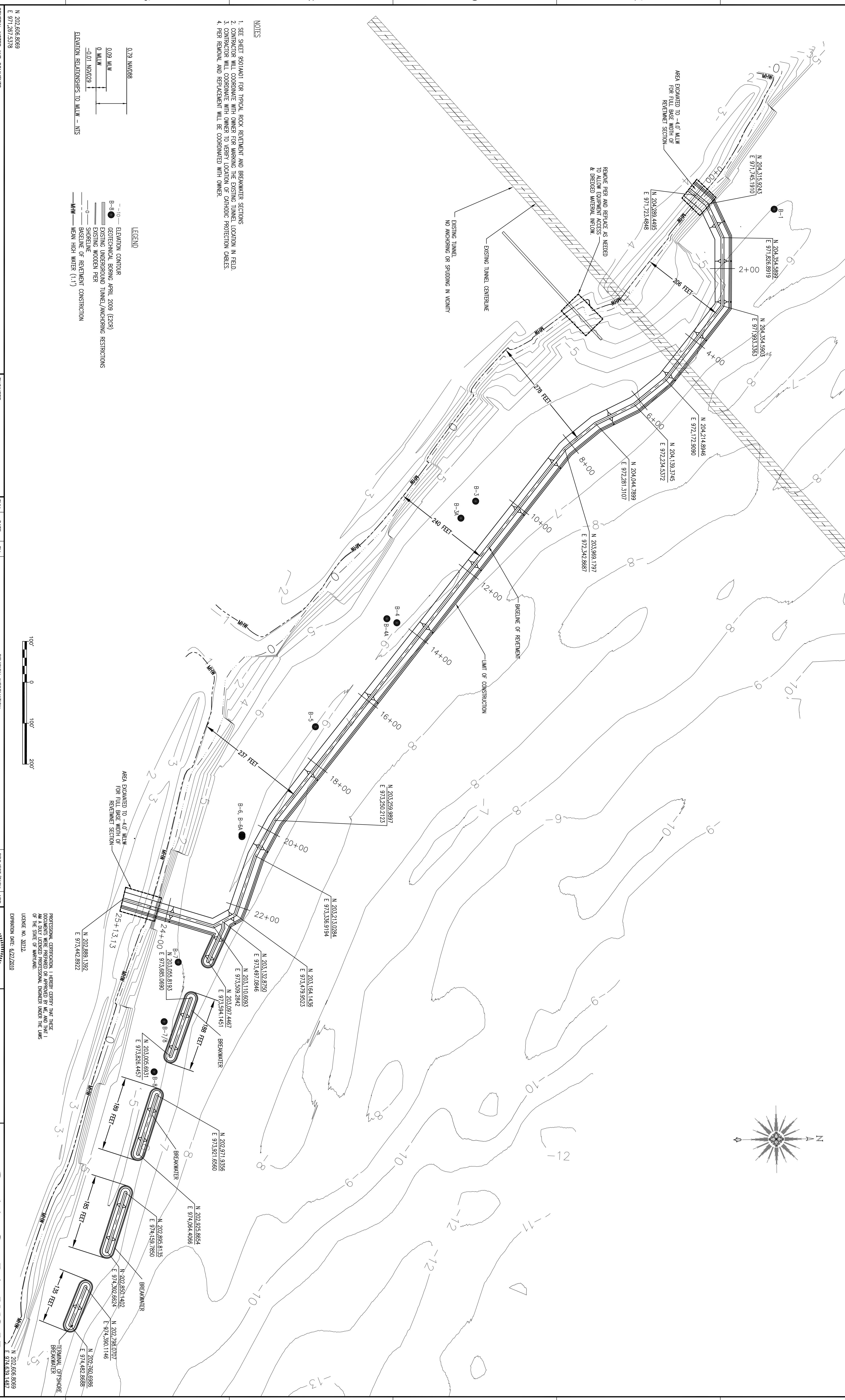


GENERAL NOTES AND COMMENTS:
 1. THIS DESIGN WAS BASED ON AERIAL PHOTOGRAPHY, SURVEY DATA, AND VISUAL INSPECTION OF THE SITE.
 2. CONTRACTOR WILL VERIFY EXISTING CONDITIONS, DIMENSIONS, MATERIALS, AND ELEVATIONS.
 3. CONTRACTOR WILL MATCH EXISTING PIER ELEVATION (APPROXIMATELY 4.8' MLLW).
 4. ALL NEW PILES DRIVEN 12" BELOW GROUND SURFACE.
 5. HORIZONTAL SURVEY DATA WAS COLLECTED USING AN ODOM ELECTRONIC WELL COLLECTOR OPERATING AT 20MM AND AN APPLICATOR SYSTEM USING GPS DATA WITH INTER GUIDANCE.

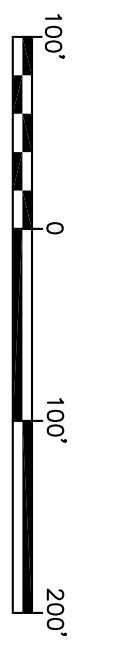
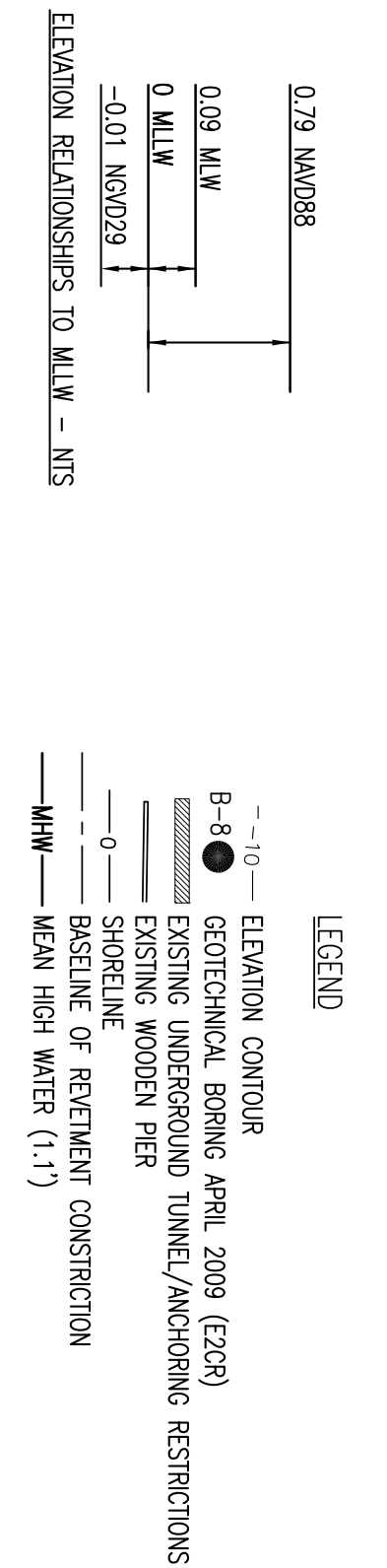
REV: JHSK	RSVP	1	2	3	4	5	6	7	8	9												
<p>ENGINEER GBA ENGINEERS ★ SURVEYORS</p>																						
<p>PROJECT/TASK 2100 Cove Point Road I Lusbj, Maryland 20657 Phone: (410) 286-5100 DOMINION COVE POINT LNG, LP PROPOSED PIER EXPANSION WOODEN PIER PLAN AND PROFILE</p>																						
<p>REVISION INFORMATION</p> <table border="1"> <thead> <tr> <th>SYNL</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>9-22-09</td> <td>TMD</td> </tr> <tr> <td>1</td> <td>7-17-09</td> <td>TMD</td> </tr> </tbody> </table>											SYNL	DATE	BY	0	9-22-09	TMD	1	7-17-09	TMD			
SYNL	DATE	BY																				
0	9-22-09	TMD																				
1	7-17-09	TMD																				
<p>ORIGINAL CONSTRUCTION INFORMATION</p> <table border="1"> <thead> <tr> <th>PROJECT/TASK</th> <th>ICDIT-CP-3.52</th> <th>7/13/09</th> </tr> </thead> <tbody> <tr> <td>DRAWN</td> <td>TMD</td> <td>7/13/09</td> </tr> <tr> <td>CHECKED</td> <td>C.G.</td> <td>7/14/09</td> </tr> <tr> <td>APP. FOR CONST.</td> <td>AS SHOWN</td> <td></td> </tr> </tbody> </table>											PROJECT/TASK	ICDIT-CP-3.52	7/13/09	DRAWN	TMD	7/13/09	CHECKED	C.G.	7/14/09	APP. FOR CONST.	AS SHOWN	
PROJECT/TASK	ICDIT-CP-3.52	7/13/09																				
DRAWN	TMD	7/13/09																				
CHECKED	C.G.	7/14/09																				
APP. FOR CONST.	AS SHOWN																					
<p>PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 30212 EXPIRATION DATE: 6/22/2010</p>																						
<p>CONTRACT NUMBER: 35100.1.13.2 DR 9501AD 0</p>																						

N 204,665,9596
E 971,267,5378

N 204,665,9596
E 974,639,1487



- NOTES**
- SEE SHEET 9501A01 FOR TYPICAL ROCK RETENMENT AND BREAKWATER SECTIONS.
 - CONTRACTOR WILL COORDINATE WITH OWNER FOR MARKING THE EXISTING TUNNEL LOCATION IN FIELD.
 - CONTRACTOR WILL COORDINATE WITH OWNER TO VERIFY LOCATION OF CATHODIC PROTECTION CABLES.
 - PER REMOVAL AND REPLACEMENT WILL BE COORDINATED WITH OWNER.



GENERAL NOTES AND COMMENTS:

- BASED ON MARPOD STATE PLAIN COORDINATE SYSTEM 1927
- VERTICAL CURVES AND GRADES FROM MARYLAND STATE PLAIN TIDAL BENCHMARK STATION B 837188
- CONTOURS WERE GENERATED FROM TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS PERFORMED ON NOVEMBER 7, 2001. LUSBY WETLAND TIDAL FLOOD IS 1983 TO 2001.
- TOPOGRAPHIC SURVEYS WERE PERFORMED USING TRIMBLE 4700S EQUIPMENT.
- HYDROGRAPHIC SURVEY DATA WAS COLLECTED USING AN OCEAN ELECTRIC WELLS EXPOSURE OPERATING AT ZONE 24 AND AN APPLIMAN PSMW SYSTEM USING GPS BPS WITH NEER GUIDANCE.

ENGINEER

GBA
ENGINEERS ★ SURVEYORS

S/NL	DATE	BY	REVISION INFORMATION
Δ	9/22/09	DCM	ISSUED FOR CONSTRUCTION
Δ	9/22/09	DCM	MODIFIED COORDINATES
Δ	6/1/09	DCM	ISSUE FOR BID
Δ	5/6/09	DCM	ISSUE FOR BID
Δ	4/22/09	DCM	ISSUE FOR BID
Δ	4/2/09	DCM	ISSUE FOR BID

PROFESSIONAL SEAL

STATE OF MARYLAND
MICHAEL DOWNS
REGISTERED PROFESSIONAL ENGINEER
No. 30121

ORIGINAL CONSTRUCTION INFORMATION

PROJECT/TASK	ICD#	DATE
PROJECT/TASK	ICD#-CP-3.52	9/18/09
DRAWN:	DCM	9/21/09
CHECKED:	TND	
APP. FOR BID:		
APP. FOR CONST.:		

