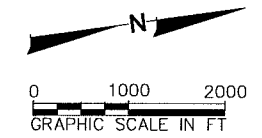
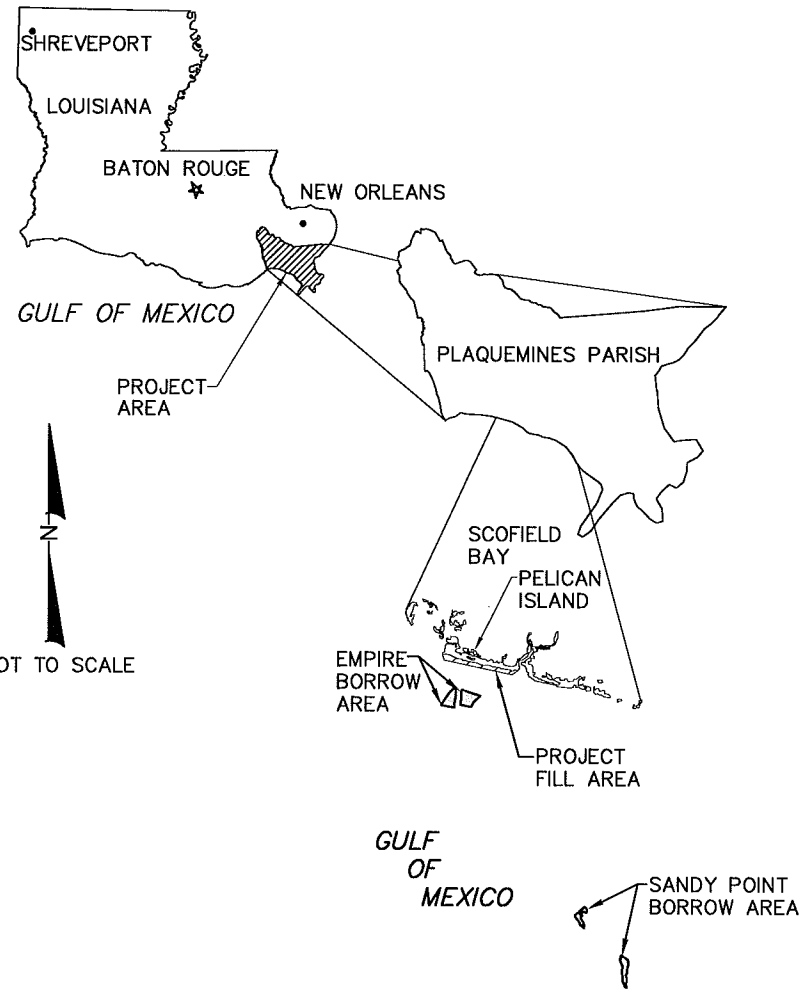
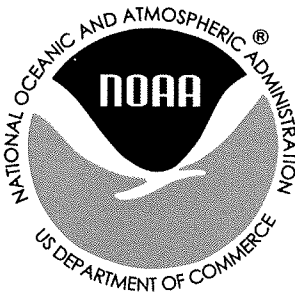
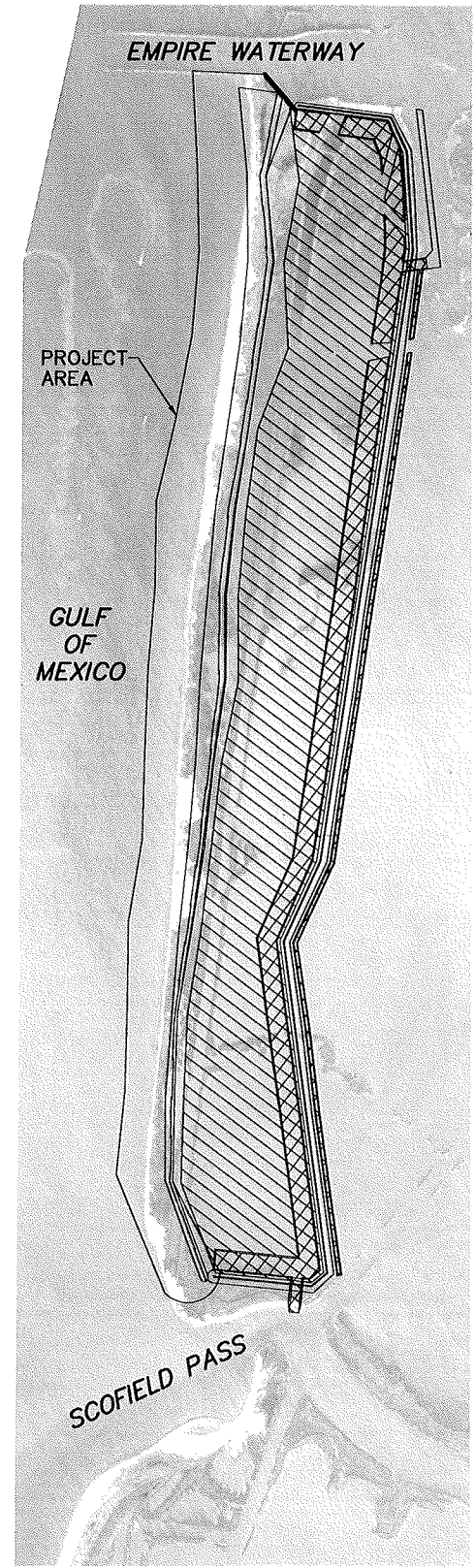


PELICAN ISLAND RESTORATION (BA-38-1) CWPPRA PROJECT



NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES
3	PAY PROFILES PLAN VIEW
4	OFFSHORE INFRASTRUCTURE PLAN VIEW
5-7	PROJECT PLAN VIEWS
8	EMPIRE BORROW AREA BATHYMETRY
9	EMPIRE BORROW AREA CROSS SECTIONS
10	SANDY POINT NW BORROW AREA AND DISPOSAL SITE BATHYMETRY
11	SANDY POINT NW BORROW AREA ELEVATION OF SILT/CLAY-SAND INTERFACE CONTOUR MAP
12	SANDY POINT NW BORROW AREA BOTTOM ELEVATION OF SAND CONTOUR MAP
13	SANDY POINT NW BORROW AREA AND DISPOSAL SITE CROSS SECTIONS
14	SANDY POINT SE BORROW AREA AND DISPOSAL SITE BATHYMETRY
15	SANDY POINT SE BORROW AREA ELEVATION OF SILT/CLAY-SAND INTERFACE CONTOUR MAP
16	SANDY POINT SE BORROW AREA BOTTOM ELEVATION OF SAND CONTOUR MAP
17	SANDY POINT SE BORROW AREA AND DISPOSAL SITE CROSS SECTIONS
18-25	BEACH AND MARSH FILL CROSS SECTIONS
26	TYPICAL ACCESS CHANNEL CROSS SECTION, PRIMARY DIKE AND SETTLEMENT PLATE DETAIL
27	SAND FENCE DETAIL
28-30	OIL AND GAS INFRASTRUCTURE
31-32	EMPIRE WATERWAY JETTY EXTENSION
33	JETTY CROSS SECTIONS



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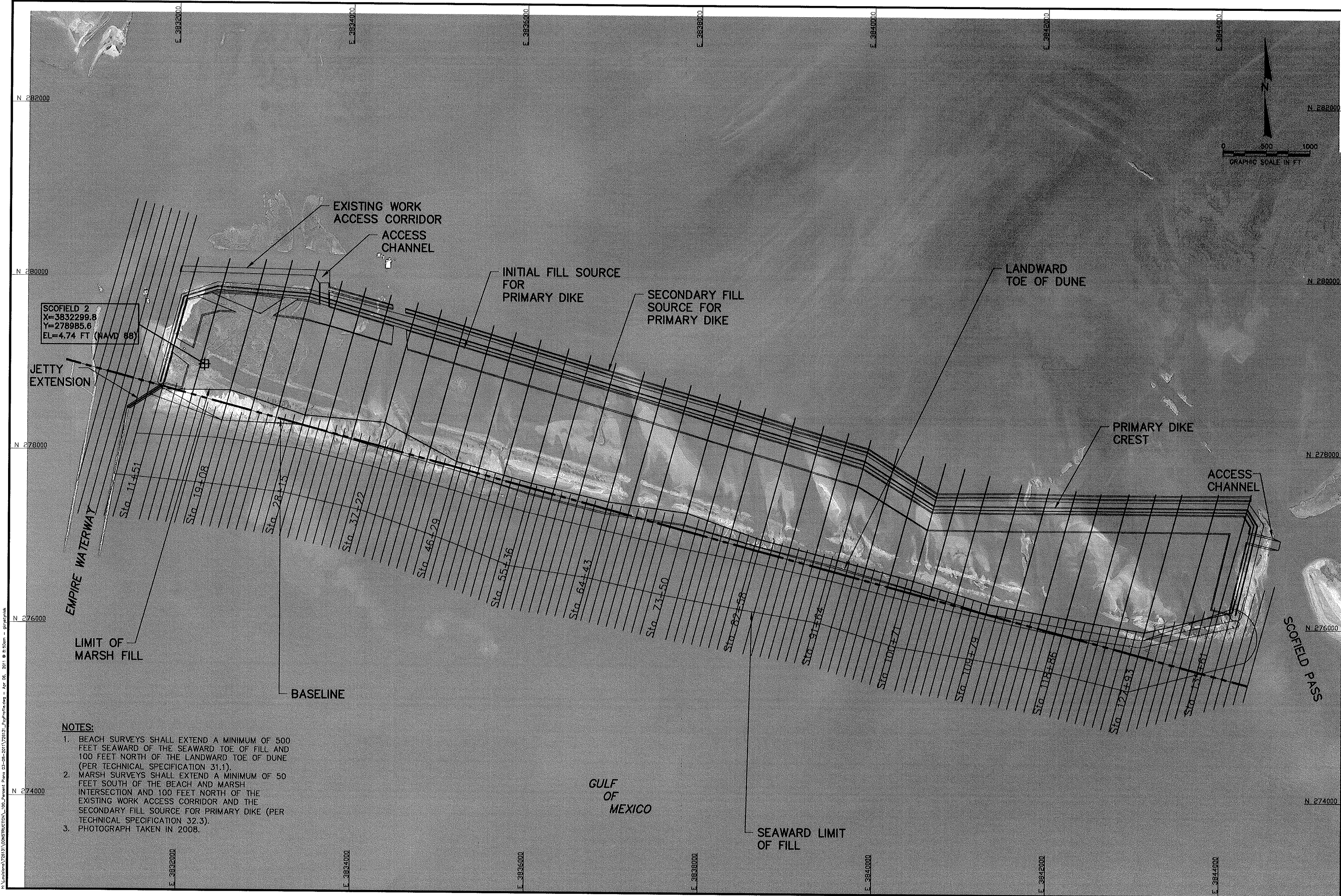


NO.	DATE	DESCRIPTION
1	3/28/04	ADDED PROFILE LINES
2	11/12/10	FILL TEMPLATE REVISIONS, SECONDARY FILL SOURCE AND SETTY EXTENSION ADDITIONS
3	12/22/10	UPDATE SHEET INDEX

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPPRA PROJECT
 COVER SHEET

DRAWING NO.
 CS
 SHEET 1 OF 33

H:\Projects\2013\CONSTRUCTION\100_Peasant_Plan_03-08-2013\2013_C2.dwg - Apr 06, 2011, 8:32am - gpr/pjw



- NOTES:**
1. BEACH SURVEYS SHALL EXTEND A MINIMUM OF 500 FEET SEAWARD OF THE SEAWARD TOE OF FILL AND 100 FEET NORTH OF THE LANDWARD TOE OF DUNE (PER TECHNICAL SPECIFICATION 31.1).
 2. MARSH SURVEYS SHALL EXTEND A MINIMUM OF 50 FEET SOUTH OF THE BEACH AND MARSH INTERSECTION AND 100 FEET NORTH OF THE EXISTING WORK ACCESS CORRIDOR AND THE SECONDARY FILL SOURCE FOR PRIMARY DIKE (PER TECHNICAL SPECIFICATION 32.3).
 3. PHOTOGRAPH TAKEN IN 2008.

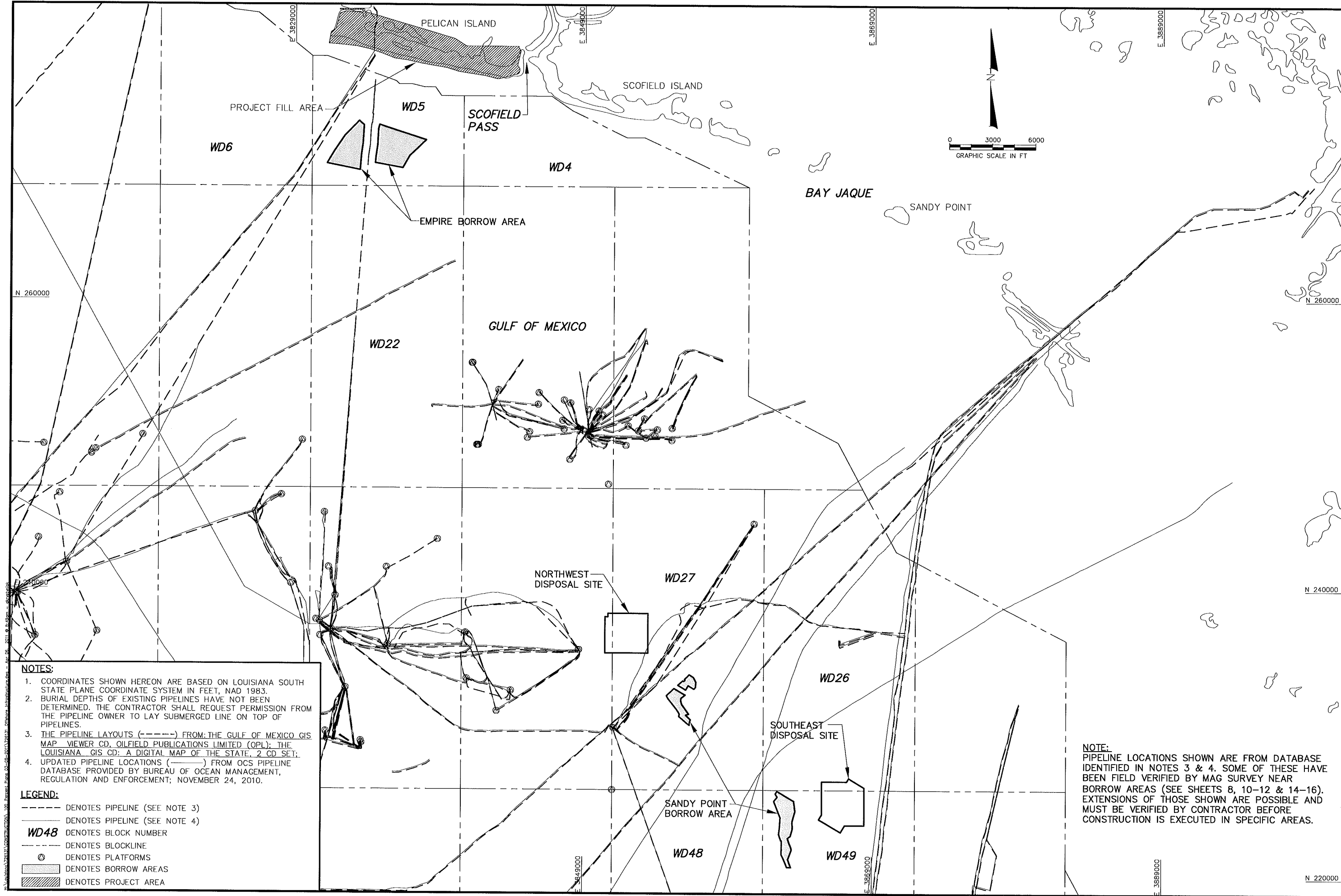
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REVISIONS		Checked by:	Designed by:	Date:	Plot Scale:	Comm. No.:	Description
No.	Date						
1	11/27/07	AMB	GT	10/8/2007	AS NOTED	7261.31	REVISIONS
2	12/9/07	GT	AM				REVISED PAY PROFILES

Reference Files:
 Drawn by: TM
 Date: 10/8/2007
 Submitted by: AW
 Comm. No.: 7261.31
 AS NOTED

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 PAY PROFILES
 PLAN VIEW
 DRAWING NO.
PP-1
 SHEET 3 OF 33



- NOTES:**
1. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
 2. BURIAL DEPTHS OF EXISTING PIPELINES HAVE NOT BEEN DETERMINED. THE CONTRACTOR SHALL REQUEST PERMISSION FROM THE PIPELINE OWNER TO LAY SUBMERGED LINE ON TOP OF PIPELINES.
 3. THE PIPELINE LAYOUTS (---) FROM: THE GULF OF MEXICO GIS MAP - VIEWER CD, OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD: A DIGITAL MAP OF THE STATE, 2 CD SET;
 4. UPDATED PIPELINE LOCATIONS (—) FROM OCS PIPELINE DATABASE PROVIDED BY BUREAU OF OCEAN MANAGEMENT, REGULATION AND ENFORCEMENT; NOVEMBER 24, 2010.

- LEGEND:**
- DENOTES PIPELINE (SEE NOTE 3)
 - DENOTES PIPELINE (SEE NOTE 4)
 - WD48 DENOTES BLOCK NUMBER
 - DENOTES BLOCKLINE
 - ⊙ DENOTES PLATFORMS
 - ▭ DENOTES BORROW AREAS
 - ▨ DENOTES PROJECT AREA

NOTE:
PIPELINE LOCATIONS SHOWN ARE FROM DATABASE IDENTIFIED IN NOTES 3 & 4. SOME OF THESE HAVE BEEN FIELD VERIFIED BY MAG SURVEY NEAR BORROW AREAS (SEE SHEETS 8, 10-12 & 14-16). EXTENSIONS OF THOSE SHOWN ARE POSSIBLE AND MUST BE VERIFIED BY CONTRACTOR BEFORE CONSTRUCTION IS EXECUTED IN SPECIFIC AREAS.

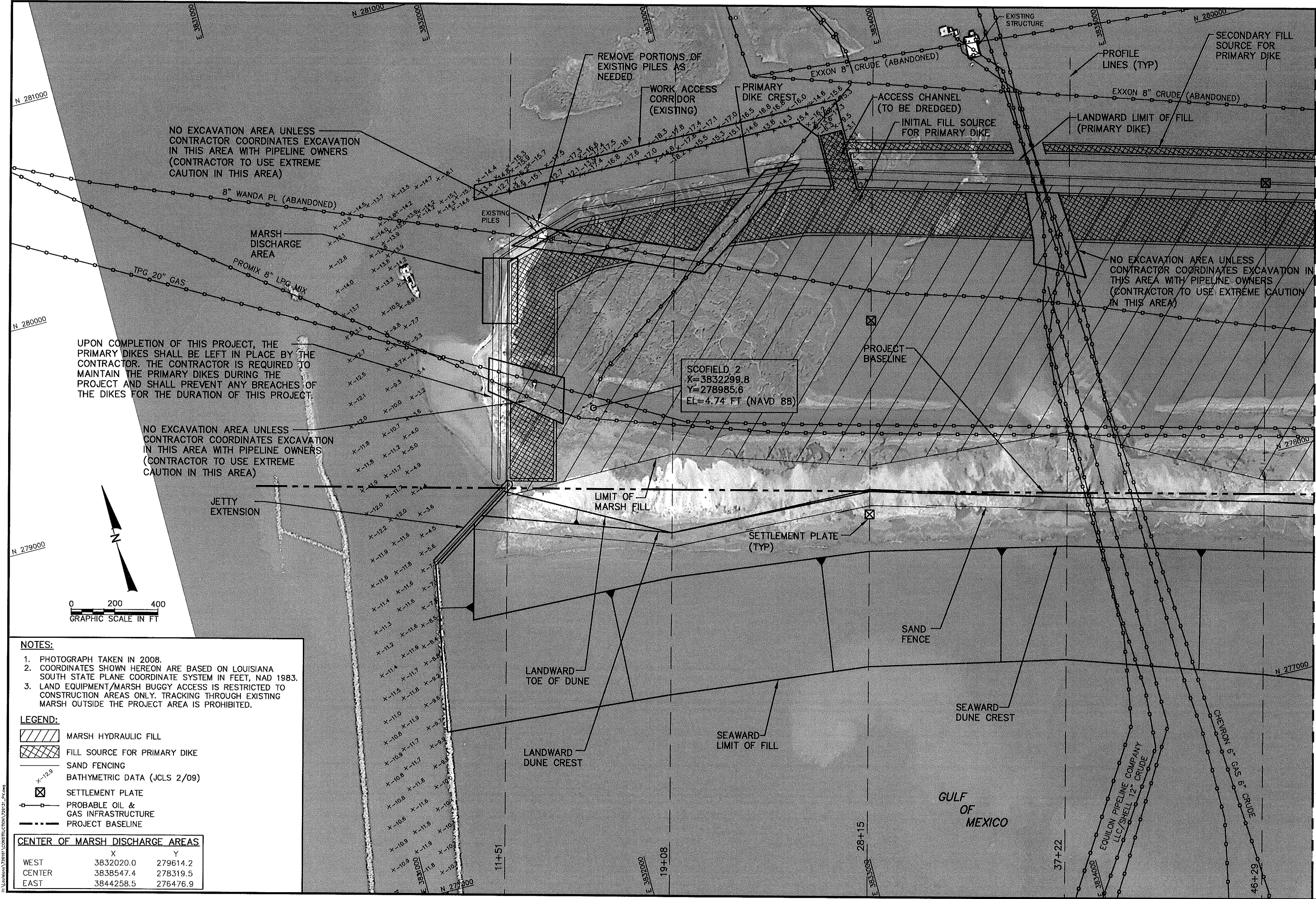
COASTAL PLANNING & ENGINEERING, INC.
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REVISIONS		Checked by:	Designed by:	Reference Files:
No.	Date	AMB	GT	Performance
1.	11/21/2010			
2.	12/8/2010			

Reviewed by:	Submitted by:	Comm. No.:
GT	AW	7261.31
Drawn by:	Date:	Prof. Scale:
TW	10/8/2007	AS NOTED

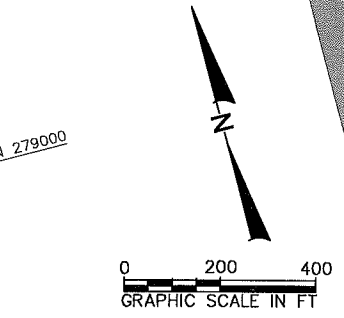
PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT
 OFFSHORE INFRASTRUCTURE PLAN VIEW
 DRAWING NO. LO-1
 SHEET 4 OF 33



NO EXCAVATION AREA UNLESS CONTRACTOR COORDINATES EXCAVATION IN THIS AREA WITH PIPELINE OWNERS (CONTRACTOR TO USE EXTREME CAUTION IN THIS AREA)

UPON COMPLETION OF THIS PROJECT, THE PRIMARY DIKES SHALL BE LEFT IN PLACE BY THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PRIMARY DIKES DURING THE PROJECT AND SHALL PREVENT ANY BREACHES OF THE DIKES FOR THE DURATION OF THIS PROJECT.

NO EXCAVATION AREA UNLESS CONTRACTOR COORDINATES EXCAVATION IN THIS AREA WITH PIPELINE OWNERS (CONTRACTOR TO USE EXTREME CAUTION IN THIS AREA)



- NOTES:**
1. PHOTOGRAPH TAKEN IN 2008.
 2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
 3. LAND EQUIPMENT/MARSH BUGGY ACCESS IS RESTRICTED TO CONSTRUCTION AREAS ONLY. TRACKING THROUGH EXISTING MARSH OUTSIDE THE PROJECT AREA IS PROHIBITED.

