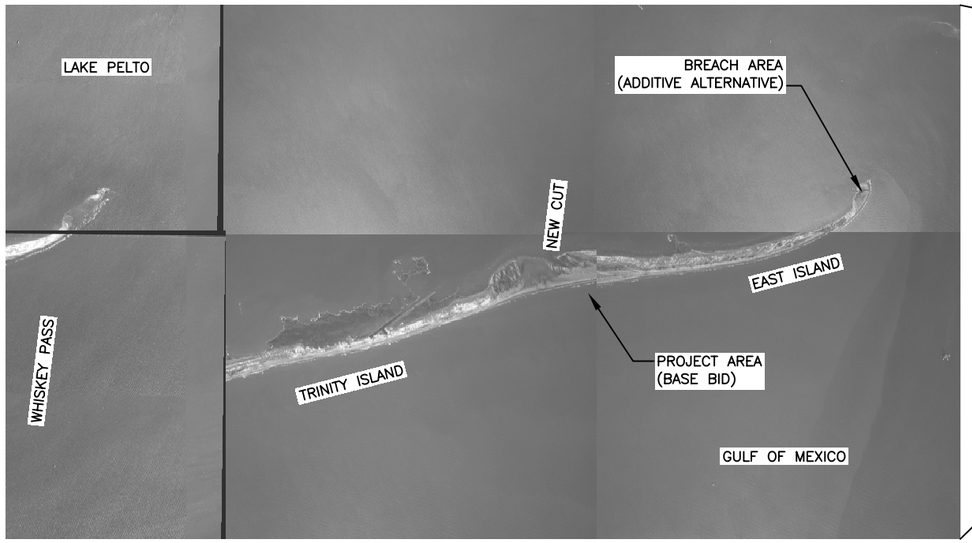
APPENDIX E
As-built Drawings

STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	PROJECT LAYOUT
4	CONSTRUCTION ACCESS
5	PROFILE LAYOUTS
6	PIPELINE & WELL LOCATIONS
7	WELL LOCATION COORDINATES
8	BORROW LAYOUT
9	MAGNETOMETER ANOMALY TABLE
10	SAND FENCE LAYOUT
11	SAND FENCE DETAILS
12	TYPICAL CROSS SECTIONS
13	BREACH FILL LOCATION
14	DETAILS
15–20	CROSS SECTIONS
21	BORROW LAYOUT CROSS SECTIONS

NEW CUT DUNE/MARSH RESTORATION PROJECT
TE-37
TERREBONNE PARISH





FEDERAL PROJECT SPONSOR

STATE PROJECT SPONSOR

CED DIRECTOR

CED ENGINEER MANAGER

CED PROJECT ENGINEER

AS-BUILT

TYPE OF CONSTRUCTION

CLASSIFICATION III (HEAVY CONSTRUCTION)
BARRIER ISLAND DUNE/MARSH RESTORATION
HYDRAULIC DREDGING

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST
DESIGNED BY: RICKEY BROUILETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT
STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-11A
APPROVED BY: LUKE LE BAS, P.E.

TITLE SHEET
DATE: FEBRUARY 2006
SHEET 1 OF 21

GENERAL NOTES

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83), LOUISIANA STATE PLANE, SOUTH ZONE, U.S. SURVEY FEET.

2. THE RECOMMENDED BORROW AREAS ARE SHOWN ON SHEET 8 OF THE DRAWINGS. THE LOCATION OF ALL VIBRACORES AND SAND VERIFICATION CORES ARE AVAILABLE UPON REQUEST. BASED ON THE INFORMATION GIVEN IN THESE DRAWINGS, THE CONTRACTOR SHALL DEVELOP A DREDGING PLAN TO BE APPROVED BY THE ENGINEER. IN NO CASE SHALL THE CONTRACTOR DREDGE BELOW OR OUTSIDE THE LIMITS STATED ON SHEET 8 WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING SAFE ACCESS TO THE PROJECT AREA AND FOR NAVIGATING WITHIN THE AREA THOUGHOUT THE ENTIRE CONSTRUCTION PHASE. THE ENGINEER OR HIS REPRESENTATIVE WILL MONITOR THE PROJECT AREA AND ACCESS LOCATIONS DURING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE OPERATORS FIVE (5) WORKING DAYS IN ADVANCE OF THE WORK. ALL PIPELINES SHALL BE INTIALLY MARKED WITH BUOYS BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND SHALL HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. THE FOLLOWING IS A LIST OF PIPELINE OPERATORS KNOWN TO HAVE PIPELINES IN THE VICINITY. THE CONTRACTOR SHALL CALL LOUISIANA–ONE–CALL AND PIPELINE SAFETY (225) 342–3417, FIVE (5) WORKING DAYS PRIOR TO MOBILIZATION. THE CONTRACTOR SHALL NOT PERFORM ANY OPERATIONS WITHIN 200' OF A PIPELINE.