Dominion Cove Point LNG, LP

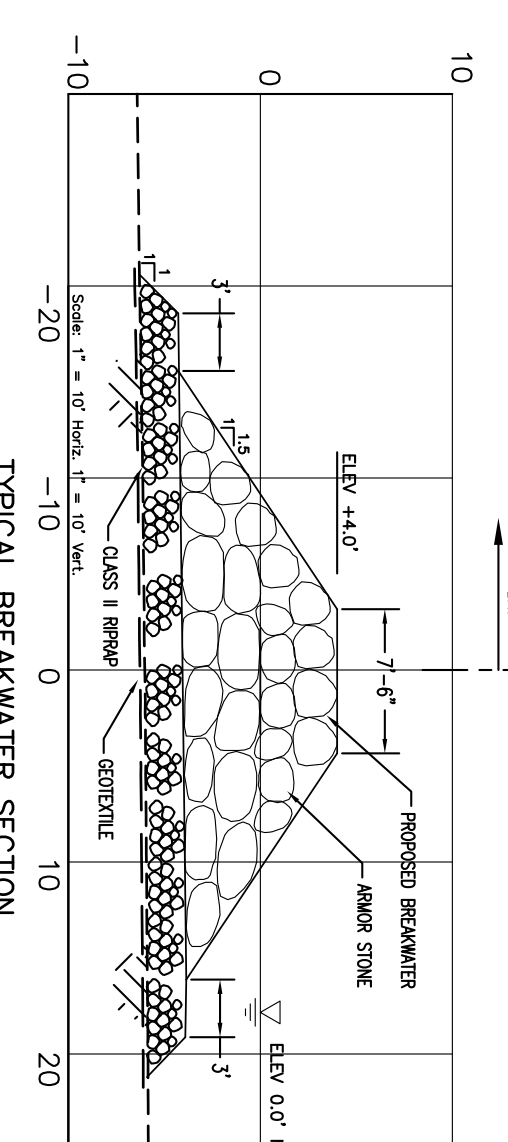
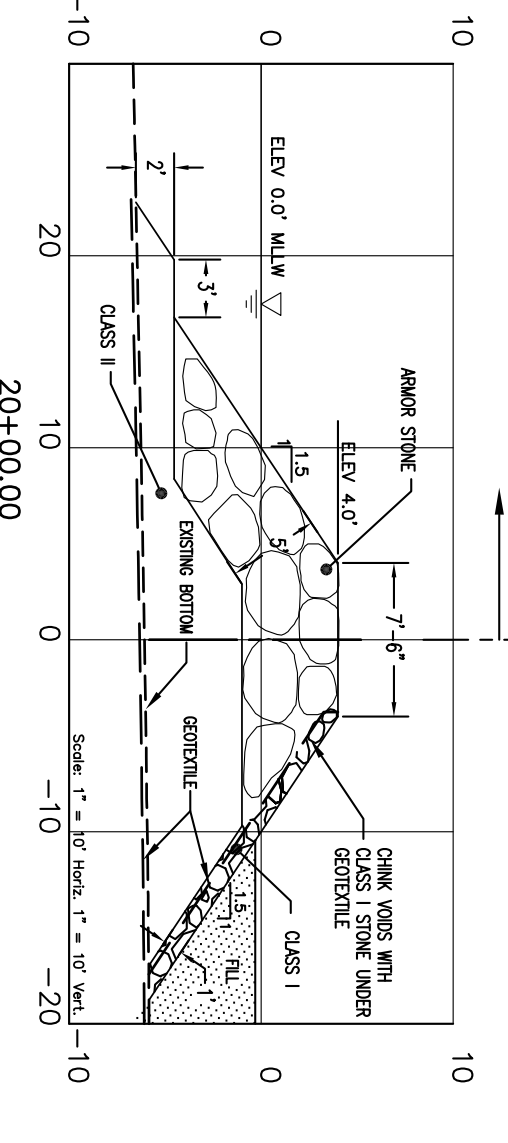
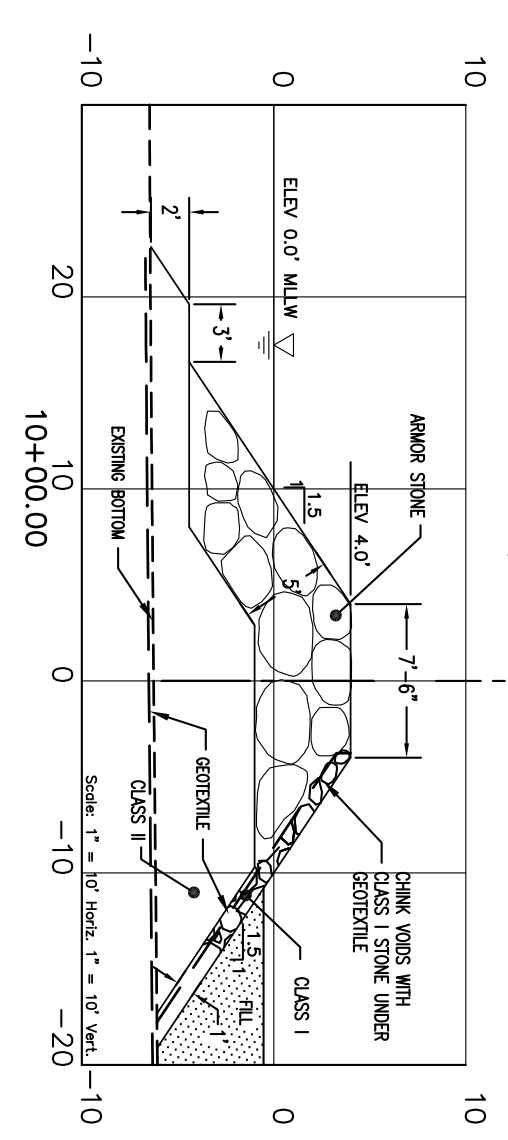
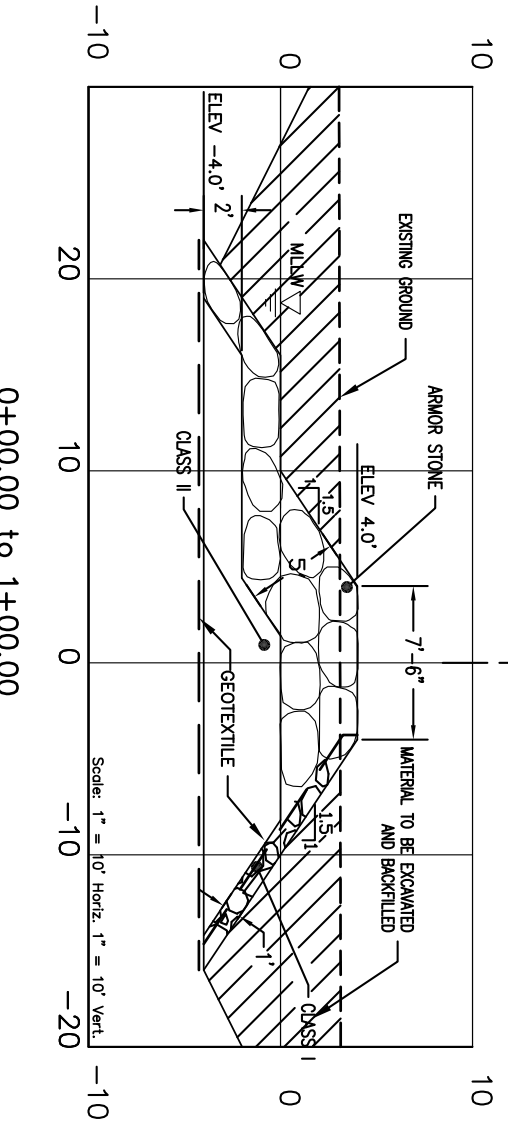
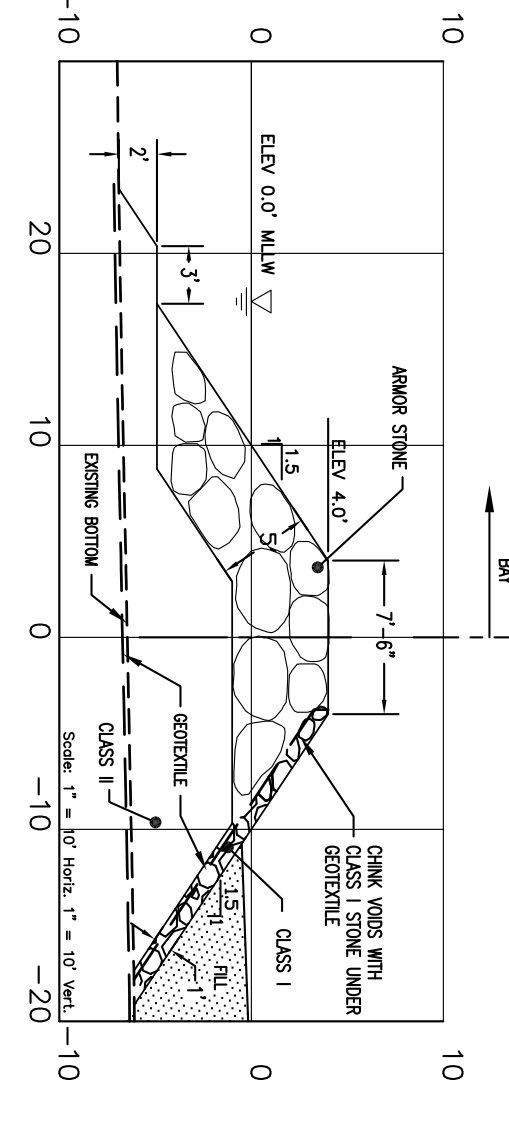
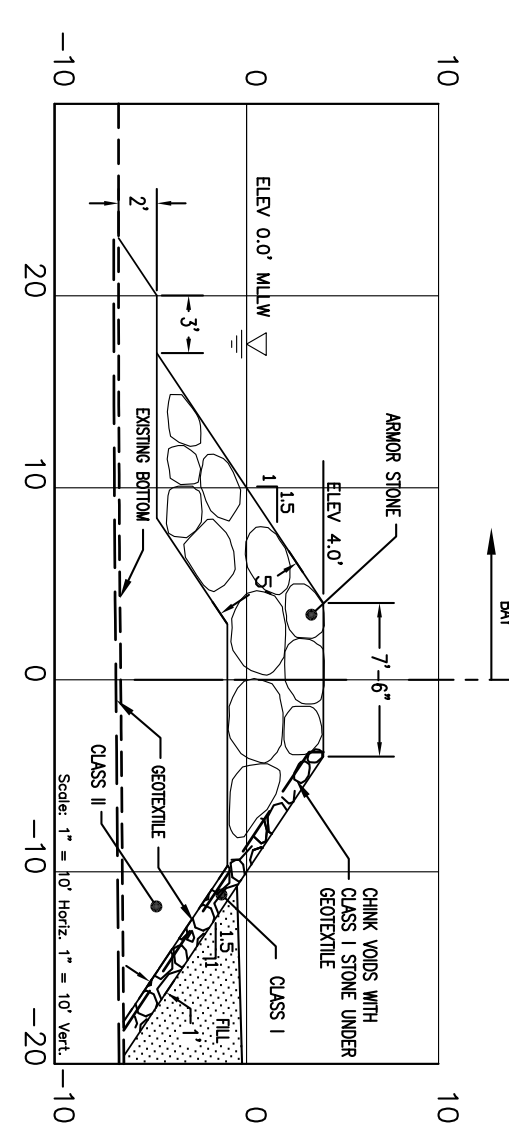
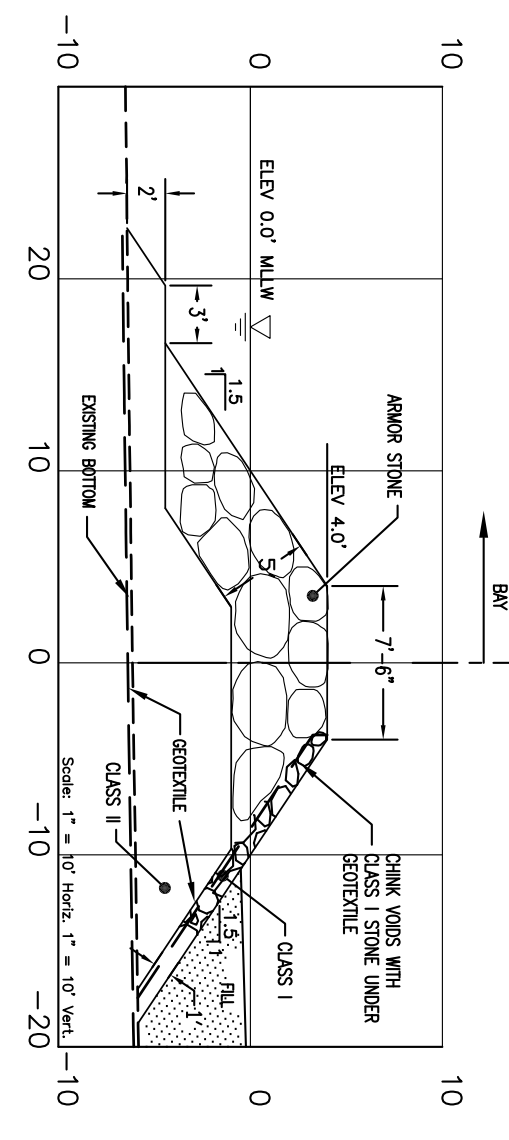
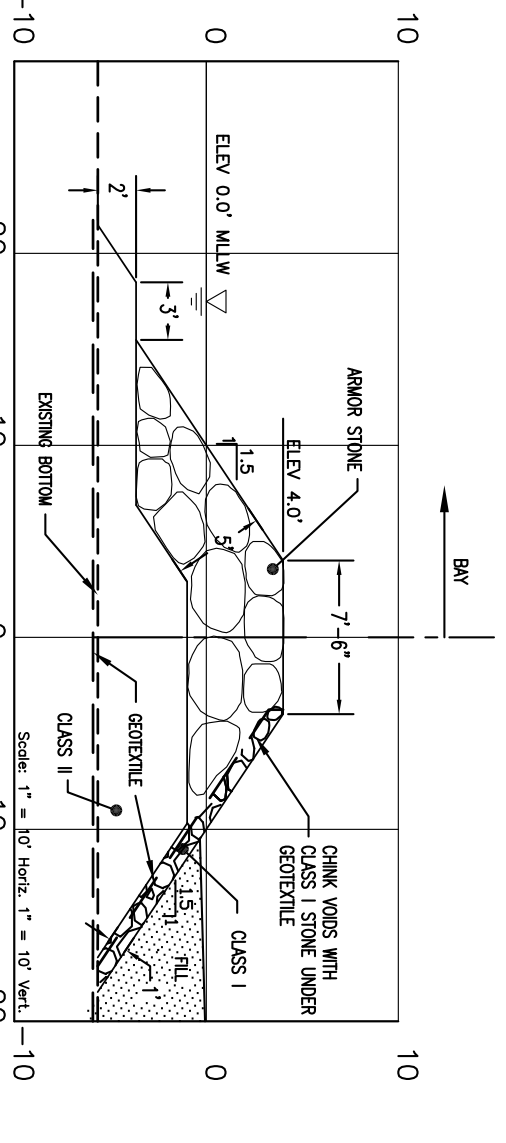