- LEGEND:**
- MARSH HYDRAULIC FILL
 - FILL SOURCE FOR PRIMARY DIKE
 - SAND FENCING
 - BATHYMETRIC DATA (JCLS 2/09)
 - SETTLEMENT PLATE
 - PROBABLE OIL & GAS INFRASTRUCTURE
 - PROJECT BASELINE

CENTER OF MARSH DISCHARGE AREAS

	X	Y
WEST	3832020.0	279614.2
CENTER	3838547.4	278319.5
EAST	3844258.5	276476.9

SCOFIELD 2
 X=3832299.8
 Y=278985.6
 EL=4.74 FT (NAVD 88)

MATCHLINE SEE SHEET 6

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No.	Date	Description
1	3/26/04	ADDED PROFILE LINES
2	2/28/09	REVISED CONSTRUCTION DESIGN
3	11/27/10	REVISED FILL DESIGN TEMPLATE, ADDED JETTY EXTENSION AND SECONDARY FILL SOURCE
4	12/9/10	ADDED MARSH DISCHARGE AREA AND MOVED SETTLEMENT PLATE

Designed by:	GT	Checked by:	AUS
Drawn by:	TW	Reviewed by:	GT
Date:	10/8/2007	Submitted by:	AW
Plot Scale:	AS NOTED	Comm. No.:	7261.31

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 PROJECT PLAN VIEW

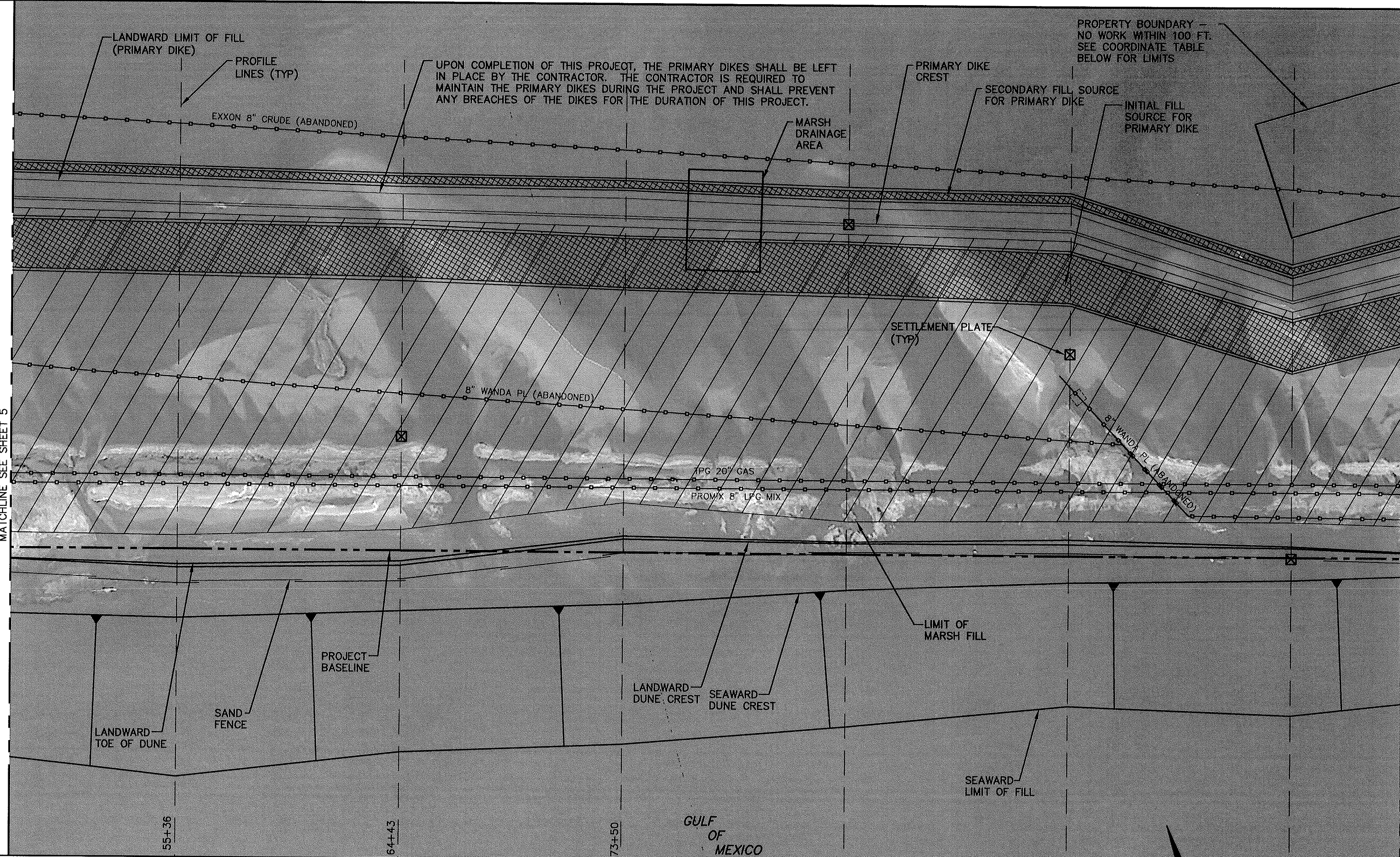
DRAWING NO.
PV-1
 SHEET 5 OF 33

MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 7

UPON COMPLETION OF THIS PROJECT, THE PRIMARY DIKES SHALL BE LEFT IN PLACE BY THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PRIMARY DIKES DURING THE PROJECT AND SHALL PREVENT ANY BREACHES OF THE DIKES FOR THE DURATION OF THIS PROJECT.

PROPERTY BOUNDARY - NO WORK WITHIN 100 FT. SEE COORDINATE TABLE BELOW FOR LIMITS



- NOTES:**
1. PHOTOGRAPH TAKEN IN 2008.
 2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
 3. LAND EQUIPMENT/MARSH BUGGY ACCESS IS RESTRICTED TO CONSTRUCTION AREAS ONLY. TRACKING OUTSIDE THE PROJECT AREA IS PROHIBITED.

LEGEND:

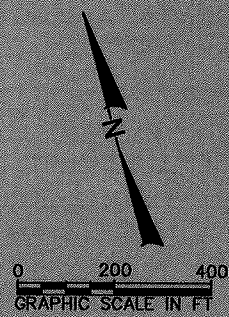
	MARSH HYDRAULIC FILL
	FILL SOURCE FOR PRIMARY DIKE
	SAND FENCING
	BATHYMETRIC DATA (JCLS 2/09)
	SETTLEMENT PLATE
	PROBABLE OIL & GAS INFRASTRUCTURE
	PROJECT BASELINE

PROPERTY BOUNDARY COORD TABLE

	X	Y
NW CORNER	3840741.1	278151.9
NE CORNER	3847129.6	278305.9
SE CORNER	3847130.7	277774.1
SW CORNER	3840770.1	277666.0

CENTER OF MARSH DISCHARGE AREAS

	X	Y
WEST	3832020.0	279614.2
CENTER	3838547.4	278319.5
EAST	3844258.5	276476.9



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REVISIONS

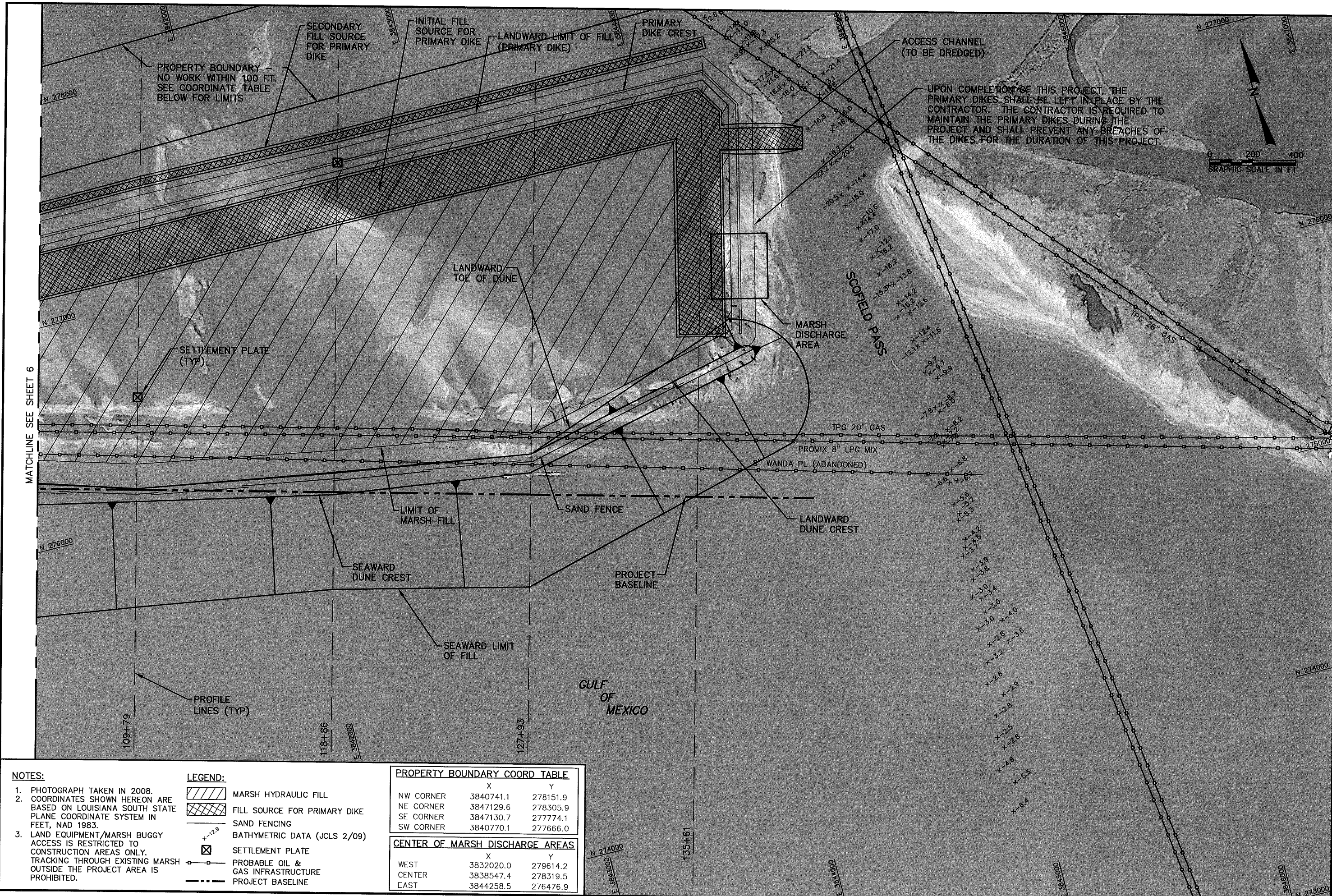
No.	Date	Description
1	3/26/04	ADD PROFILE LINES
2	12/26/09	REVISED CONSTRUCTION DESIGN
3	11/12/10	REVISED FILL DESIGN TEMPLATE, ADDED JETTY EXTENSION AND SECONDARY FILL SOURCE
4	12/8/10	ADD MARSH DISCHARGE AREAS

DESIGNED BY: GT
DRAWN BY: TW
DATE: 10/8/2007
PLOT SCALE: AS NOTED

CHECKED BY: AWB
REVIEWED BY: GT
SUBMITTED BY: AW
COMM. NO.: 7261.31

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 PROJECT PLAN VIEW

DRAWING NO.
PV-2
 SHEET 6 OF 33



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REVISIONS	No.	Description
1	3/28/04	ADDED PROFILE LINES
2	2/28/09	REVISED CONSTRUCTION DESIGN
3	11/22/10	REVISED FILL DESIGN TEMPLATE, ADDED JETTY EXTENSION AND SECONDARY FILL SOURCE
4	12/8/10	ADDED MARSH DISCHARGE AREAS

Checked by:	AMB
Designed by:	GT
Drawn by:	TW
Date:	10/8/2007
Submitted by:	AW
Comm. No.:	7251.31
Plot Scale:	AS NOTED

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 PROJECT PLAN VIEW

DRAWING NO.
PV-3

SHEET 7 OF 33

- NOTES:**
- PHOTOGRAPH TAKEN IN 2008.
 - COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
 - LAND EQUIPMENT/MARSH BUGGY ACCESS IS RESTRICTED TO CONSTRUCTION AREAS ONLY. TRACKING THROUGH EXISTING MARSH OUTSIDE THE PROJECT AREA IS PROHIBITED.

LEGEND:

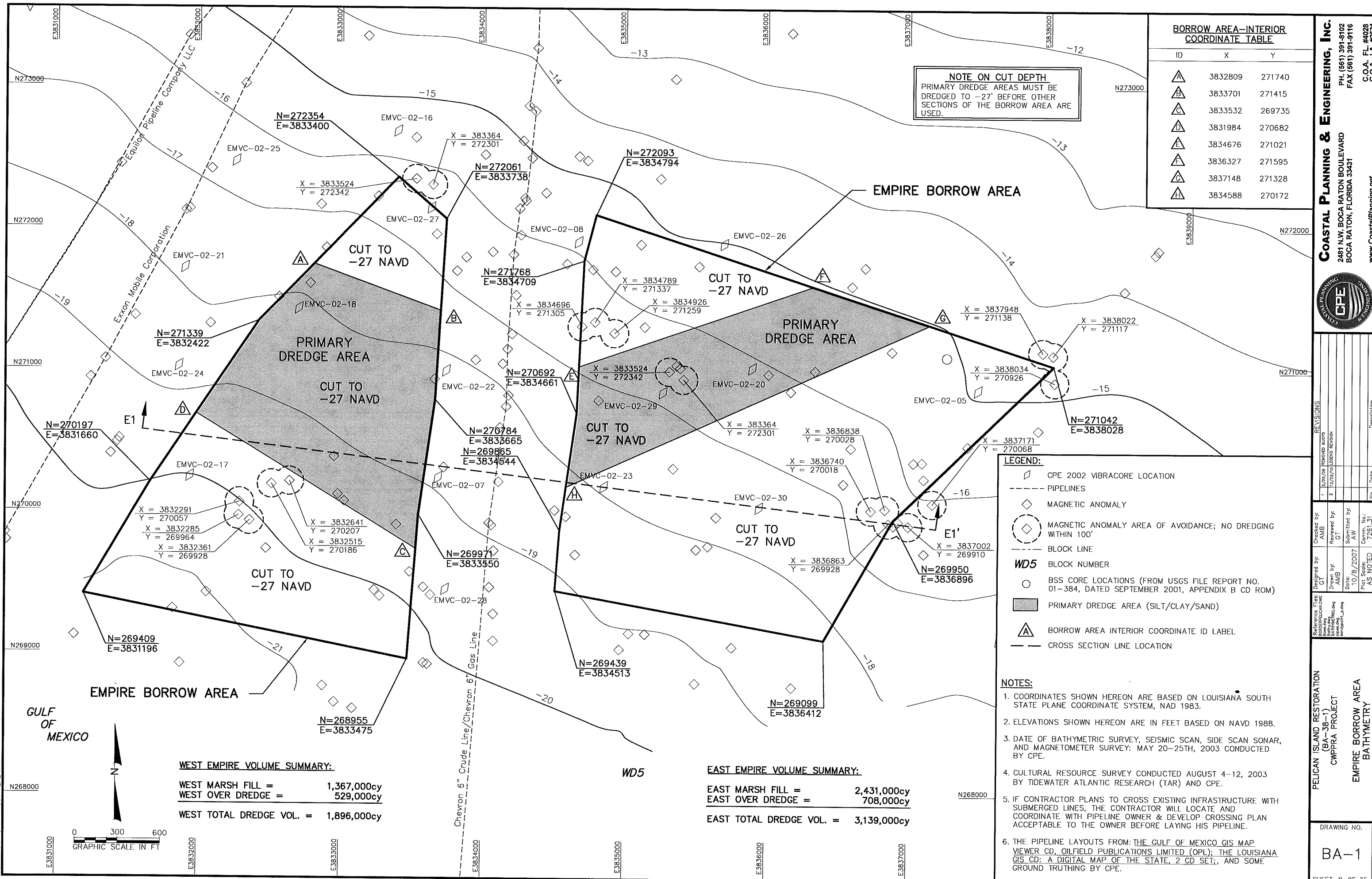
	MARSH HYDRAULIC FILL
	FILL SOURCE FOR PRIMARY DIKE
	SAND FENCING
	BATHYMETRIC DATA (JCLS 2/09)
	SETTLEMENT PLATE
	PROBABLE OIL & GAS INFRASTRUCTURE
	PROJECT BASELINE

PROPERTY BOUNDARY COORD TABLE

	X	Y
NW CORNER	3840741.1	278151.9
NE CORNER	3847129.6	278305.9
SE CORNER	3847130.7	277774.1
SW CORNER	3840770.1	277666.0

CENTER OF MARSH DISCHARGE AREAS

	X	Y
WEST	3832020.0	279614.2
CENTER	3838547.4	278319.5
EAST	3844258.5	276476.9



NOTE ON CUT DEPTH
 PRIMARY DREDGE AREAS MUST BE
 DREDGED TO -27' BEFORE OTHER
 SECTIONS OF THE BORROW AREA ARE
 USED.

BORROW AREA-INTERIOR COORDINATE TABLE		
ID	X	Y
△	3832809	271740
△	3833701	271415
△	3833532	269735
△	3831984	270682
△	3834676	271021
△	3836327	271595
△	3837148	271328
△	3834588	270172

- LEGEND:**
- ◇ CPE 2002 VIBRACORE LOCATION
 - PIPELINES
 - ◇ MAGNETIC ANOMALY
 - MAGNETIC ANOMALY AREA OF AVOIDANCE; NO DREDGING WITHIN 100'
 - BLOCK LINE
 - WD5** BLOCK NUMBER
 - BSS CORE LOCATIONS (FROM USGS FILE REPORT NO. 01-384, DATED SEPTEMBER 2001, APPENDIX B CD ROM)
 - PRIMARY DREDGE AREA (SILT/CLAY/SAND)
 - △ BORROW AREA INTERIOR COORDINATE ID LABEL
 - CROSS SECTION LINE LOCATION

- NOTES:**
- COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
 - ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
 - DATE OF BATHYMETRIC SURVEY, SEISMIC SCAN, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: MAY 20-25TH, 2003 CONDUCTED BY CPE.
 - CULTURAL RESOURCE SURVEY CONDUCTED AUGUST 4-12, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
 - IF CONTRACTOR PLANS TO CROSS EXISTING INFRASTRUCTURE WITH SUBMERGED LINES, THE CONTRACTOR WILL LOCATE AND COORDINATE WITH PIPELINE OWNER & DEVELOP CROSSING PLAN ACCEPTABLE TO THE OWNER BEFORE LAYING HIS PIPELINE.
 - THE PIPELINE LAYOUTS FROM: THE GULF OF MEXICO GIS MAP, VIEWER CD, OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD: A DIGITAL MAP OF THE STATE, 2 CD SET; AND SOME GROUND TRUTHING BY CPE.

WEST EMPIRE VOLUME SUMMARY:

WEST MARSH FILL = 1,367,000cy
 WEST OVER DREDGE = 529,000cy
 WEST TOTAL DREDGE VOL. = 1,896,000cy

EAST EMPIRE VOLUME SUMMARY:

EAST MARSH FILL = 2,431,000cy
 EAST OVER DREDGE = 708,000cy
 EAST TOTAL DREDGE VOL. = 3,139,000cy

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REVISIONS	No.	Date	Description
1	5/26/09	REVISED	REVISED
2	12/22/10	LEGEND	REVISION

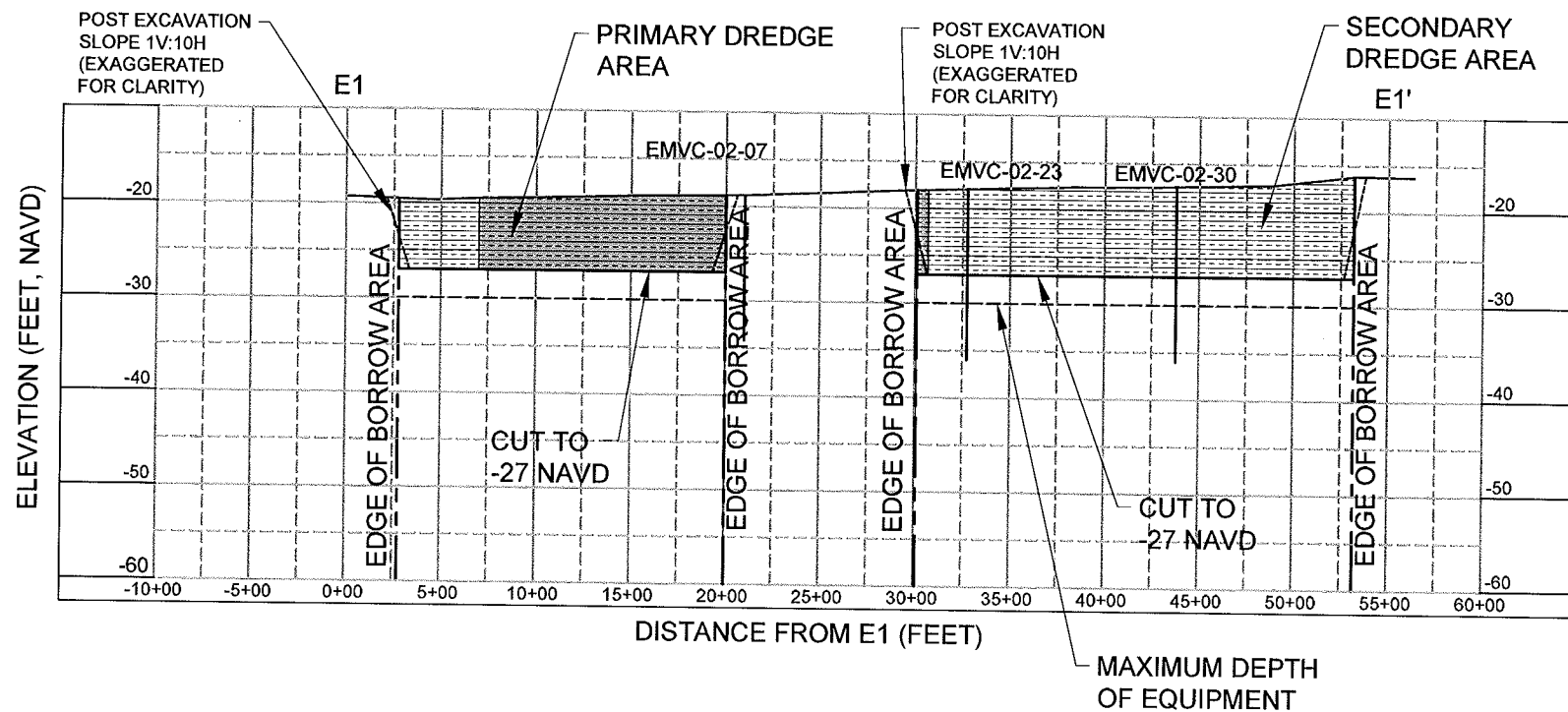
Designed by:	Checked by:	Drawn by:	Date:	Project No.:
GT	AMB	AMB	10/8/2007	7251.31
Reference Files:	Reviewed by:	Submitted by:	Scale:	AS NOTED
Background	GT	AW		
Background				
Background				
Background				

PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT
 EMPIRE BORROW AREA BATHYMETRY

DRAWING NO. BA-1
 SHEET 8 OF 35

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EMPIRE BORROW AREA CROSS SECTION E1 - E1'

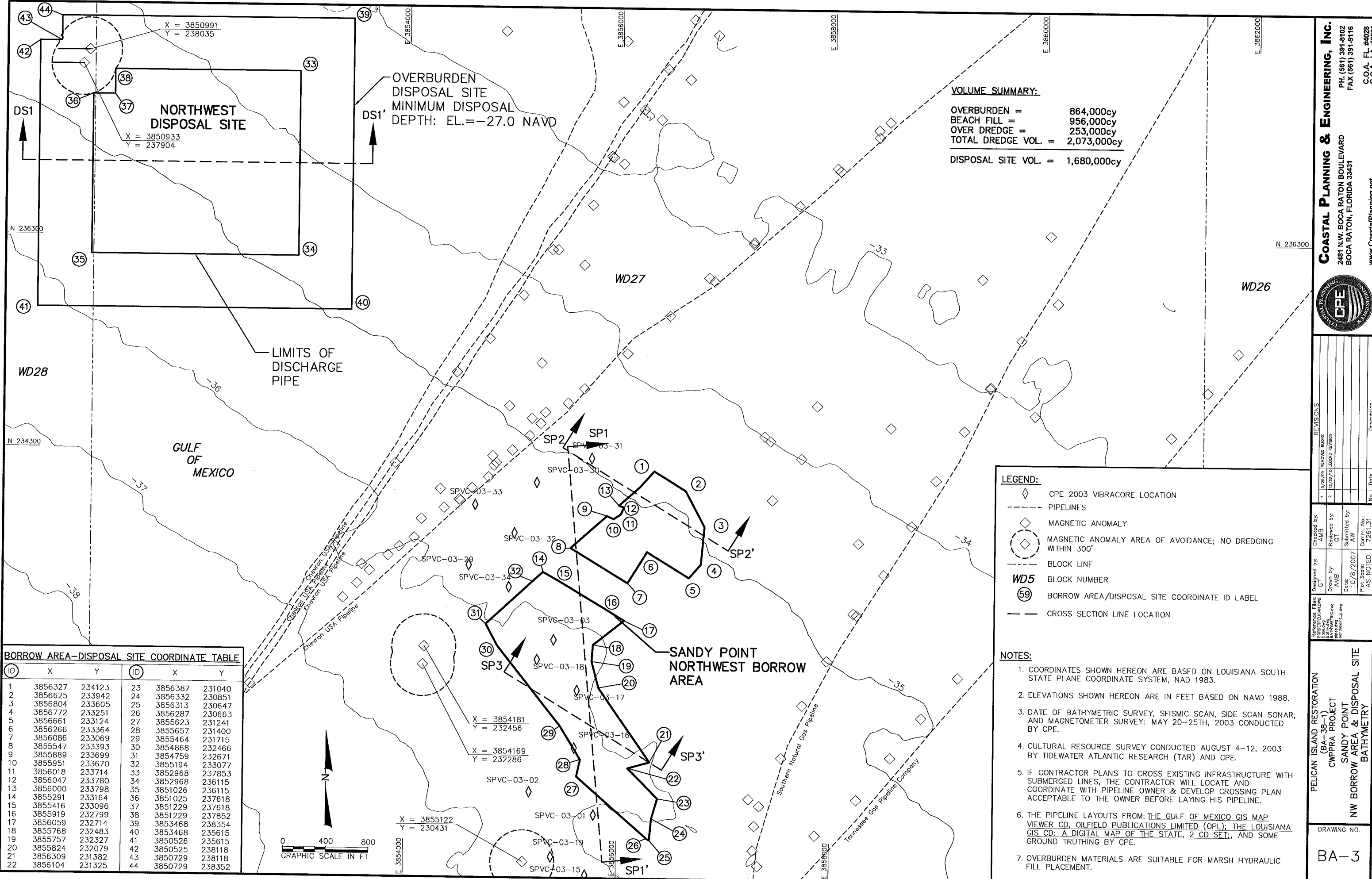


- NOTES:**
1. CORES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE.
 2. VERTICAL THICKNESS OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
 3. SEE SHEET 8 FOR LOCATION OF CROSS SECTION LINE.
 4. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 88.
 5. MAXIMUM DEPTH OF EQUIPMENT 3 FEET BELOW DESIGN CUT DEPTH.

