### OFFICE OF COASTAL PROTECTION & RESTORATION RESTORATION DIVISION STATE OF LOUISIANA

# RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION STATE PROJECT NO. BA-40

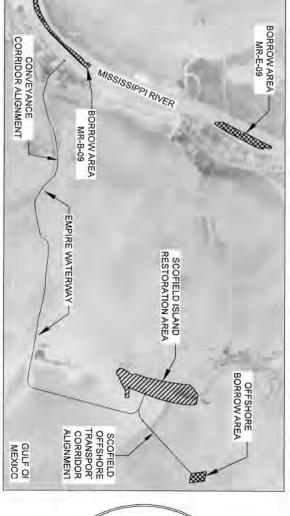
SHEET NO.

DESCRIPTION

INDEX TO SHEETS

PROJECT LAYOUT TITLE SHEET

PLAQUEMINES PARISH, LOUISIANA PERMIT (MVN2008-3033-EFF)



22-23

21

SLAND RESTORATION PLAN VIEW TRANSPORT CORRIDOR 20

SCOFIELD OFFSHORE BORROW AREA CONVEYANCE CORRIDOR TYPICAL CROSS CONVEYANCE CORRIDOR LAYOUT

24

12-13 14-18

19

9-10

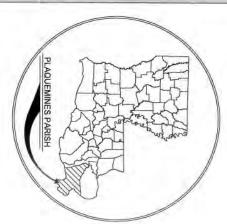
=

OFFSHORE BORROW AREA PLAN VIEW BORROW AREA MR-E-09 DESIGN SECTIONS

OFFSHORE BORROW AREA DESIGN

BORROW AREA MR-B-09 PLAN VIEW ALIGNMENT TABLES AND GENERAL NOTES

BORROW AREA MR-E-09 PLAN VIEW BORROW AREA MR-B-09 DESIGN SECTIONS





# NOT TO BE USED FOR CONSTRUCTION. THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND

DRA	11	MTP	ВУ		
DRAWN BY: DARTEZ \ ZWERNEMAN		COMMENT RESPONSE	DESCRIPTION	37 SAND FENCING DETAIL	36 NAVIGATION AND SHOAL SIGN DETAIL
2		2011	DATE	DETAIL	SHOAL
DESIGNED BY: MICHAEL T. POFF, P.E.	SIB GROUP LLC	ENGINEERING CONSULTANTS, INC	COASTAI		SIGN DETAIL

35 34

BOOSTER PUMP SITE TYPICAL DETAIL EMPIRE WATERWAY NAVIGATIONAL TYPICAL CROSSING DETAIL CROSSING DETAIL

EMPIRE MARSH & ROCK REVETMENT HURRICANE PROTECTION LEVEE 3

GRAVEL ROAD CROSSING DETAIL

30 29

CASING PIPE CAP & CROSSING MARKER HIGHWAY 23 CROSSING DETAIL BANK STABILIZATION TYPICAL DETAIL EMPIRE HARBOR CANAL CROSSING

27

HIGHWAY 11 CROSSING DETAIL

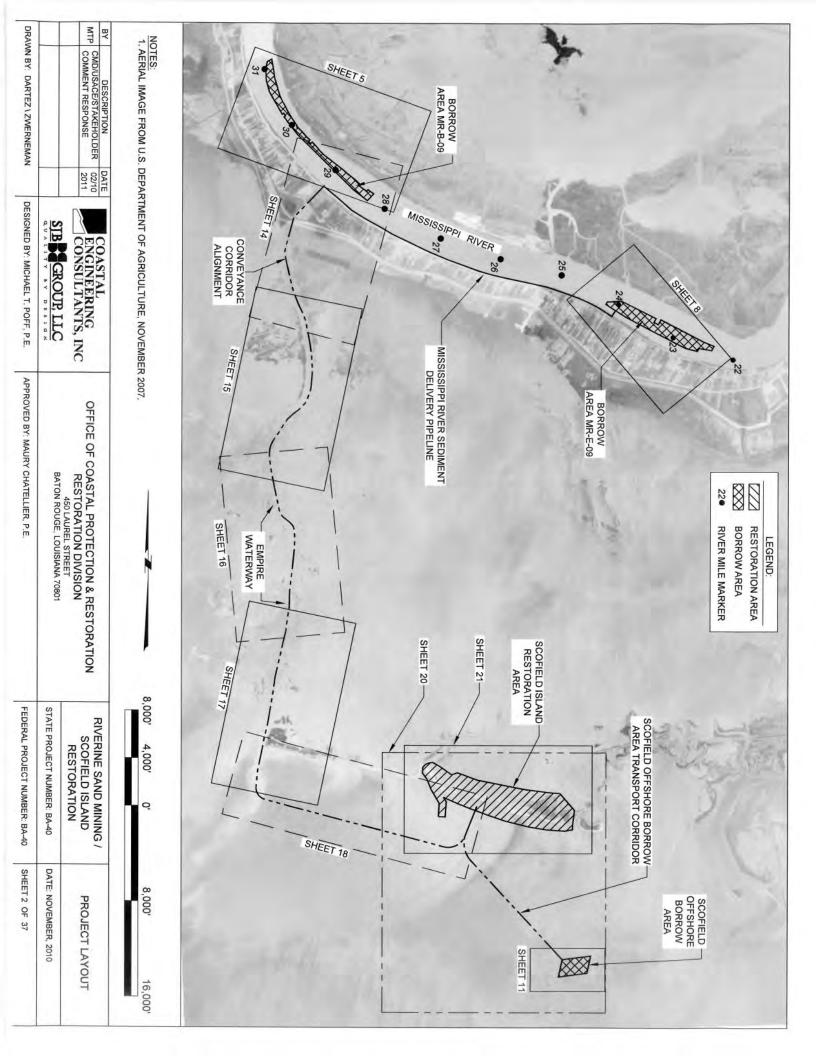
MISSISSIPPI RIVER LEVEE CROSSING PLAN VIEW & DESIGN SECTIONS FLOTATION CHANNEL GULF APPROACH ISLAND RESTORATION DESIGN SECTIONS

000	STB			
1 1 1	Ž	C	Š	AO.
* " *	S	SUL		STA
0	ğ	A	R	Г
9 1 8	H	VIS.	ล์	

BATON
RESTORAT
OFFICE OF COAS
E OF COAS

APPROVED BY: MAURY CHATELLIER, P.E.

FE	STA	
FEDERAL PROJECT NUMBER: BA-40	STATE PROJECT NUMBER: BA-40	RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION
SHEET 1 OF 37	DATE: NOVEMBER, 2010	TITLE SHEET



## MR-B-09 BORROW AREA BOUNDARY

PT NO	LATITUDE	LONGITUDE	PT NO	LATITUDE	LONGITUDE
4	29°24'45.2422" N	89°36'09.7493" W	20	29°23'11.6333" N	89"35'03,4489" W
2	29"24'30.3531" N	89°36'07,7234" W	21	29°23'00.4670" N	89°34'48,9994" W
دي	29°24'15.9938" N	89°36'03,4018" W	22	29°22'59.7247" N	89°34'49,7472" W
4	29°24'10.0886" N	89°36'00.3781"W	23	29°22'56.8699" N	89°34'46.0534" W
Ċn.	29°24'01.3914" N	89°35'54,9725" W	24	29°22'53,4417" N	89°34'40,4374" W
6	29"23'53.0554" N	89°35'48.7700" W	25	29°22'54.4229" N	89°34'39.6726" W
7	29°23'50.2020" N	89°35'46.5346" W	26	29°22'52,7815" N	89°34'36,9278" W
00	29°23'49.9505" N	89°35'46.9878" W	27	29°22'47.7779" N	89°34'40.5824" W
9	29°23'48.4521" N	89°35'45.9032" W	28	29°22'57.2098" N	89°34'53.8559" W
10	29°23'48.7401" N	89°35'45,3894" W	29	29°23'19.9927" N	89°35'19,0513" W
11	29°23'44.4509" N	89°35'41.5285" W	30	29°23'42,7544" N	89°35'44.2973" W
12	29°23'40.6841" N	89°35'37.8166" W	31	29°23'58.3182" N	89°35'57.8853" W
13	29°23'38.3587" N	W "9587:52,58,68	32	29°23'59.2200" N	89°35'56.5353" W
14	29°23'37.4665" N	89°35'36,1662" W	33	29°24'01,3403" N	89°35'58,1950" W
15	29°23'34.8338" N	89°35'32.8702" W	34	29°24'00,4385" N	89°35'59.5450" W
16	29"23"35.4160" N	M.,8892'78,98°68	35	29°24'19.2666" N	89°36'11.4018" W
17	29°23'32.4613" N	W.,9272762,68	36	29°24'28.8394" N	89°36'14.2831" W
18	29°23'25.3109" N	89°35'21.3253" W	37	29"24'39.0177" N	89°36'14,5406" W
19	29°23'21.9137" N	M2192'21,55.68	38	29°24'44 4853" N	89°36'13.0293" W

## MR-E-09 BORROW AREA BOUNDARY

PTNO	LATITUDE	LONGITUDE	PTNO	LATITUDE	LONGITUDE
4	29°21'20.8645" N	89°30'56,4875" W	10	29°20'43.0908" N	89°29'19.6358" W
2	29°21'21.2146" N	89°30'44.0254" W	1	29°20'40.3163" N	89°29'21.3729" W
ω	29°21'06,3499" N	89°30'12,5101" W	12	29°20'42,4396" N	89°29'32.9235" W
4	29°21'02,9005" N	89°30'14,6693" W	13	29"20'39.7809" N	89°29'34,6176" W
5	29°21'00.6061" N	M.8E68'60,0E.68	14	29°20'42,6991" N	89°29'44,3668" W
6	29°21'04.9547" N	M.£221.20,05.68	15	29°20'56,9765" N	89°30'14,0907" W
7	29°20'51.3796" N	89°29'38.9345" W	<u>1</u> 6	29°21'08,7091" N	89°30'38.9650" W
00	29°20'48,9944" N	89°29'33,9820" W	17	29°21'19,1750" N	89°30'57.5448" W
9	29°20'46.7365" N	W "0256'82,62,68			

### OFFSHORE BORROW AREA BOUNDARY

89°31'24,5073" W	29°12'04.1188" N	4
89°31'20,8025" W	29°12'18.4314" N	w
89°31'47.5434" W	29°12'15.7557" N	12
89°31'51.2472" W	29°12'01,4418" N	-
LONGITUDE	LATITUDE	PT NO

- GENERAL NOTES:

  1. ALL AERIAL IMAGERY FROM U.S. DEPARTMENT OF AGRICULTURE, NOVEMBER 2007.

  2. COORDINATES ARE NAD83, LOUISIANA STATE PLANE, SOUTHERN ZONE, U.S. SURVEY FEET.

  3. ALL ELEVATIONS ARE IN NAVD88, U.S. SURVEY FEET.

  4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS AT TIME OF CONSTRUCTION, ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE FIELD LOCATED AND MARKED.

  5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS 72 HOURS PRIOR
- TO ANY EXCAVATION.
- 6. NO CONSTRUCTION EQUIPMENT OR ACTIVITIES MAY OPERATE, TRANSIT, STAGE, OR STORE OUTSIDE THE CONVEYANCE CORRIDOR ALONG THE EMPIRE WATERWAY FROM THE MISSISSIPPI RIVER TO THE GULF OF MEXICO. 7. THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.