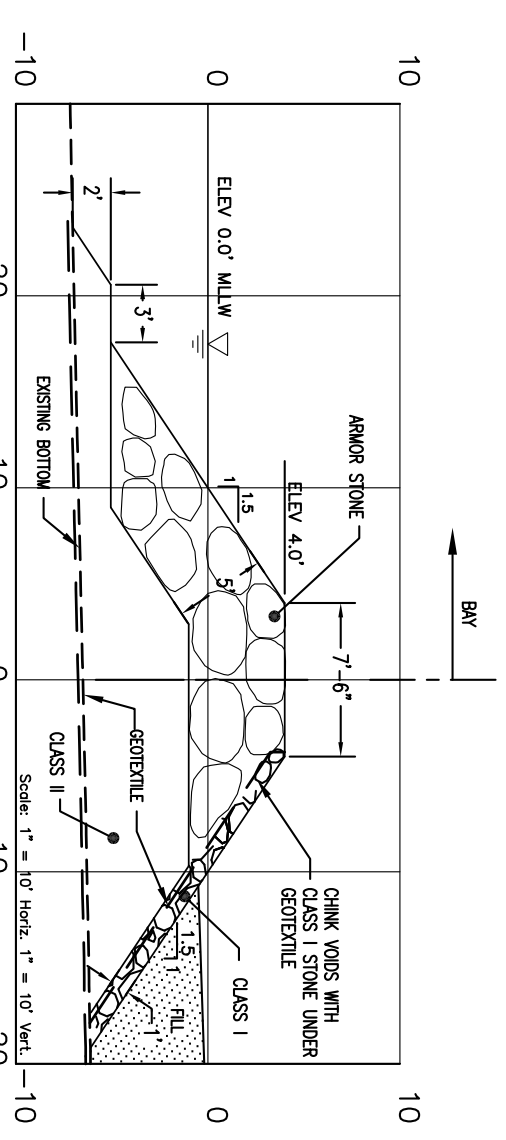
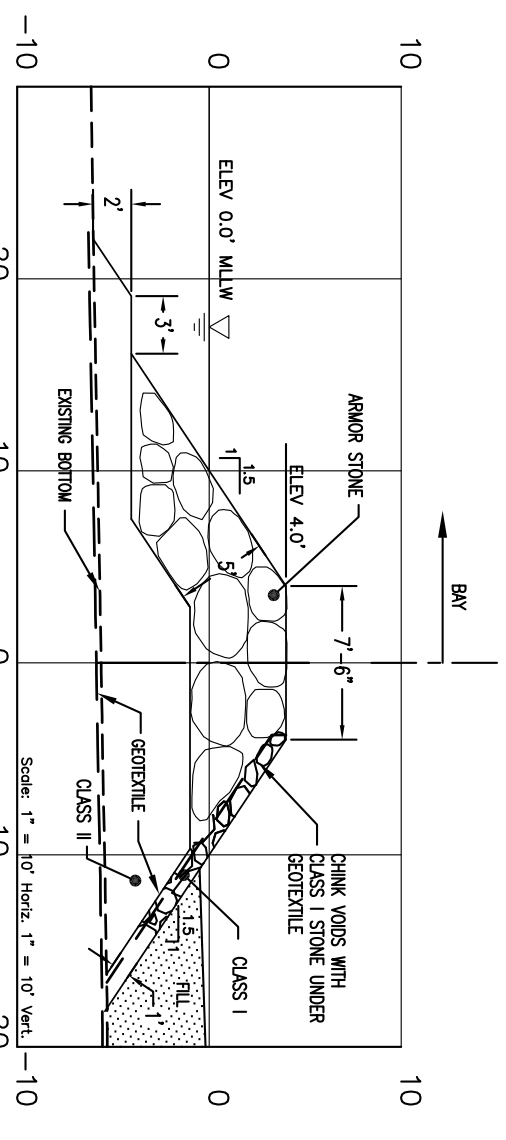
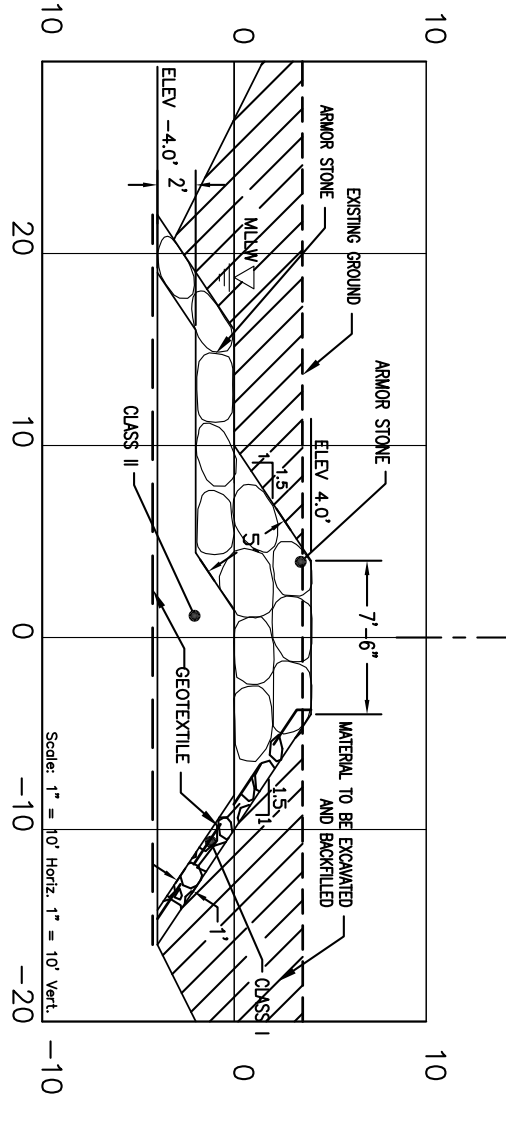
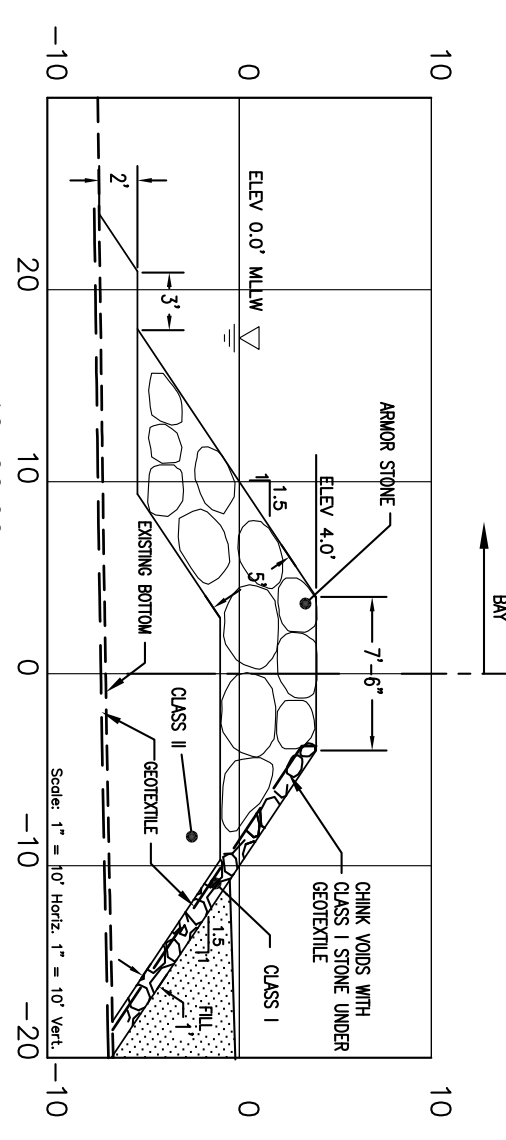
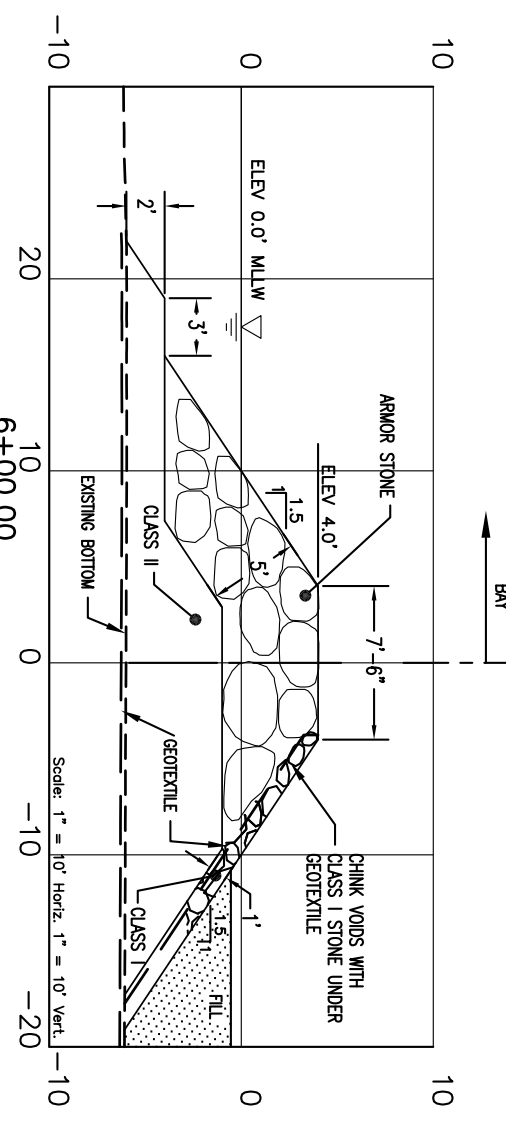
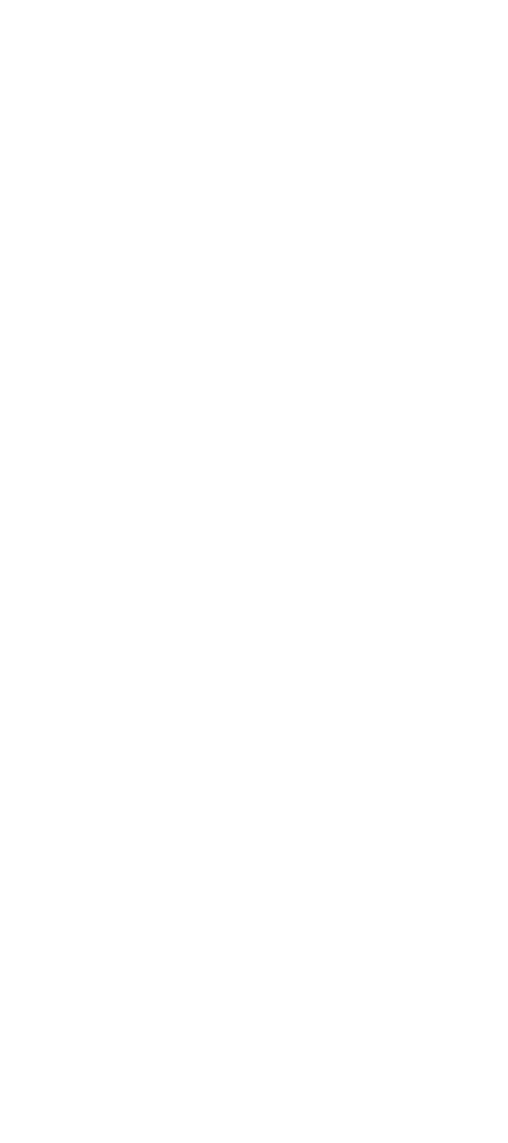
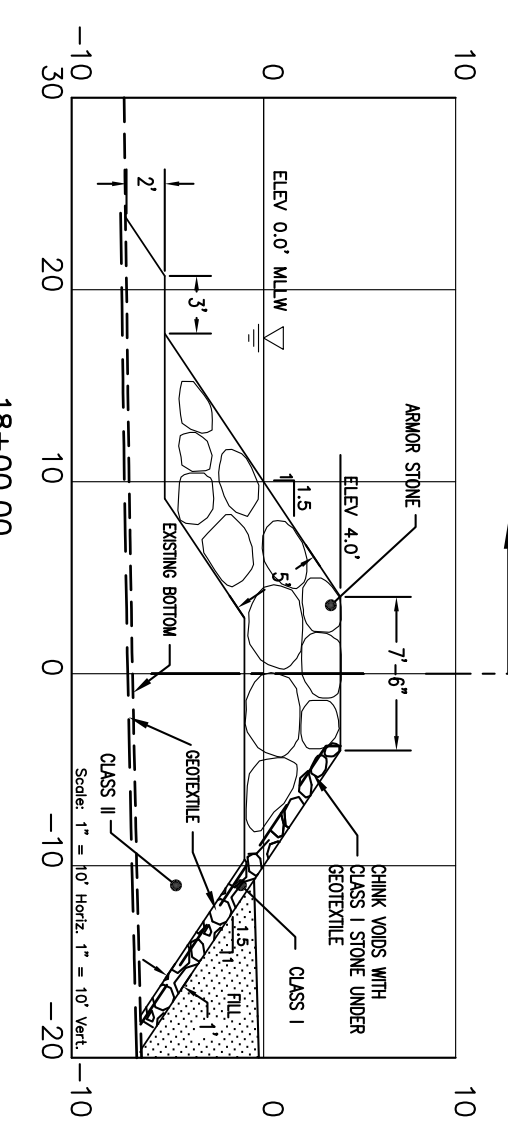
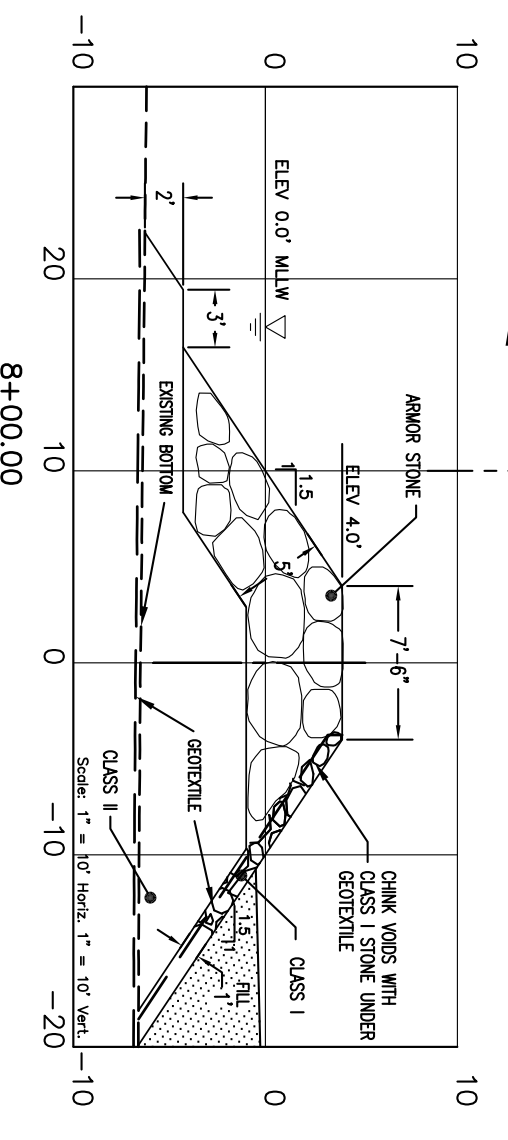
2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 286-5100