- LEGEND:**
- SILT/CLAY/SAND (PRIMARY DREDGE AREA)
 - SILT/CLAY LAYER
 - DREDGE CUTS
 - MAXIMUM DEPTH OF EQUIPMENT

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No.	Date	Description																	
<p>Checked by: AMB Reviewed by: GT Submitted by: AW Comm. No.: 7281.31</p>	<p>Designed by: GT Drawn by: TW Date: 10/8/2007 Plot Scale: AS NOTED</p>																		
<p>PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT EMPIRE BORROW AREA CROSS SECTIONS</p>																			
<p>DRAWING NO. BA-2</p>																			
<p>SHEET 9 OF 35</p>																			

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VOLUME SUMMARY:

OVERBURDEN =	864,000cy
BEACH FILL =	956,000cy
OVER DREDGE =	253,000cy
TOTAL DREDGE VOL. =	2,073,000cy
DISPOSAL SITE VOL. =	1,680,000cy

BORROW AREA-DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3856327	234123	23	3856387	231040
2	3856625	233942	24	3856332	230851
3	3856804	233605	25	3856313	230647
4	3856772	233251	26	3856287	230663
5	3856661	233124	27	3855623	231241
6	3856266	233364	28	3855657	231400
7	3856086	233069	29	3855464	231715
8	3855547	233393	30	3854868	232466
9	3855889	233699	31	3854759	232671
10	3855951	233670	32	3855194	233077
11	3856018	233714	33	3852968	237853
12	3856047	233780	34	3852968	236115
13	3856000	233798	35	3851026	236115
14	3855291	233164	36	3851025	237618
15	3855416	233096	37	3851229	237618
16	3855919	232799	38	3851229	237852
17	3856059	232714	39	3853468	238354
18	3855768	232483	40	3853468	235615
19	3855757	232327	41	3850526	235615
20	3855824	232079	42	3850525	238118
21	3856309	231382	43	3850729	238118
22	3856104	231325	44	3850729	238352

- LEGEND:**
- ◇ CPE 2003 VIBRACORE LOCATION
 - PIPELINES
 - ◇ MAGNETIC ANOMALY
 - MAGNETIC ANOMALY AREA OF AVOIDANCE; NO DREDGING WITHIN 300'
 - BLOCK LINE
 - WD5** BLOCK NUMBER
 - ⑤⑨ BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
 - CROSS SECTION LINE LOCATION

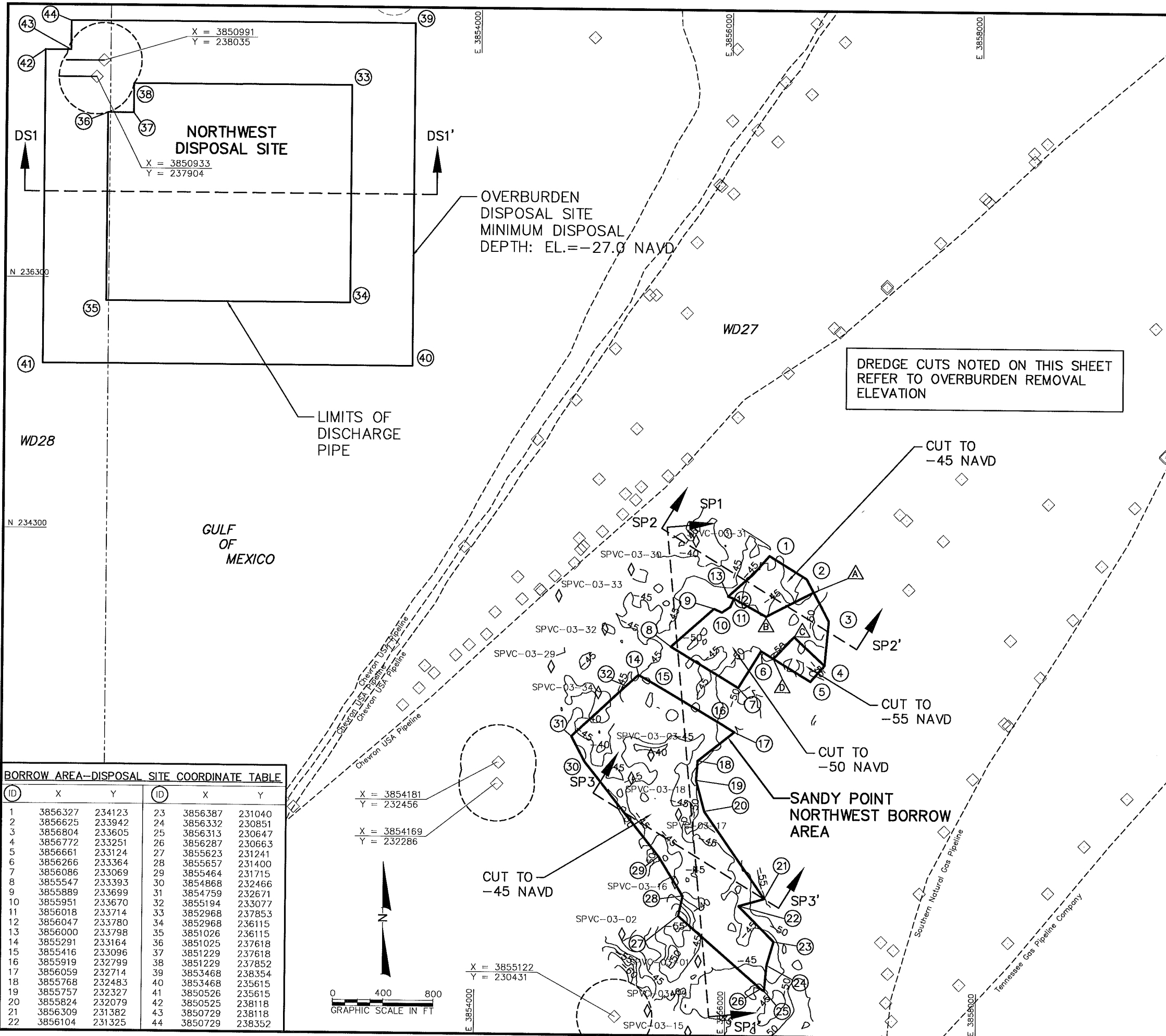
- NOTES:**
- COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
 - ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
 - DATE OF BATHYMETRIC SURVEY, SEISMIC SCAN, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: MAY 20-25TH, 2003 CONDUCTED BY CPE.
 - CULTURAL RESOURCE SURVEY CONDUCTED AUGUST 4-12, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
 - IF CONTRACTOR PLANS TO CROSS EXISTING INFRASTRUCTURE WITH SUBMERGED LINES, THE CONTRACTOR WILL LOCATE AND COORDINATE WITH PIPELINE OWNER & DEVELOP CROSSING PLAN ACCEPTABLE TO THE OWNER BEFORE LAYING HIS PIPELINE.
 - THE PIPELINE LAYOUTS FROM: THE GULF OF MEXICO GIS MAP VIEWER CD, OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD: A DIGITAL MAP OF THE STATE, 2 CD SET; AND SOME GROUND TRUTHING BY CPE.
 - OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC FILL PLACEMENT.

COASTAL PLANNING & ENGINEERING, INC.
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 C.O.A. FL. #4028
 C.O.A. LA. #2531
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REVISIONS	Checked by:	Designed by:	Reference Files:
1 12/22/03 IMPROVED BOYS	AMB	GJ	Bathymetry, Seismic, Sonar
2 12/22/03 LEGEND REVISION	GJ	AMB	BATHYMETRY, SEISMIC, SONAR
	Submitted by:	Date:	
	AW	10/18/2007	
	Comm. No.:	7251.31	
	AS NOTED		

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 SANDY POINT
 NW BORROW AREA & DISPOSAL SITE
 BATHYMETRY
 DRAWING NO. BA-3
 SHEET 10 OF 35



BORROW AREA-INTERIOR COORDINATE TABLE

ID	X	Y
△	3856681	233836
△	3856303	233639
△	3856530	233478
△	3856365	233304

VOLUME SUMMARY:

OVERBURDEN =	864,000cy
BEACH FILL =	956,000cy
OVER DREDGE =	253,000cy
TOTAL DREDGE VOL. =	2,073,000cy
DISPOSAL SITE VOL. =	1,680,000cy

BORROW AREA-DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3856327	234123	23	3856387	231040
2	3856625	233942	24	3856332	230851
3	3856804	233605	25	3856313	230647
4	3856772	233251	26	3856287	230663
5	3856661	233124	27	3855623	231241
6	3856266	233364	28	3855657	231400
7	3856086	233069	29	3855464	231715
8	3855547	233393	30	3854868	232466
9	3855889	233699	31	3854759	232671
10	3855951	233670	32	3855194	233077
11	3856018	233714	33	3852968	237853
12	3856047	233780	34	3852968	236115
13	3856000	233798	35	3851026	236115
14	3855291	233164	36	3851025	237618
15	3855416	233096	37	3851229	237618
16	3855919	232799	38	3851229	237852
17	3856059	232714	39	3853468	238354
18	3855768	232483	40	3853468	235615
19	3855757	232327	41	3850526	235615
20	3855824	232079	42	3850525	238118
21	3856309	231382	43	3850729	238118
22	3856104	231325	44	3850729	238352

LEGEND:

- ◇ CPE 2003 VIBRACORE LOCATION
- PIPELINES
- ◇ MAGNETIC ANOMALY
- MAGNETIC ANOMALY AREA OF AVOIDANCE; NO DREDGING WITHIN 300'
- BLOCK LINE
- WD5 BLOCK NUMBER
- 59 BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- △ BORROW AREA OVERBURDEN INTERIOR COORDINATE ID LABEL
- CROSS SECTION LINE LOCATION

NOTES:

- COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
- ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
- DATE OF BATHYMETRIC SURVEY, SEISMIC SCAN, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: MAY 20-25TH, 2003 CONDUCTED BY CPE.
- CULTURAL RESOURCE SURVEY CONDUCTED AUGUST 4-12, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
- IF CONTRACTOR PLANS TO CROSS EXISTING INFRASTRUCTURE WITH SUBMERGED LINES, THE CONTRACTOR WILL LOCATE AND COORDINATE WITH PIPELINE OWNER & DEVELOP CROSSING PLAN ACCEPTABLE TO THE OWNER BEFORE LAYING HIS PIPELINE.
- THE PIPELINE LAYOUTS FROM: THE GULF OF MEXICO GIS MAP VIEWER CD; OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD; A DIGITAL MAP OF THE STATE, 2 CD SET; AND SOME GROUND TRUTHING BY CPE.
- CONTOURS REPRESENT ELEVATION OF TOP OF SAND LAYER.
- OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC FILL PLACEMENT.

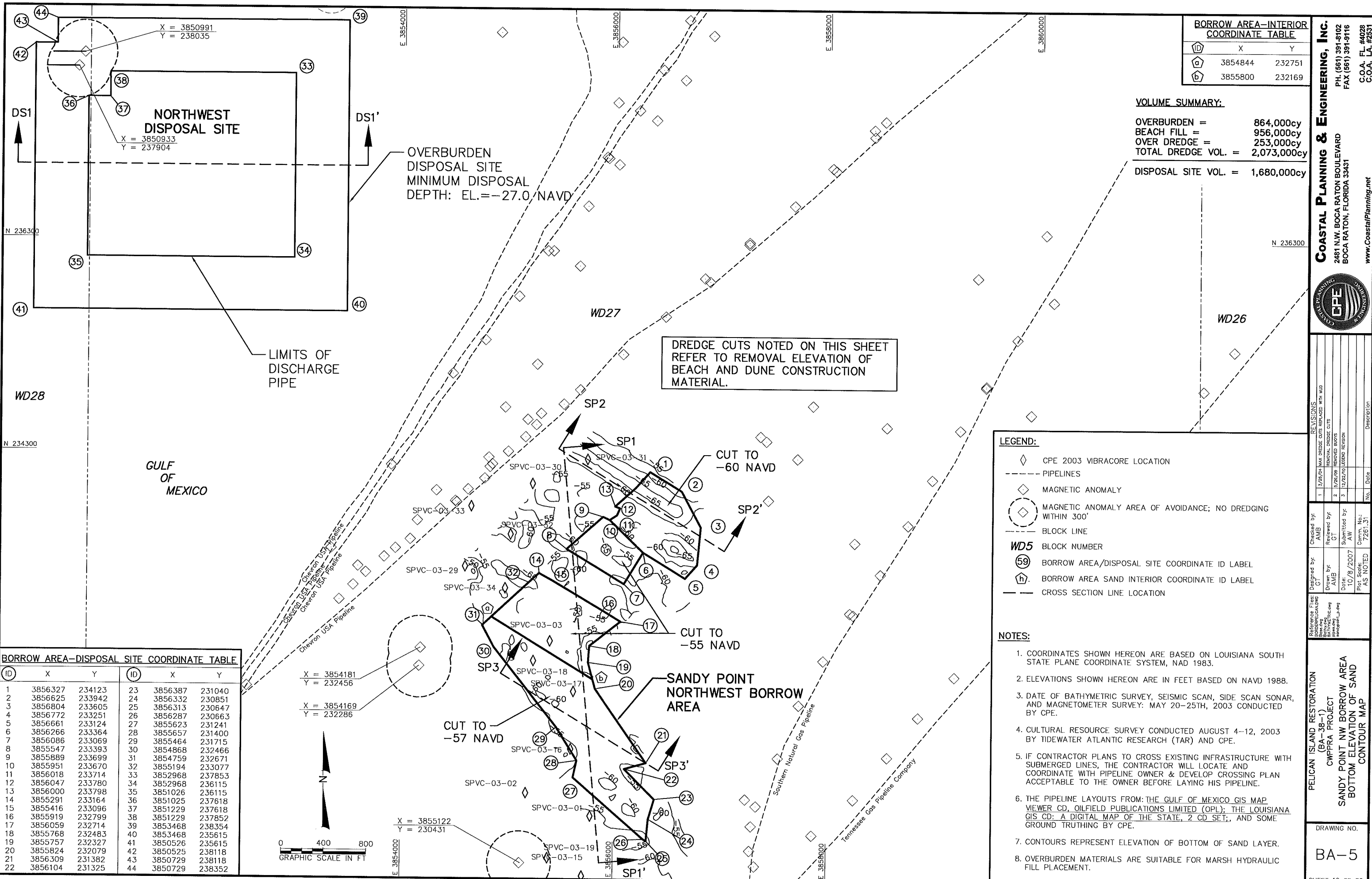
COASTAL PLANNING & ENGINEERING, INC.
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PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT
SANDY POINT NW BORROW AREA ELEVATION OF SILT/CLAY - SAND INTERFACE CONTOUR MAP

DESIGNED BY: GI
 DRAWN BY: AMB
 CHECKED BY: AMB
 DATE: 10/8/2007
 PROJECT NO.: 7261.31
 COMM. NO.: AS NOTED

REVISIONS:
 1 12/26/06 Revised AutoCAD
 2 12/22/07 Legend Revision

DRAWING NO. **BA-4**
 SHEET 11 OF 35



BORROW AREA-INTERIOR COORDINATE TABLE

ID	X	Y
(a)	3854844	232751
(b)	3855800	232169

VOLUME SUMMARY:

OVERBURDEN =	864,000cy
BEACH FILL =	956,000cy
OVER DREDGE =	253,000cy
TOTAL DREDGE VOL. =	2,073,000cy
DISPOSAL SITE VOL. =	1,680,000cy

BORROW AREA-DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3856327	234123	23	3856387	231040
2	3856625	233942	24	3856332	230851
3	3856804	233605	25	3856313	230647
4	3856772	233251	26	3856287	230663
5	3856661	233124	27	3855623	231241
6	3856266	233364	28	3855657	231400
7	3856086	233069	29	3855464	231715
8	3855547	233393	30	3854868	232466
9	3855889	233699	31	3854759	232671
10	3855951	233670	32	3855194	233077
11	3856018	233714	33	3852968	237853
12	3856047	233780	34	3852968	236115
13	3856000	233798	35	3851026	236115
14	3855291	233164	36	3851025	237618
15	3855416	233096	37	3851229	237618
16	3855919	232799	38	3851229	237852
17	3856059	232714	39	3853468	238354
18	3855768	232483	40	3853468	235615
19	3855757	232327	41	3850526	235615
20	3855824	232079	42	3850525	238118
21	3856309	231382	43	3850729	238118
22	3856104	231325	44	3850729	238352

DREDGE CUTS NOTED ON THIS SHEET REFER TO REMOVAL ELEVATION OF BEACH AND DUNE CONSTRUCTION MATERIAL.

- LEGEND:**
- ◇ CPE 2003 VIBRACORE LOCATION
 - PIPELINES
 - ◇ MAGNETIC ANOMALY
 - MAGNETIC ANOMALY AREA OF AVOIDANCE; NO DREDGING WITHIN 300'
 - BLOCK LINE
 - WD5 BLOCK NUMBER
 - (59) BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
 - (h) BORROW AREA SAND INTERIOR COORDINATE ID LABEL
 - CROSS SECTION LINE LOCATION

- NOTES:**
- COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
 - ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
 - DATE OF BATHYMETRIC SURVEY, SEISMIC SCAN, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: MAY 20-25TH, 2003 CONDUCTED BY CPE.
 - CULTURAL RESOURCE SURVEY CONDUCTED AUGUST 4-12, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
 - IF CONTRACTOR PLANS TO CROSS EXISTING INFRASTRUCTURE WITH SUBMERGED LINES, THE CONTRACTOR WILL LOCATE AND COORDINATE WITH PIPELINE OWNER & DEVELOP CROSSING PLAN ACCEPTABLE TO THE OWNER BEFORE LAYING HIS PIPELINE.
 - THE PIPELINE LAYOUTS FROM: THE GULF OF MEXICO GIS MAP VIEWER CD, OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD: A DIGITAL MAP OF THE STATE, 2 CD SET.; AND SOME GROUND TRUTHING BY CPE.
 - CONTOURS REPRESENT ELEVATION OF BOTTOM OF SAND LAYER.
 - OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC FILL PLACEMENT.

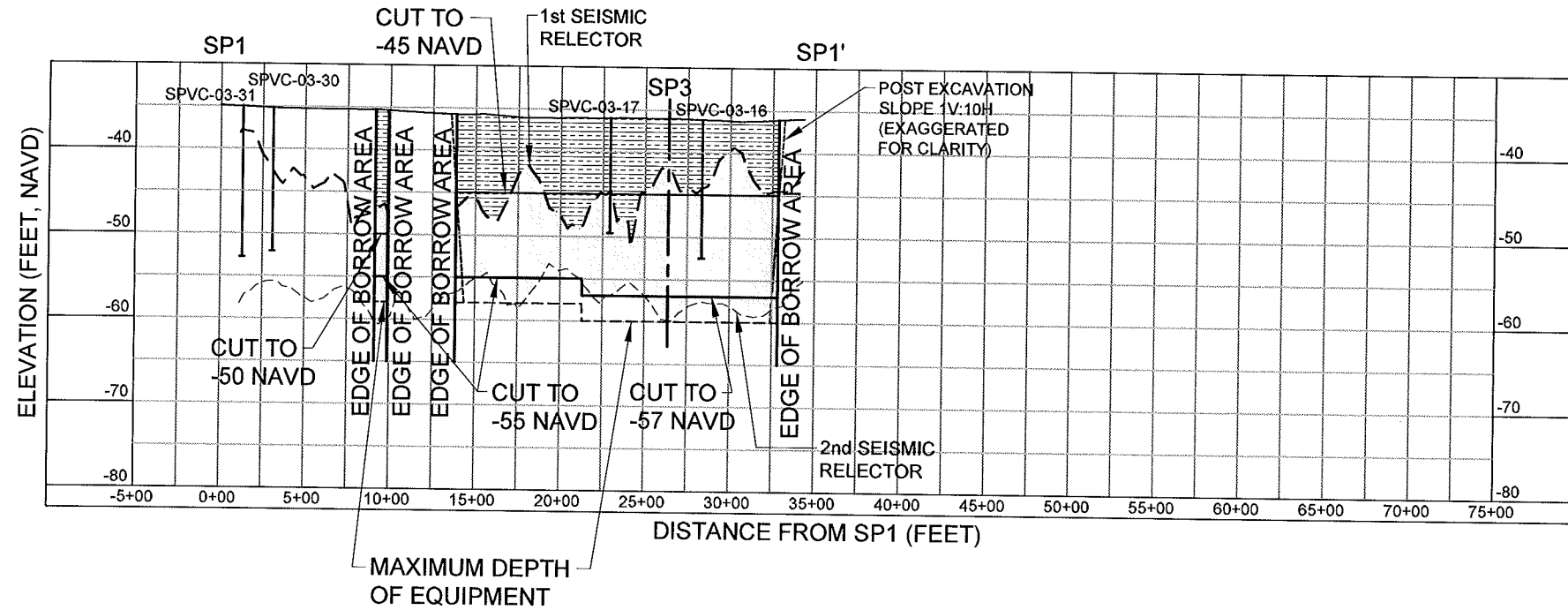
COASTAL PLANNING & ENGINEERING, INC.
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 C.O.A. LA. #251

PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT SANDY POINT NW BORROW AREA BOTTOM ELEVATION OF SAND CONTOUR MAP

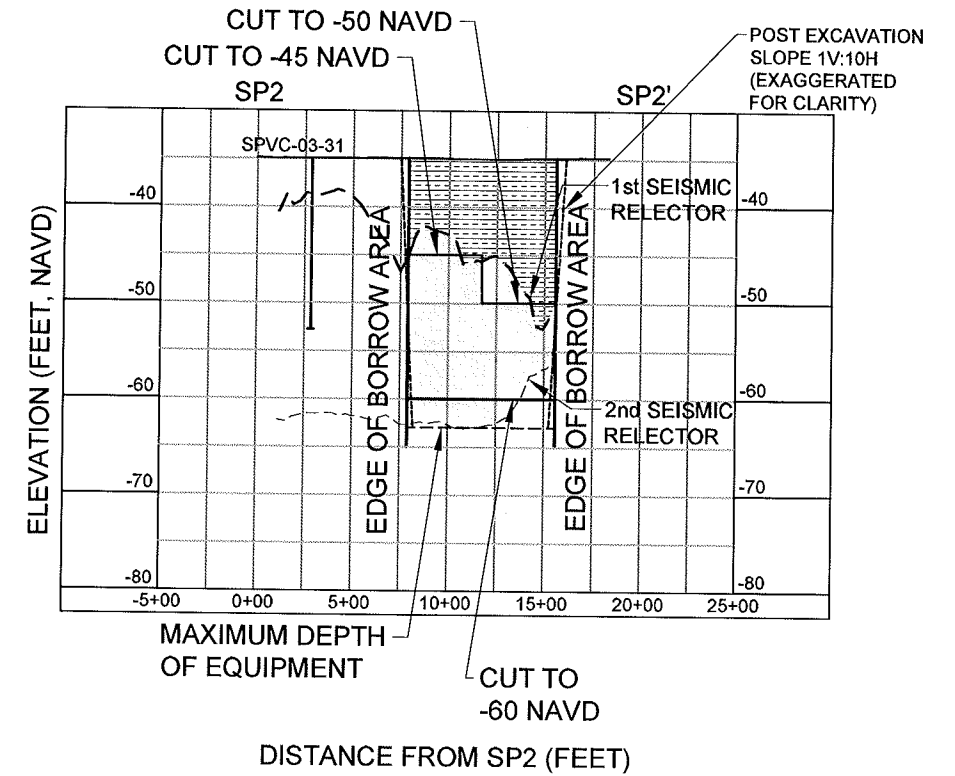
DRAWING NO. **BA-5**
 SHEET 12 OF 35

Checked by:	Designed by:	Reference File:	Revisions
AMIS	GT	BA-38-1-12.dwg	1 1/28/04 MAX DEPTH CUTS REPLACED WITH SUB
GT	AMIS	BA-38-1-12.dwg	2 5/26/09 REMOVE DREDGE CUTS
AW	AW	BA-38-1-12.dwg	3 12/22/09 LEGEND REVISION