DRAM			MTP	ВҮ
DRAWN BY: DARTEZ \ ZWERNEMAN			MTP COMMENT RESPONSE 2011	DESCRIPTION DATE
			2011	DATE
DESIGNED BY MICHAEL T. POFF, P.E.	SUATION AT SESTEN	CONSCITATION INC.	ENGINEERING	COASTAL
APPROVED BY: MAURY CHATELLIER, P.E.	BATON ROUGE, LOUISIANA 70801	450 LAUREL STREET	OFFICE OF COASTAL PROTECTION & RESTORATION	
FEDERAL PROJ	STATE PROJEC	RES	SCOF	

		S
FEDERAL PROJECT NUMBER: BA-40	STATE PROJECT NUMBER: BA-40	RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION
SHEET 3 OF 37	DATE NOVEMBER, 2010	ALIGNMENT TABLES AND GENERAL NOTES

6	,
C	)
9	7
5	5
<	2
11	1
-	ς
I	>
5	7
5	Ξ
6	į
п	7
-	5
6	Į.
C	)
7	٦
1	ä
1	J
F	7
$\geq$	٥
-	,
ス	J
3	ŏ
L	>
Е	_
7	₹
<u>u</u>	2
1	2
2	?
H	÷
11	1
1	5
-	4

DIKE	EARTHEN
ALIGNMENT	CONTAINMENT

LONGITUDE 89°33'43,3224" W

89°33'34.8530" W

89"33'30,6524" W

89°33'39.8532" W

89"33'35,2905" W

89°33'34.0191" W

LONGITUDE STATION	LONGITUDE STATION LATITUDE LONGITUDE STATION
STATION   LATITUDE   LONGITUDE   STATION   W   530+00   29"14"50.9387" N   89"36"31.4444" W   665+00   W   535+00   29"14"46.0171" N   89"36"32.0462" W   670+00   675+00   29"14"41   0863" N   89"36"37.5280" W   675+00   675+0	STATION LATITUDE   LONGITUDE   STATION   LATITUDE   STATION   LATITUDE   STATION   LATITUDE   STATION   STATION   STATION   STATION   SEP14**50.5387** N   SEP36**31.4444** W   665+00   29**14**05.6087** N   SEP36**32.0482** W   670+00   29**14**05.6087** N   SEP36**37.5080** W   675+00   29**14**05.6087** N   SEP36**37.5080** W   SEP36**37.5080**
LATITUDE LONGITUDE STATION 29°14'50.9387" N 89°36'31.4444" W 665+00 29°14'46.0171" N 89°36'32.0462" W 670+00 29°14'41.0863" N 89°36'32.5280" W 675+00 29°14'30.3912" N 89°36'30.9343" W 680+00 29°14'32.9411" N 89°36'26.5680" W 685+00 29°14'31.2981" N 89°36'27.6686" W 680-00	LATITUDE LONGITUDE STATION LATITUDE 29°14′50.9387″ N 89°36′31.4444″ W 665+00 29°14′01.9447″ N 29°14′46.0171″ N 89°36′32.0462″ W 670+00 29°14′00.6097″ N 29°14′41.0863″ N 89°36′32.5280″ W 675+00 29°13′59.2747″ N 29°14′30.3912″ N 89°36′30.9343″ W 680+00 29°13′57.9396″ N 29°14′32.9411″ N 89°36′26.9680″ W 685+00 29°13′56.6044″ N 29°14′32.941″ N 89°36′26.9680″ W 680+00 29°13′55.2690″ N
\$TATION 665+00 670+00 675+00 680+00 685+00 690+00	28°14'01.9447" N 28°14'01.9447" N 28°13'59.2747" N 28°13'57.9396" N 29°13'55.2892" N 28°13'53.9338" N 28°13'53.53886" N
	LATITUDE  28°14'01.9447" N  28°13'05.6697" N  29°13'57,9396" N  28°13'55.2892" N  28°13'55.3838" N  29°13'51,2632" N
LONGITUDE 88°34′22.1047″ W 88°34′16.6706″ W 88°34′11.2365″ W 88°34′05.8024″ W 88°34′00.3684″ W 88°33′54.9344″ W	
IGITUDE POI 22.1047" W 16.6706" W 11.2365" W 05.8024" W 00.3684" W 44.9665" W	POINT NO. 01 02 02 03 04 05 06 07 08

120+00

29'21'15.0438" N

110+00

29"21'24.0816" N

100+00

29"21"33.3939" N

090+00 29°21'43,0032" N

080+00

29"21"52.6698" N

130+00 29'21'05.5763" N

150+00

29'20'46.0495" N

140+00

29'20'55.8215" N

160+00 29'20'36.1935" N

060+00

29"22"12,0168" N

050+00 040+00

29°22'21,5221" N

070+00 | 29"22"02.3642" N

030+00

29'22'39,0758" N

29"22"31.0274" N

020+00

29"22'46,1528" N

STATION

LATITUDE

000+00 29'23'00.3065" N

010+00 29"22"53.2297" N

### BOOSTER PUMP LOCATIONS PROBABLE

240+00

29"19"28.6648" N

260+00 29'19'09.4375" N 250+00 29"19'19,3099" N 210+00

29"19'51.8830" N 29'19'58.3517' N

220+00 29"19'45.0247" N

230+00 29"19'36.7821" N

200+00

180+00

29'20'16.4413' N

190+00 29°20'06.8939" N

170+00

29'20'26.3015' N

89"36"19.2305" W	29°15'42,3009" N	NO. 7
89°36'13.6053" W	29°16'10.7988" N	NO. 6
89°35'54.8845" W	29°18'19.4324" N	NO. 5
89°36'09.1849" W	29°19'32.9358" N	NO. 4
89°35'38,1793" W	29°21'00.1155" N	NO. 3
89°35'54.1330" W	29°21'45.3690" N	NO.2
89°35'57,7521" W	29°22'00,4216" N	NO 1
LONGITUDE	LATITUDE	BOOSTER

### NAVIGATION CROSSINGS

29°14'08.0183" N

89°31'39 1399" W

89°31'48.6378" W

89°31'37.3441" W

89°31'58,3690" W

89°32'09.5951" W

89°32'03.9859" W

89°32'15.2145" W

"N 89°32'37.3886" W

89°32'31,8628" W

89°32'42.8948" W 89°32'48.4031" W

89°32'26.3565" W

89°32'20.8360" W

89°33'12,6689" W

89°33'10.2611" W

89°33'17.9254" W

89°33'28,5450" W

89°33'23.2019" W

89°33'31.0494" W 89°33'31,4171" W

89°32'59.4342" W 89°33'04.9552" W

89°32'53.9255" W

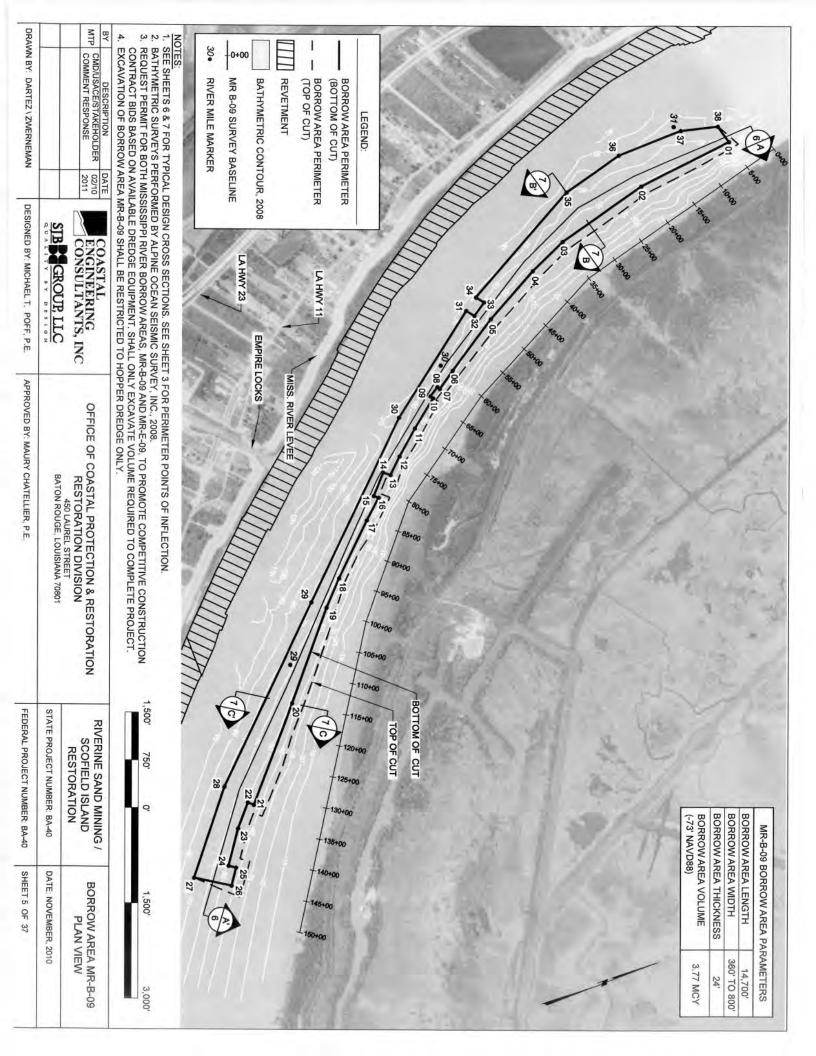
89°36'21.5317" W	29°15'32.0311" N	NC-6
89°36'15.2594"	29°16'01,4430" N	NC-5
89°36'02.6113" W	29°16'50.8808" N	NC-4
89°35'52.9824" W	29°18'00.9327" N	NC-3
89°35'35.2511" W	29°20'16.2645" N	NC-2
89°35'41.2901" W	29°21'12.3540" N	NC-4
LONGITUDE	LATITUDE	BOOSTER

DRAWN BY: DARTEZ\ZWERNEMAN DESIGN	2	3	1	CMD/USACE/STAKEHOLDER 02/10	C. C
DESIGNED BY: MICHAEL T. POFF, P.E. APPRO	OLD DE CHOOK LIVE	TO CHOIN III	CONSULTANTS, INC	COADIAL	COACTA

APPROVED BY MAURY CHATELLIER, P.E.

BATON ROUGE, LOUISIANA 70801	450 LAUREL STREET	RESTORATION DIVISION	OFFICE OF COASTAL PROTECTION & RESTORATIO	
01		Z	RESTORATIO	

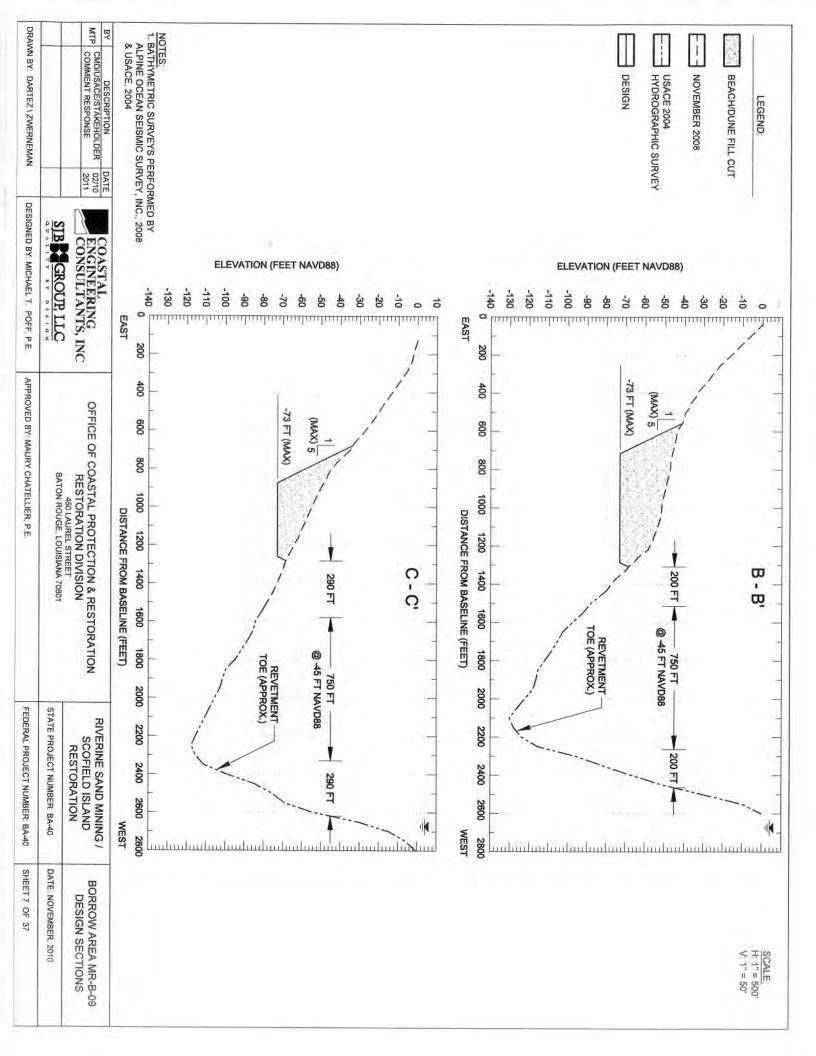
FEDERAL PROJECT NUMBER: BA-40	STATE PROJECT NUMBER: BA-40	RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION
SHEET 4 OF 37	DATE: NOVEMBER, 2010	ALIGNMENT TABLES AND GENERAL NOTES

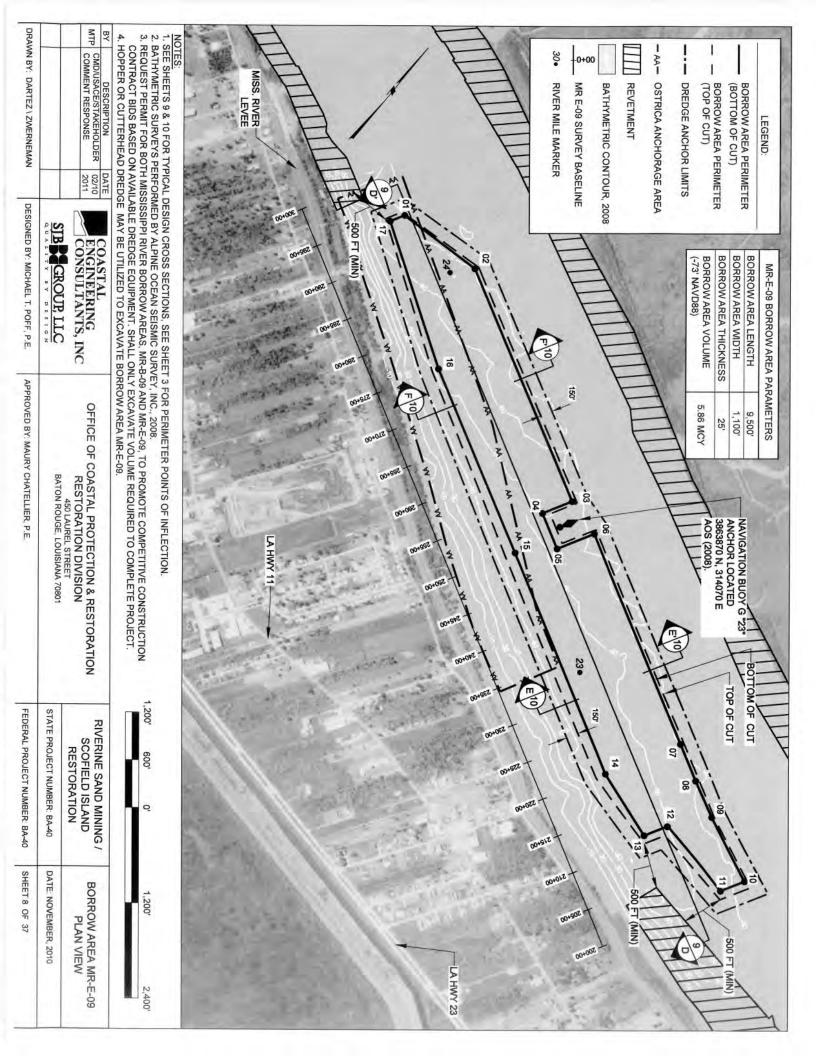


MTP DRAWN BY: DARTEZ\ZWERNEMAN NOTES: 1. BATHYMETRIC SURVEYS PERFORMED BY ALPINE OCEAN SEISMIC SURVEY, INC., 2008. I DESCRIPTION
CMD/USACE/STAKEHOLDER
COMMENT RESPONSE DESIGN **NOVEMBER 2008** BEACH/DUNE FILL CUT LEGEND: **ELEVATION (FEET NAVD88)** 8 60 ģ 4 30 능 20 0 NORTH DATE 02/10 2011 1000 DESIGNED BY: MICHAEL T. POFF, P.E. (MAX) 5 SIB GROUP, LLC COASTAL ENGINEERING CONSULTANTS, INC 2000 3000 4000 5000 APPROVED BY: MAURY CHATELLIER, P.E. OFFICE OF COASTAL PROTECTION & RESTORATION DIVISION