DOMINION COVE POINT LNG, LP

PROPOSED RETENMENT GEOMETRIC LAYOUT

TOWN: LUSBY, MD COUNTY: CALVERT

DR 9501AA



STONE - RIP RAP CLASS II		
WEIGHT	PERCENTAGE OF TOTAL WEIGHT	
HEAVIER THAN 200 LB	50	
HEAVIER THAN 200 LB	50	
LESS THAN 20 LB	10 MAX	

STONE - RIP RAP CLASS I		
WEIGHT	PERCENTAGE OF TOTAL WEIGHT	
HEAVIER THAN 150 LB	50	
HEAVIER THAN 40 LB	50	
LESS THAN 2 LB	10 MAX	

STONE - ARMOR STONE		
WEIGHT	PERCENTAGE OF TOTAL WEIGHT	
HEAVIER THAN 4,000 LB	0	
HEAVIER THAN 2,500 LB	50	
LESS THAN 1,500 LB	10 MAX	

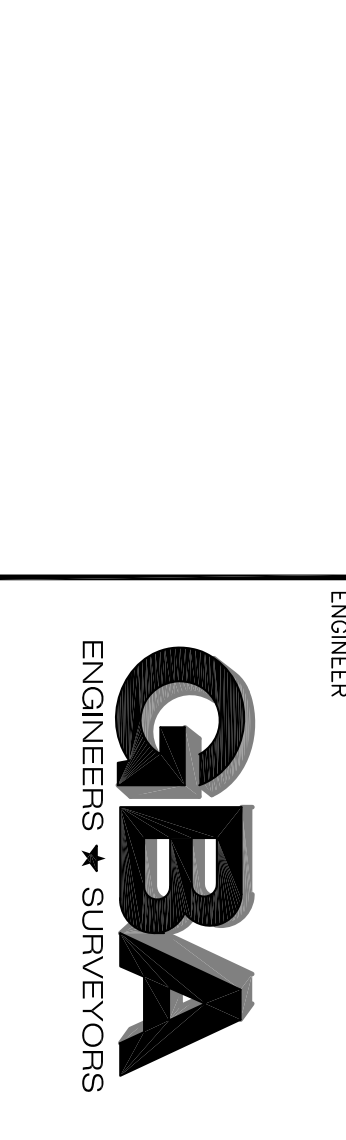
GENERAL NOTES AND COMMENTS:
 1. SLOPE BASED ON WYOMING STATE CORROSION SYSTEM #22
 2. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED
 3. CONTOURS WERE GENERATED FROM TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS PERFORMED ON NOVEMBER 7, 2009
 4. TOPOGRAPHIC SURVEY DATA WAS COLLECTED USING AN OCEAN ELECTRONIC WELL EQUIPPED OPERATING AT ZONE 18 AND AN APPLANT POSING SYSTEM USING DGPS WITH NEER CORRECTION.

SYMBOL	DATE	BY	REVISION INFORMATION
0	9/22/09	DCM	ISSUE FOR CONSTRUCTION
1	6/1/09	DCM	ISSUE FOR BID
2	5/6/09	DCM	ISSUE FOR BID
3	4/22/09	DCM	ISSUE FOR BID
4	4/22/09	DCM	ISSUE FOR BID

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 80212
 EXPIRATION DATE: 6/22/2010

ORIGINAL CONSTRUCTION INFORMATION	
PROJECT/TASK	ICD1-CP-3.52
DRAWN	DCM
CHECKED	TND
APP. FOR BID	6/5/09
APP. FOR CONST.	
SCALE:	1"=10'-0"

Dominion Cove Point LNG, LP
 2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 266-5100
DOMINION COVE POINT LNG, LP
PROPOSED REVETMENT DIKE SECTIONS
 TOWN: LUSBY, MD COUNTY: CALVERT GROUP: DR DWG. NO. 9501AA01 REV.

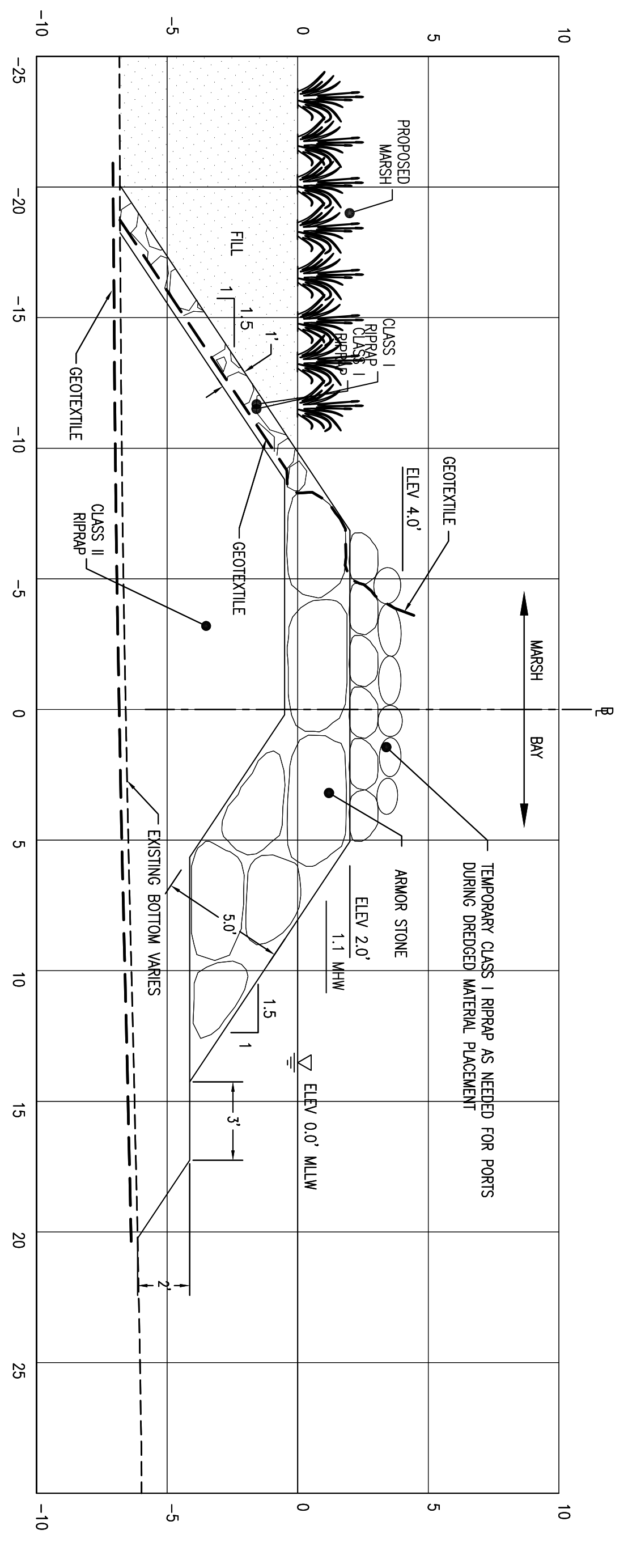


SYMBOL	DATE	BY	REVISION INFORMATION
0	9/22/09	DCM	ISSUE FOR CONSTRUCTION
1	6/1/09	DCM	ISSUE FOR BID
2	5/6/09	DCM	ISSUE FOR BID
3	4/22/09	DCM	ISSUE FOR BID
4	4/22/09	DCM	ISSUE FOR BID

ORIGINAL CONSTRUCTION INFORMATION	
PROJECT/TASK	ICD1-CP-3.52
DRAWN	DCM
CHECKED	TND
APP. FOR BID	6/5/09
APP. FOR CONST.	
SCALE:	1"=10'-0"

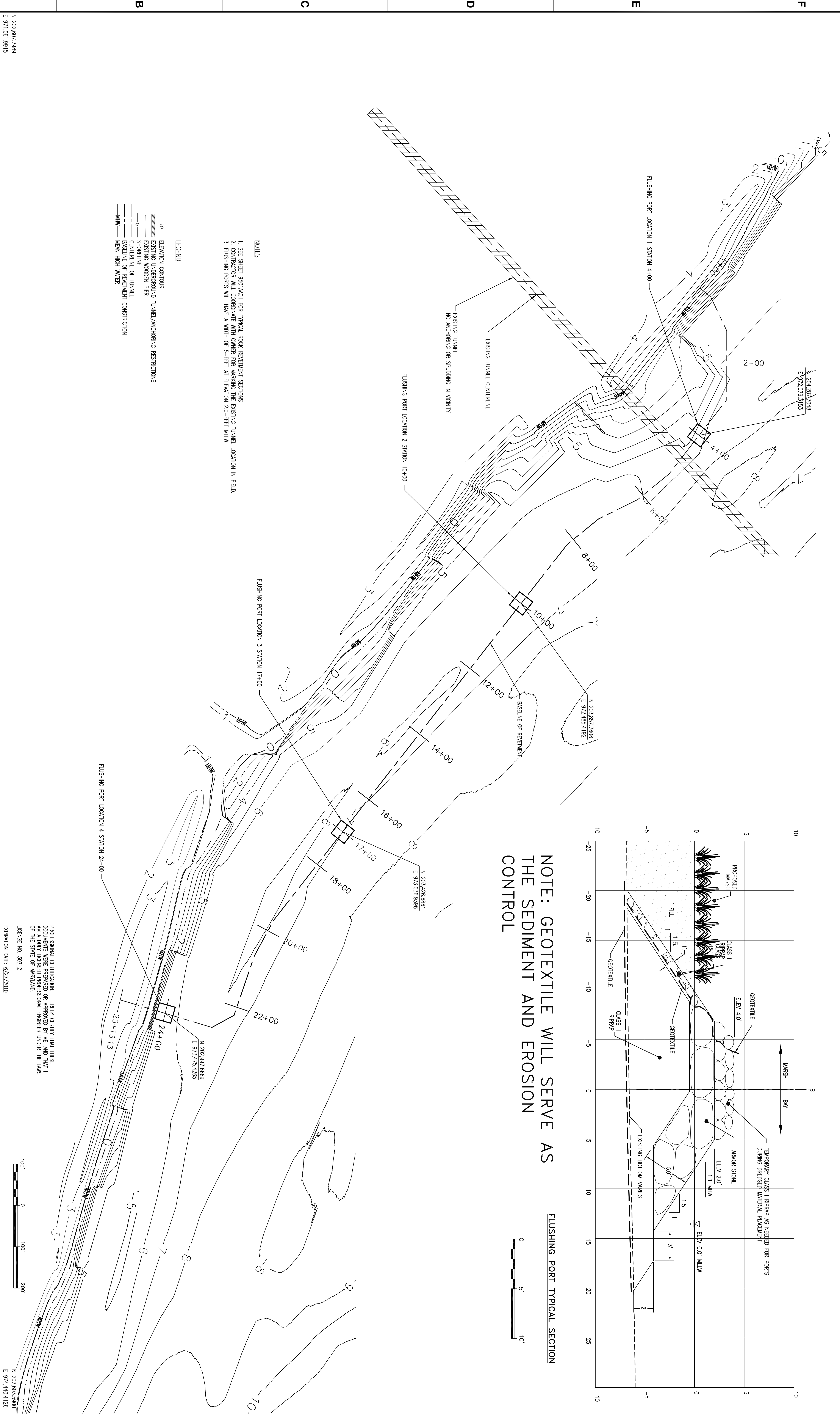
Dominion Cove Point LNG, LP
 2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 266-5100
DOMINION COVE POINT LNG, LP
PROPOSED REVETMENT DIKE SECTIONS
 TOWN: LUSBY, MD COUNTY: CALVERT GROUP: DR DWG. NO. 9501AA01 REV.

Dominion Cove Point LNG, LP
 2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 266-5100
DOMINION COVE POINT LNG, LP
PROPOSED REVETMENT DIKE SECTIONS
 TOWN: LUSBY, MD COUNTY: CALVERT GROUP: DR DWG. NO. 9501AA01 REV.



NOTE: GEOTEXTILE WILL SERVE AS THE SEDIMENT AND EROSION CONTROL

FLUSHING PORT TYPICAL SECTION



- NOTES**
1. SEE SHEET 8910A01 FOR TYPICAL ROCK RETAINMENT SECTIONS.
 2. CONTRACTOR WILL COORDINATE WITH OWNER FOR MARKING THE EXISTING TUNNEL LOCATION IN FIELD.
 3. FLUSHING PORTS WILL HAVE A WIDTH OF 5-FEET AT ELEVATION 2.0'-FEET M.L.W.