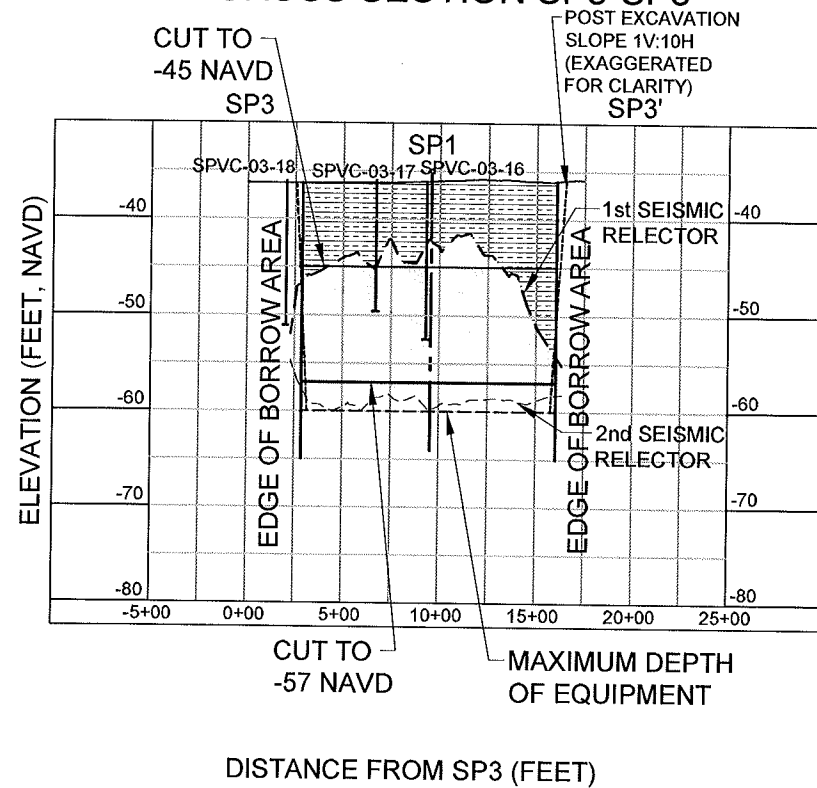
SANDY POINT NW BORROW AREA
CROSS SECTION SP1-SP1'



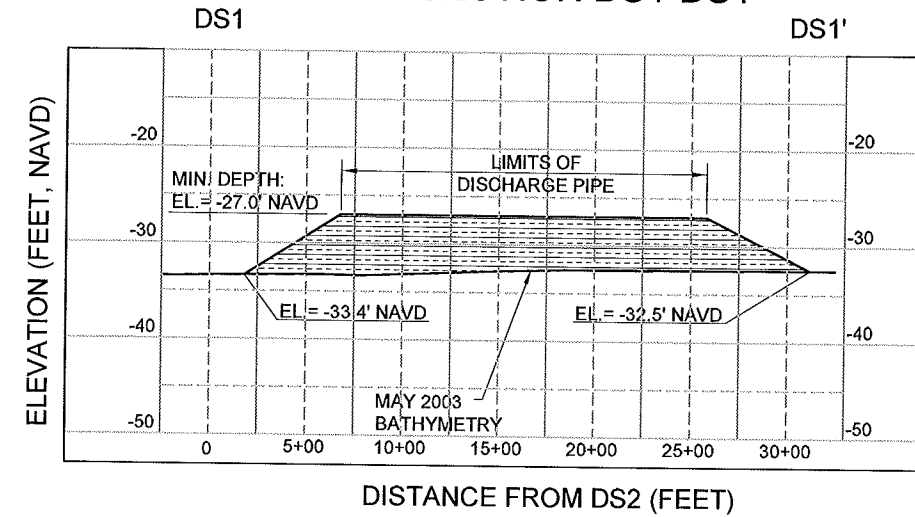
SANDY POINT NW BORROW AREA
CROSS SECTION SP2-SP2'



SANDY POINT NW BORROW AREA
CROSS SECTION SP3-SP3'



SANDY POINT NW DISPOSAL SITE
CROSS SECTION DS1-DS1'



NOTES:

1. CORES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE.
2. VERTICAL THICKNESS OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
3. SEE SHEETS 10-12 FOR LOCATION OF CROSS SECTION LINES.
4. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 88.
5. MAXIMUM DEPTH OF EQUIPMENT 3 FEET BELOW DESIGN CUT DEPTH.

LEGEND:

- BEACH FILL SEDIMENTS
- SURFACE SILT/CLAY
- INTERMITTENT ACOUSTIC RELECTOR WITHIN SAND DEPOSIT
- DREDGE CUTS
- MAXIMUM DEPTH OF EQUIPMENT



No.	Date	Description
1	4/26/04	ADD SUP. MATERIALS
2	5/12/05	REV. 2005 TO 2004 BA CUTS

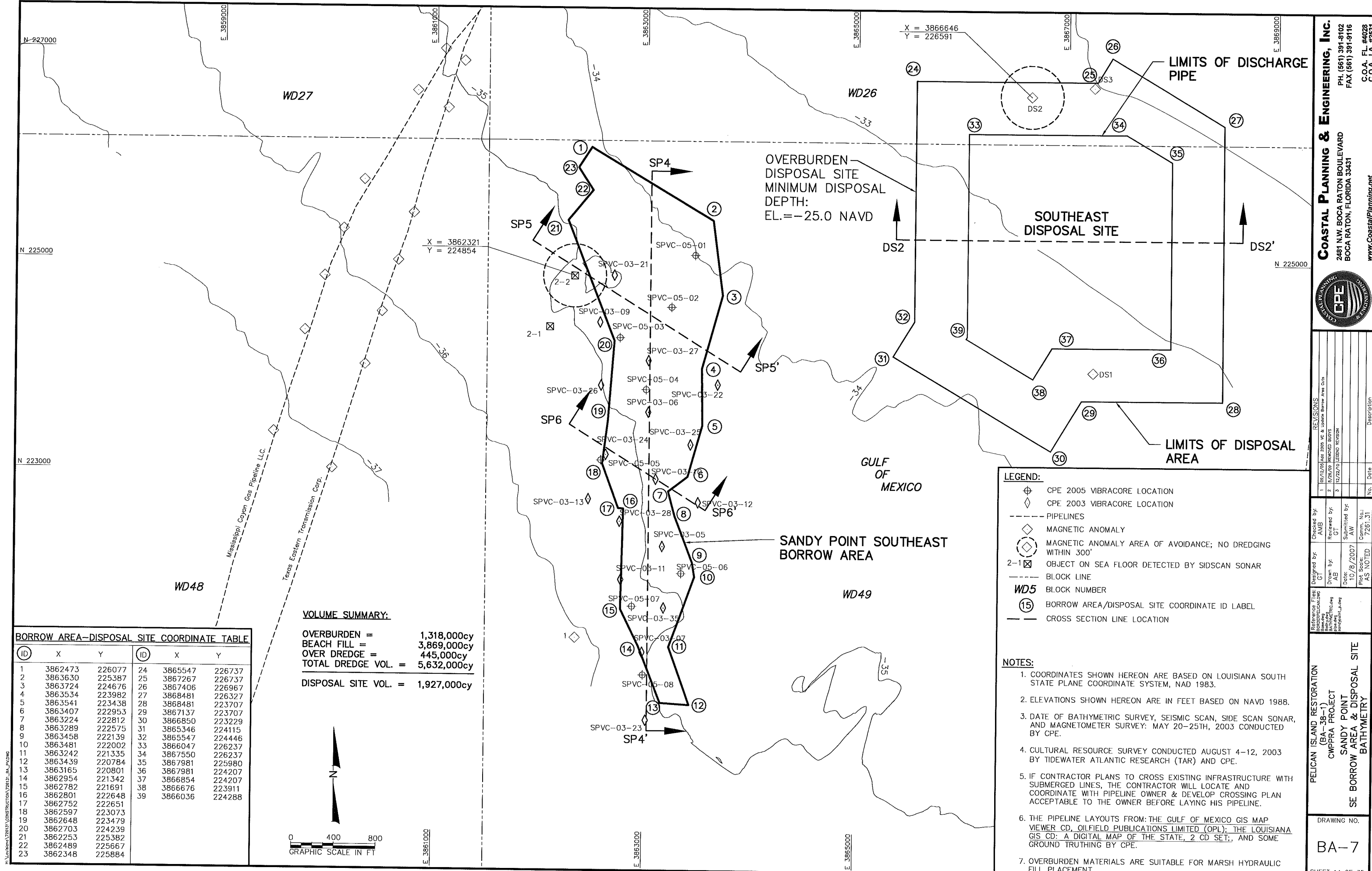
Checked by:	AMB
Designed by:	GT
Drawn by:	TW
Date:	10/8/2007
Submitted by:	AW
Comm. No.:	7281.31
Plot Scale:	AS NOTED

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPRA PROJECT
SANDY POINT NW
BORROW AREA AND DISPOSAL SITE
CROSS SECTIONS

DRAWING NO.

BA-6

SHEET 13 OF 35



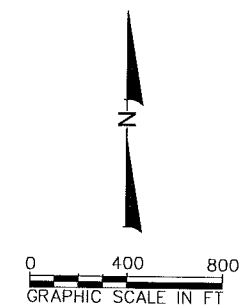
BORROW AREA-DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3862473	226077	24	3865547	226737
2	3863630	225387	25	3867267	226737
3	3863724	224676	26	3867406	226967
4	3863534	223982	27	3868481	226327
5	3863541	223438	28	3868481	223707
6	3863407	222953	29	3867137	223707
7	3863224	222812	30	3866850	223229
8	3863289	222575	31	3865346	224115
9	3863458	222139	32	3865547	224446
10	3863481	222002	33	3866047	226237
11	3863242	221335	34	3867550	226237
12	3863439	220784	35	3867981	225980
13	3863165	220801	36	3867981	224207
14	3862954	221342	37	3866854	224207
15	3862782	221691	38	3866676	223911
16	3862801	222648	39	3866036	224288
17	3862752	222651			
18	3862597	223073			
19	3862648	223479			
20	3862703	224239			
21	3862253	225382			
22	3862489	225667			
23	3862348	225884			

VOLUME SUMMARY:

OVERBURDEN = 1,318,000cy
 BEACH FILL = 3,869,000cy
 OVER DREDGE = 445,000cy
 TOTAL DREDGE VOL. = 5,632,000cy

DISPOSAL SITE VOL. = 1,927,000cy



- LEGEND:**
- ⊕ CPE 2005 VIBRACORE LOCATION
 - ◇ CPE 2003 VIBRACORE LOCATION
 - PIPELINES
 - ◇ MAGNETIC ANOMALY
 - ⊕ MAGNETIC ANOMALY AREA OF AVOIDANCE; NO DREDGING WITHIN 300'
 - 2-1 ⊗ OBJECT ON SEA FLOOR DETECTED BY SIDSCAN SONAR
 - BLOCK LINE
 - WD5 BLOCK NUMBER
 - Ⓜ BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
 - CROSS SECTION LINE LOCATION

- NOTES:**
1. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
 2. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
 3. DATE OF BATHYMETRIC SURVEY, SEISMIC SCAN, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: MAY 20-25TH, 2003 CONDUCTED BY CPE.
 4. CULTURAL RESOURCE SURVEY CONDUCTED AUGUST 4-12, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
 5. IF CONTRACTOR PLANS TO CROSS EXISTING INFRASTRUCTURE WITH SUBMERGED LINES, THE CONTRACTOR WILL LOCATE AND COORDINATE WITH PIPELINE OWNER & DEVELOP CROSSING PLAN ACCEPTABLE TO THE OWNER BEFORE LAYING HIS PIPELINE.
 6. THE PIPELINE LAYOUTS FROM: THE GULF OF MEXICO GIS MAP VIEWER CD, OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD: A DIGITAL MAP OF THE STATE, 2 CD SET, AND SOME GROUND TRUTHING BY CPE.
 7. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC FILL PLACEMENT.

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REVISIONS

No.	Date	Description
1	10/12/05	Asst. 2005 AC & Update Borrow Area Out
2	5/28/09	REMOVED BATHY
3	11/22/10	LEGEND REVISION

Checked by: AMB
 Drawn by: AB
 Date: 10/8/2007
 Plot Scale: AS NOTED
 Comm. No.: 7281.31

PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT SANDY POINT SE BORROW AREA & DISPOSAL SITE BATHYMETRY

DRAWING NO. BA-7
 SHEET 14 OF 35

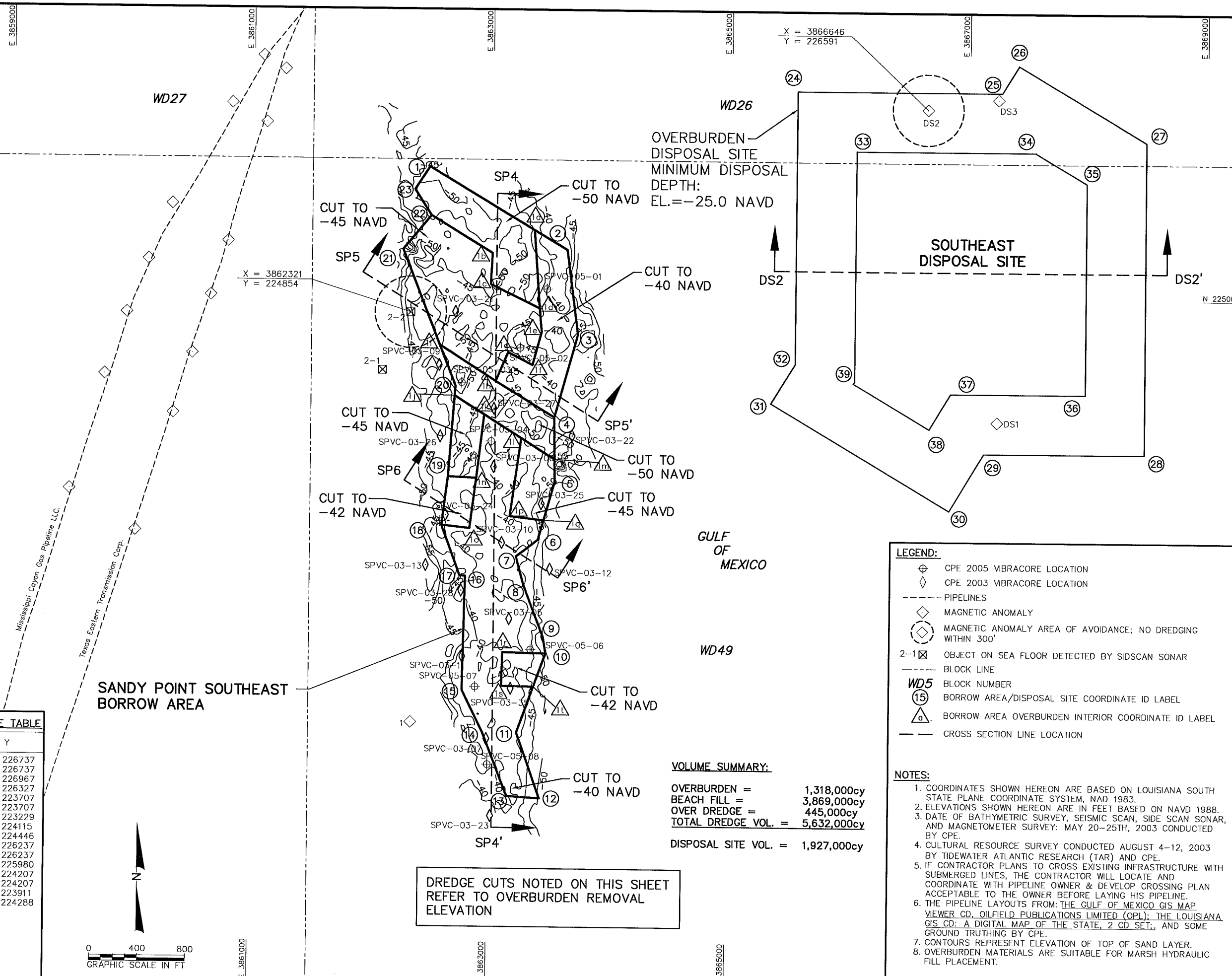
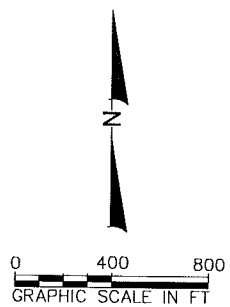
ID	X	Y
1a	3863355	225551
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1d	3863403	224894
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1g	3863143	224523
1h	3863041	224282
1i	3862568	224581
1j	3862697	224158
1k	3862947	224001
1l	3863259	223805
1m	3863539	223630
1n	3862886	223469
1o	3862833	223046
1p	3863169	223149
1q	3863452	223118
1r	3863120	222008
1s	3863112	221726
1t	3863380	221722

N 225000

N 223000

BORROW AREA-DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3862473	226077	24	3865547	226737
2	3863630	225387	25	3867267	226737
3	3863724	224676	26	3867406	226967
4	3863534	223982	27	3868481	226327
5	3863541	223438	28	3868481	223707
6	3863407	222953	29	3867137	223707
7	3863224	222812	30	3866850	223229
8	3863289	222575	31	3865346	224115
9	3863458	222139	32	3865547	224446
10	3863481	222002	33	3866047	226237
11	3863242	221335	34	3867550	226237
12	3863439	220784	35	3867981	225980
13	3863165	220801	36	3867981	224207
14	3862954	221342	37	3866854	224207
15	3862782	221691	38	3866676	223911
16	3862801	222648	39	3866036	224288
17	3862752	222651			
18	3862597	223073			
19	3862648	223479			
20	3862703	224239			
21	3862253	225382			
22	3862489	225667			
23	3862348	225884			



X = 3866646
Y = 226591

X = 3862321
Y = 224854

VOLUME SUMMARY:
 OVERBURDEN = 1,318,000cy
 BEACH FILL = 3,869,000cy
 OVER DREDGE = 445,000cy
 TOTAL DREDGE VOL. = 5,632,000cy
 DISPOSAL SITE VOL. = 1,927,000cy

DREDGE CUTS NOTED ON THIS SHEET REFER TO OVERBURDEN REMOVAL ELEVATION

- LEGEND:**
- ⊕ CPE 2005 VIBRACORE LOCATION
 - ◇ CPE 2003 VIBRACORE LOCATION
 - PIPELINES
 - ◇ MAGNETIC ANOMALY
 - ◇ MAGNETIC ANOMALY AREA OF AVOIDANCE; NO DREDGING WITHIN 300'
 - 2-1 ⊠ OBJECT ON SEA FLOOR DETECTED BY SIDSCAN SONAR
 - BLOCK LINE
 - WD5 BLOCK NUMBER
 - Ⓜ BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
 - △ BORROW AREA OVERBURDEN INTERIOR COORDINATE ID LABEL
 - CROSS SECTION LINE LOCATION
- NOTES:**
- COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
 - ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
 - DATE OF BATHYMETRIC SURVEY, SEISMIC SCAN, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: MAY 20-25TH, 2003 CONDUCTED BY CPE.
 - CULTURAL RESOURCE SURVEY CONDUCTED AUGUST 4-12, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
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 - CONTOURS REPRESENT ELEVATION OF TOP OF SAND LAYER.
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 C.O.A. LA #2531
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No.	Date	Description
1	3/28/04	MAX DREDGE CUTS REPLACED WITH HUD
2	02/12/05	REMOVAL DREDGE CUTS
3	5/28/08	REMOVED BLOWNS
4	12/22/10	LEGEND REVISION

Checked by	Designed by	Plotted by
AMB	GT	AMB
Reviewed by	Drawn by	Date
GT	AMB	10/8/2007
Submitted by	Plot Scale	Comm. No.
AW	AS NOTED	7281.31

PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT
 SANDY POINT SE BORROW AREA ELEVATION OF SILT/CLAY SAND INTERFACE CONTOUR MAP

DRAWING NO. BA-8
 SHEET 15 OF 35

BORROW AREA-INTERIOR COORDINATE TABLE

ID	X	Y
a	3863537	223793
b	3863414	222981
c	3863070	222628
d	3863045	221668
e	3863357	221657

N 225000

N 223000

BORROW AREA-DISPOSAL SITE COORDINATE TABLE

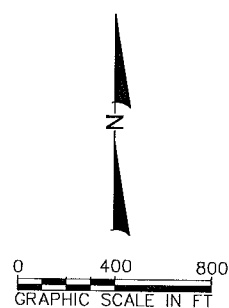
ID	X	Y	ID	X	Y
1	3862473	226077	24	3865547	226737
2	3863630	225387	25	3867267	226737
3	3863724	224676	26	3867406	226967
4	3863534	223982	27	3868481	226327
5	3863541	223438	28	3868481	223707
6	3863407	222953	29	3867137	223707
7	3863224	222812	30	3866850	223229
8	3863289	222575	31	3865346	224115
9	3863458	222139	32	3865547	224446
10	3863481	222002	33	3866047	226237
11	3863242	221335	34	3867550	226237
12	3863439	220784	35	3867981	225980
13	3863165	220801	36	3867981	224207
14	3862954	221342	37	3866854	224207
15	3862782	221691	38	3866676	223911
16	3862801	222648	39	3866036	224288
17	3862752	222651			
18	3862597	223073			
19	3862648	223479			
20	3862703	224239			
21	3862253	225382			
22	3862489	225667			
23	3862348	225884			

Mississippi Canyon Gas Pipeline LLC.
Texas Eastern Transmission Corp.