450 LAUREL STREET

BATON ROUGE, LOUISIANA 70801 DISTANCE ALONG PROFILE (FEET) 6000 7000 8000 9000 10000 11000 STATE PROJECT NUMBER: BA-40 FEDERAL PROJECT NUMBER: BA-40 12000 RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION 13000 (MAX) 14000 SOUTH 15000 SHEET 6 OF 37 DATE: NOVEMBER, 2010 BORROW AREA MR-B-09 DESIGN SECTION -73 FT (MAX) SCALE: H: 1" = 2000' V: 1" = 40'

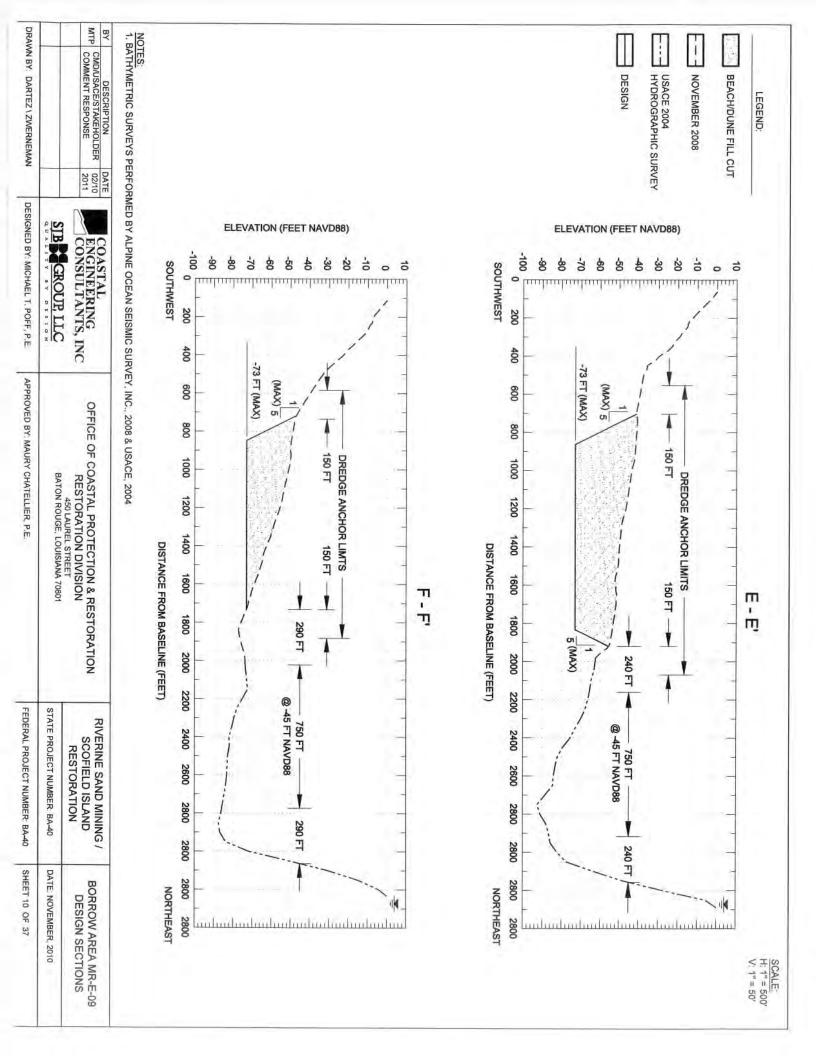




MTP COMMENT RESPONSE 2011 DRAWN BY: DARTEZ I ZWERNEMAN NOTES: 1. BATHYMETRIC SURVEYS PERFORMED BY ALPINE OCEAN SEISMIC SURVEY, INC., 2008. --- NOVEMBER 2008 DESIGN BEACH/DUNE FILL CUT LEGEND: **ELEVATION (FEET NAVD88)** -80 10 -70 စ် 5 40 30 -20 6 0 SOUTHEAST DESIGNED BY: MICHAEL T. POFF, P.E. SJB GROUP, LLC COASTAL ENGINEERING CONSULTANTS, INC (MAX) 5 1000 2000 APPROVED BY: MAURY CHATELLIER, P.E. 3000 OFFICE OF COASTAL PROTECTION & RESTORATION RESTORATION DIVISION

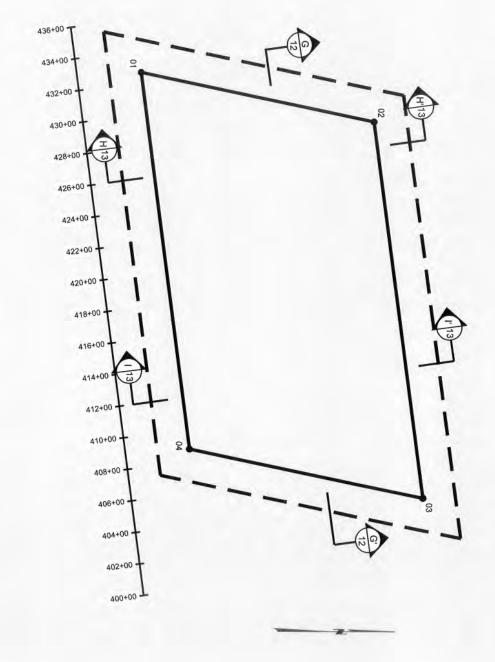
450 LAUREL STREET

BATON ROUGE, LOUISIANA 70801 DISTANCE ALONG PROFILE (FEET) 4000 P 5000 Ō 6000 7000 8000 FEDERAL PROJECT NUMBER: BA-40 STATE PROJECT NUMBER: BA-40 RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION 9000 NORTHWEST 10000 -73 FT (MAX) SHEET 9 OF 37 DATE: NOVEMBER, 2010 BORROW AREA MR-E-09 DESIGN SECTION SCALE: H: 1" = 1500' V: 1" = 30'



3.30 MCY	BORROW AREA VOLUME (-40' NAVD88)
20' TO 22'	BORROW AREA THICKNESS
1,900'	BORROW AREA WIDTH
2,800'	BORROW AREA LENGTH
ARAMETERS	OFFSHORE BORROW AREA PARAMETERS

400+00-	-20' -	i		
- OFFSHORE BORROW AREA SURVEY BASELINE	BATHYMETRIC CONTOURS, FT NAVD88 (CP&E, 2003)	BORROW AREA PERIMETER (TOP OF CUT)	BORROW AREA PERIMETER (BOTTOM OF CUT)	LEGENU:



- NOTES:

  1. SEE SHEETS 12 & 13 FOR SECTIONS. SEE SHEET 3 FOR PERIMETER POINTS OF INFLECTION.

  2. BATHYMETRY DATA FROM BARATARIA/PLAQUEMINES BARRIER SHORELINE RESTORATION, (CP&E, 2003).

600

300

o

600

SHEET 11 OF 37	FEDERAL PROJECT NUMBER: BA-40	APPROVED BY: MAURY CHATELLIER, P.E.	DESIGNED BY: MICHAEL T. POFF, P.E.	DRAWN BY: DARTEZ\ZWERNEMAN	DRAWN
DATE: NOVEMBER, 2010	STATE PROJECT NUMBER: BA-40	BATON ROUGE, LOUISJANA 70801	QUALITY BY DESIGN		
PLAN VIEW	RESTORATION	450 LAUREL STREET	CONSCIENT IN		
BORROW AREA	SCOFIELD ISLAND	OFFICE OF COASTAL PROTECTION & RESTORATION		COMMENT RESPONSE 2011	MTP
	DIVIDING CAND MINING		COASTAI	DESCRIPTION DATE	ВҮ

		ESTORATION
FEDERAL PROJECT NUMBER: BA-40	STATE PROJECT NUMBER: BA-40	RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION
SHEET 11 OF 37	DATE: NOVEMBER, 2010	OFFSHORE BORROW AREA PLAN VIEW

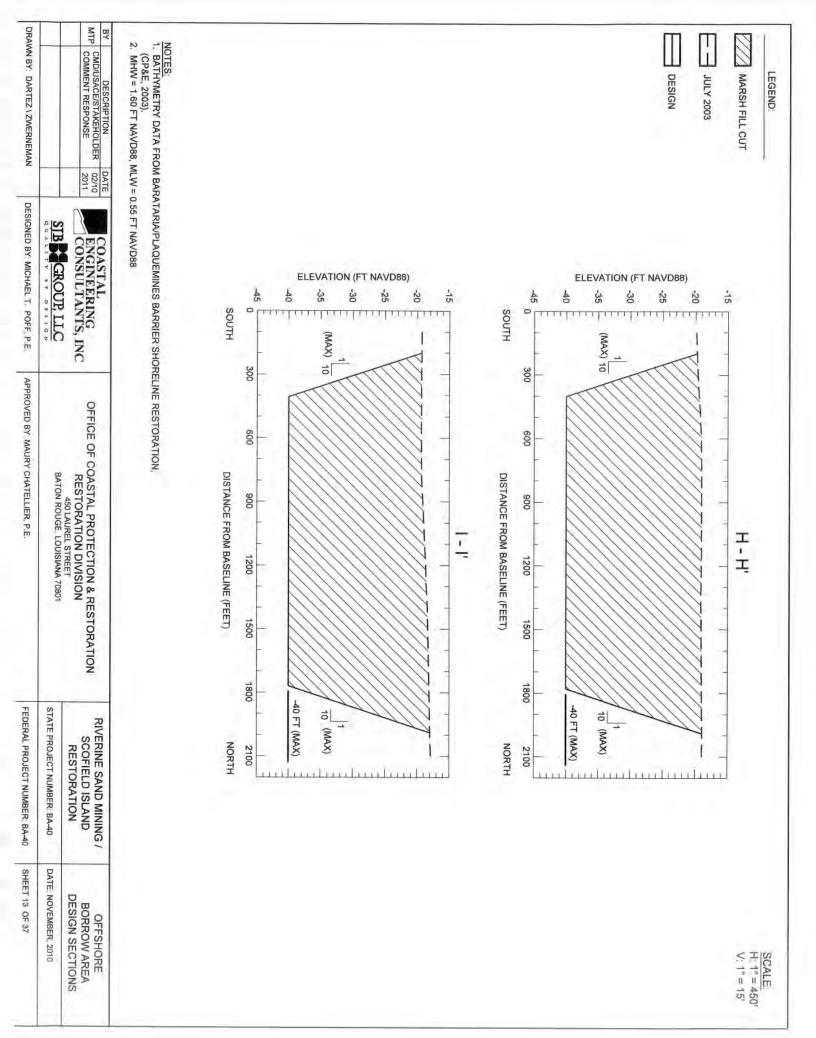
DRAWN BY: DARTEZ I ZWERNEMAN MTP MARSH FILL CUT NOTES:

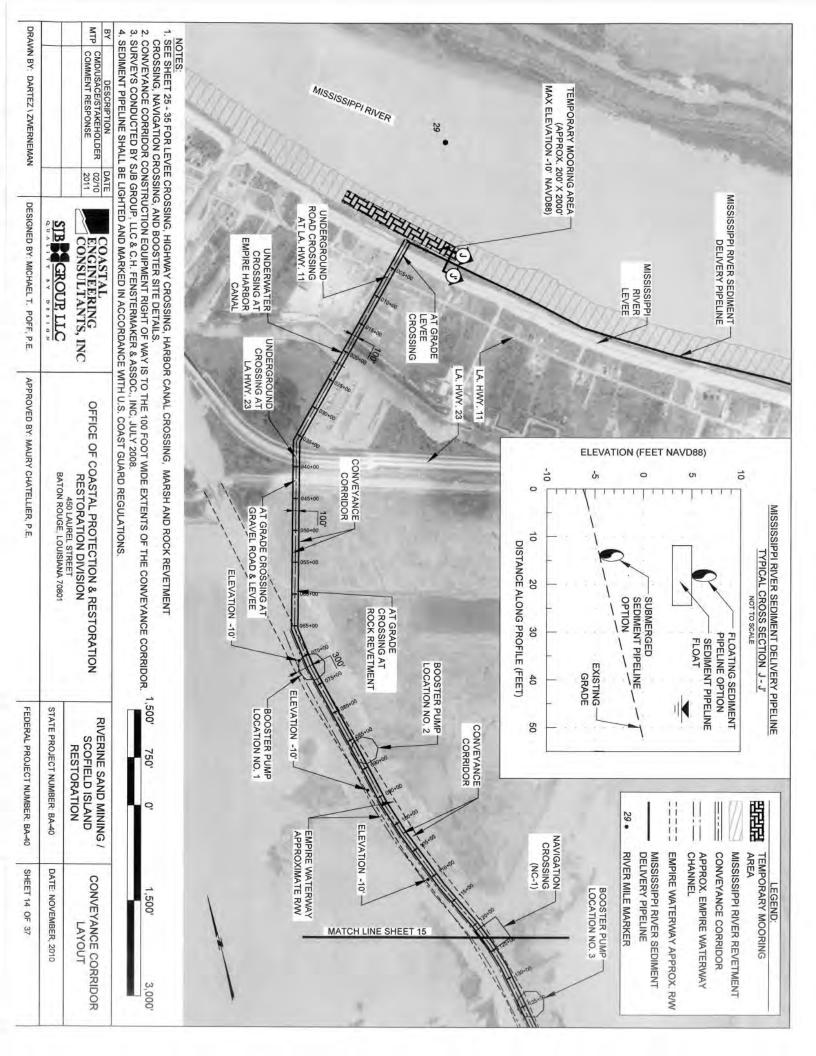
1. BATHYMETRY DATA FROM BARATARIA/PLAQUEMINES BARRIER SHORELINE RESTORATION, (CP&E, 2003).

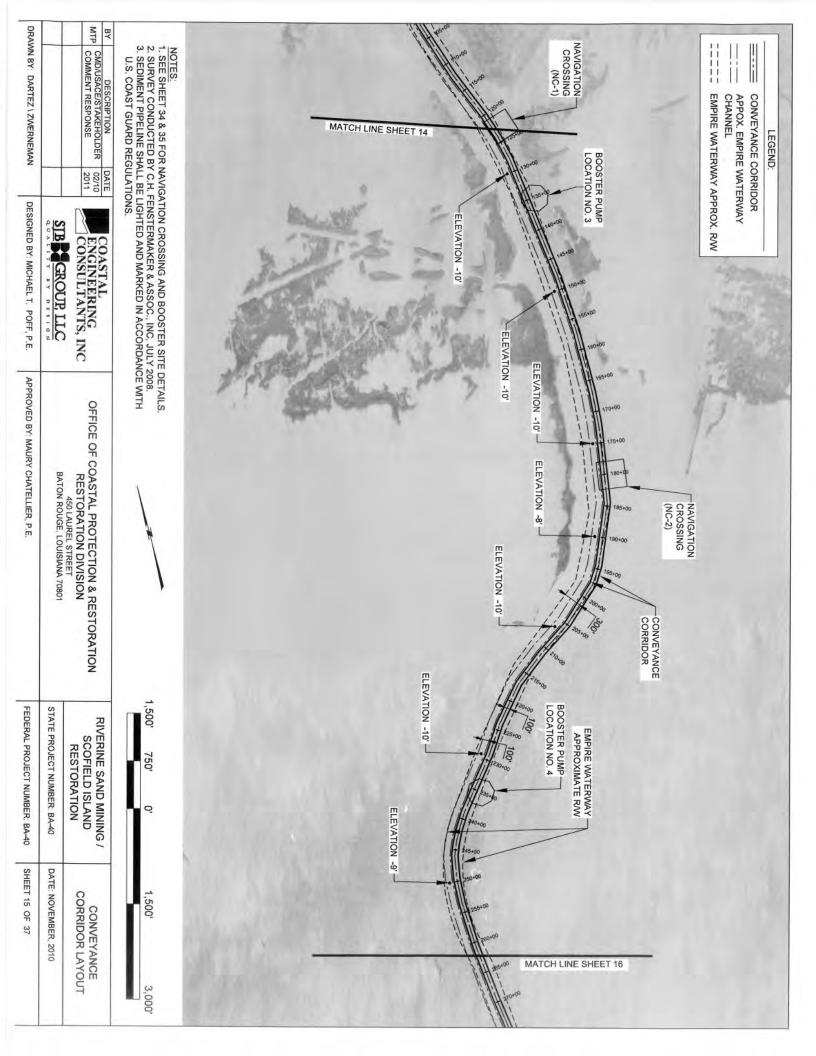
2. MHW = 1.60 FT NAVD88, MLW = 0.55 FT NAVD88 DESCRIPTION
CMD/USACE/STAKEHOLDER
COMMENT RESPONSE DESIGN JULY 2003 LEGEND: **ELEVATION (FEET NAVD88)** 45 40 -35 30 -25 -15 -20 WEST DATE 02/10 2011 DESIGNED BY: MICHAEL T. POFF, P.E. 300 (MAX) 10 SIB GROUP LIC COASTAL ENGINEERING CONSULTANTS, INC 600 900 APPROVED BY: MAURY CHATELLIER, P.E. 1200 OFFICE OF COASTAL PROTECTION & RESTORATION RESTORATION DIVISION

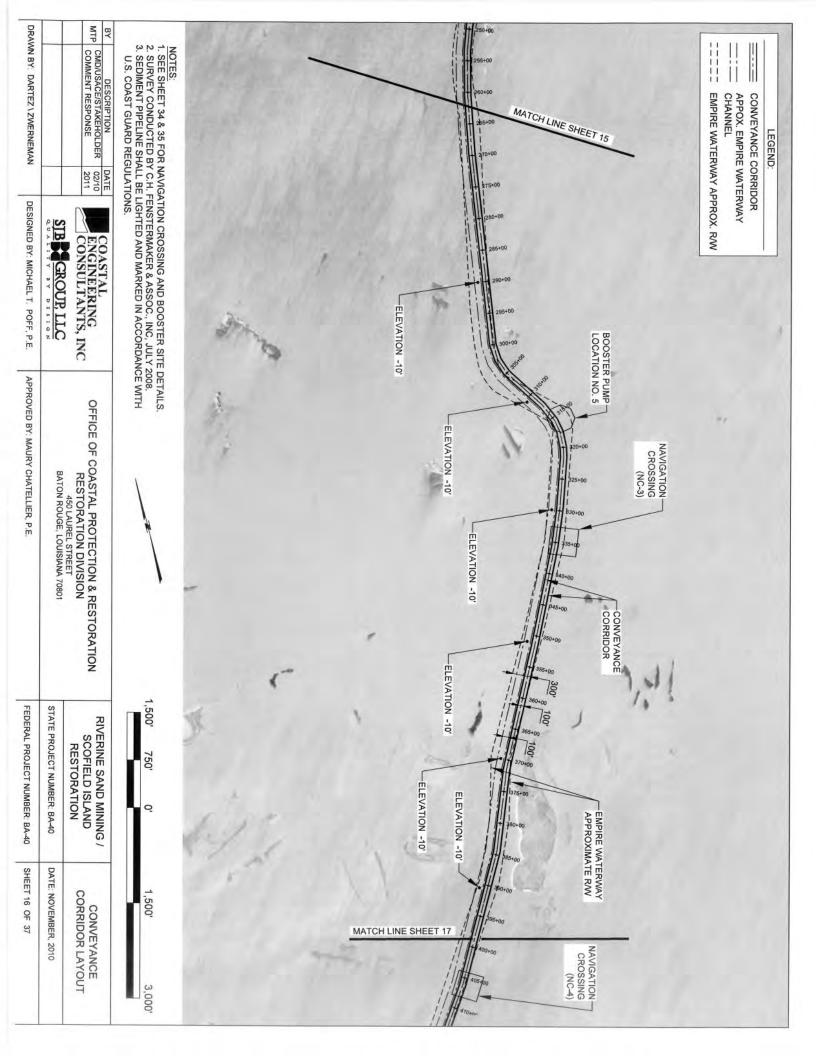
450 LAUREL STREET

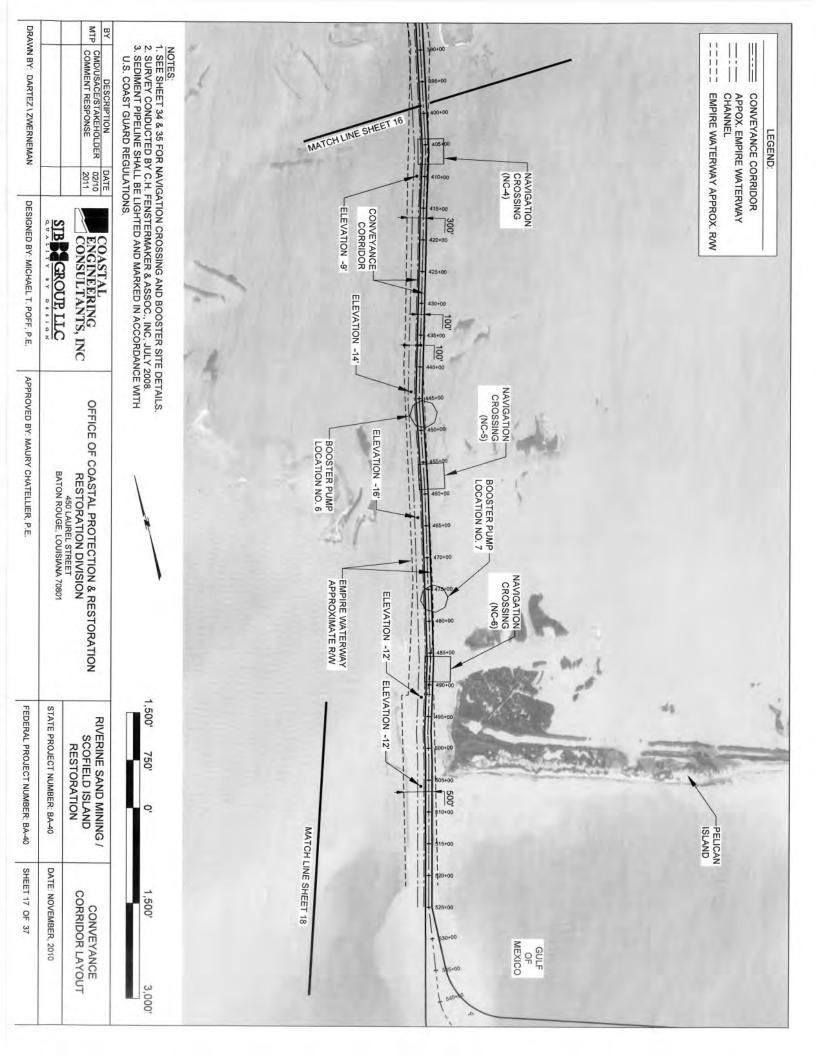
BATON ROUGE, LOUISIANA 70801 DISTANCE ALONG BASELINE (FEET) 1500 1800 9 0 2100 2400 FEDERAL PROJECT NUMBER: BA-40 STATE PROJECT NUMBER: BA-40 2700 RIVERINE SAND MINING / SCOFIELD ISLAND RESTORATION 3000 -40 FT (MAX) 10 (MAX) 3300 SHEET 12 OF 37 DATE: NOVEMBER, 2010 EAST BORROW AREA DESIGN SECTION OFFSHORE SCALE: H: 1" = 450' V: 1" = 15'