TENNESSEE GAS PIPELINE
CONTACT: PAUL CRAFT
PHONE: (985) 223–6420
FAX: (985) 868–1423
PIPE SIZE: 8"

BOIS D'ARC
CONTACT: GREG MARTIN
PHONE: (713) 228–0438
FAX: (713) 228–1759
PIPE SIZE: 8"

TEXAS GAS TRANSMISSION LLC
CONTACT: WAYNE JOHNS
PHONE: (985) 631–0186
FAX: (985) 631–4937
PIPE SIZE: 8"

STONE ENERGY
CONTACT: TED RUSSELL
PHONE: (337) 521–2069
FAX: (337) 232–2276
PIPE SIZE: 4"

TEXACO EXP. AND PROD.
CONTACT: ANTHONY BODINE
PHONE: (337) 572–3747
FAX: (337) 572–3822
PIPE SIZE: FLOW LINES

5. OYSTER LEASES ARE IN THE VICNITY OF THE WORK. THE CONTRACTOR SHALL NOT DREDGE OR DISTURB BOTTOM WITHIN THE LIMIT OF OYSTER LEASES SHOWN ON THE DRAWINGS. KNOWN LEASES ARE LISTED BELOW:

LEASE NO: L–2720099 (AS SHOWN ON SHEET 3)
LEASEE: TIDELANDS SEAFOOD
PHONE: (504) 563–4516
STATUS: ACTIVE

6. VOLUMES SHOWN ARE FOR BIDDING PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED FROM APRIL 2005 TO JULY 2005. FOR THE PROJECT AREA (BASE BID) BEFORE AND AFTER DREDGING, CROSS SECTIONS OF THE FILL AREAS SHALL BE SURVEYED BY THE CONTRACTOR FOR MEASUREMENT AND PAYMENT PURPOSES. THE CONTRACTOR SHALL ALSO SURVEY THE BORROW AREA PRIOR TO BEGINNING DREDGING FOR THE BASE BID. IF THE ADDITIVE ALTERNATE IS NOT AWARDED, THE CONTRACTOR SHALL ALSO SURVEY THE BORROW AREA AFTER FINAL ACCEPTANCE OF THE BASE BID.

FOR THE BREACH AREA (ADDITIVE ALTERNATIVE), IF PERFORMED, AND AFTER COMPLETING THE BASE BID CONSTRUCTION, CROSS SECTIONS OF THE BORROW AREAS USED TO CONSTRUCT THE BREACH FILL SHALL BE SURVEYED BY THE CONTRACTOR FOR MEASUREMENT AND PAYMENT PURPOSES BEFORE BEGINNING AND AFTER COMPLETING THE BREACH FILL WORK. PRIOR TO BEGINNING PLACEMENT OF BREACH FILL, AND PRIOR TO ACCEPTANCE OF THE BREACH FILL AREA, THE CONTRACTOR SHALL SURVEY THE BREACH FILL FOOT PRINT WITH SECTIONS EVERY 500' ALONG THE CENTERLINE OF THE DUNE.

ALL SURVEY WORK PERFORMED BY THE CONTRACTOR FOR MEASUREMENT AND PAYMENT WILL BE MONITORED BY THE ENGINEER OR HIS REPRESENTATIVE. THE ENGINEER WILL REVIEW BEFORE AND AFTER SURVEY CROSS SECTIONS FOR COMPLETENESS AND ACCURACY.

7. HORIZONTAL AND VERTICAL DATUM INFORMATION IS BASED ON POINT, "TRINITY". X = 3,476,498.85; Y = 200,955.97; ELEVATION = 4.67' (NAVD 88).