- LEGEND**
- 0--- ELEVATION CONTOUR
 - EXISTING UNDERGROUND TUNNEL/ANCHORING RESTRICTIONS
 - EXISTING WOODEN PIER
 - SHORELINE
 - SHORELINE OF TUNNEL
 - BASELINE OF RETIREMENT CONSTRUCTION
 - MHW MEAN HIGH WATER

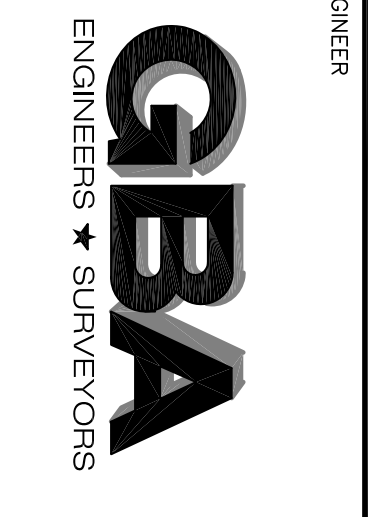
N 202,807,2989
E 971,061,9915

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 30712
EXPIRATION DATE: 6/22/2010

N 202,803,5900
E 974,440,4126

GENERAL NOTES AND COMMENTS:

1. DATA BASED ON MARYLAND STATE PLAIN COORDINATE SYSTEM 1972.
2. BENCHMARK STATION ID: 8577188. USGS POINT NUMBER: 16M00100.
3. CONTOURS WERE GENERATED FROM TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS PERFORMED ON NOVEMBER 7, AND 9, 2008 RESPECTIVELY.
4. TOPOGRAPHIC SURVEYS WERE PERFORMED USING TRIMBLE RTK DGPS EQUIPMENT.
5. HYDROGRAPHIC SURVEYS WERE PERFORMED USING AN ODOM ECHOSAC W/EL ECHOSOUNDER OPERATING AT 200KHZ AND AN APPLANIC FROM SYSTEM USING USGS DGPS WITH INERTIAL GUIDANCE.



S/NL	DATE	BY	REVISION INFORMATION
A	9/22/09	DCM	ISSUED FOR CONSTRUCTION
E	9/18/09	DCM	REVISED COORDINATES
D	6/1/09	DCM	ISSUE FOR BID
C	5/6/09	DCM	ISSUE FOR BID
B	4/22/09	DCM	ISSUE FOR BID
A	4/2/09	DCM	ISSUE FOR BID

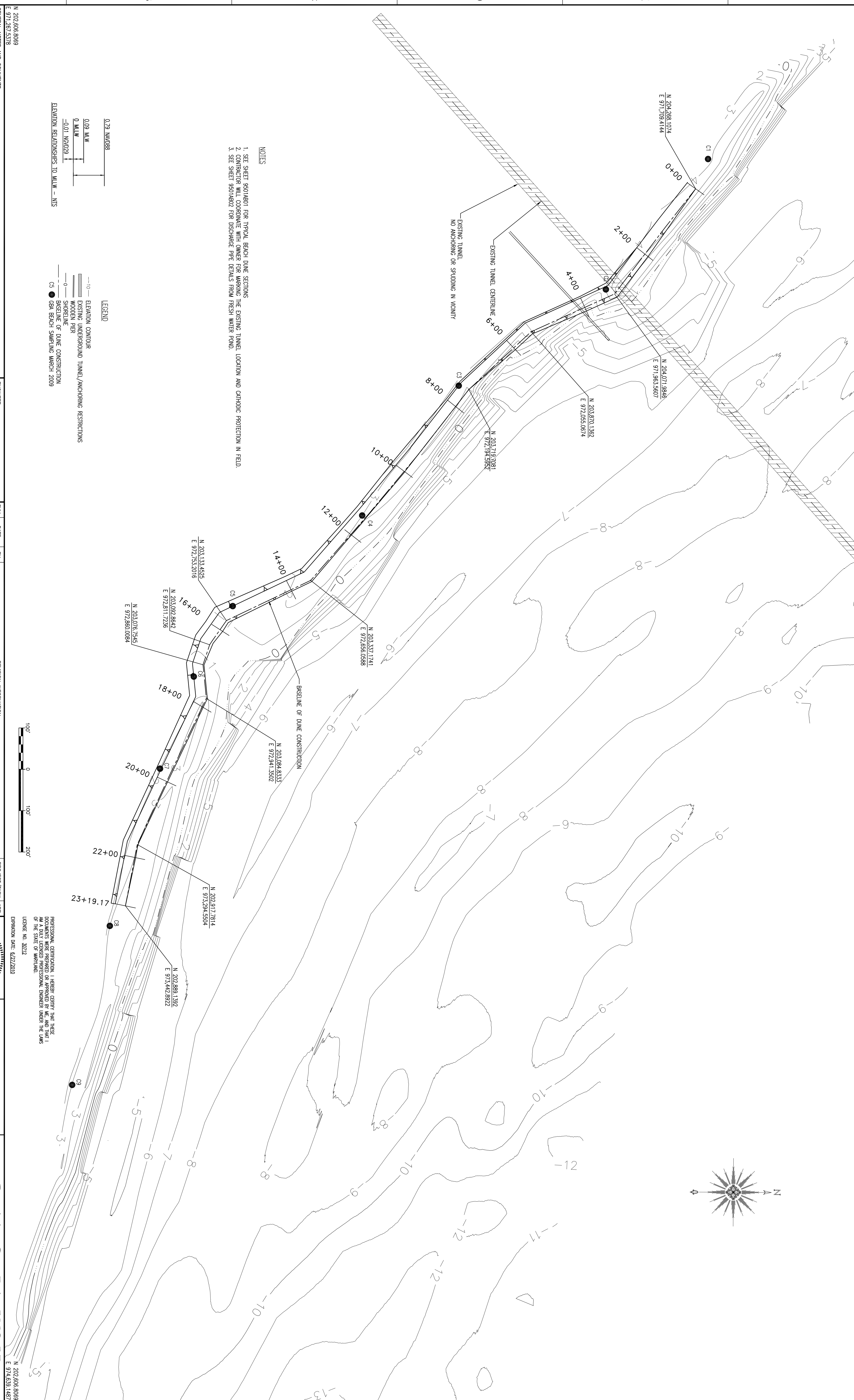
PROJECT/TASK	APP.
ICD11-CP-3.52	TND
ICD11-CP-3.52	TND
ICD11-CP-3.52	TND
ICD11-CP-3.52	TND
ICD11-CP-3.52	TND
ICD11-CP-3.52	TND

ORIGINAL CONSTRUCTION INFORMATION	
PROJECT/TASK	ICD11-CP-3.52
DRAWN	9/18/09
CHECKED	9/21/09
APP. FOR CONSTRUCTION	
APP. FOR BID	
SCALE	AS SHOWN

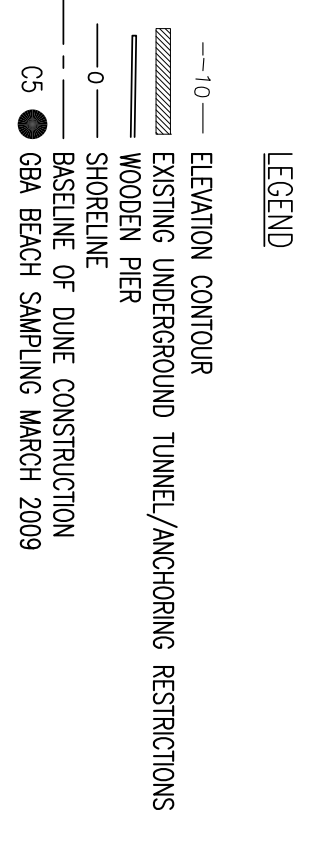
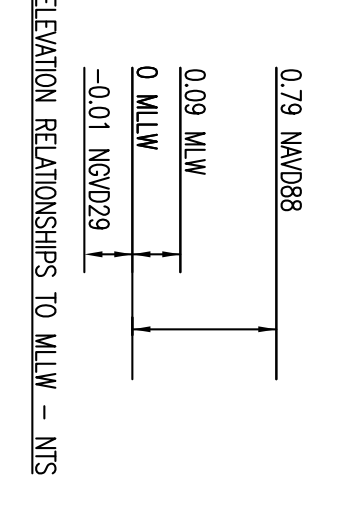
Dominion Cove Point LNG, LP
2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 266-5100
DOMINION COVE POINT LNG, LP
PROPOSED REVELTMENT WEIR DETAILS
TOWN: LUSBY, MD COUNTY: CALVERT GROUP: DR DRG. NO.: 9501AA02 REV.

N 204,685,9596
E 971,261,5378

N 204,685,9596
E 974,639,1487



- NOTES**
1. SEE SHEET 9501AB01 FOR TYPICAL BEACH DUNE SECTIONS
 2. CONTRACTOR WILL COORDINATE WITH OWNER FOR MARKING THE EXISTING TUNNEL LOCATION AND CATHODIC PROTECTION IN FIELD.
 3. SEE SHEET 9501AB02 FOR DISCHARGE PIPE DETAILS FROM FRESH WATER POND.



N 202,806,8089
E 971,267,5378

GENERAL NOTES AND COMMENTS:

1. GBA BASED ON MARINE SURVEY CORRECTION SYSTEM 1927
2. ALL ELEVATIONS ARE TO MEAN LOWER LOW WATER (MLLW) BASED ON TIDE BENCHMARK STATION B 837788 LUSBY, MARYLAND. TIDAL STAGE IS 1983 TO 2001.
3. CONTOURS WERE GENERATED FROM TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS PERFORMED ON NOVEMBER 7, 2009.
4. TOPOGRAPHIC SURVEYS WERE PERFORMED USING TRIMBLE RIK GPS EQUIPMENT.
5. HYDROGRAPHIC SURVEY DATA WAS COLLECTED USING AN OCEAN ELECTRIC WELLS ENGINEERING OPERATING AT 200MHZ AND AN APPLANT PDSM SYSTEM USING USCG DOPS WITH NEER CHANNEL.

ENGINEER	DATE	BY	REVISION INFORMATION
	9/22/09	DCM	ISSUED FOR CONSTRUCTION
	9/18/09	DCM	REVISED COORDINATES
	6/1/09	DCM	ISSUE FOR BID
	5/6/09	DCM	ISSUE FOR BID
	4/22/09	DCM	ISSUE FOR BID

PROJECT/TASK	APP.
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD

PROJECT/TASK	APP.
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD

PROJECT/TASK	APP.
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD

PROJECT/TASK	APP.
ICD1-CP-3.52	TMD
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PROJECT/TASK	APP.
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ICD1-CP-3.52	TMD

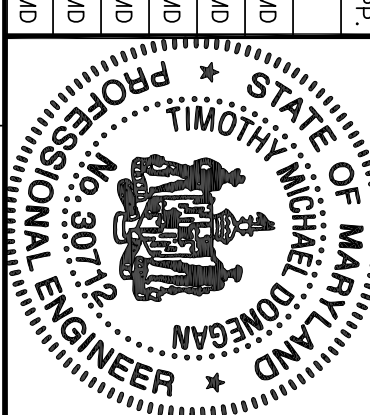
PROJECT/TASK	APP.
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD