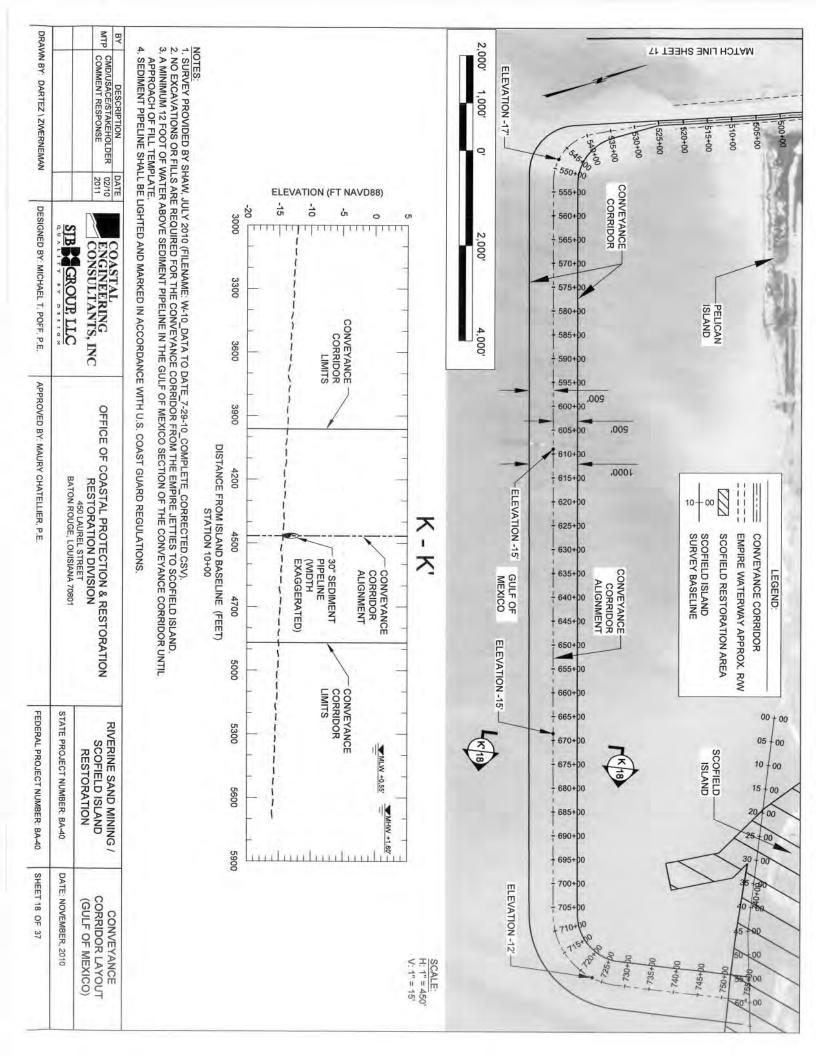


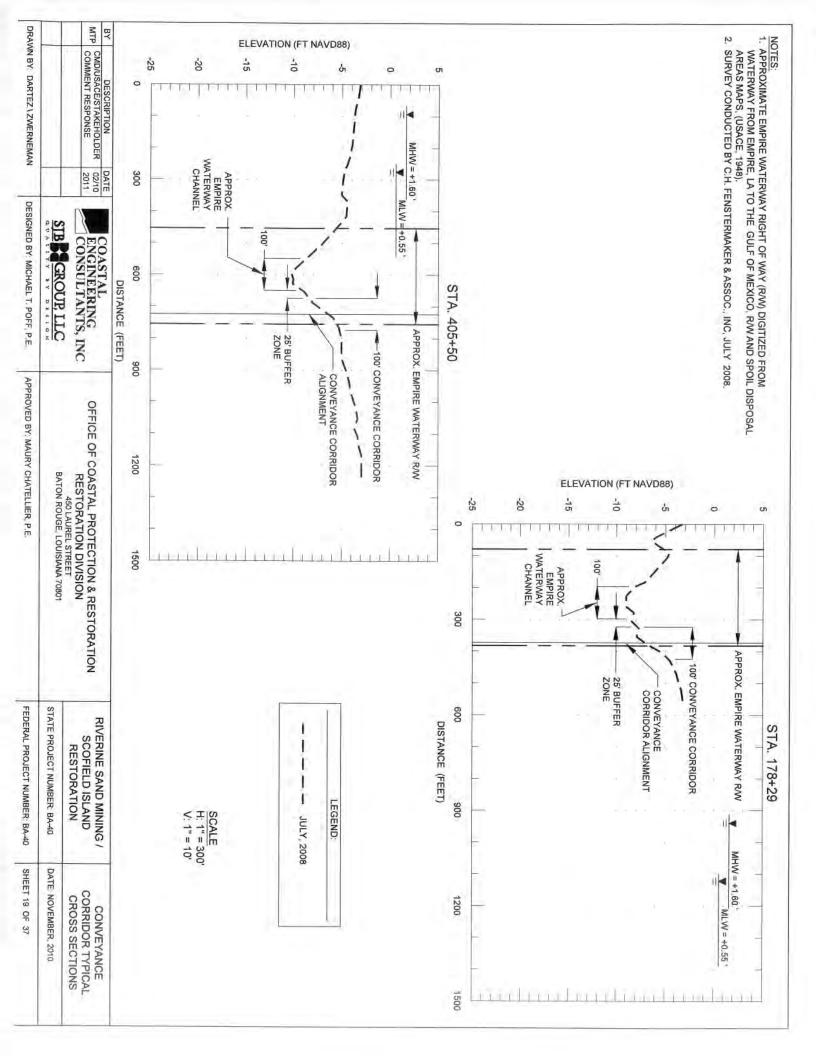


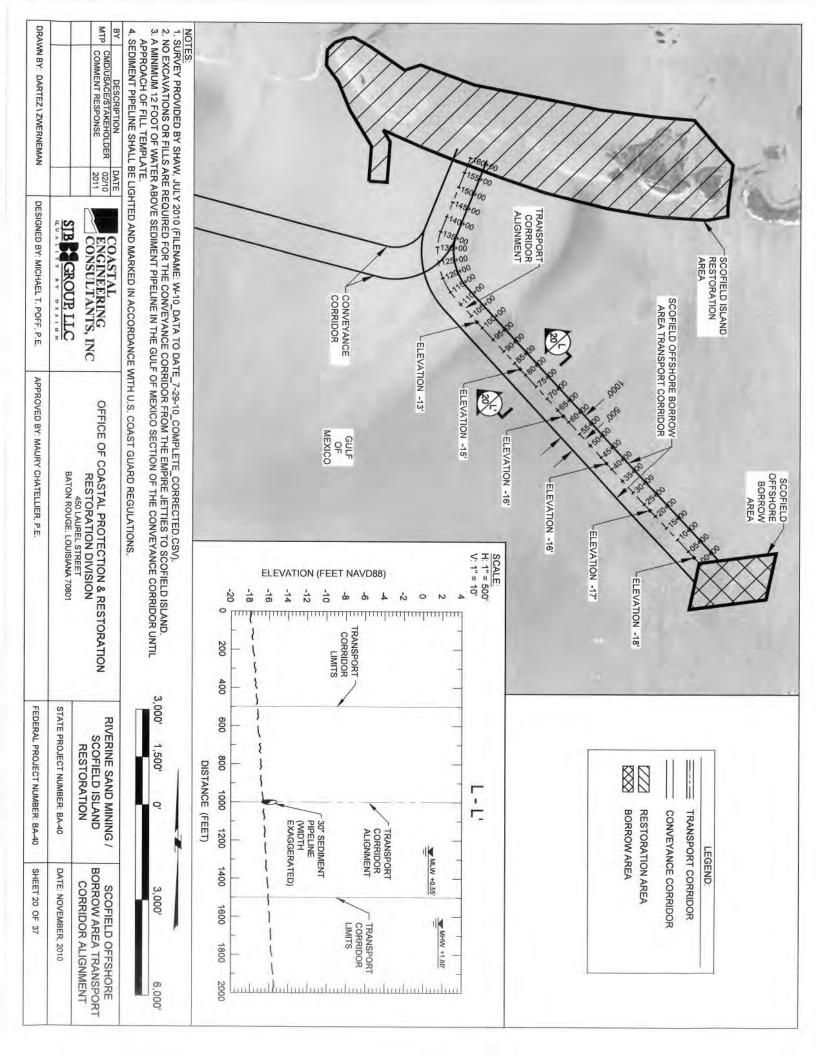


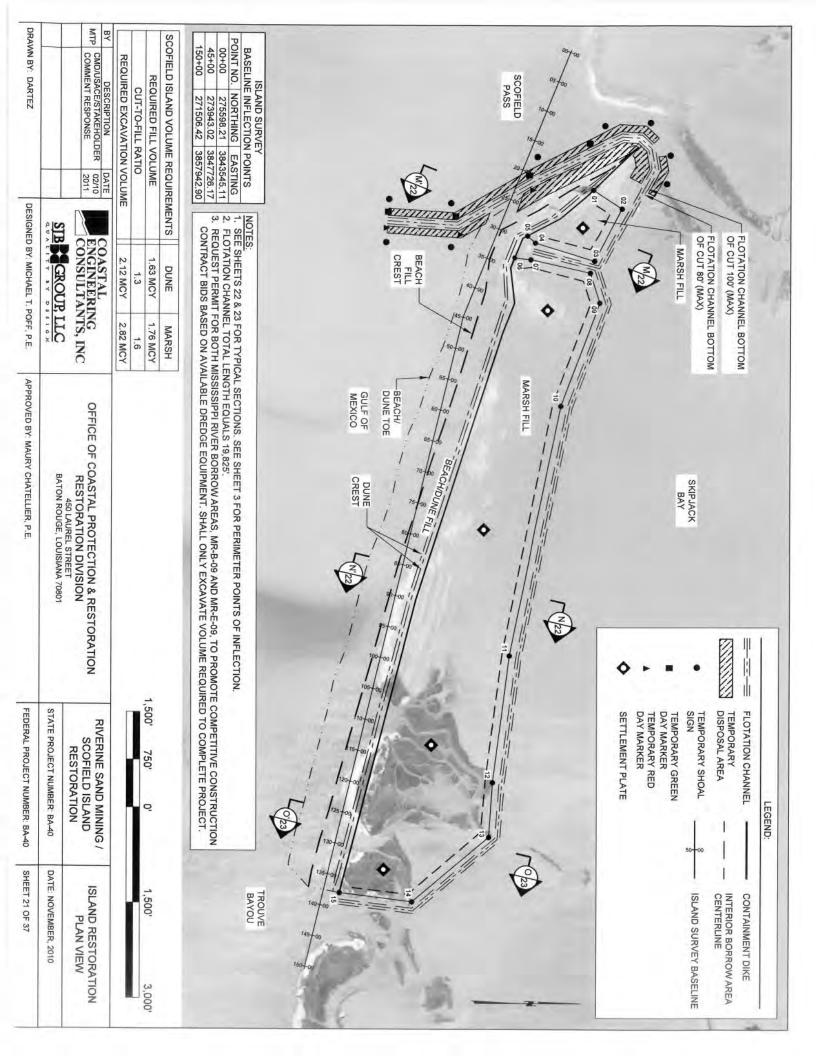


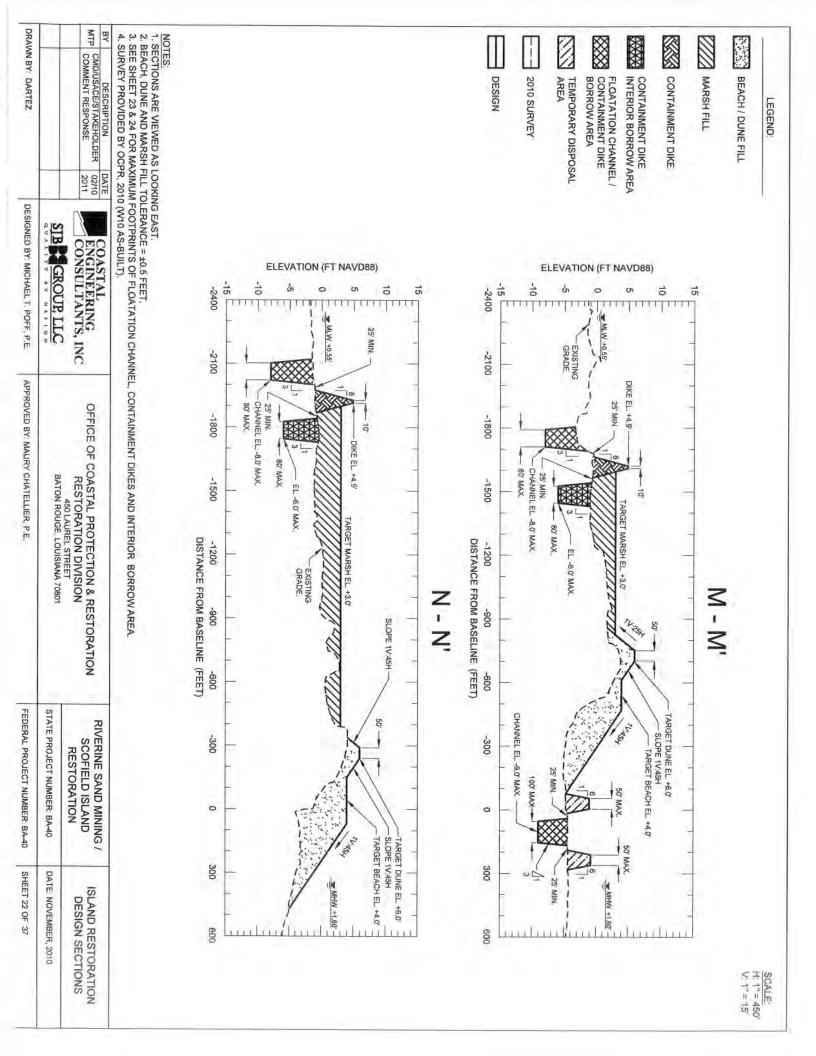


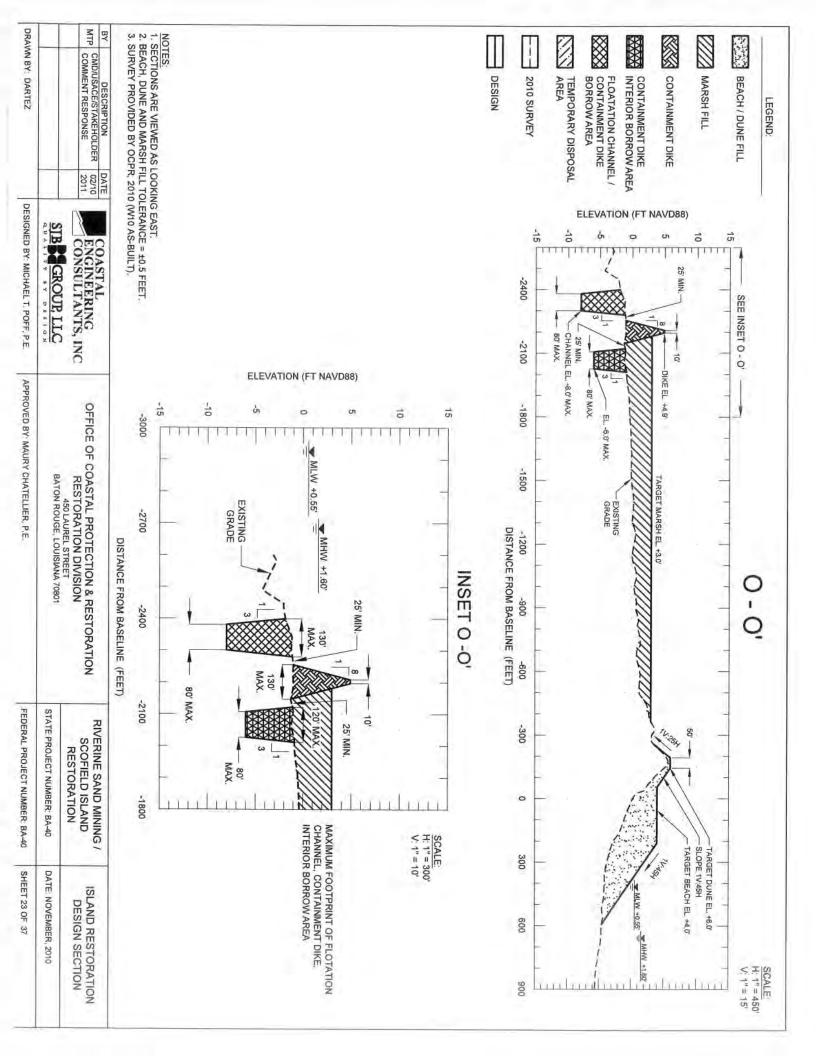


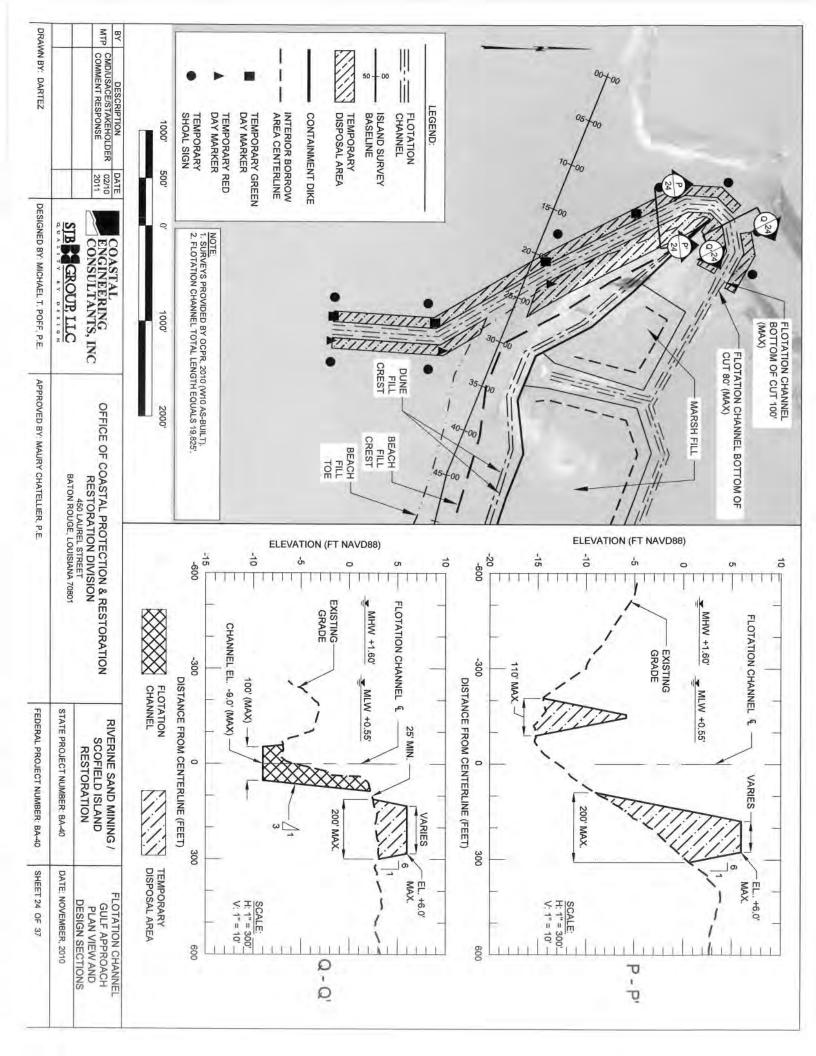


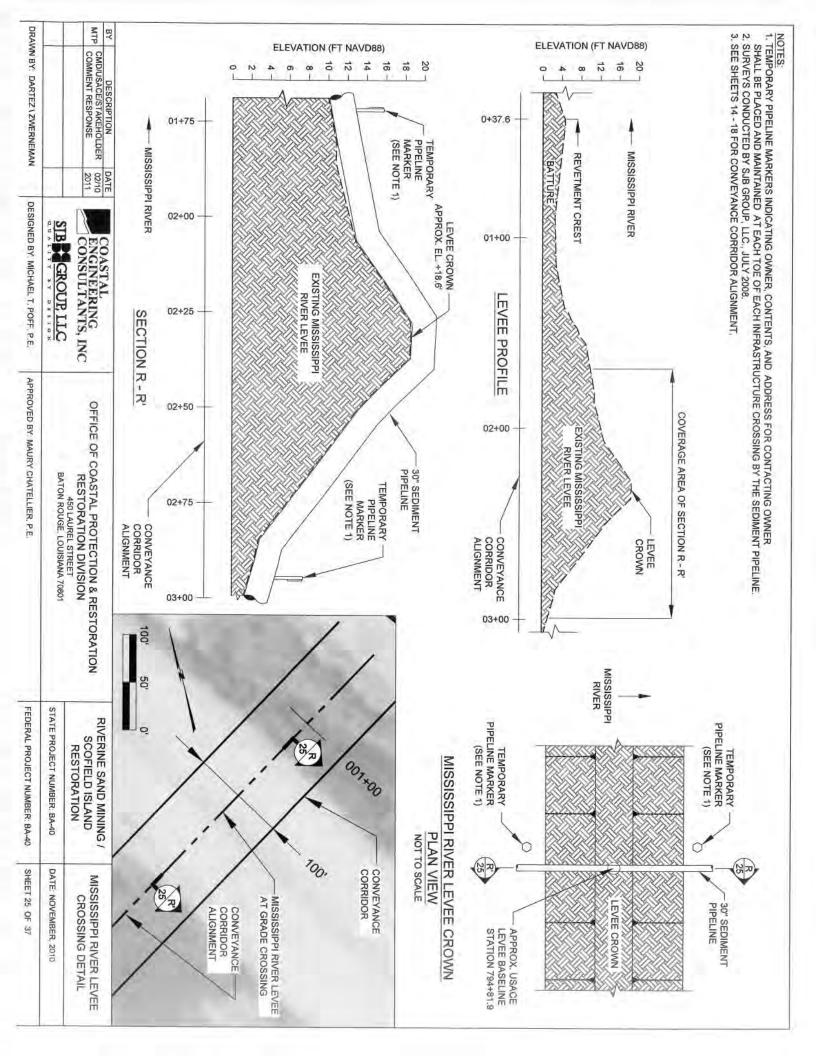


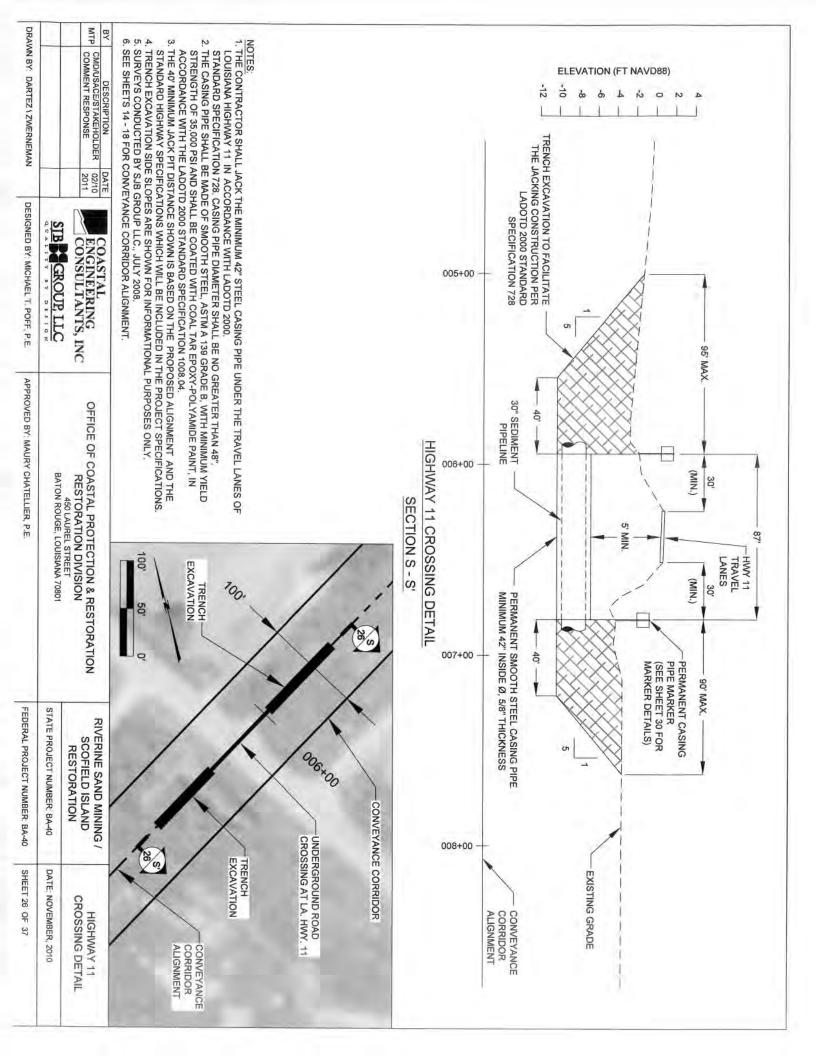


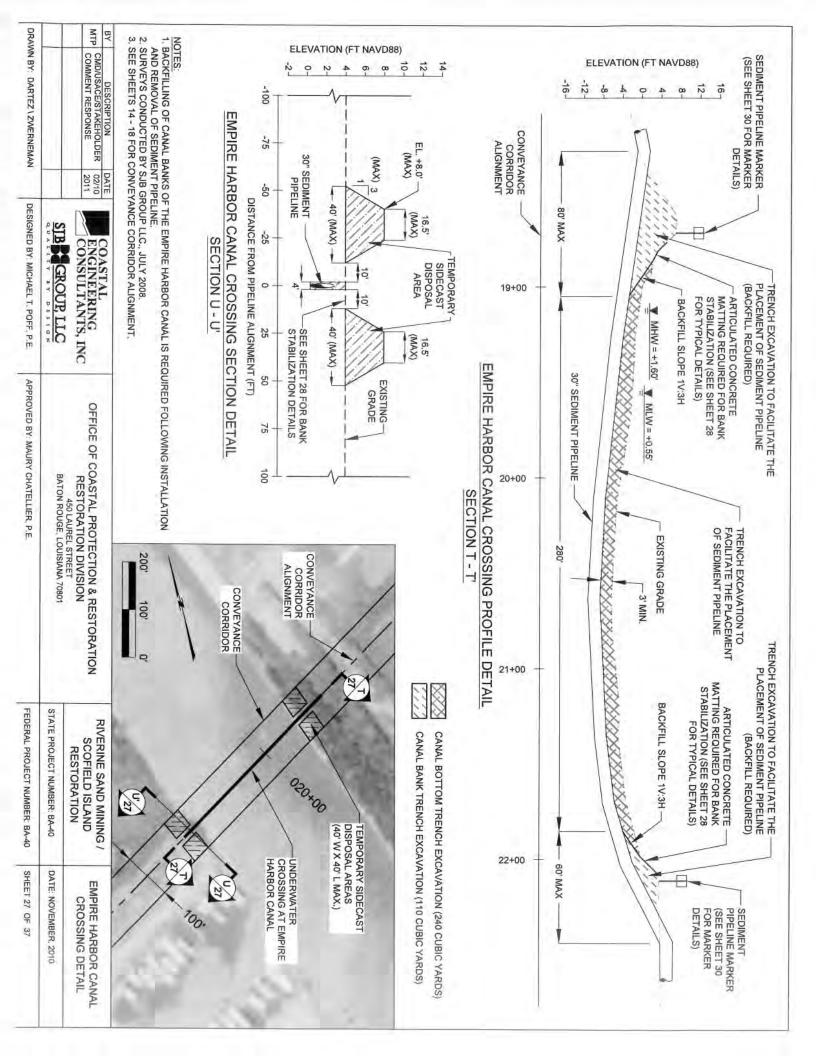


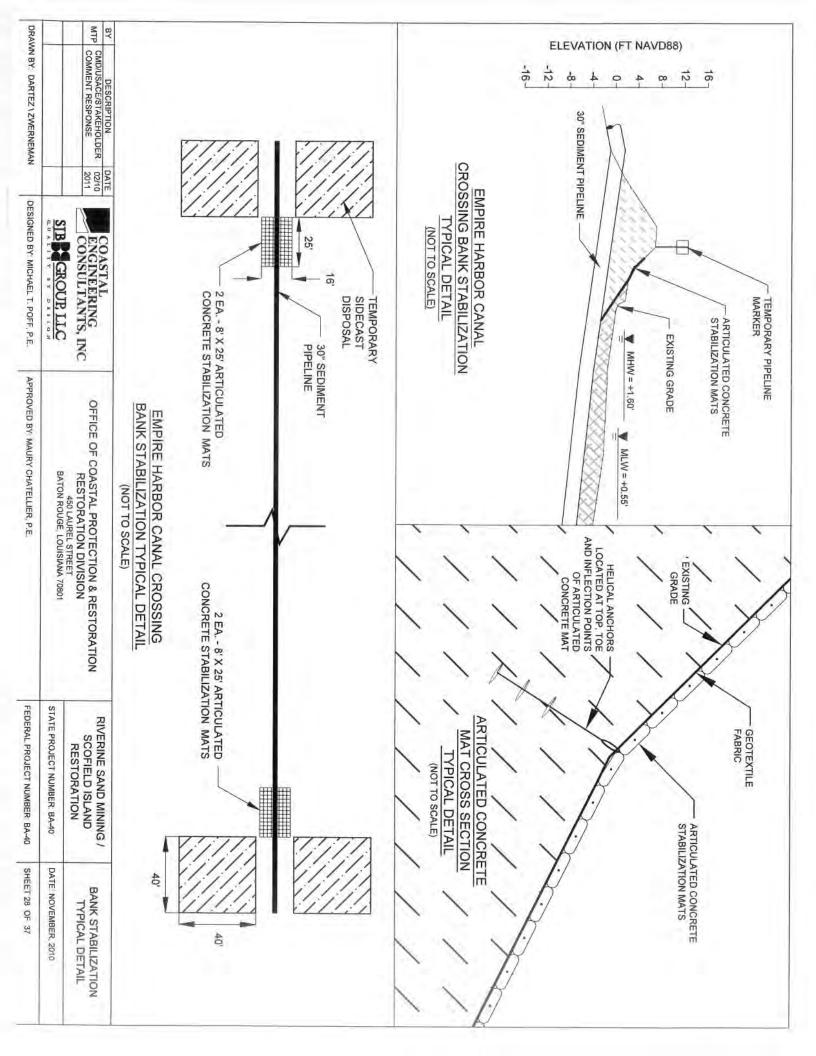


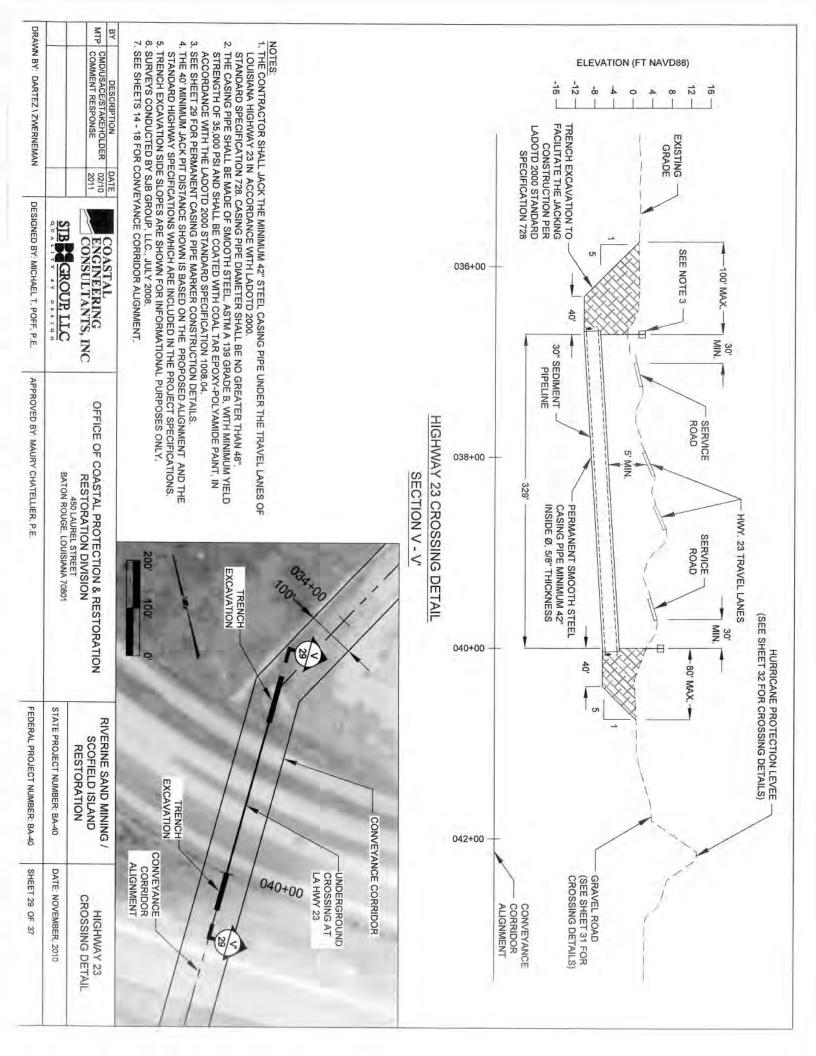


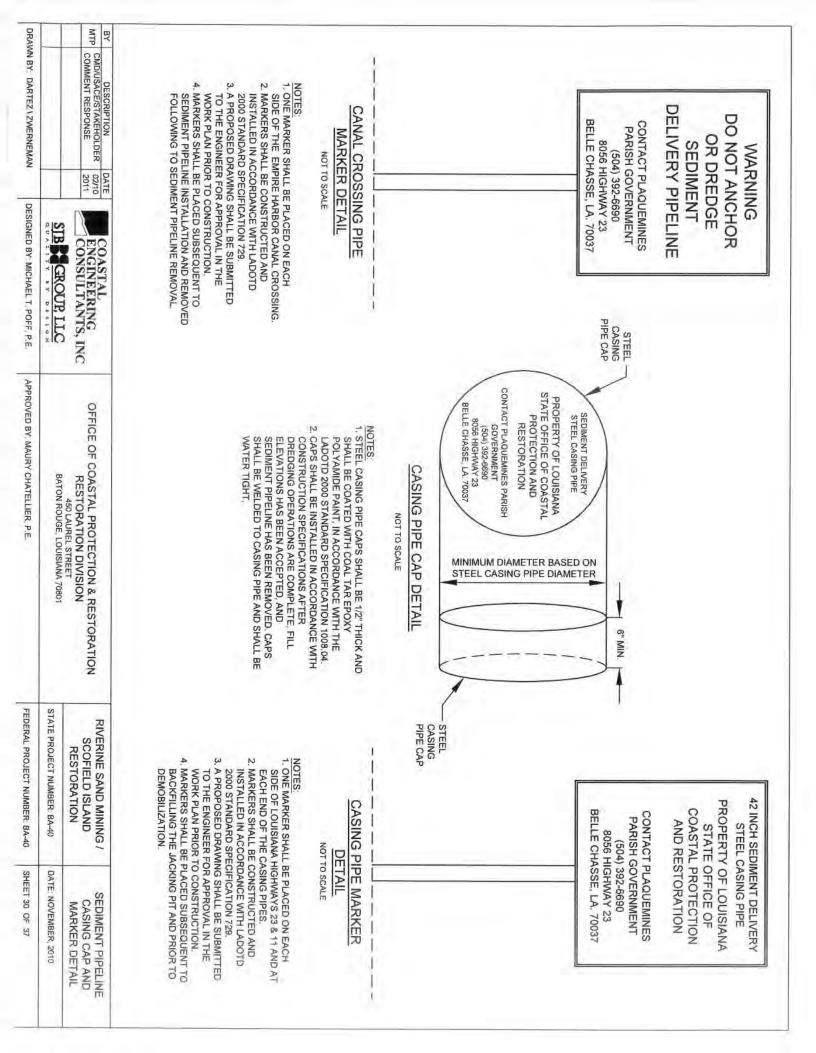


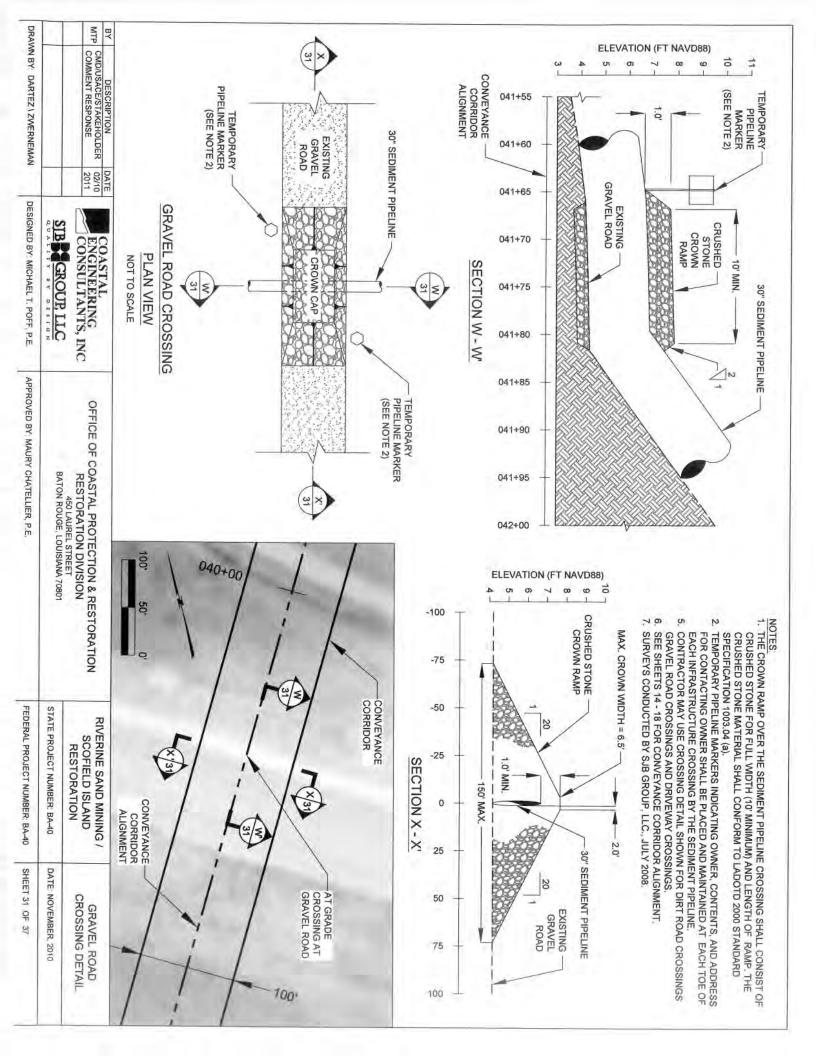