WD27

WD48

SANDY POINT SOUTHEAST BORROW AREA

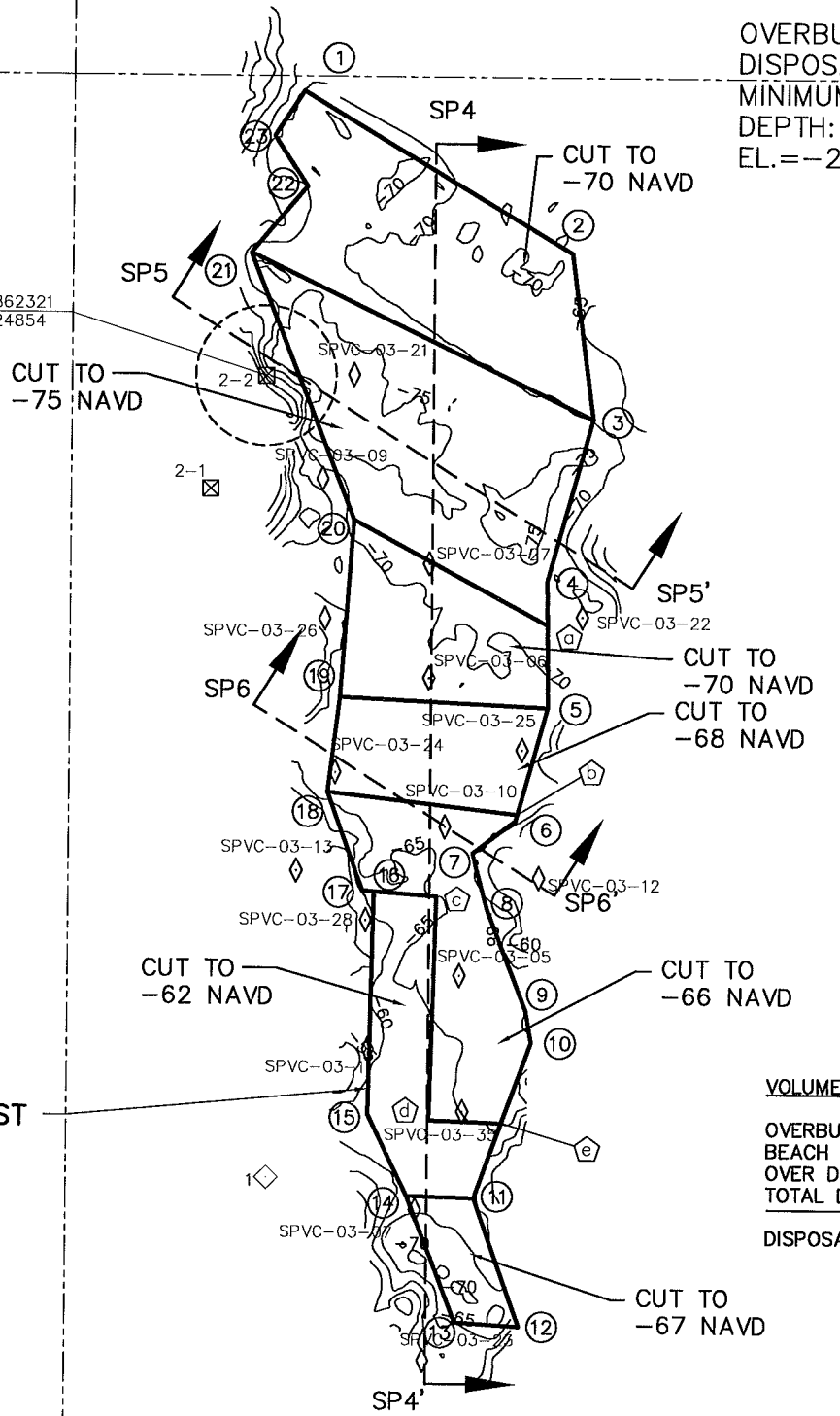


X = 3862321
Y = 224854

E. 3861000

E. 3863000

E. 3865000



OVERBURDEN DISPOSAL SITE
MINIMUM DISPOSAL DEPTH:
EL. = -25.0 NAVD

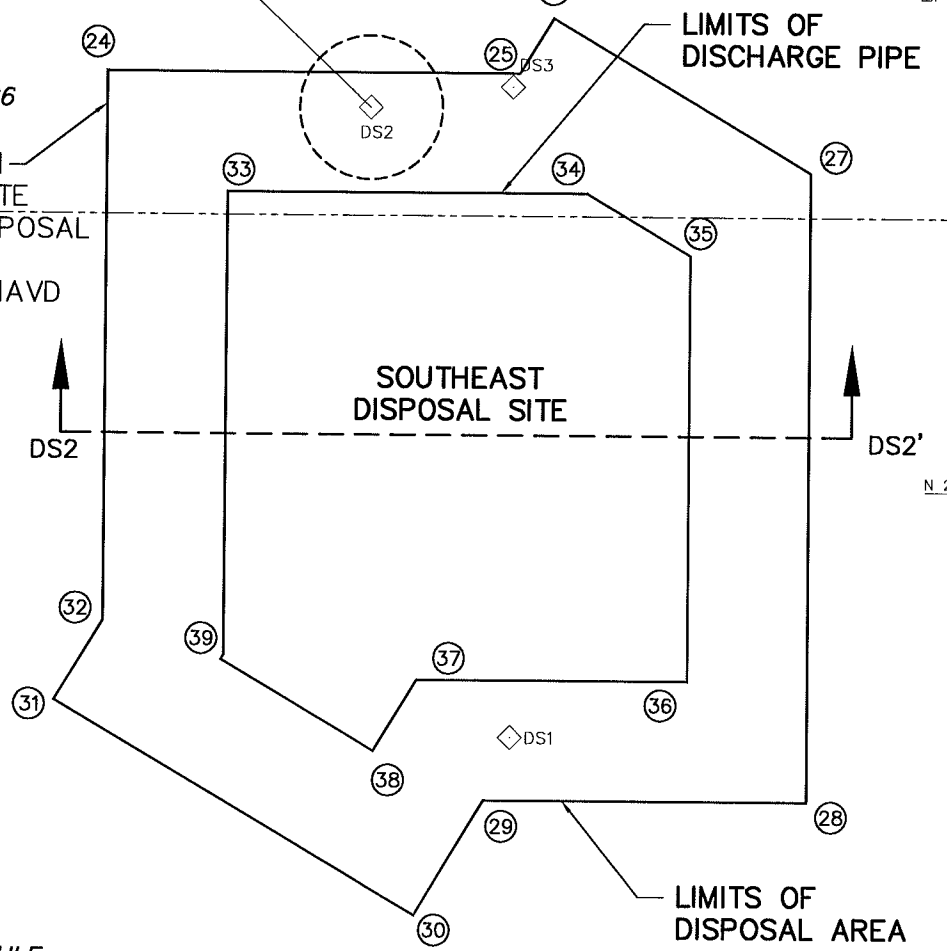
VOLUME SUMMARY:
OVERBURDEN = 1,318,000cy
BEACH FILL = 3,869,000cy
OVER DREDGE = 445,000cy
TOTAL DREDGE VOL. = 5,632,000cy
DISPOSAL SITE VOL. = 1,927,000cy

DREDGE CUTS NOTED ON THIS SHEET REFER TO REMOVAL ELEVATION OF BEACH AND DUNE CONSTRUCTION MATERIAL.

X = 3866646
Y = 226591

E. 3867000

E. 3869000



LEGEND:

- ⊕ CPE 2005 VIBRACORE LOCATION
- ◇ CPE 2003 VIBRACORE LOCATION
- PIPELINES
- ◇ MAGNETIC ANOMALY
- ⊕ MAGNETIC ANOMALY AREA OF AVOIDANCE; NO DREDGING WITHIN 300'
- 2-1 ⊠ OBJECT ON SEA FLOOR DETECTED BY SIDSCAN SONAR
- BLOCK LINE
- WD5 BLOCK NUMBER
- Ⓜ BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- Ⓜ BORROW AREA SAND INTERIOR COORDINATE ID LABEL
- CROSS SECTION LINE LOCATION

NOTES:

1. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
2. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
3. DATE OF BATHYMETRIC SURVEY, SEISMIC SCAN, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: MAY 20-25TH, 2003 CONDUCTED BY CPE.
4. CULTURAL RESOURCE SURVEY CONDUCTED AUGUST 4-12, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
5. IF CONTRACTOR PLANS TO CROSS EXISTING INFRASTRUCTURE WITH SUBMERGED LINES, THE CONTRACTOR WILL LOCATE AND COORDINATE WITH PIPELINE OWNER & DEVELOP CROSSING PLAN ACCEPTABLE TO THE OWNER BEFORE LAYING HIS PIPELINE.
6. THE PIPELINE LAYOUTS FROM: THE GULF OF MEXICO GIS MAP VIEWER CD, OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD: A DIGITAL MAP OF THE STATE, 2 CD SET, AND SOME GROUND TRUTHING BY CPE.
7. CONTOURS REPRESENT ELEVATION OF BOTTOM OF SAND LAYER.
8. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC FILL PLACEMENT.

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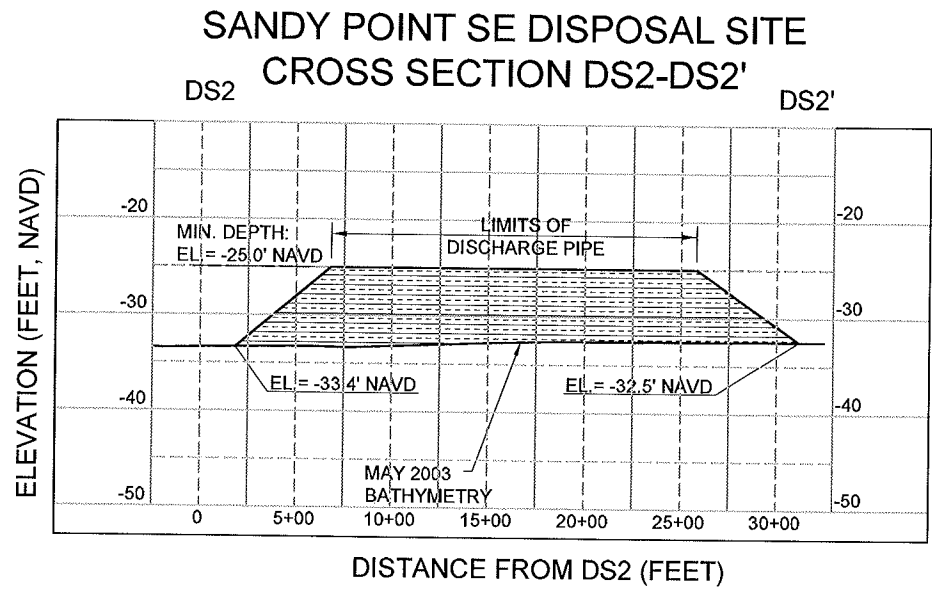
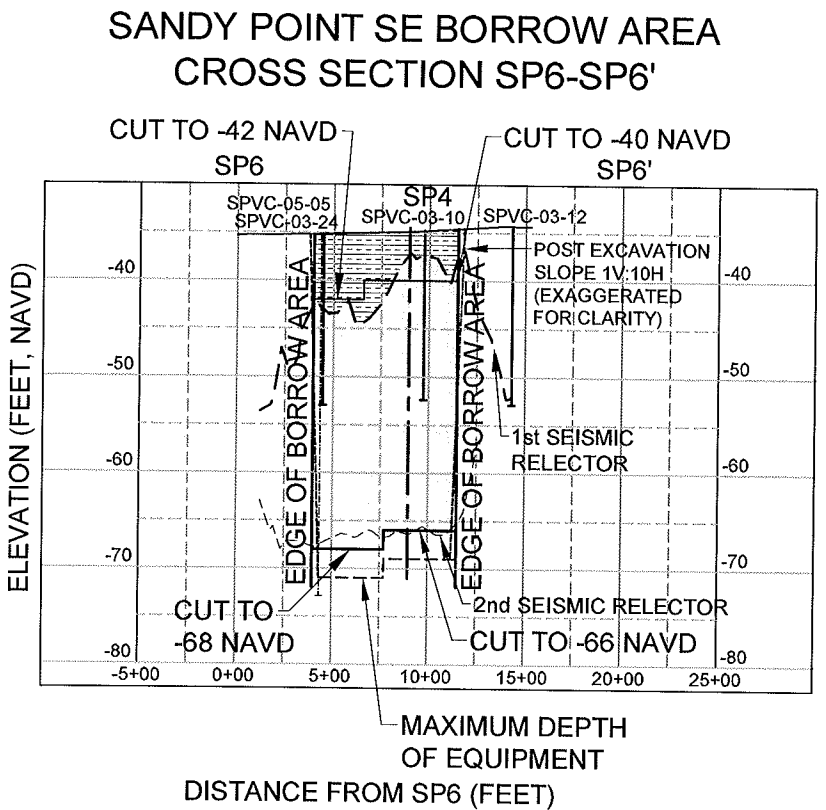
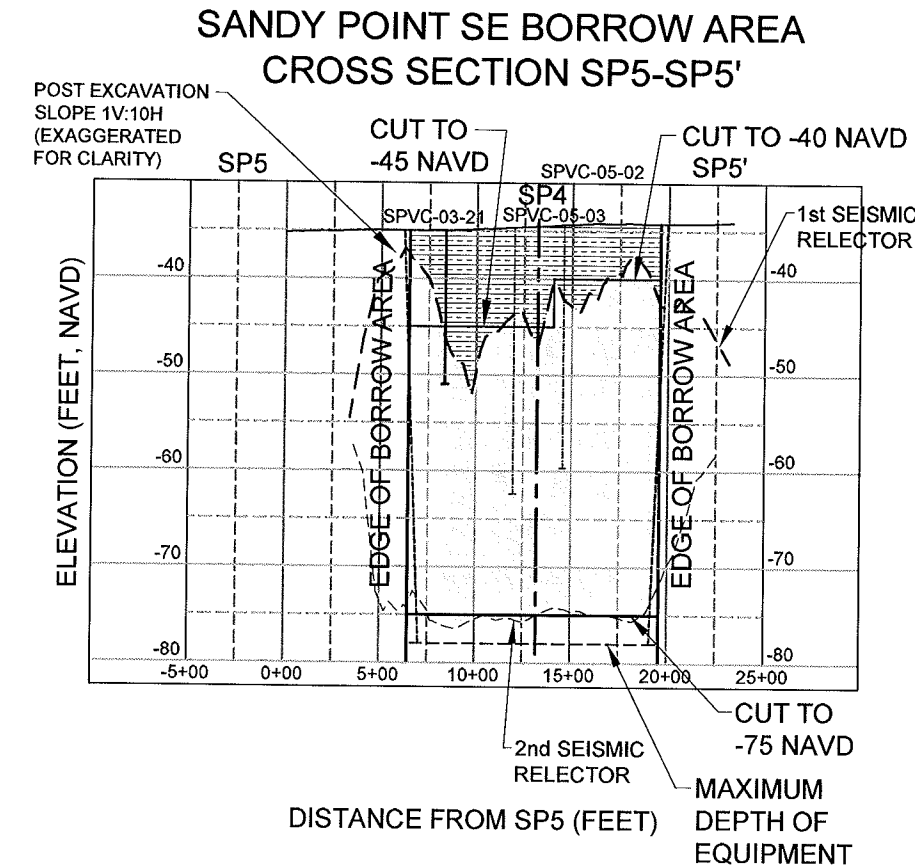
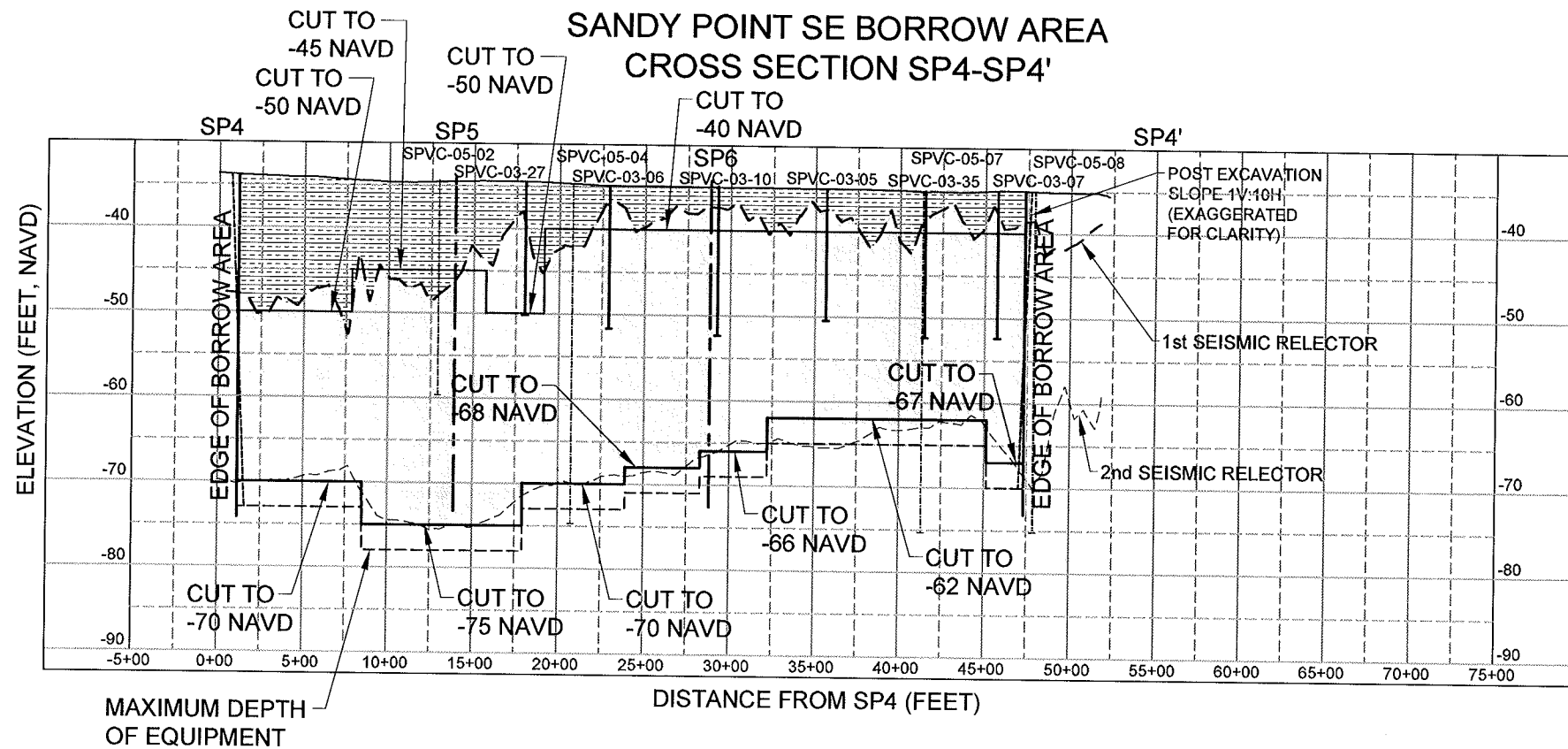


REVISIONS	No.	Date	Description
1. 05/12/04	1	05/12/04	ADD 2005 VIBRACORE LOCATIONS
2. 05/26/09	2	05/26/09	REMOVED BLOCKS
3. 12/22/10	3	12/22/10	LEGEND REVISION

Designed by:	Checked by:	Drawn by:	Reviewed by:	Submitted by:	Comm. No.:
GT	AMB	AMB	GT	AW	7261.31
Date:	10/8/2007	AS NOTED			

PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT SANDY POINT SE BORROW AREA BOTTOM ELEVATION OF SAND CONTOUR MAP

DRAWING NO. BA-9 SHEET 16 OF 35



- NOTES:**
1. CORES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE.
 2. VERTICAL THICKNESS OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
 3. SEE SHEETS 14-16 FOR LOCATION OF CROSS SECTION LINES.
 4. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 88.
 5. MAXIMUM DEPTH OF EQUIPMENT 3 FEET BELOW DESIGN CUT DEPTH.

- LEGEND:**
- BEACH FILL SEDIMENTS
 - SURFACE SILT/CLAY
 - INTERMITTENT ACOUSTIC REFLECTOR WITHIN SAND DEPOSIT
 - DREDGE CUTS
 - MAXIMUM DEPTH OF EQUIPMENT

PELICAN ISLAND RESTORATION (BA-38-1) CWPRA PROJECT SANDY POINT SE BORROW AREA AND DISPOSAL SITE BORROW AREA AND DISPOSAL SITE CROSS SECTIONS

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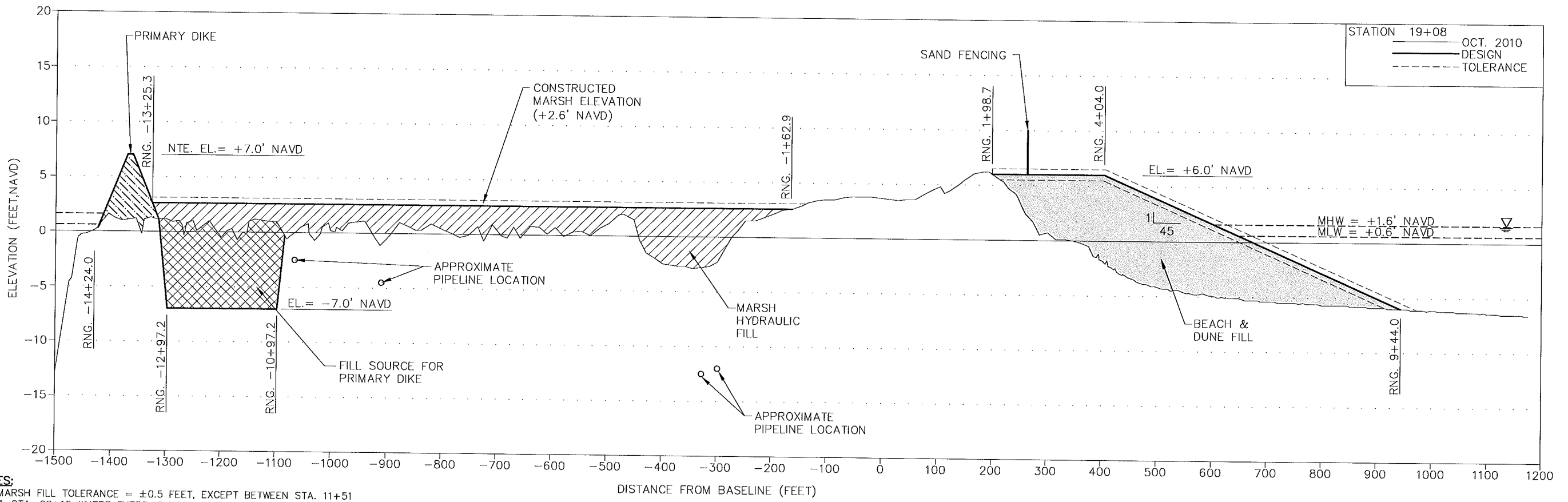
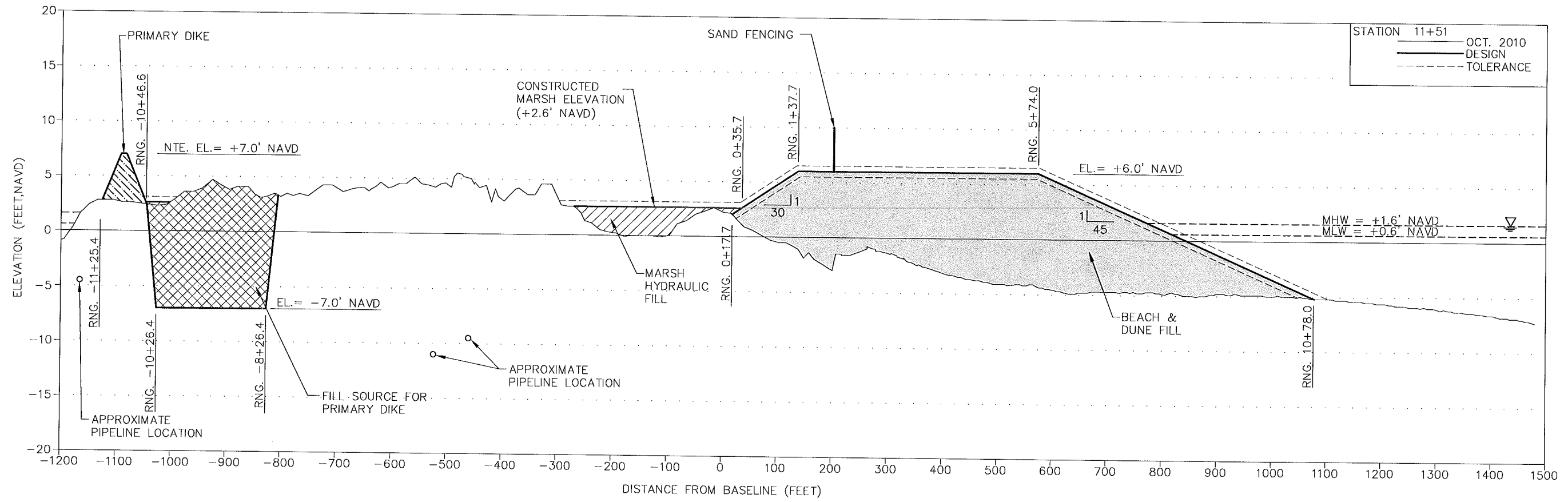
No.	Date	Description
1	10/8/2007	AS NOTED
2	10/8/2007	AS NOTED

Created by: AIB
Reviewed by: GT
Submitted by: AW
Comm. No.: 7261.31

Designed by: GT
Drawn by: TN
Date: 10/8/2007
Plot Scale: AS NOTED

DRAWING NO. **BA-10**

SHEET 17 OF 35



- NOTES:**
1. MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
 2. BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
 3. CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