PROJECT/TASK	APP.
ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 30212

EXPIRATION DATE: 6/27/2010



2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 286-5100

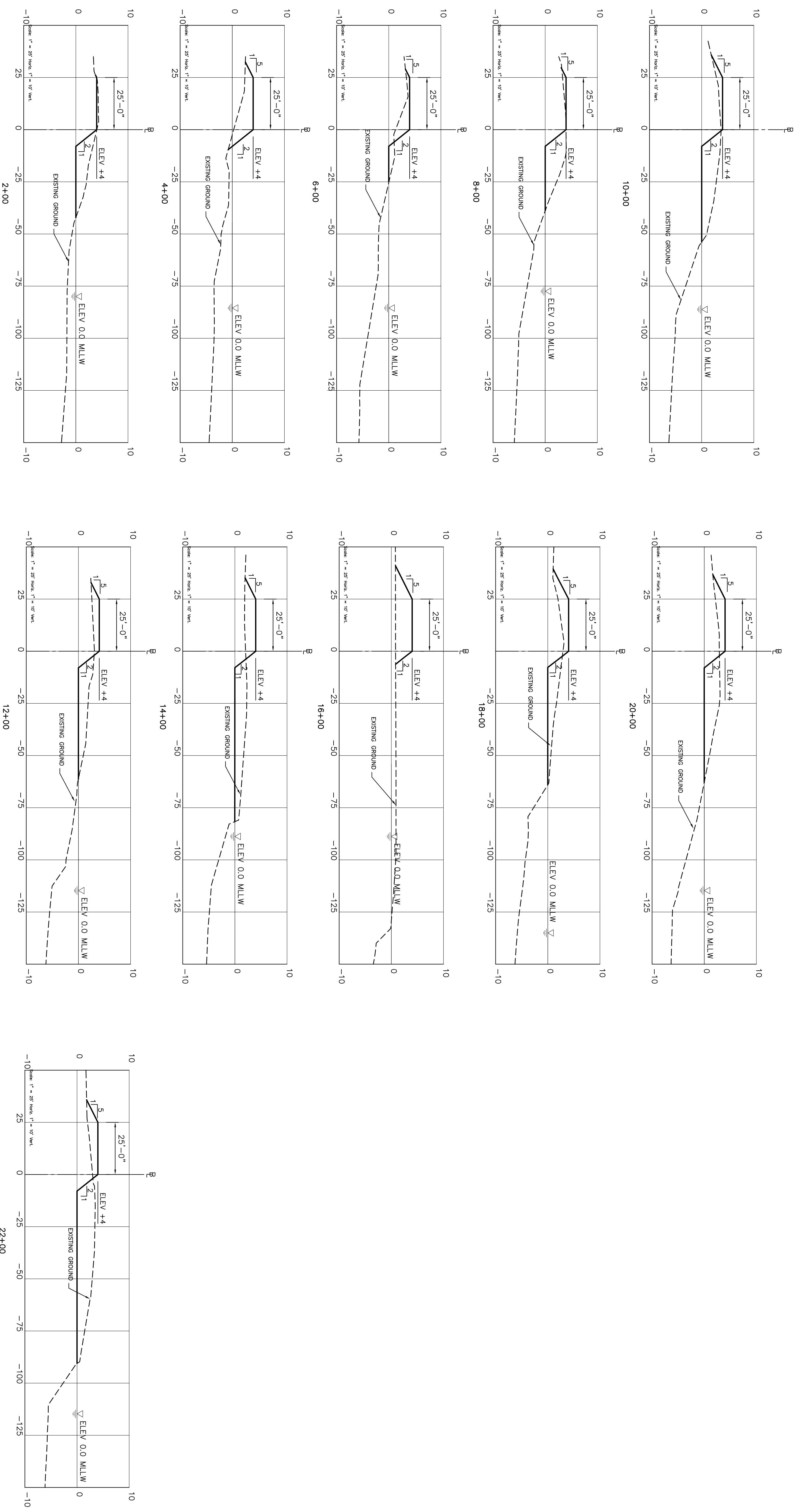
Dominion Cove Point LNG, LP

DOMINION COVE POINT LNG, LP

PROPOSED BEACH DUNE GEOMETRIC LAYOUT

TOWN: LUSBY, MD COUNTY: CALVERT

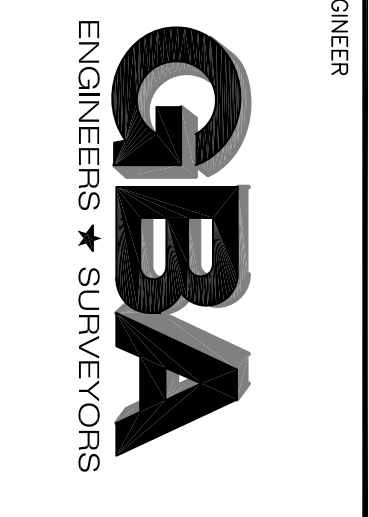
DR 9501AB



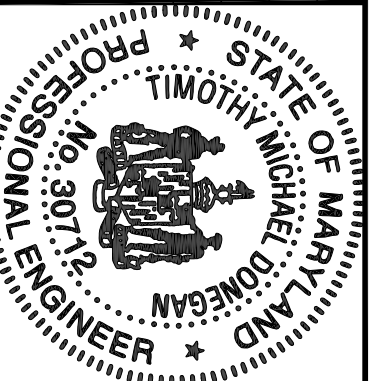
LEGEND
 ——— PROPOSED TEMPLATE
 - - - - - EXISTING GROUND NOV. 7 & 9, 2008

GENERAL NOTES AND COMMENTS:

1. GRID BASED ON WORKING STATE DATA CORRECTION SYSTEM 1927
2. ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.
3. CONTOURS WERE GENERATED FROM TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS PERFORMED ON NOVEMBER 7, 2008.
4. TOPOGRAPHIC SURVEYS WERE PERFORMED USING TRIMBLE 4700S EQUIPMENT.
5. HYDROGRAPHIC SURVEY DATA WAS COLLECTED USING AN OCEAN ELECTRONIC WELLS EXHOSUNDER OPERATING AT 200KHZ AND AN APPLIAN PSMW SYSTEM USING USGS GPS WITH INTER-GALAXE.



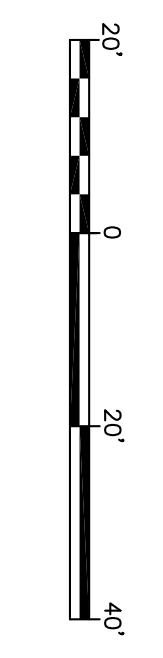
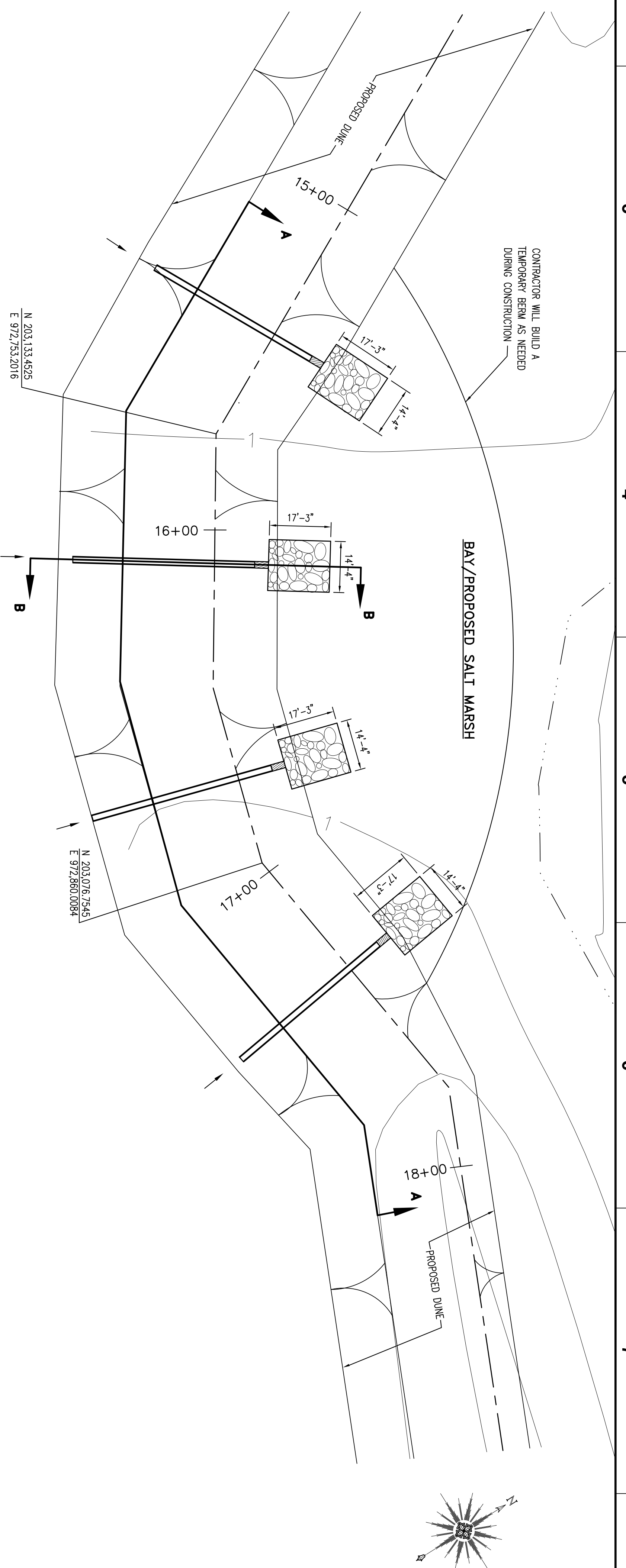
S/N	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.
0	9/22/09	DCM	ISSUE FOR CONSTRUCTION	ICD1-CP-3.52	TMD
1	6/1/09	DCM	ISSUE FOR BID	ICD1-CP-3.52	TMD
2	5/6/09	DCM	ISSUE FOR BID	ICD1-CP-3.52	TMD
3	4/22/09	DCM	ISSUE FOR BID	ICD1-CP-3.52	TMD
4	4/22/09	DCM	ISSUE FOR BID	ICD1-CP-3.52	TMD



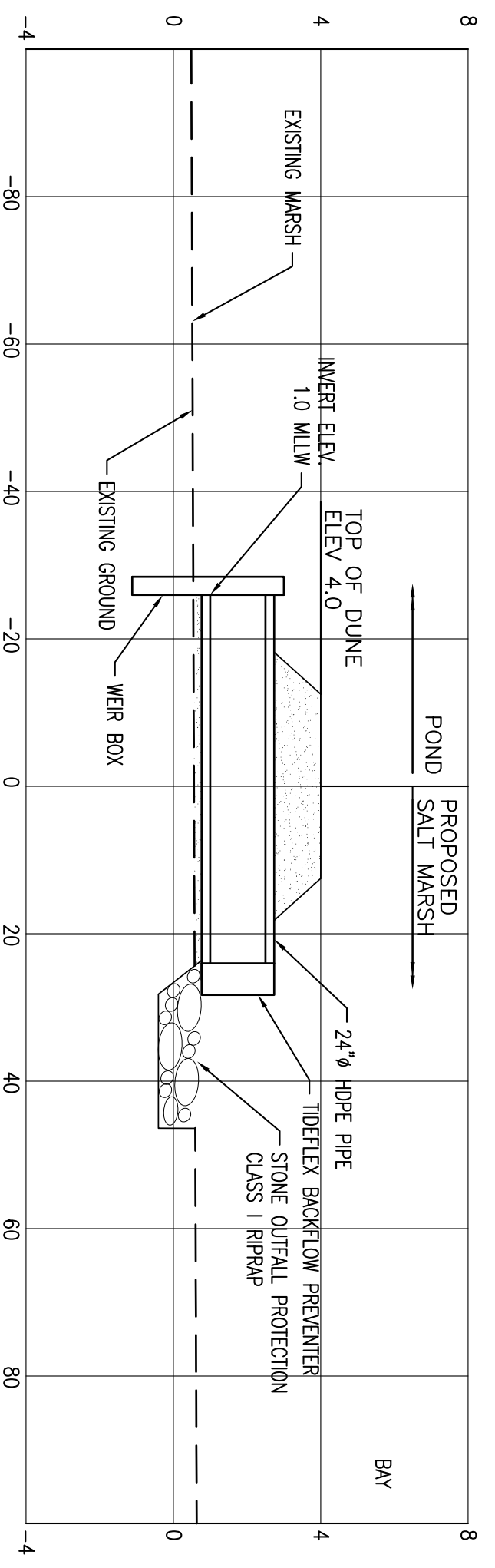
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR SUPERVISED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 30719
 EXPIRATION DATE: 6/22/2010

ORIGINAL CONSTRUCTION INFORMATION	
PROJECT/TASK:	ICD1-CP-3.52
DRAWN:	DCM
CHECKED:	TMD
APP. FOR BID:	6/5/09
APP. FOR CONST.:	
SCALE:	1" = 25'-0"

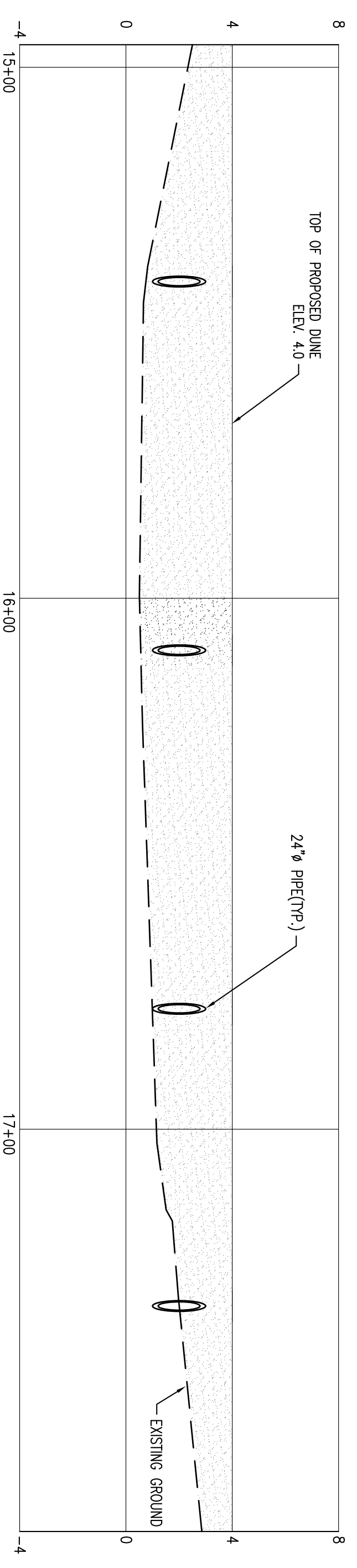
Dominion Cove Point LNG, LP
 2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 286-5100
DOMINION COVE POINT LNG, LP
PROPOSED REVELTMENT BEACH DUNE SECTIONS
 TOWN: LUSBY, MD COUNTY: CALVERT GROUP: DR DWG. NO. 9501AB01 REV.



20'
0
20'
40'
MARSH
POND
PLAN VIEW



SECTION B-B
SCALE: H: 1"=20'
SCALE: V: 1"=4'



SECTION A-A
SCALE: H: 1"=20'
SCALE: V: 1"=4'

PROFESSIONAL CERTIFICATION: 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. 30122
EXPIRATION DATE: 4/27/2010

GENERAL NOTES AND COMMENTS:
1. GRID BASED ON MARYLAND STATE COORDINATE SYSTEM 1827
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES. SEE PLAN FOR TYPICAL BENCHMARK STATION IS 8827188
3. CONTOURS WERE GENERATED FROM TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS PERFORMED ON NOVEMBER 7, 1997, MARYLAND. TYPICAL SPACING IS 10 FEET TO 20 FEET.
4. TOPOGRAPHIC SURVEYS WERE PERFORMED USING TRIMBLE 4700 GPS EQUIPMENT.
5. HYDROGRAPHIC SURVEY DATA WAS COLLECTED USING AN OCEAN ELECTRONIC WELLS ECO-SOUNDER OPERATING AT 200KHZ AND AN APPLIXANT POSITION SYSTEM USING GPS WITH NEAR ORBITAL CORRECTION.
ZONING AND AN APPLICANT POSITION SYSTEM USING GPS WITH NEAR ORBITAL CORRECTION.