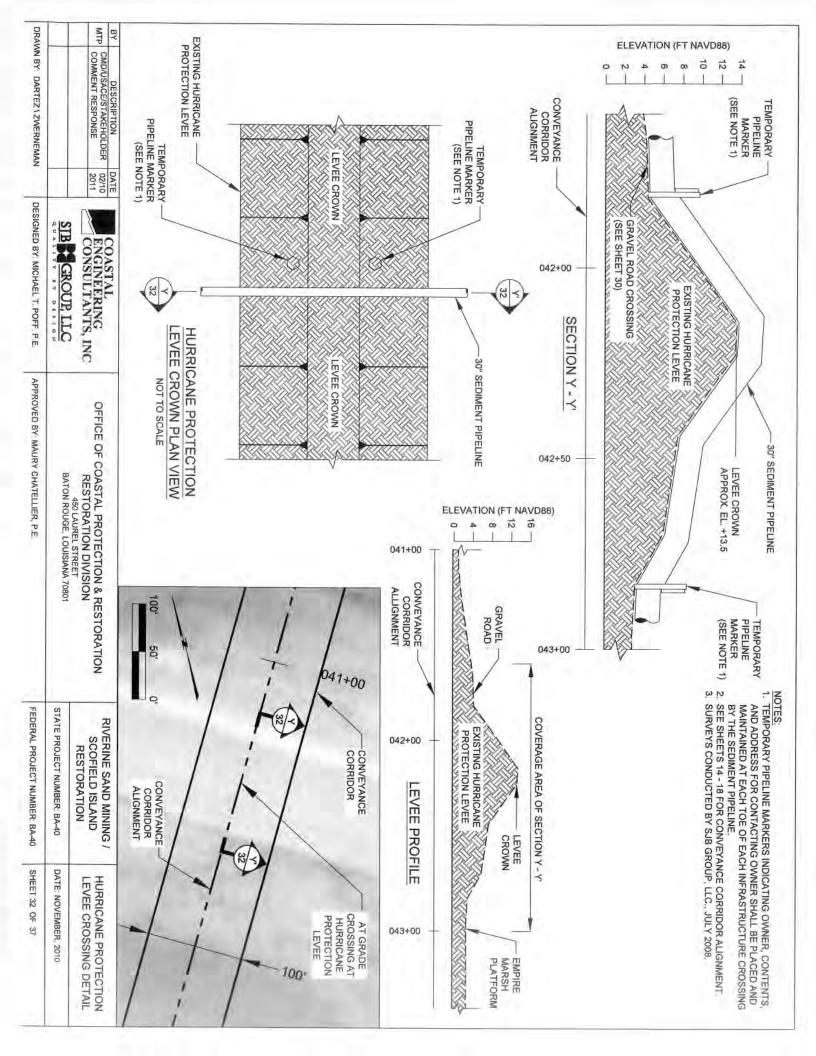


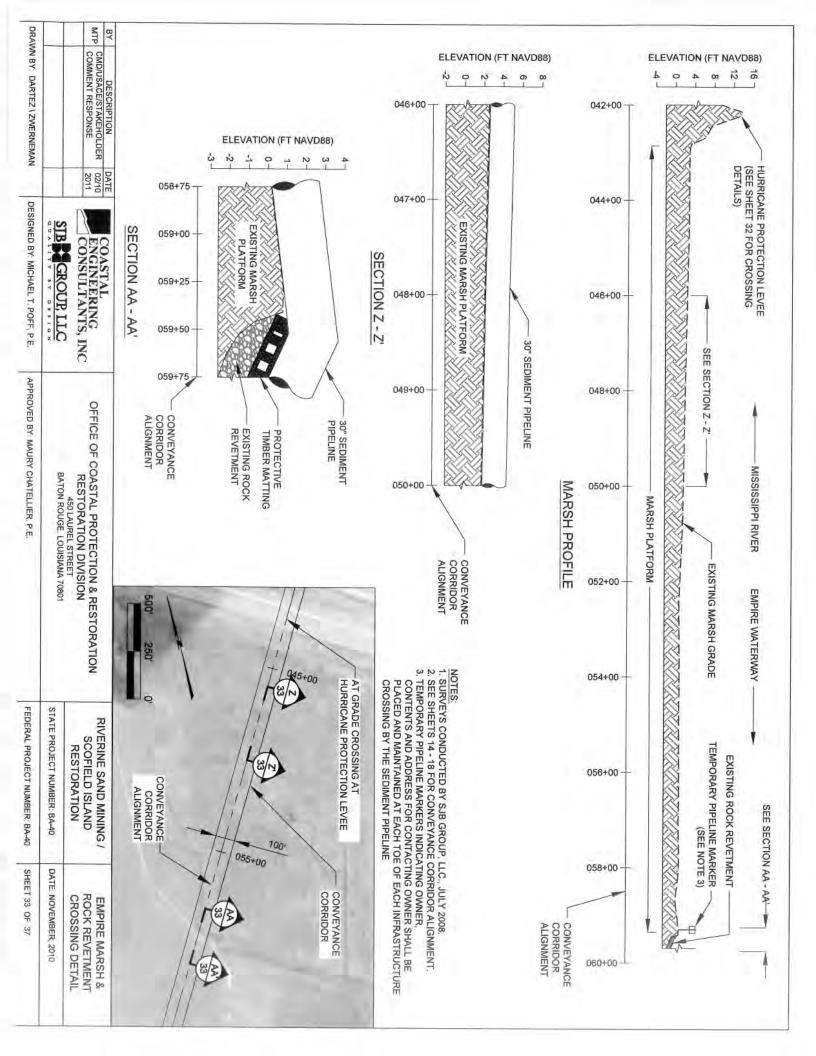


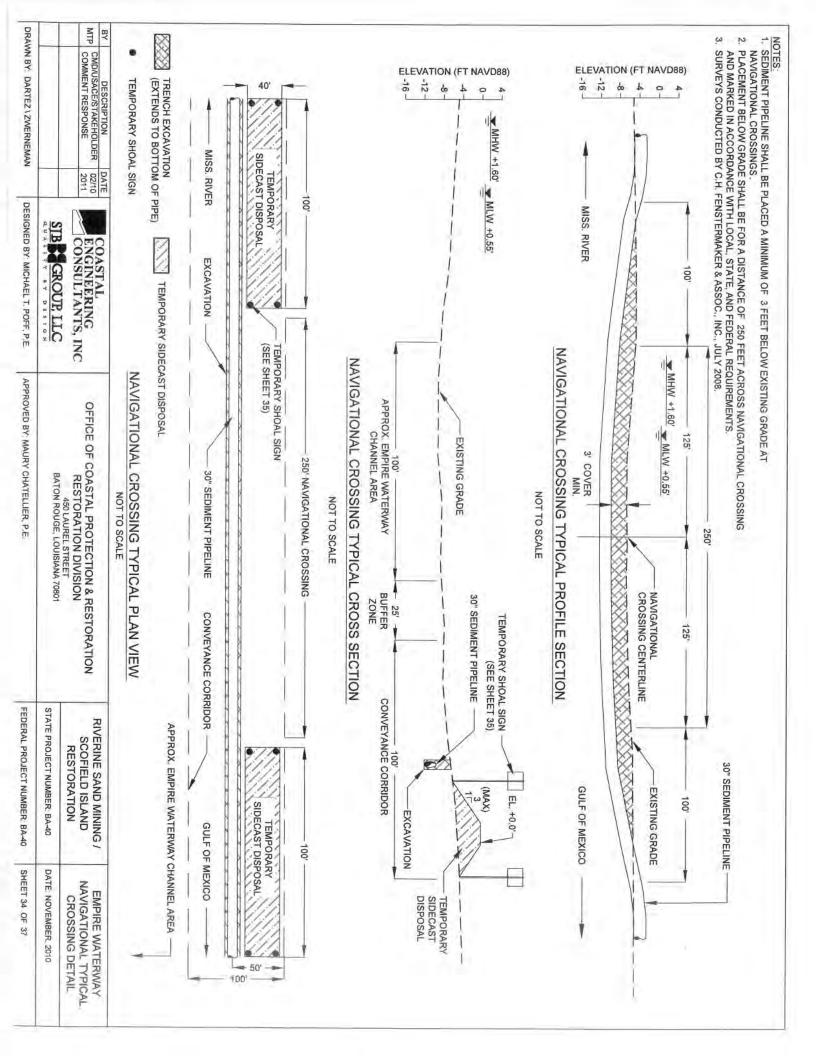


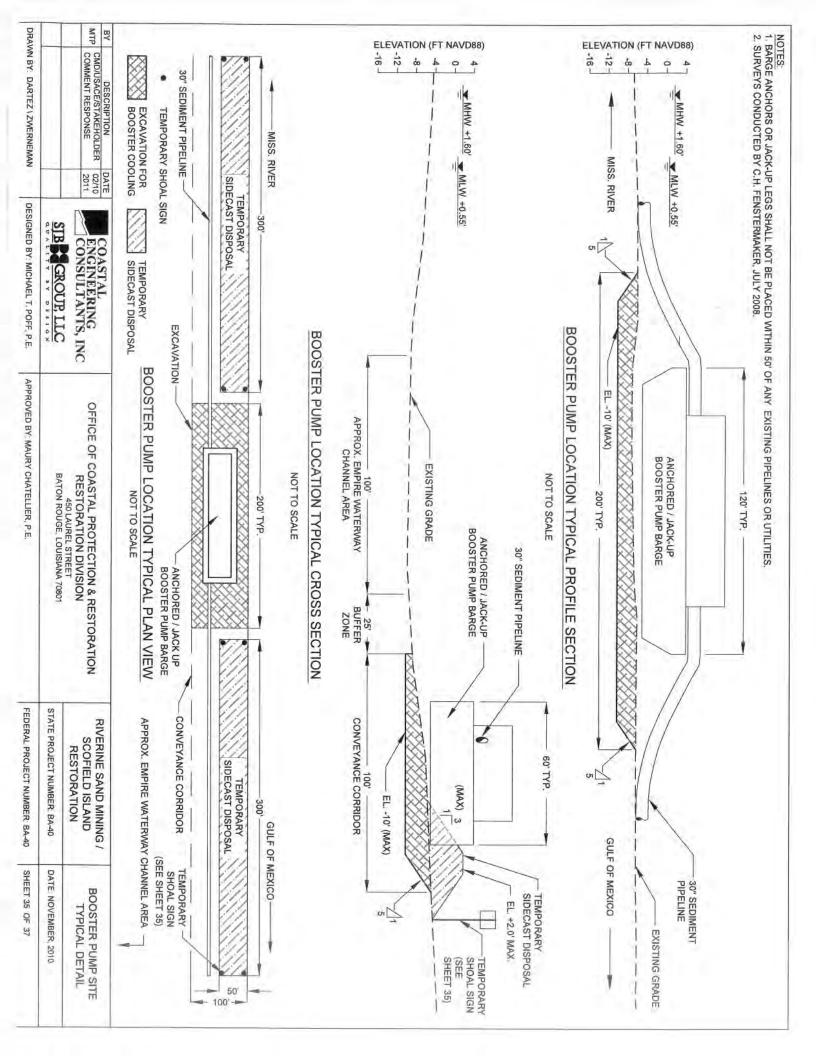


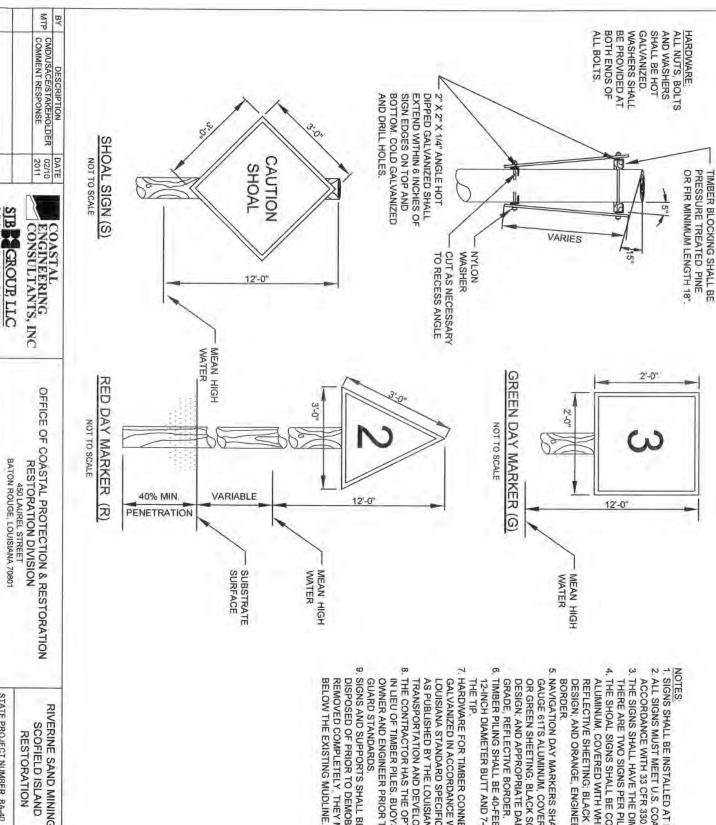












SIGNS SHALL BE INSTALLED AT LOCATIONS SHOWN ON SHEETS 20 & 34

2. ALL SIGNS MUST MEET U.S. COAST GUARD STANDARDS IN

THE SIGNS SHALL HAVE THE DIMENSIONS AND MESSAGES SHOWN ACCORDANCE WITH 33 CFR 330,4 (a) (1)

4. THE SHOAL SIGNS SHALL BE CONSTRUCTED WITH 125 GAUGE 61TS REFLECTIVE SHEETING; BLACK SCREENED LETTERING AND DESIGN; AND ORANGE, ENGINEER GRADE, REFLECTIVE ALUMINUM, COVERED WITH WHITE, ENGINEER GRADE, THERE ARE TWO SIGNS PER PILE.