STATION 11+51
 OCT. 2010
 DESIGN
 TOLERANCE

STATION 19+08
 OCT. 2010
 DESIGN
 TOLERANCE

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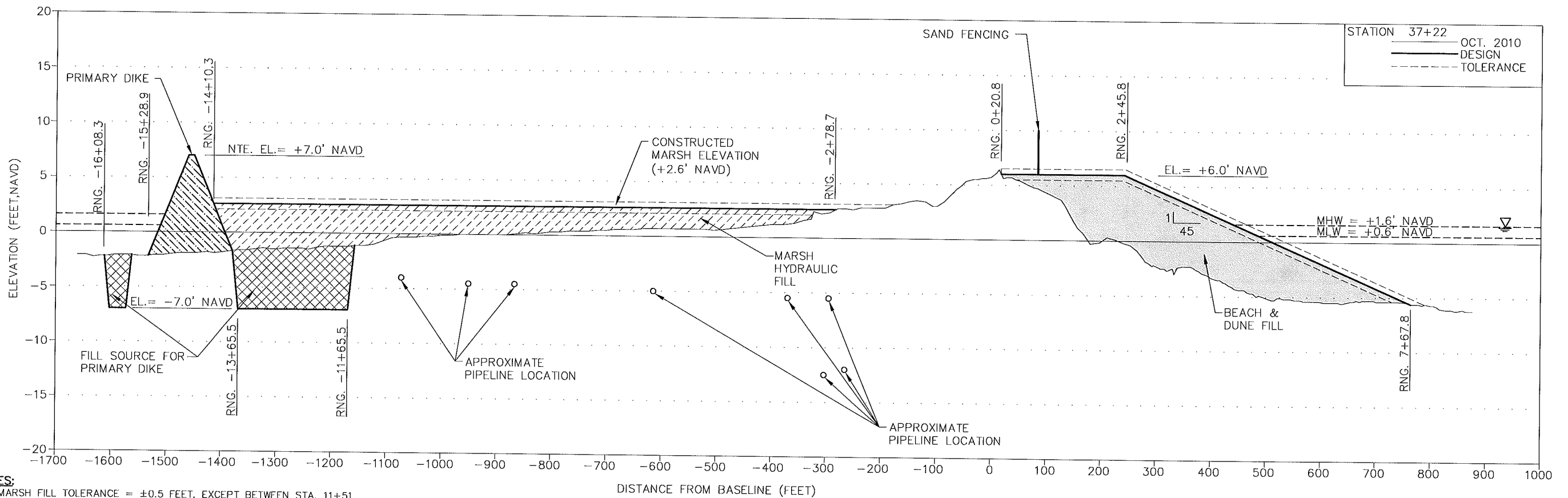
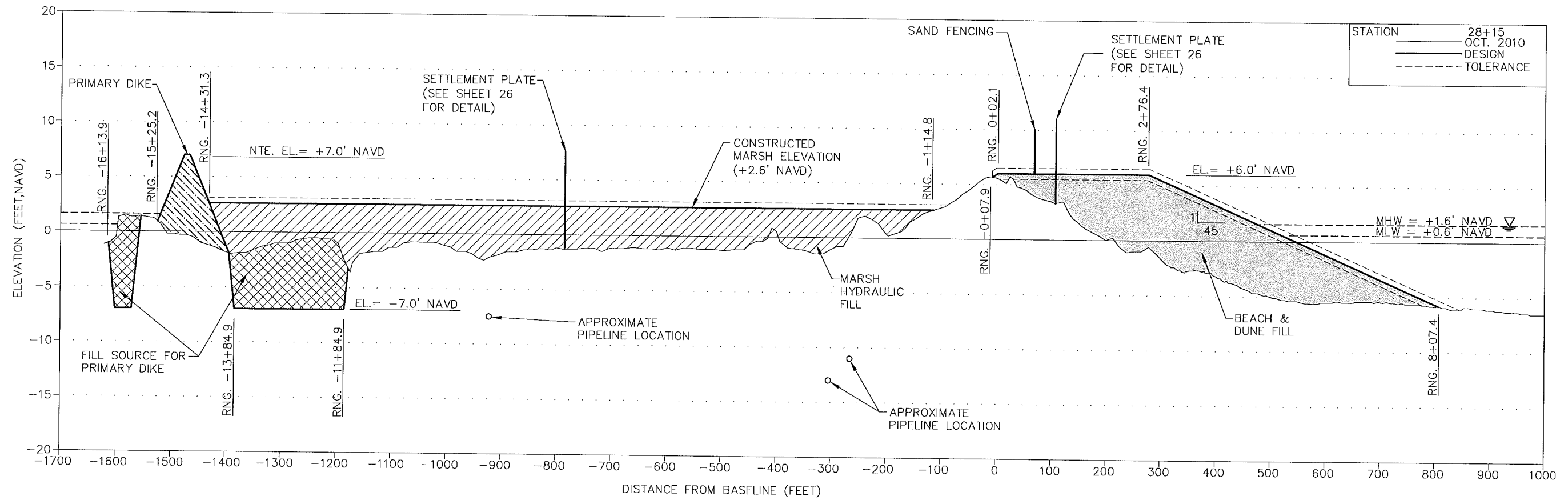


REVISIONS	No.	Date	Description
1	15/26/09		REVISED SURVEY & MARSH TOLERANCE

Checked by:	AMB
Reviewed by:	GT
Designed by:	CT
Drawn by:	AW
Date:	10/8/2007
Submitted by:	AW
Plot Scale:	AS NOTED
Comm. No.:	7261.31

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.
 XS-1
 SHEET 18 OF 33



- NOTES:**
- MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
 - BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
 - CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

STATION 28+15
 OCT. 2010
 DESIGN
 TOLERANCE

STATION 37+22
 OCT. 2010
 DESIGN
 TOLERANCE

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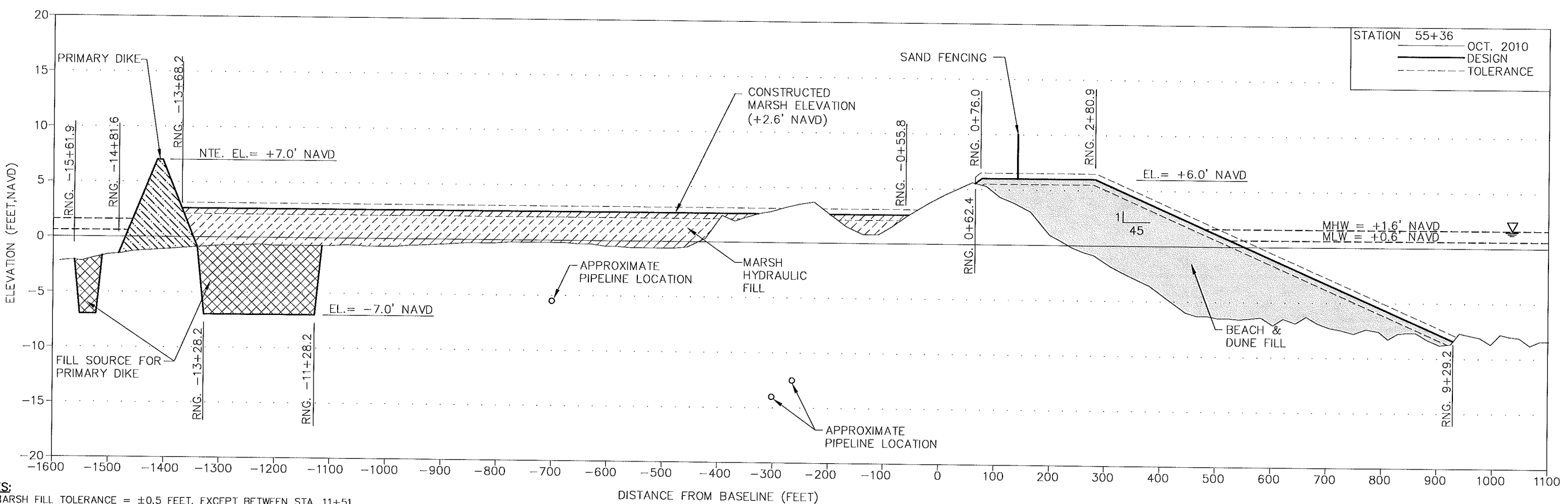
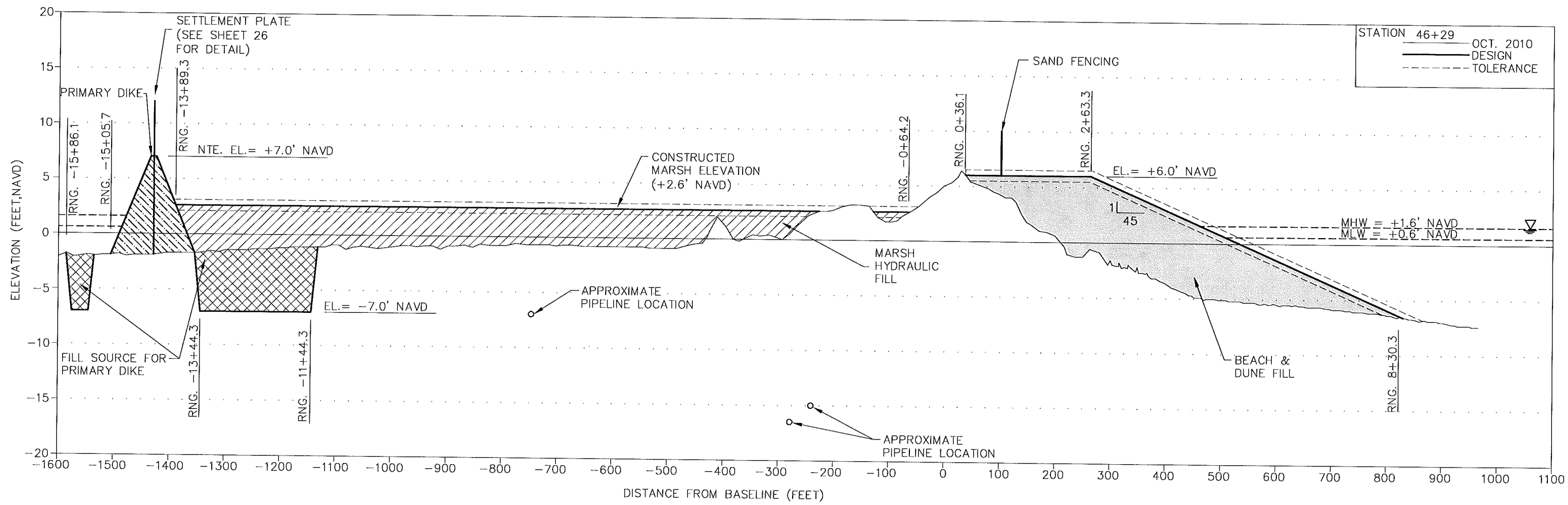


REVISIONS	No.	Date	Description
1	15/26/09		REVISED SURVEY & MARSH TOLERANCE

Designed by:	AMB
Drawn by:	TW
Date:	10/8/2007
Plot Scale:	AS NOTED
Checked by:	AMB
Reviewed by:	GT
Submitted by:	AW
Comm. No.:	7261.31

Reference Files:
 PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.
 XS-2
 SHEET 19 OF 33



- NOTES:**
- MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
 - BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
 - CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

STATION 46+29
 OCT. 2010
 DESIGN
 TOLERANCE

STATION 55+36
 OCT. 2010
 DESIGN
 TOLERANCE

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REVISIONS	No.	Date	Description
1. 1/29/08 REVISED SURVEY & MASH TOLERANCE			

Designed by:	CT	Checked by:	AMB
Drawn by:	TW	Reviewed by:	CT
Date:	10/8/2007	Submitted by:	AW
Plot Scale:	AS NOTED	Comm. No.:	726131

Reference Files:

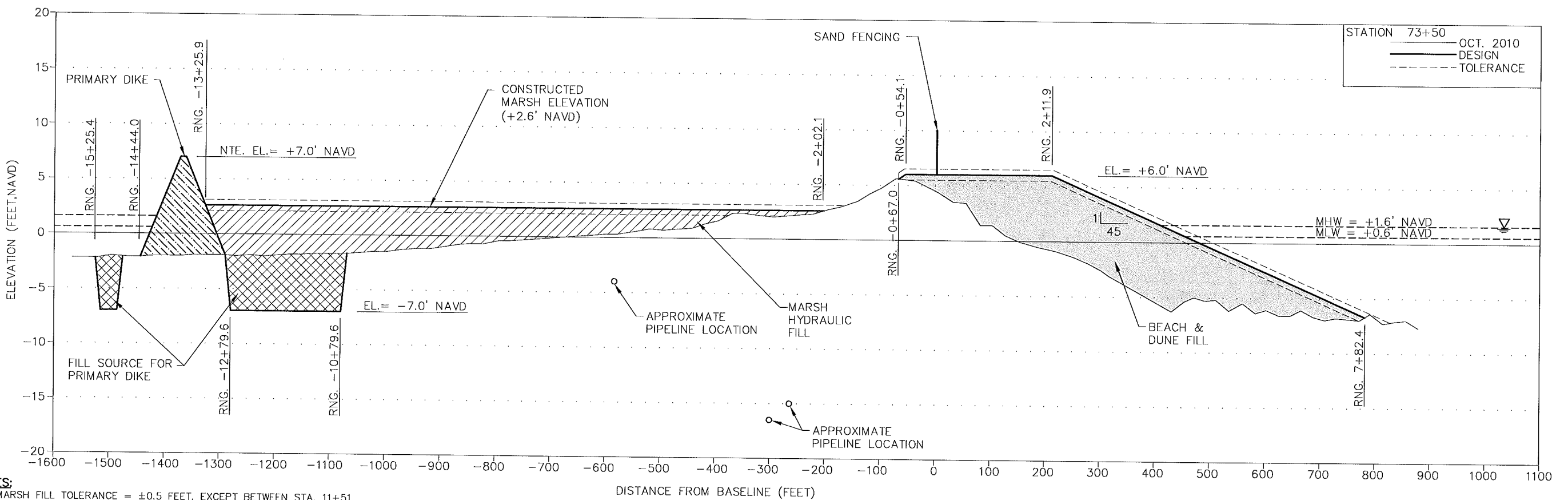
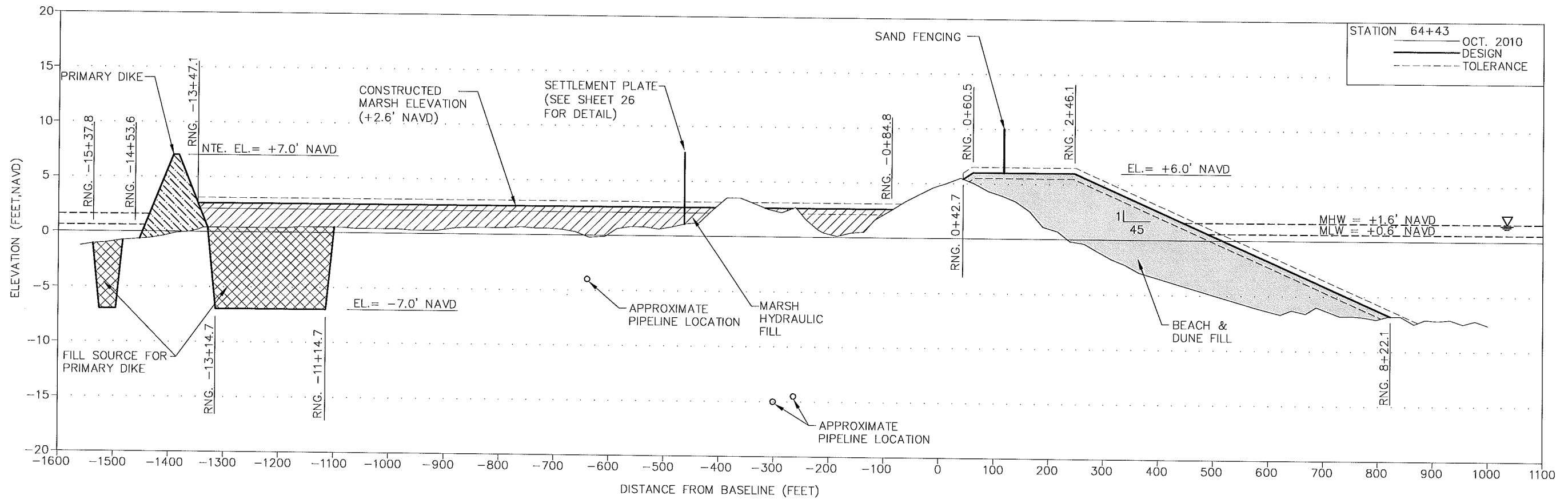
PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.

XS-3

SHEET 20 OF 33

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- NOTES:**
- MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
 - BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
 - CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

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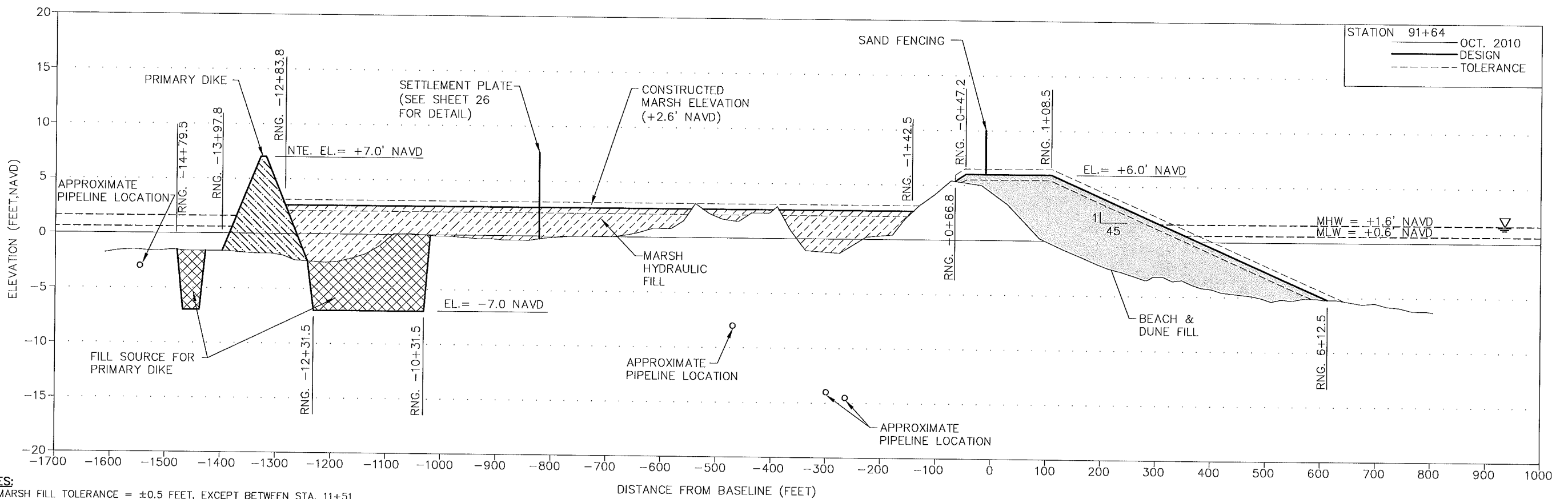
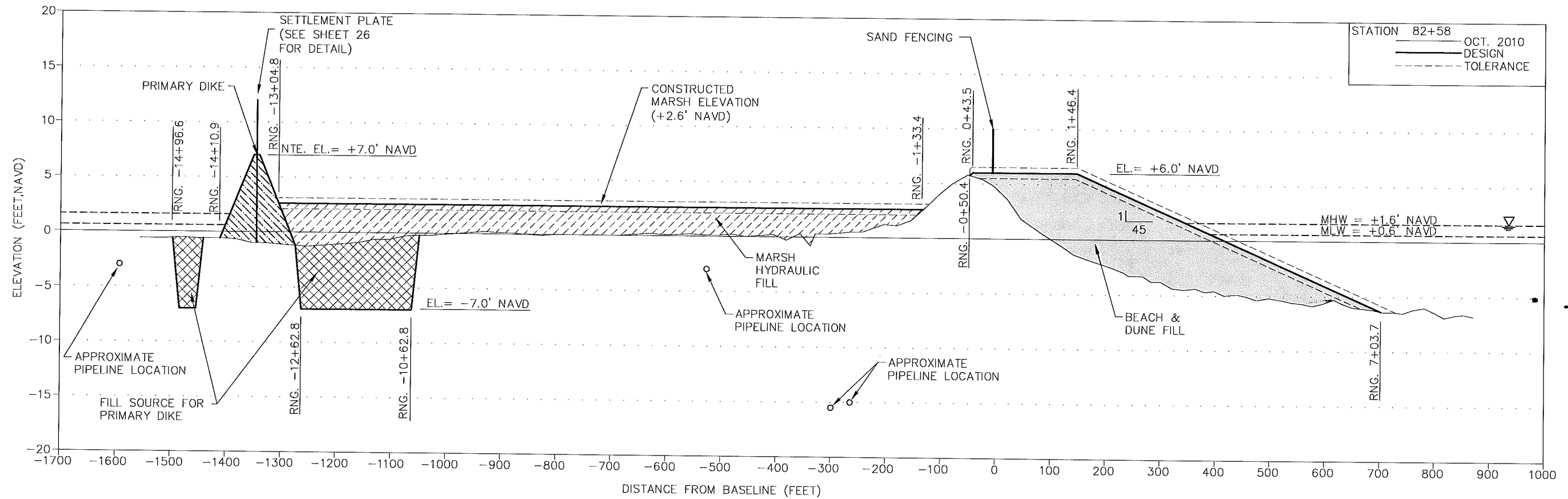
REVISIONS	No.	Date	Description
1	15/26/09		REVISED SURVEY & MARSH TOLERANCE

Designed by:	GT	Checked by:	AMB
Drawn by:	TW	Reviewed by:	GT
Date:	10/8/2007	Submitted by:	AW
Plot Scale:	AS NOTED	Comm. No.:	7281.31

Reference File:

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.
 XS-4
 SHEET 21 OF 33



- NOTES:**
- MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
 - BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
 - CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

STATION 82+58
 OCT. 2010
 DESIGN
 TOLERANCE

STATION 91+64
 OCT. 2010
 DESIGN
 TOLERANCE

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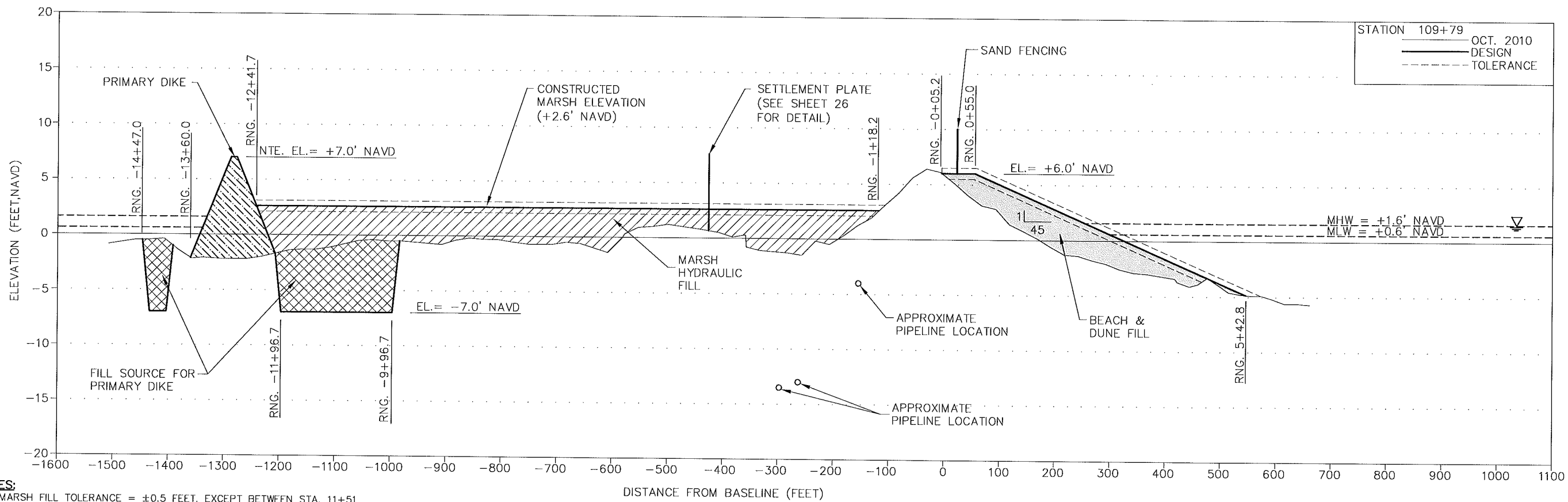
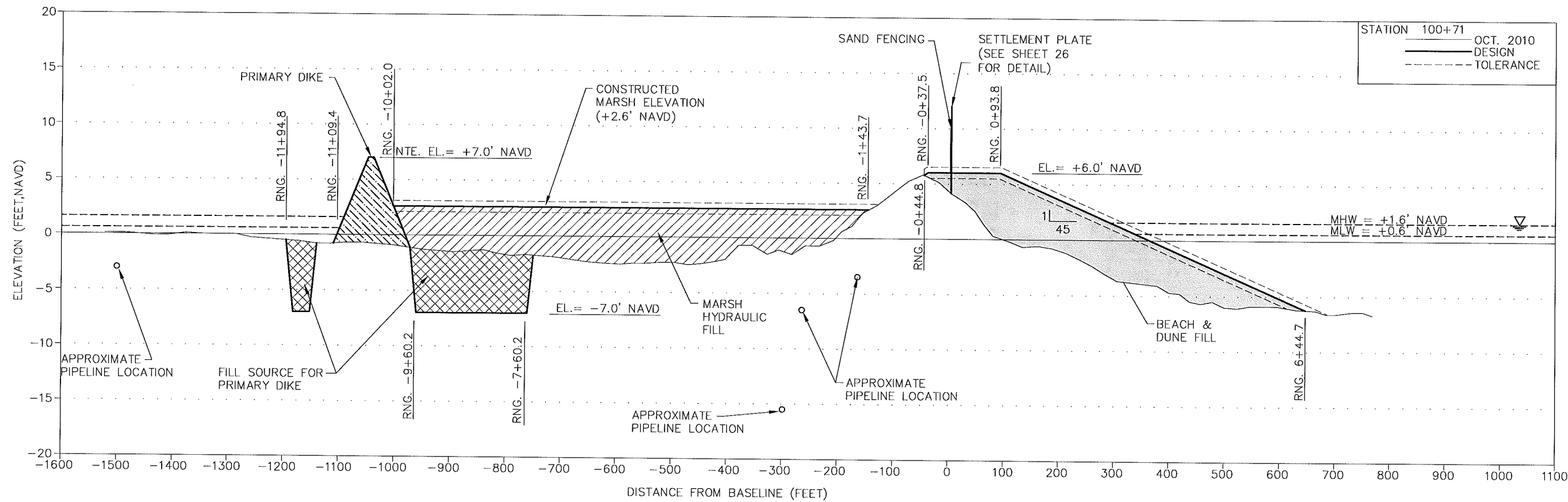