SYMBOL	DATE	BY	REVISION INFORMATION
△	9/22/09	DCM	ISSUE FOR CONSTRUCTION
△	9/18/09	DCM	REVISED COORDINATES
△	6/1/09	DCM	ISSUE FOR BID
△	5/6/09	DCM	ISSUE FOR BID
△	4/22/09	DCM	ISSUE FOR BID
△	4/2/09	DCM	ISSUE FOR BID

PROJECT/TASK	APP.	DATE
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09

PROJECT/TASK	APP.	DATE
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09
ICD11-CP-3.52	TND	9/18/09

Dominion Cove Point LNG, LP
2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 266-5100

DOMINION COVE POINT LNG, LP
PROPOSED REVETMENT
BEACH DUNE PIPE SECTION

TOWN: LUSBY, MD COUNTY: CALVERT
GROUP: DR DMC. NO: 9501AB02
CONTRACT NUMBER: 35100.1.13.2

ENGINNER
GBA
ENGINEERS ★ SURVEYORS

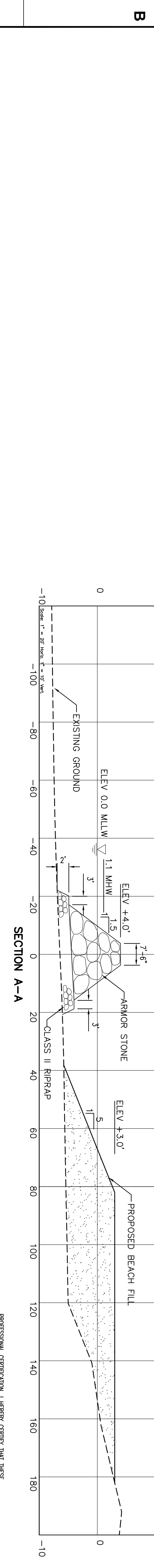
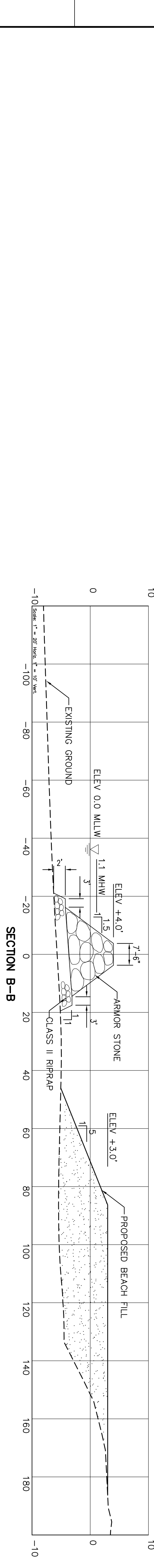
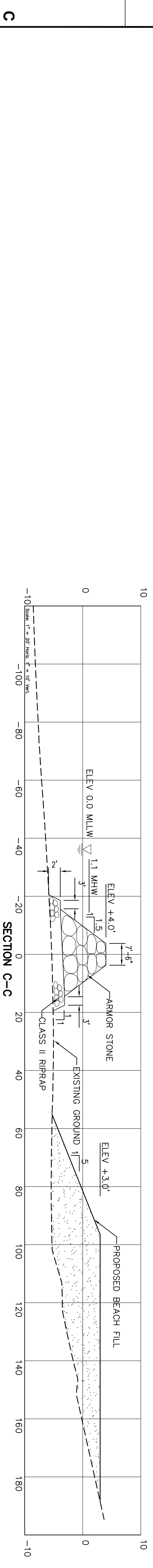
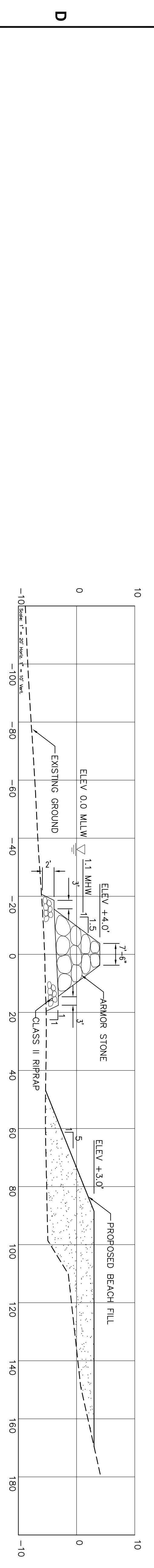
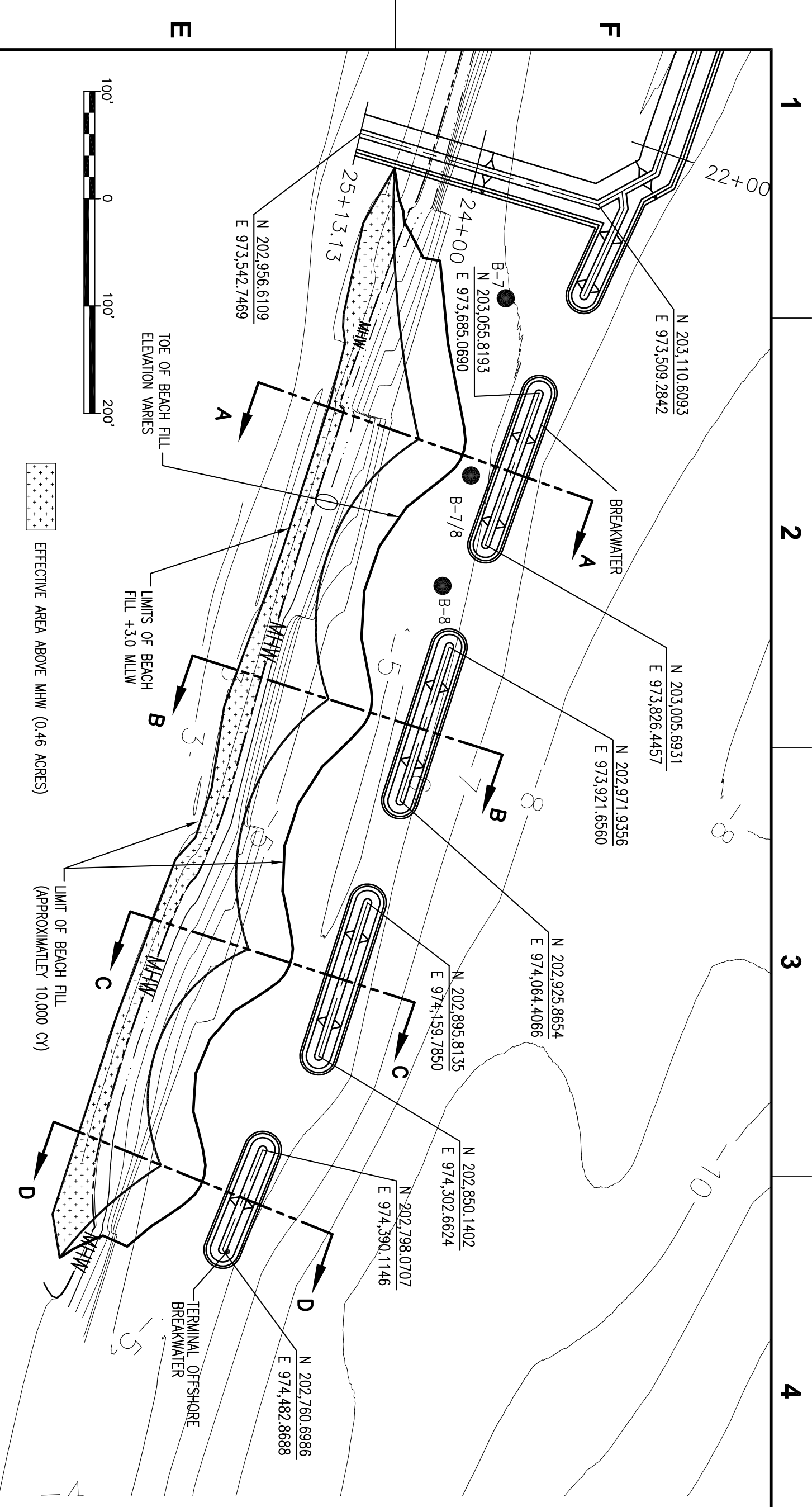
1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 30212
 EXPIRATION DATE: 6/22/2018

GENERAL NOTES AND COMMENTS:

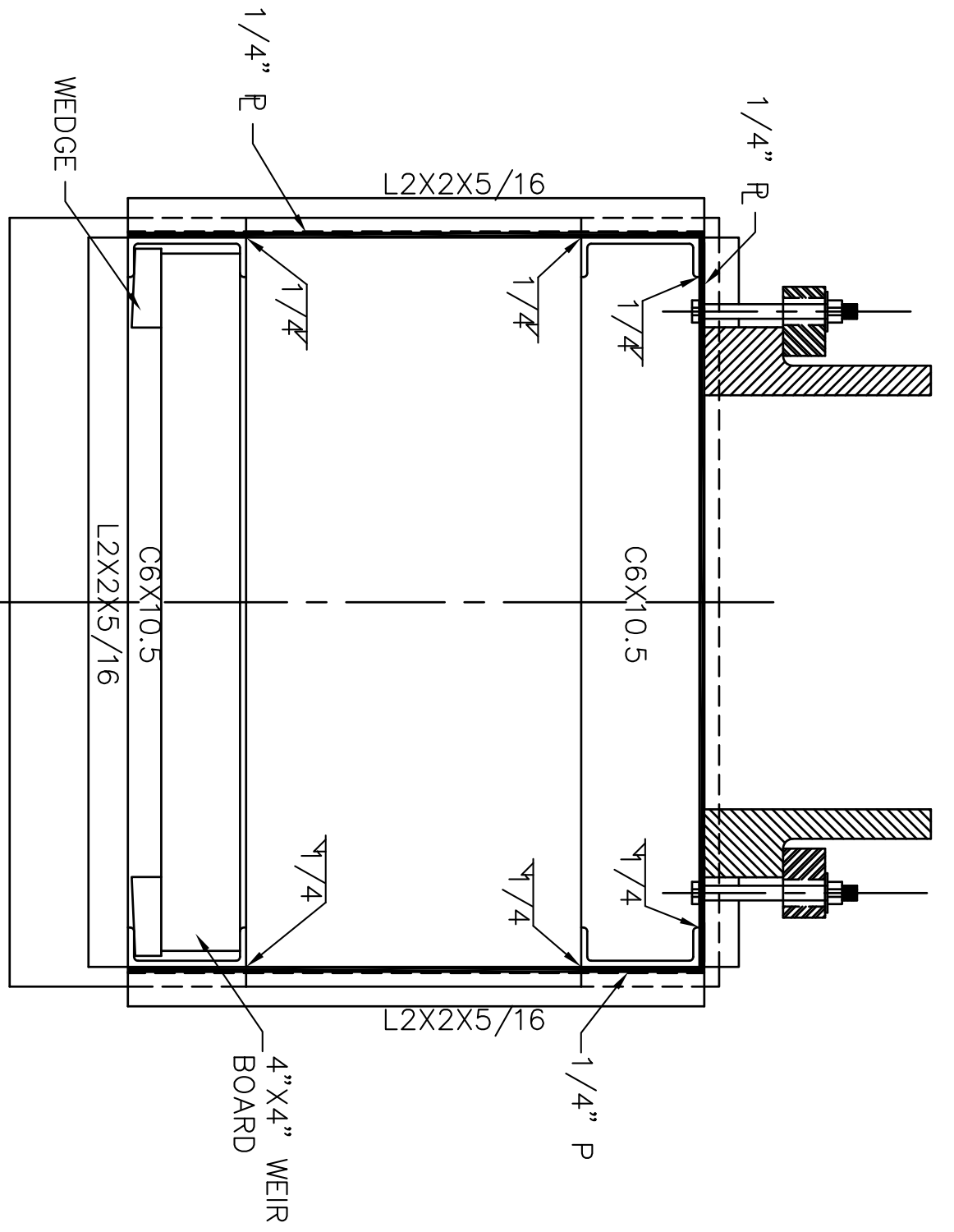
1. GBA BASED ON MARYLAND STATE CORNER SYSTEM 1922
2. ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.
3. CONTROLS WERE CHECKED FROM TOPOGRAPHIC AND HYDROGRAPHIC SURVEYS PERFORMED ON NOVEMBER 7, 1997; MARYLAND TIDE GAUGE IS 1983 TO 2001.
4. TOPOGRAPHIC SURVEYS WERE PERFORMED USING TRIMBLE 4700 GPS EQUIPMENT.
5. HYDROGRAPHIC SURVEY DATA WAS COLLECTED USING AN ODOM ELECTRONIC WELLS EXPOSURER OPERATING AT ZONEID AND AN APPLINK POSMV SYSTEM USING DGPS WITH NEER GUIDANCE.