5. NAVIGATION DAY MARKERS SHALL BE CONSTRUCTED OF 125 DESIGN; AND APPROPRIATE DARKER RED OR GREEN, ENGINEER OR GREEN SHEETING; BLACK SCREENED LETTERING AND GRADE, REFLECTIVE BORDER. GAUGE 61TS ALUMINUM, COVERED WITH THE APPROPRIATE RED

TIMBER PILING SHALL BE 40-FEET IN LENGTH WITH A NOMINAL 12-INCH DIAMETER BUTT AND 7-INCH MINIMUM DIAMETER AT

7. HARDWARE FOR TIMBER CONNECTIONS SHALL BE HOT DIPPED THE CONTRACTOR HAS THE OPTION OF USING TEMPORARY BUDYS AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES GALVANIZED IN ACCORDANCE WITH SECTION 811.5 OF THE TRANSPORTATION AND DEVELOPMENT, LATEST EDITION

9. SIGNS AND SUPPORTS SHALL BE REMOVED AND PROPERLY DISPOSED OF PRIOR TO DEMOBILIZATION. IF PILES CANNOT BE REMOVED COMPLETELY, THEY MUST BE REMOVED TO 10 FEET IN LIEU OF TIMBER PILES. BUOYS MUST BE APPROVED BY THE OWNER AND ENGINEER PRIOR TO MOBILIZATION AND U.S. COAST

BATON ROUGE, LOUISIANA 70801

DRAWN BY: DARTEZ / ZWERNEMAN

DESIGNED BY: MICHAEL T. POFF, P.E.

APPROVED BY: MAURY CHATELLIER, P.E.

FEDERAL PROJECT NUMBER: BA-40 SH	STATE PROJECT NUMBER: BA-40 DA	SCOFIELD ISLAND RESTORATION
SHEET 36 OF 37	DATE: NOVEMBER, 2010	NAVIGATION AND SHOAL SIGN DETAIL