REVISIONS	No.	Date	Description
1	15/26/09		REVISED SURVEY & MARSH TOLERANCE

Designed by:	GT	Checked by:	AMB
Drawn by:	TW	Reviewed by:	GT
Date:	10/8/2007	Submitted by:	AW
Plot Scale:	AS NOTED	Comm. No.:	7281.31

Reference Files:
 PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.
 XS-5
 SHEET 22 OF 33



- NOTES:**
- MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
 - BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
 - CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

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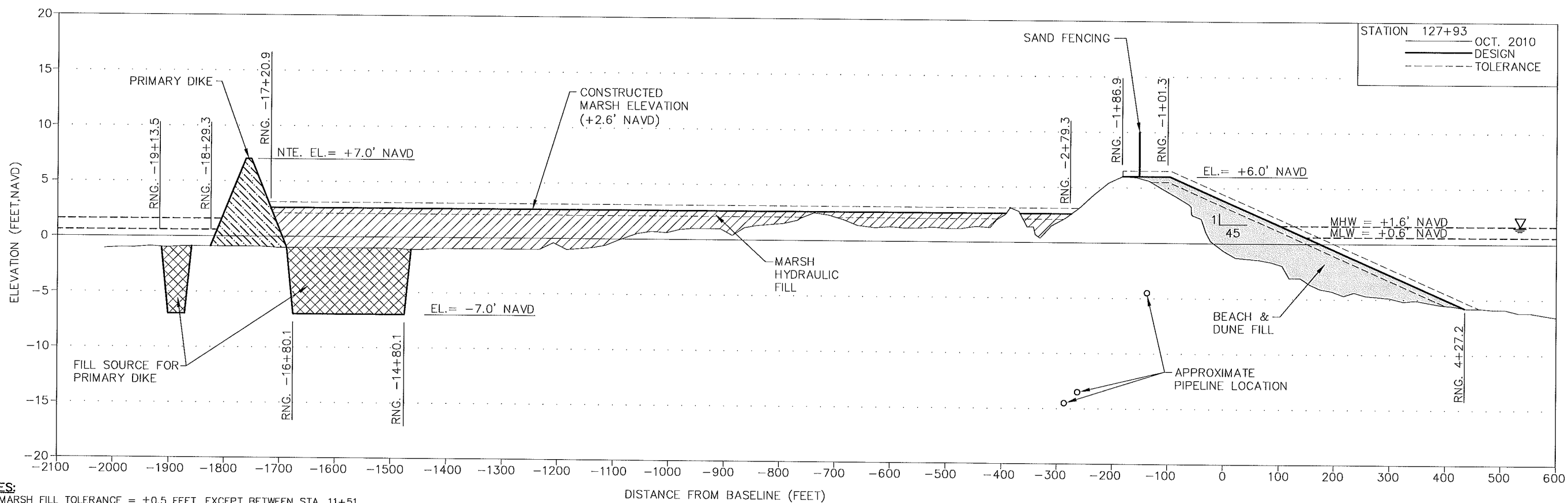
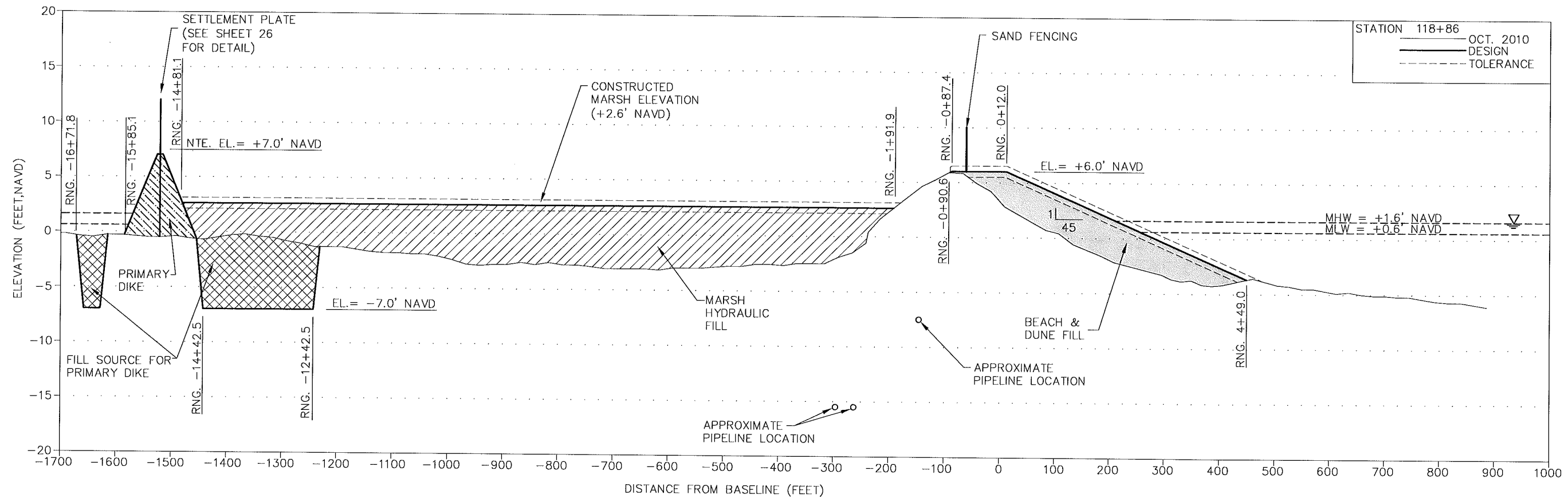


REVISIONS	Checked by	Designed by	Reference File
1	AMB	GT	15/26/09 REVISED SURVEY & MARSH TOLERANCE
	Reviewed by	Drawn by	
	GT	TW	
	Submitted by	Date:	
	AW	10/8/2007	
	Comm. No.:	Plot Scale:	
	7281.31	AS NOTED	
	No.	Date	Description

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.
 XS-6

SHEET 23 OF 33



- NOTES:**
- MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
 - BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
 - CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

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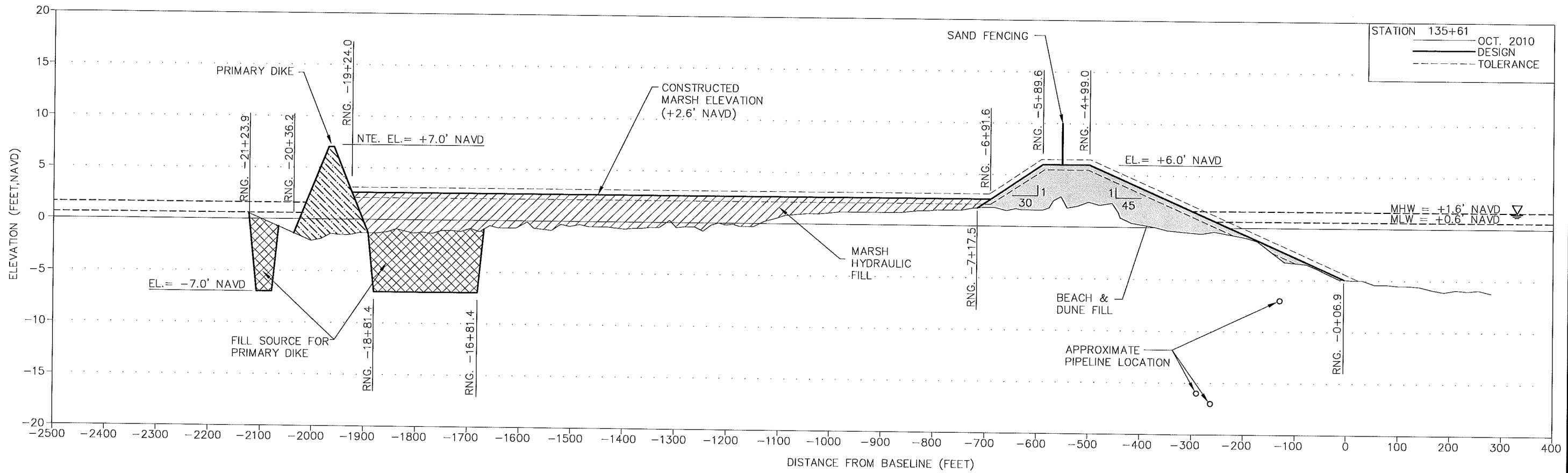


REVISIONS	No.	Date	Description
1	5/26/09		REVISED SURVEY & MARSH TOLERANCE

Checked by:	AMB
Reviewed by:	GT
Designed by:	GT
Drawn by:	TW
Date:	10/8/2007
Submitted by:	AW
Proj. No.:	AS NOTED
Comm. No.:	7261.31

Reference Files:
 PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.
XS-7
 SHEET 24 OF 33



NOTES:

- MARSH FILL TOLERANCE = ±0.5 FEET, EXCEPT BETWEEN STA. 11+51 & STA. 28+15 WHERE THERE IS NO LOWER TOLERANCE.
- BEACH & DUNE FILL TOLERANCE = ±0.5 FEET.
- CROSS SECTIONS SHOWN ARE FOR 1.4M CUBIC YARDS OF BEACH & DUNE FILL AND 1.6M CUBIC YARDS OF MARSH FILL.

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REVISIONS	No.	Date	Description
1	12/26/09		REVISED SURVEY & MARSH TOLERANCE

Designed by:	GT	Checked by:	AMB
Drawn by:	TW	Reviewed by:	GT
Date:	10/8/2007	Submitted by:	AW
Plot Scale:	AS NOTED	Comm. No.:	7261.31

Reference Files:

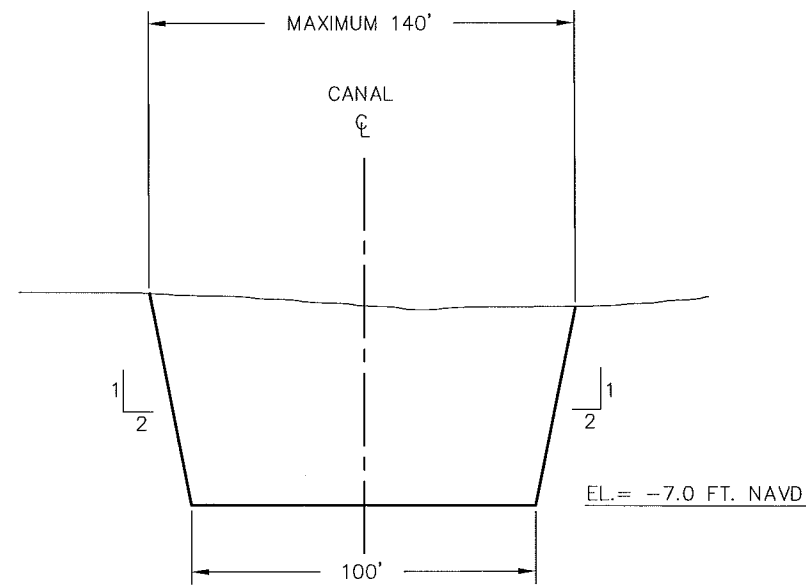
PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 CROSS SECTIONS

DRAWING NO.

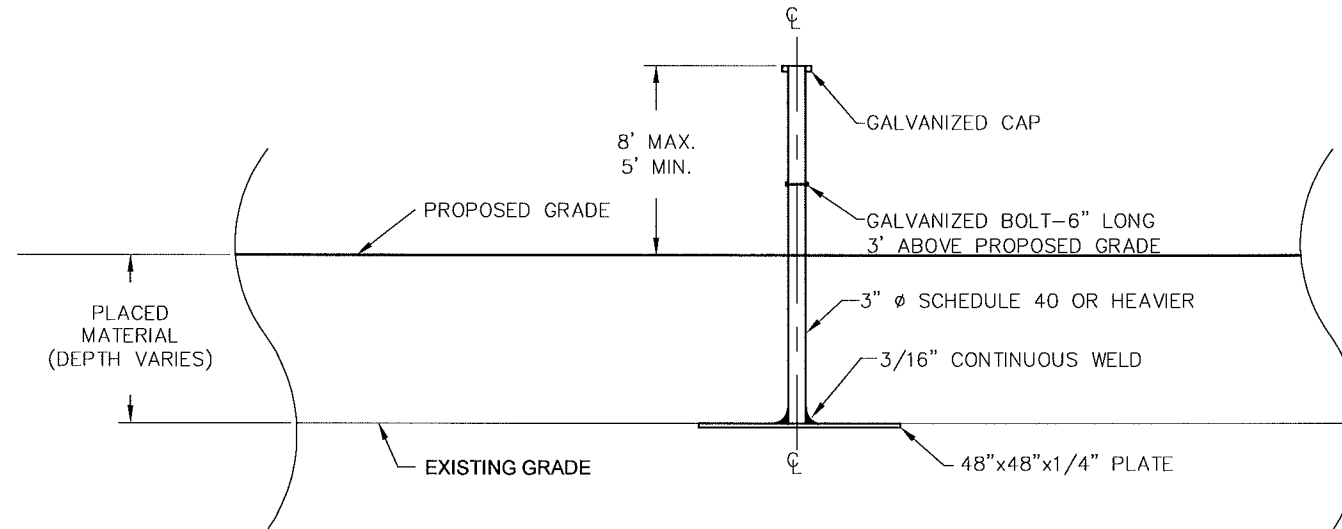
XS-8

SHEET 25 OF 33

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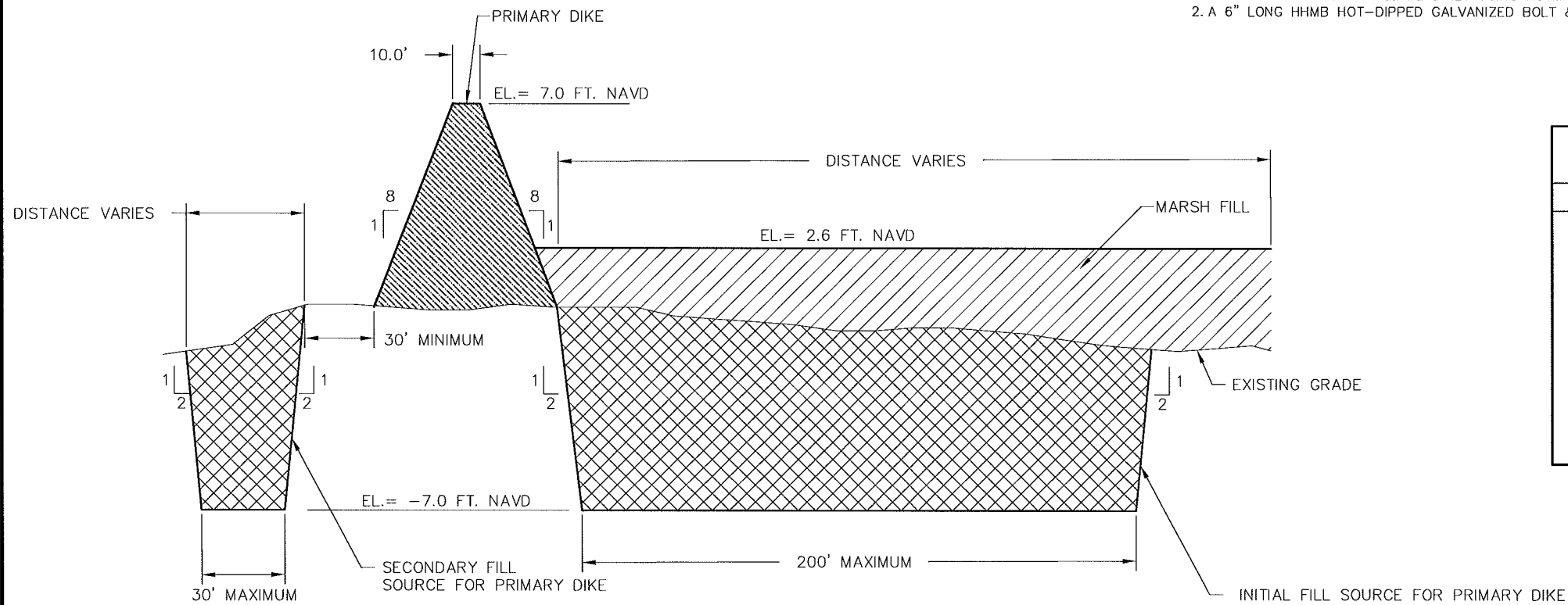
TYPICAL ACCESS CHANNEL CROSS SECTION
NOT TO SCALE



SETTLEMENT PLATE DETAIL
NOT TO SCALE

NOTES:

1. SETTLEMENT PLATES SHALL BE BUILT USING ASTM A36 STEEL AND HOT-DIPPED GALVANIZED AFTER FABRICATION.
2. A 6" LONG HHMB HOT-DIPPED GALVANIZED BOLT & WASHER SHALL BE INSTALLED 3' ABOVE PROPOSED GRADE.



PRIMARY DIKE DETAIL
NOT TO SCALE

NOTES:

1. PRIMARY DIKE DEPICTED IN CROSS SECTION IS MAXIMUM DIKE SIZE. CONTRACTOR MAY CONSTRUCT A SMALLER DIKE AT THEIR DISCRETION.
2. NORTH LIMIT OF MARSH PAYMENT IS THE RANGE SHOWN ON THE PLANS DEFINED BY THE INTERSECTION OF THE MARSH AND PRIMARY DIKE.
3. MARSH FILL TOLERANCE EQUALS $\pm 0.5'$, EXCEPT BETWEEN STA. 11+51 AND STA. 28+00 WHERE THERE IS NO LOWER TOLERANCE.

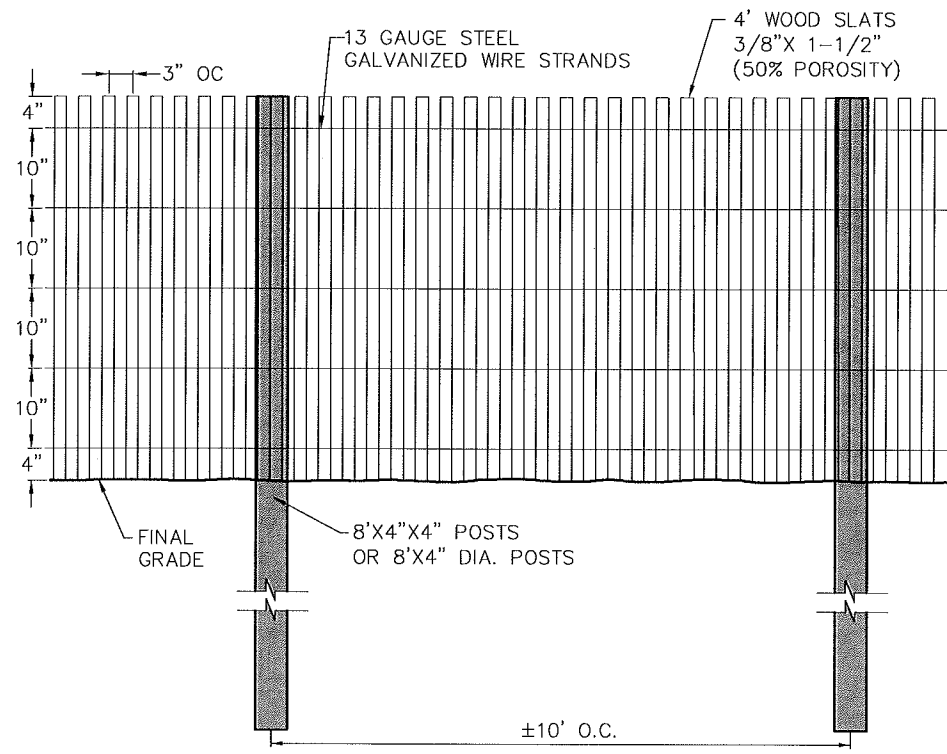
SETTLEMENT PLATE LOCATIONS		
STATION	RANGE	LOCATION
28+15	1+07	DUNE
28+15	-7+85	MARSH
46+29	-14+29	PRIMARY DIKE
64+43	-4+64	MARSH
82+58	-13+45	PRIMARY DIKE
91+64	-8+23	MARSH
100+71	0+05	DUNE
109+79	-4+26	MARSH
118+86	-15+21	PRIMARY DIKE



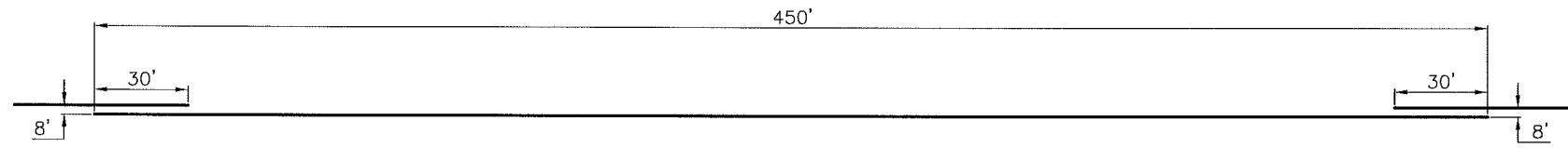
REVISIONS	Description	No.	Date
1	11/17/10 REVISED SETTLEMENT PLATE LOCATION TABLE (PRIMARY DIKE DETAIL AND ACCESS CHANNEL CROSS SECTION)		
2	12/22/10 REVISED PRIMARY DIKE DETAIL AND SETTLEMENT PLATE LOCATIONS		

Designed by:	Checked by:
Drawn by:	Reviewed by:
Date:	Submitted by:
Plot Scale:	Comm. No.:
AS NOTED	7251.31

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
TYPICAL ACCESS CHANNEL CROSS SECTION, PRIMARY DIKE AND SETTLEMENT PLATE DETAIL



FENCING DETAILS
NOT TO SCALE



FENCE GAPPING DIMENSIONS
NOT TO SCALE

SAND FENCE LAYOUT POINTS

EASTING	NORTHING	EASTING	NORTHING	EASTING	NORTHING
3831627.5	278585.3	3836078.5	277444.6	3840562.3	276360.1
3832051.1	278433.4	3836514.9	277334.8	3840993.7	276232.1
3832025.5	278451.1	3836483.9	277334.4	3840967.2	276248.3
3832449.1	278299.2	3836904.3	277228.6	3841306.2	276147.8
3832418.2	278301.8	3836920.6	277226.3	3841401.2	276131.2
3832489.1	278276.4	3836905.8	277236.5	3841370.3	276128.4
3832863.3	278257.7	3837337.7	277176.5	3841813.5	276050.9
3832833.7	278267.1	3837306.9	277172.7	3841785.4	276064.0
3833283.2	278244.7	3837752.7	277110.8	3842205.6	275990.4
3833252.8	278238.2	3837724.0	277122.9	3842228.7	275986.8
3833417.8	278230.0	3837810.4	277110.9	3842197.7	275983.7
3833691.3	278150.6	3838161.7	277020.0	3842642.3	275914.4
3833664.7	278166.6	3838130.6	277019.8	3842613.9	275926.9
3834096.9	278041.2	3838566.3	276907.1	3843058.6	275857.7
3834065.9	278041.9	3838539.2	276922.4	3843027.7	275854.4
3834498.0	277916.5	3838685.7	276884.5	3843112.4	275841.2
3834471.5	277932.5	3838974.4	276807.8	3843467.9	275920.6
3834903.6	277807.1	3838943.3	276807.8	3843436.9	275921.9
3834872.6	277807.8	3839378.3	276692.2	3843876.0	276020.0
3835152.4	277726.6	3839351.3	276707.7	3843848.5	276005.7
3835303.6	277678.5	3839785.4	276588.9	3844225.6	276089.9
3835277.4	277695.2	3839754.3	276589.3		
3835706.3	277559.0	3840187.5	276467.5		
3835675.3	277560.5	3840160.8	276483.3		
3836018.8	277451.4	3840434.6	276406.3		
3836105.7	277429.5	3840593.3	276359.2		

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REVISIONS	NO.	DATE	DESCRIPTION
1	11/27/06		FENCE SAND FENCE LAYOUT POINTS AND GAP WIDTH

Designed by: GT	Checked by: AMB
Drawn by: AMB	Reviewed by: GT
Date: 10/8/2007	Submitted by: AW
Proj. Scale: AS NOTED	Comm. No.: 7261.31



LEGEND:
 —○— PIPELINES

NOTES:
 1. PHOTOGRAPH TAKEN IN 2008.
 2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
 3. DEPTH OF COVER MEASURED AUGUST 2008 BY JCLS.