ENGINEER: **GBA**
 ENGINEERS ★ SURVEYORS

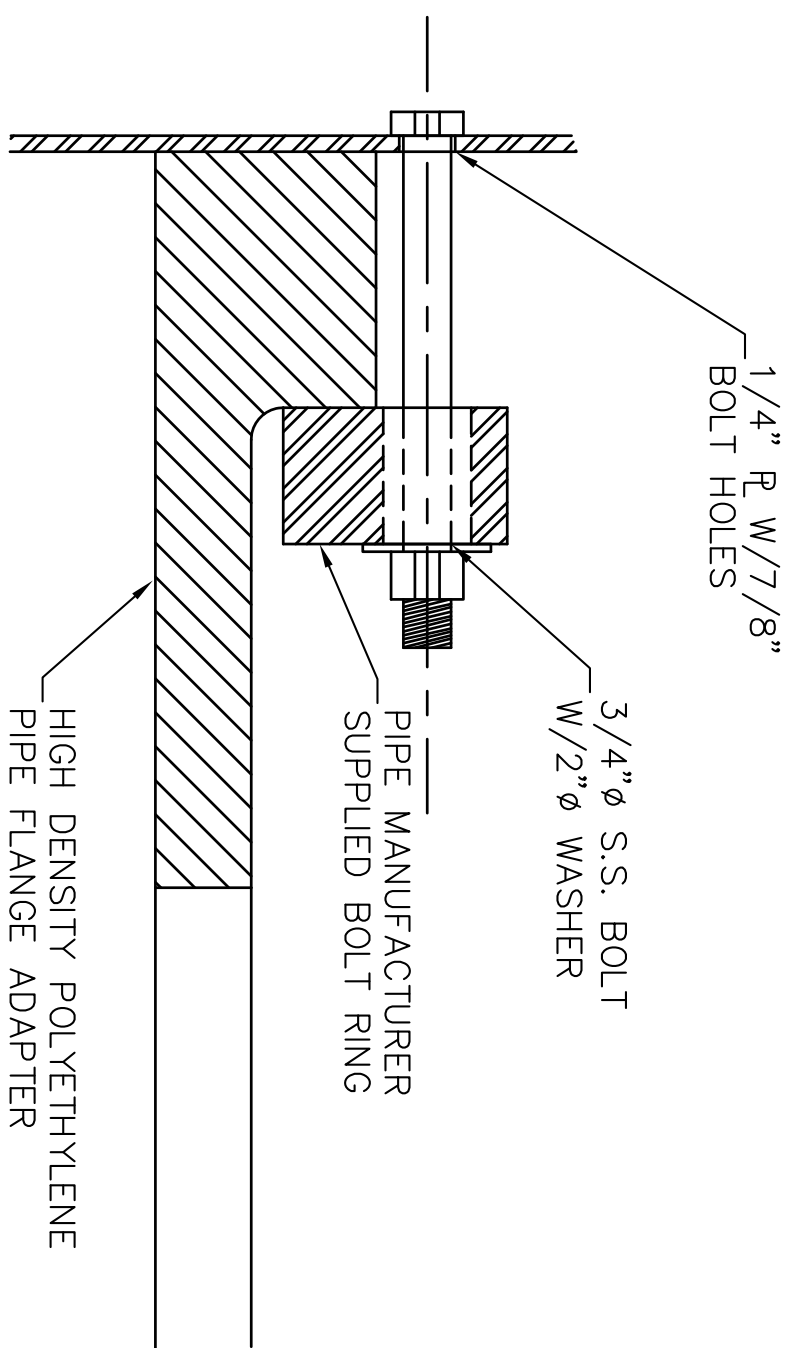
SYMBOL	DATE	BY	REVISION INFORMATION
△	9/22/09	DCM	ISSUE FOR CONSTRUCTION
△	9/21/09	DCM	REVISED COORDINATES
△	6/1/09	DCM	ISSUE FOR BID

PROJECT/TASK	ICD#	APP.
PROJECT/TASK	ICD#-CP-3.52	APP.
DRAWN:	DCM	9/21/09
CHECKED:	TND	9/21/09
APP. FOR BID:	TND	
APP. FOR CONST.:		
SCALE:	AS SHOWN	

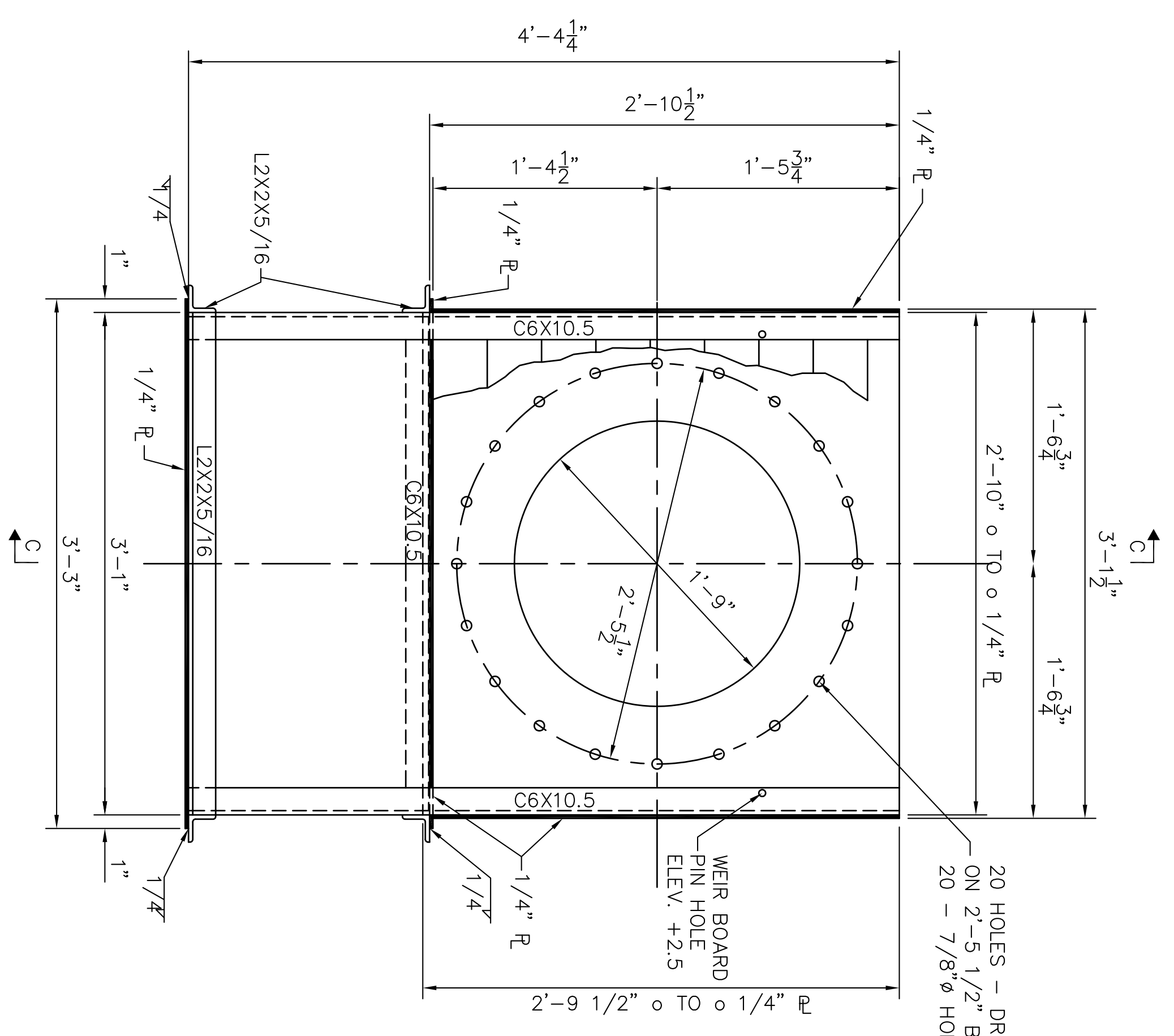
Dominion Cove Point LNG, LP
 2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 266-5100
PROPOSED BREAKWATER GEOMETRIC LAYOUT & SECTIONS
 TOWN: LUSBY, MD COUNTY: CALVERT GROUP: DR DMC. NO. 9501AB03 REV.



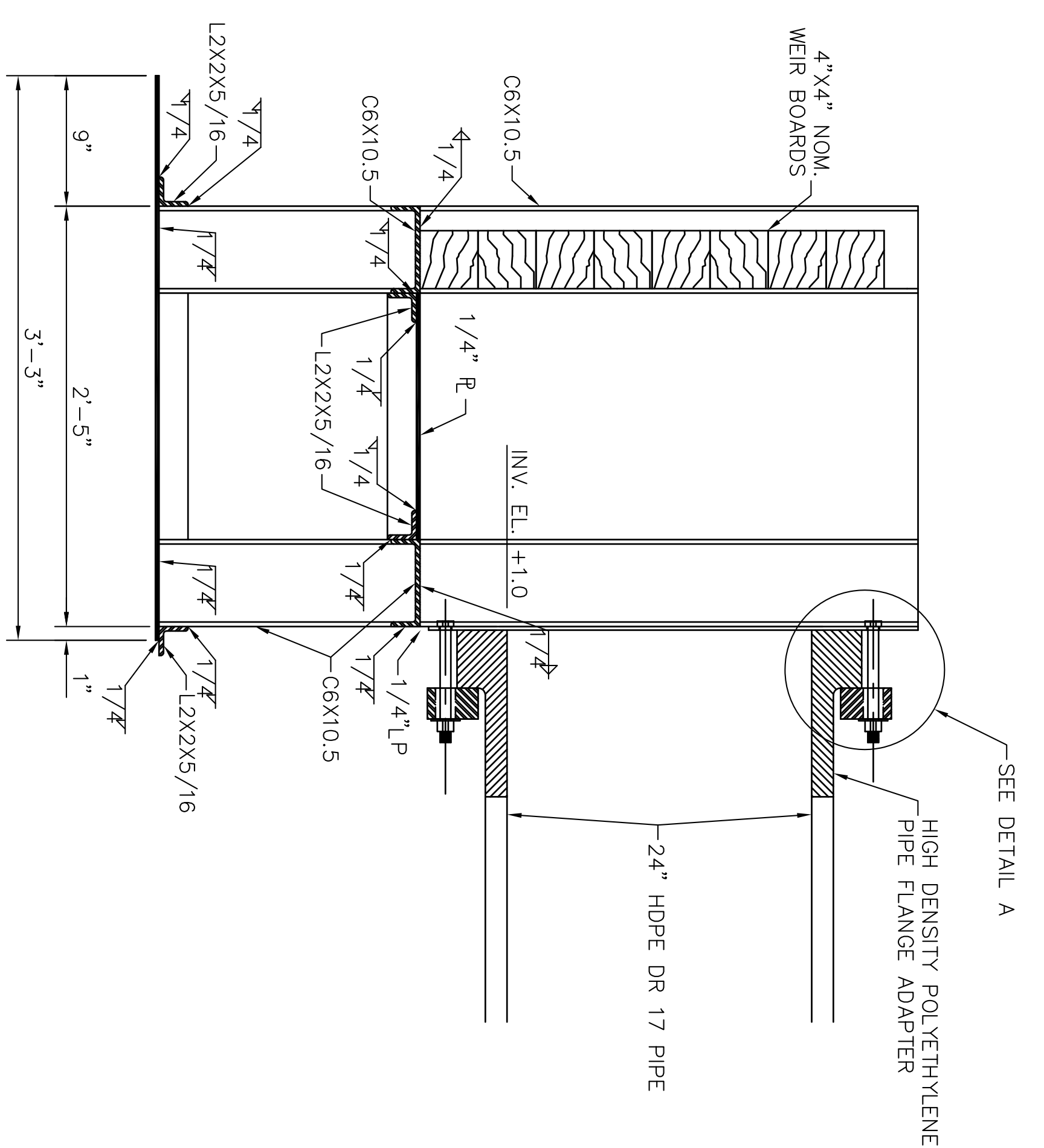
WEIR BOX PLAN
SCALE: 1 1/2" = 1'-0"



DETAIL A
SCALE: 4" = 1'-0"



WEIR BOX ELEVATION
SCALE: 1 1/2" = 1'-0"



SECTION C-C
SCALE: 1 1/2" = 1'-0"

NOTES:

1. STEEL WEIR BOX MEMBERS INCLUDING THE MANUFACTURER SUPPLIED FLANGES TO BE STAINLESS STEEL.
2. HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL BE PRESSURE RATED FOR 100 PSI (DR 17).
3. PIPE SECTIONS SHALL BE JOINED BY FUSION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. ALL STRUCTURAL STEEL USED FOR THE WEIR BOX CONSTRUCTION SHALL CONFORM TO ASTM DESIGNATION A-36. BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM DESIGNATION A307, STAINLESS STEEL.
5. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS SPECIFICATIONS; WELDING TO BE PERFORMED BY CERTIFIED WELDERS ONLY.
6. TIMBER WEIR BOARDS SHALL BE PRETREATED SOUTHERN PINE 72, DENSE STRUCTURAL GRADE OR APPROVED EQUAL.
7. WEIR BOARDS SHALL BE STORED AND/OR PLACED TO ELEVATION AS DIRECTED BY THE ENGINEER.
8. SELECTED CONTRACTOR MAY PROPOSE AN ALTERNATE DESIGN.

PROFESSIONAL CERTIFICATION, 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. 30212
EXPIRATION DATE: 6/22/2020

GENERAL NOTES AND COMMENTS:			
1. VERTICAL DIMENSION IS BASED ON MEAN LOWEST LOW WATER, COKE POINT TIDAL BENCHMARK STATION BR 827188			
LUSBY, MARYLAND. TIDAL EPOCH IS 1983 TO 2021.			
SYMBOL	DATE	BY	
△	6/22/09	DCM	
△	6/1/09	DCM	
△	5/6/09	DCM	
△	4/22/09	DCM	
△	4/2/09	DCM	
REVISION INFORMATION			
△	6/22/09	DCM	ISSUE FOR CONSTRUCTION
△	6/1/09	DCM	ISSUE FOR BID
△	5/6/09	DCM	ISSUE FOR BID
△	4/22/09	DCM	ISSUE FOR BID
△	4/2/09	DCM	ISSUE FOR BID
PROJECT/TASK	APP.	PROJECT/TASK	APP.
ICD1-CP-3.52	TMD	ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD	ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD	ICD1-CP-3.52	TMD
ICD1-CP-3.52	TMD	ICD1-CP-3.52	TMD
ORIGINAL CONSTRUCTION INFORMATION			
PROJECT/TASK	ICD1-CP-3.52	DRAWN:	SWT
CHECKED:	TMD	DATE:	6/5/09
APP. FOR BID:		APP. FOR CONST.:	AS SHOWN
TOWN:	LUSBY, MD	COUNTY:	CALVERT
GROUP:	DR	DWG. NO.:	9501AB04
CONTRACT NUMBER:	35100.1.13.2	REV.:	

Dominion Cove Point LNG, LP
2100 Cove Point Road | Lusby, Maryland 20657 | Phone: (410) 266-5100
DOMINION COVE POINT LNG, LP
PROPOSED REVELTMENT WEIR BOX DETAILS