MATCHLINE SEE SHEET 29

COASTAL PLANNING & ENGINEERING, INC.
 2481 N.W. BOCA RATON BOULEVARD
 BOCA RATON, FLORIDA 33431
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 C.C.A. LA #2531
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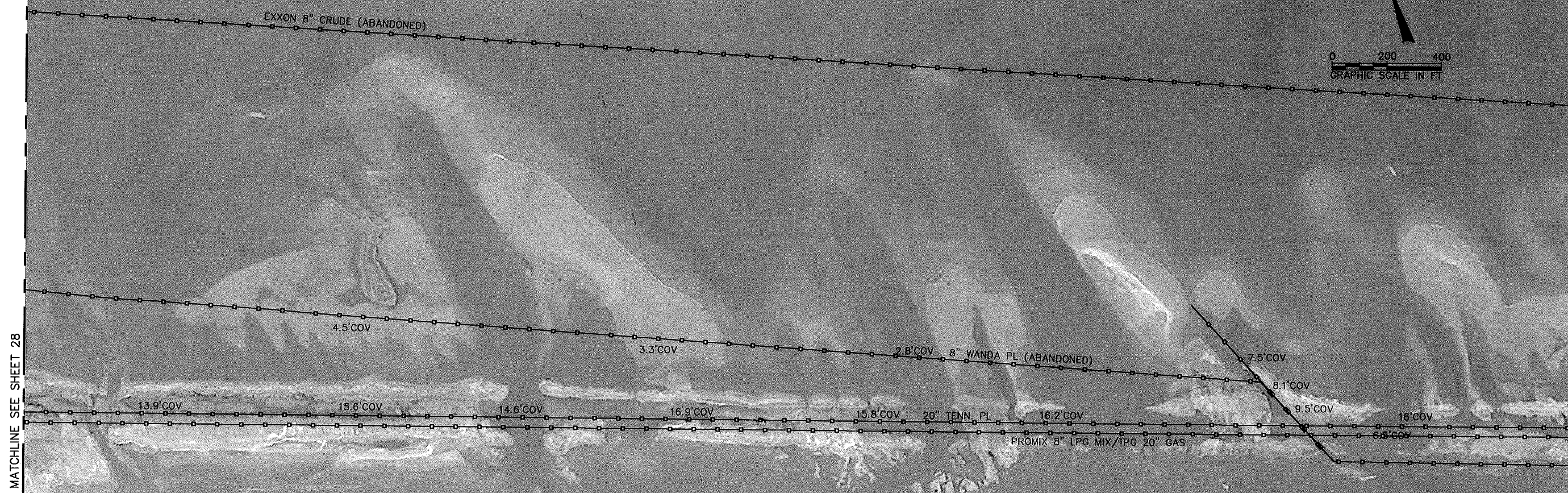
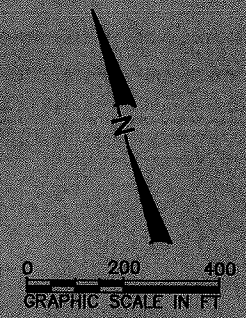


REVISIONS	No.	Date	Description
1	11/12/10	ADDED NOTES AND UPDATED AERIAL	

Reference File: 20080808	Designed by: GT	Checked by: AMB
	Drawn by: TW	Reviewed by: GT
	Date: 10/8/2007	Submitted by: AW
	Plot Scale: AS NOTED	Comm. No.: 7261.31

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 OIL AND GAS INFRASTRUCTURE

DRAWING NO.
 OI-1
 SHEET 28 OF 33



MATCHLINE SEE SHEET 28

MATCHLINE SEE SHEET 30

LEGEND:
 PIPELINES

- NOTES:**
1. PHOTOGRAPH TAKEN IN 2008.
 2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
 3. DEPTH OF COVER MEASURED AUGUST 2008 BY JCLS.

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REVISIONS	
No.	Description
1	11/12/10 ADDED NOTES AND UPDATED AERIAL

Designed by: GT	Checked by: AMG
Drawn by: TW	Reviewed by: GT
Date: 10/8/2007	Submitted by: AW
Plot Scale: AS NOTED	Comm. No.: 7261.31

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 OIL AND GAS INFRASTRUCTURE

DRAWING NO.
 01-2
 SHEET 29 OF 33

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MATCHLINE SEE SHEET 29



0 200 400
GRAPHIC SCALE IN FT

GULF OF MEXICO

LEGEND:
 —○— PIPELINES

NOTES:
 1. PHOTOGRAPH TAKEN IN 2008.
 2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
 3. DEPTH OF COVER MEASURED AUGUST 2008 BY JCLS.

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REVISIONS	Description
1	11/27/07 ARBDD NOTES AND UPDATED ADINAL

Designed by:	Checked by:
Drawn by:	Reviewed by:
Date:	Submitted by:
Plot Scale:	Comm. No.:
AS NOTED	7251.31

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 OIL AND GAS INFRASTRUCTURE

DRAWING NO.
 01-3
 SHEET 30 OF 33

N 279000

E 3830000

N 278000

E 3830000

N

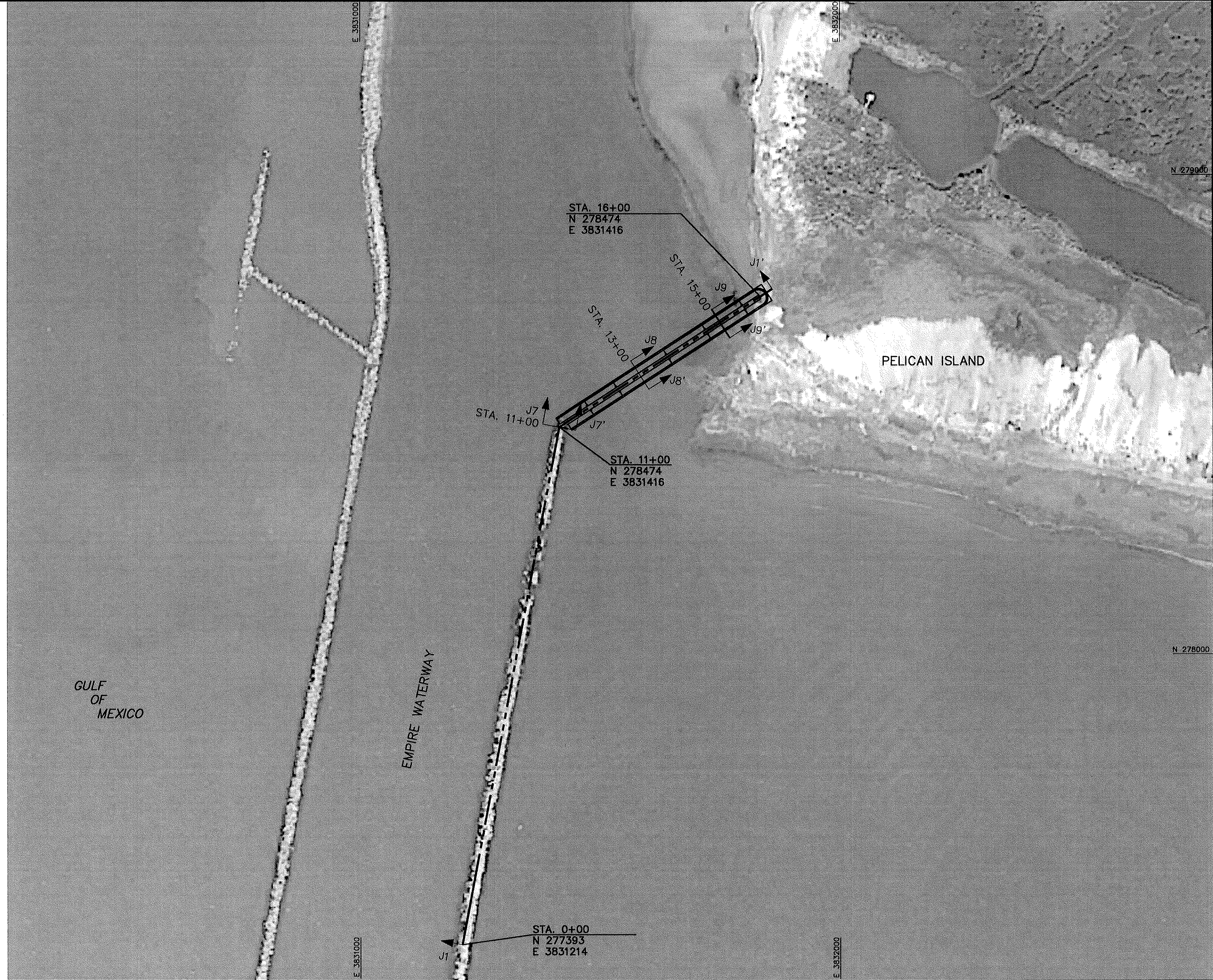
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GRAPHIC SCALE IN FT

LEGEND:

--- BASELINE

NOTES:

1. PHOTOGRAPH TAKEN IN 2008.
2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.



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REVISIONS	
No.	Description
1	11/12/10 ADD JETTY EXTENSION
2	12/21/10 REMOVED SHOR AND JETTY ROCK, REMOVED CROSS SECTIONS
3	12/22/10 REMOVED JETTY ROCKS AND UPDATED TITLE

Designed by: G1	Checked by: ANB
Drawn by: JRC	Reviewed by: G1
Date: 10/8/2007	Submitted by: VG
Proj. No.: AS NOTED	Comm. No.: 7261.31

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
EMPIRE WATERWAY
JETTY EXTENSION

DRAWING NO.
JE-1

SHEET 31 OF 33

JETTY CREST

JETTY TOE

MARINE MATTRESS

JETTY TRANSITION DETAIL

STA. 16+00
N 278747
E 3831835

STA. 16+15
N 278755
E 3831848

MARINE MATTRESS

JETTY TOE

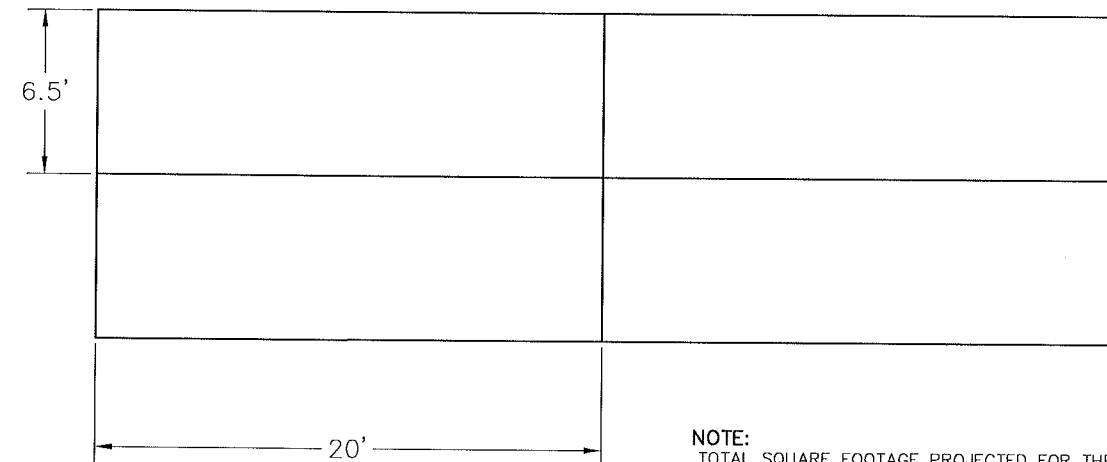
NORTHERN JETTY CREST

GULF OF MEXICO

SOUTHERN JETTY CREST



TYPICAL MARINE MATTRESS DIMENSIONS



NOTE:
TOTAL SQUARE FOOTAGE PROJECTED FOR THE
MARINE MATTRESS FOUNDATION IS 19,630 SF.

LEGEND:

- BASELINE
- CROSS SECTIONS

NOTES:

1. PHOTOGRAPH TAKEN IN 2008.
2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.

STA. 11+00
N 278474
E 3831416

STA. 11+04.6

STA. 11+18.7

STA. 11+21.5
STA. 11+28.0

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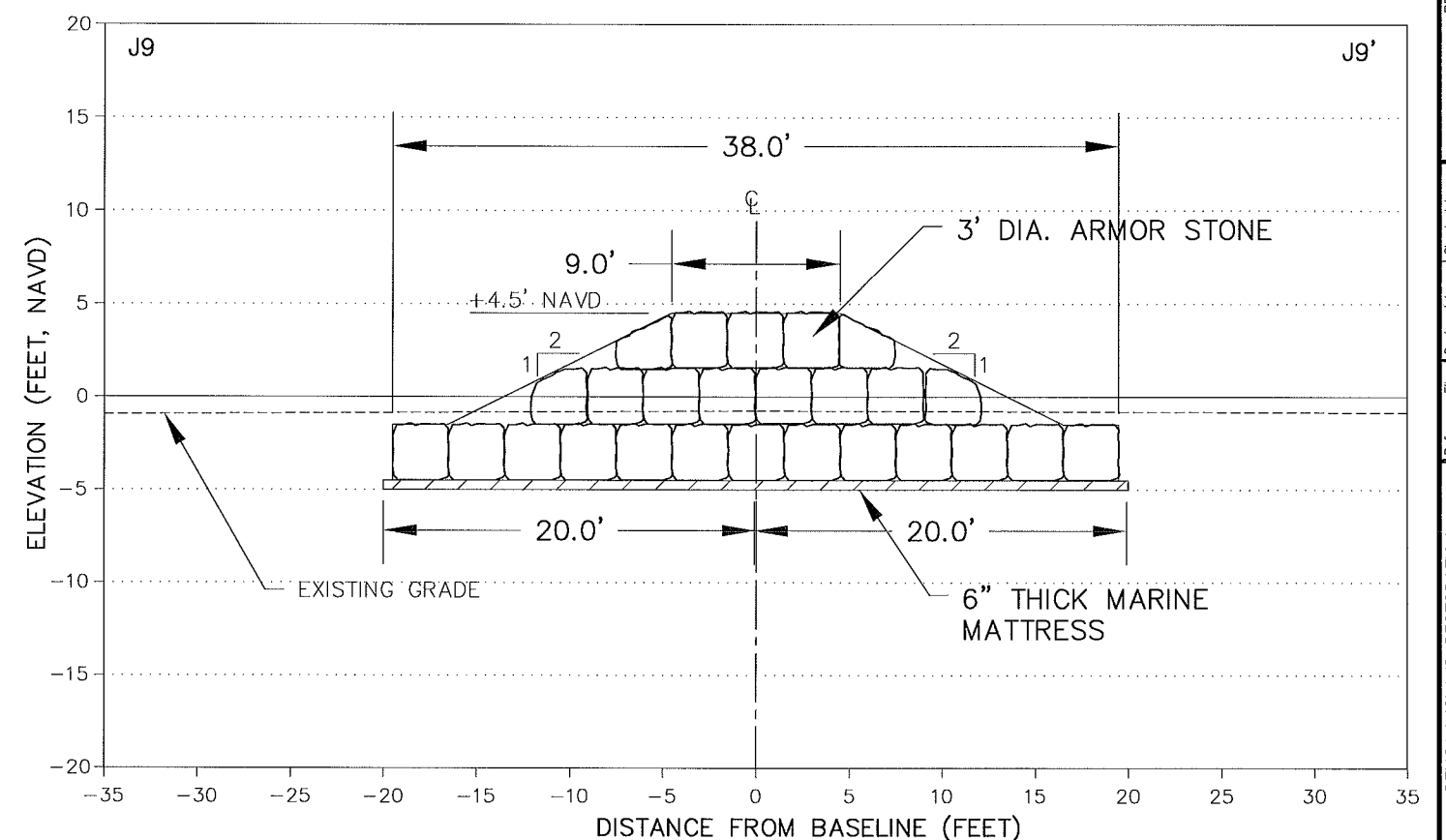
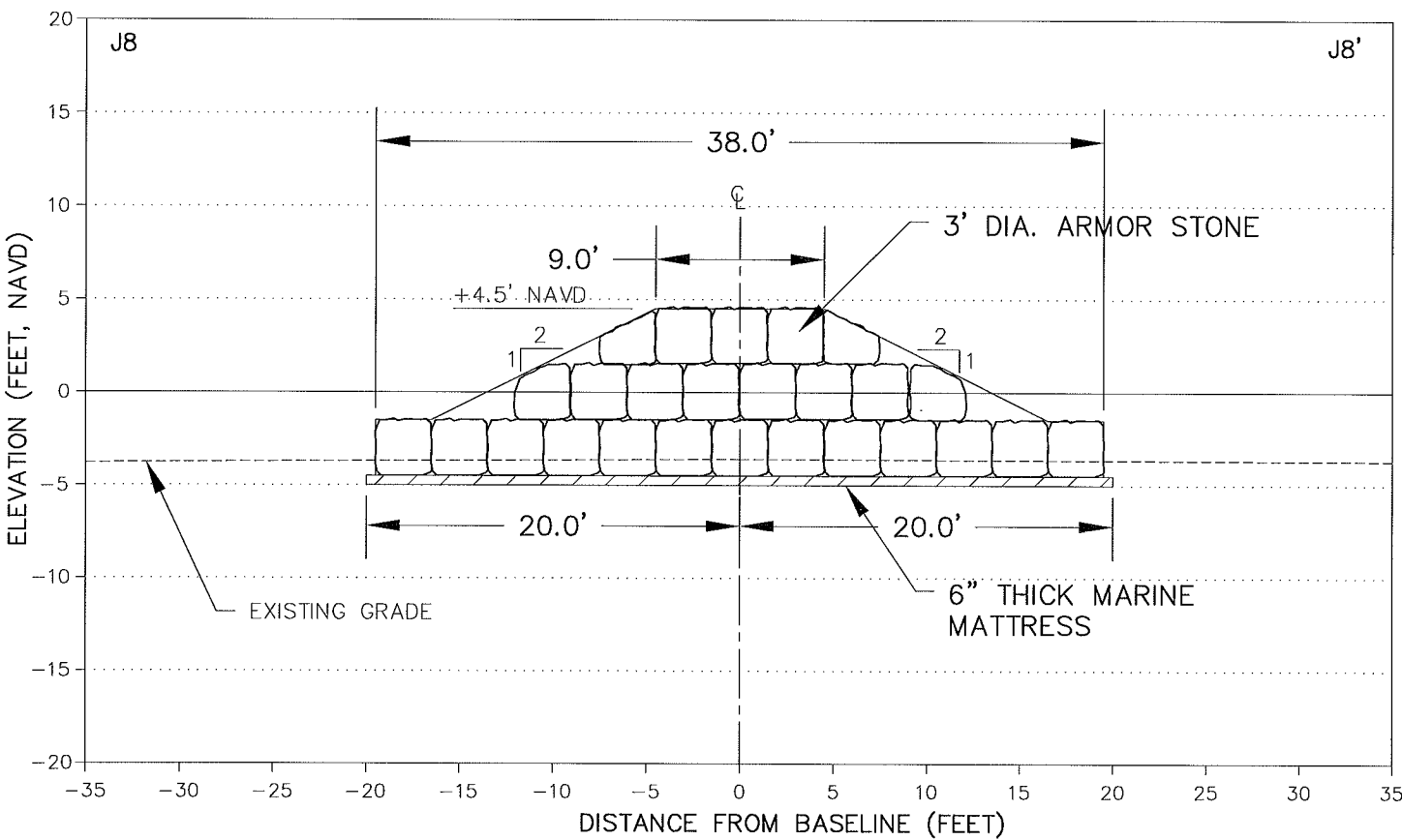
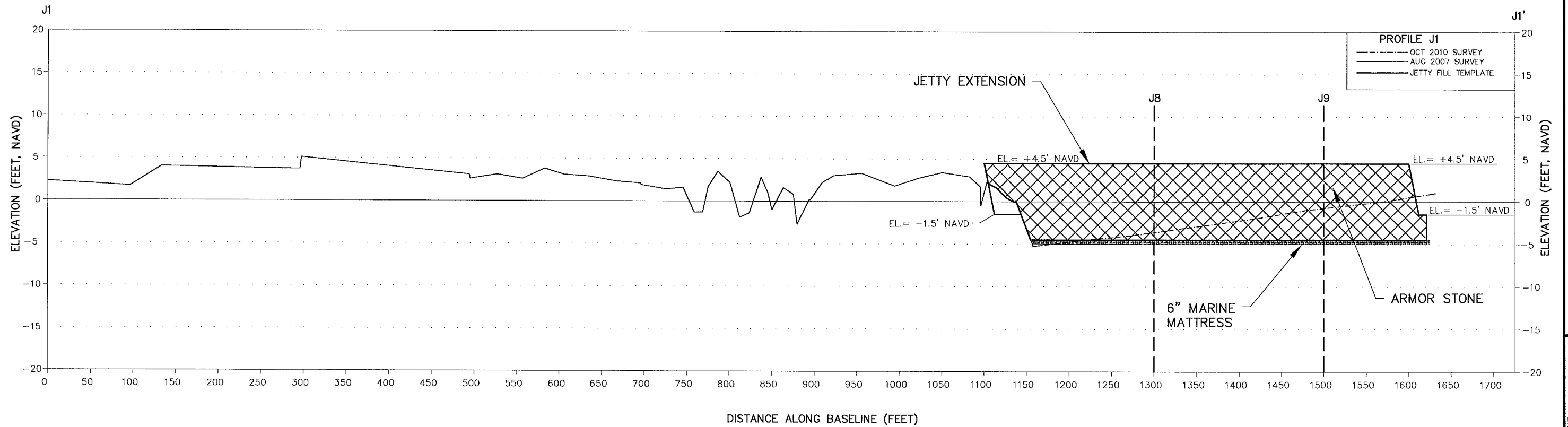
REVISIONS		No.	Date	Description
1	11/27/07	ADD	JETTY EXTENSION	

Designed by:	AMIS
Reviewed by:	GT
Submitted by:	VG
Comm. No.:	7261.31
AS NOTED	

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 EMPIRE WATERWAY
 JETTY EXTENSION DETAIL

DRAWING NO.
JE-2
 SHEET 32 OF 33

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NOTE:

1. CROSS SECTION J1 VIEWED LOOKING WEST.
2. EXISTING ELEVATIONS WERE COLLECTED AT DISCRETE LOCATIONS. ELEVATIONS BETWEEN DISCRETE ELEVATIONS ARE SHOWN AS LINEAR FEATURES. SOME VARIATIONS SHOULD BE EXPECTED.
3. EXCAVATE EXISTING PROFILE AS NECESSARY TO PLACE ARMOR STONE TO ACHIEVE THE SPECIFIC GRADE.
4. VERTICAL TOLERANCES ARE ± 6 INCHES TO THE DESIGN SURFACE. HORIZONTAL TOLERANCES ARE ±2 FEET.
5. ARMOR STONE TO BE ACQUIRED FROM AN OFFSITE LOCATION.
6. ARMOR STONE ON THE JETTY RANGES FROM 1.7 TO 2.8 TONS.



REVISIONS	No.	Date	Description
1. 11/02/10 ADD JETTY EXTENSION	1		
2. 12/22/10 REMOVE JETTY REMOVAL SECTION	2		

Checked by:	AMVB	Reviewed by:	GT
Designed by:	GT	Submitted by:	VG
Drawn by:	JRC	Date:	10/8/2007
Plot Scale:	AS NOTED	Comm. No.:	7261.31

PELICAN ISLAND RESTORATION
 (BA-38-1)
 CWPRA PROJECT
 JETTY
 CROSS SECTIONS

DRAWING NO.

JE-3