8. MEAN LOW WATER EQUALS –0.05 FT. NAVD 88 BASED ON A LOCAL TEMPORARY GAGE CORRELATED TO THE GRAND ISLE GAGE.

9. MEAN HIGH WATER EQUALS 1.32 FT. NAVD 88 BASED ON A LOCAL TEMPORARY GAGE CORRELATED TO THE GRAND ISLE GAGE.

10. AERIALS ARE BASED ON 1998 DOQQ'S.

SUMMARY OF ESTIMATED QUANTITIES

BASE BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	AS–BUILT QUANTITY
1	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1	1
2	SURVEYING	LUMP SUM	1	1
3	ACCESS CHANNEL	LUMP SUM	1	1
4	CONTAINMENT DIKES	LINEAR FEET	7,500	8,024
5	HYDRAULIC DREDGING (IN PLACE)	CUBIC YARDS	830,650	844,540.20 *
6	GRADING AND SHAPING	LUMP SUM	1	1
7	SAND FENCING	LINEAR FEET	17,050	17,050
8	SEEDING	ACRES	55	55

*** ACTUAL MEASURED IN–PLACE QUANTITY WAS 1,001,276 C.Y. BASED ON AS–BUILT SURVEY**

ADDITIVE ALTERNATE BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
9	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
10	SURVEYING	LUMP SUM	1
11	ACCESS CHANNEL	LUMP SUM	1
12	BREACH FILL DREDGING (CUT VOLUME)	CUBIC YARDS	970,000
13	GRADING AND SHAPING	LUMP SUM	1
14	SAND FENCING	LINEAR FEET	4,400
15	SEEDING	ACRES	15

NOTE: ADDITIVE ALTERNATE NOT CONSTRUCTED

LOW BIDDER WILL BE DETERMINED ON THE BASIS OF THE BASE BID ALONE. THE OWNER RESERVES THE RIGHT TO AWARD ALL, PART OR NONE OF THE ADDIITIVE ALTERNATE BASED ON AVAILABLITY OF FUNDS.

QUANTITIES SHOWN ARE FOR BID PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED FROM 04/04/05 TO 7/22/05. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.

AS-BUILT

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY: RICKEY BROUILLETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LE BAS, P.E.

GENERAL NOTES

DATE: FEBRUARY 2006

NOTES:

1. STA. 193+63 THROUGH 214+63 ARE SPACED AT 500' INTERVALS. STA. 220+63 THROUGH 292+76 ARE SPACED AT 600' INTERVALS.
2. SEE SHEET 12 FOR TYPICAL SECTION A–A' REFERENCE STATION 250+64
3. SEE SHEET 12 FOR TYPICAL SECTION C–C' REFERENCE STATION 274+64
4. THE ENDS OF ALL FEATURES SHALL BE GRADED TO EXISTING GROUND ON A SLOPE.
5. CONTRACTOR IS PROHIBITED FROM TRAVERSING OVER ANY EXISTING VEGETATED AREAS OUTSIDE THE PROJECT CORRIDOR FOOT PRINT AND THE ACCESS CORRIDOR DENOTE ON SHEET 4.
6. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83), U.S. SURVEY FEET.
7. CONTRACTOR SHALL SUBMIT DESIGN DRAWINGS OF THE EFFLUENT STRUCTURES TO LDNR FOR APPROVAL.
8. EFFLUENT SPILL BOX TO BE LOCATED SUCH THAT THE DREDGE EFFLUENT FLOWS INTO OPEN WATER/LOW LYING NON VEGETATED AREAS WHERE POSSIBLE.

SURVEY BASELINE COORDINATES		
PT.	X	Y
A	3,480,238.31	202,076.74
B	3,488,399.75	205,094.59
C	3,489,013.79	205,184.32
D	3,490,193.57	205,166.46
E	3,491,192.35	204,938.55

ACTIVE OYSTER LEASE # 2720099

	AS-BUILT VOLUMES			
STATION	AREA	AVG. AREA	LENGTH	VOLUME
	S.F.	S.F.	FEET	C.Y.
226+64	4775			
		5262.00	600	[illegible]
232+64	5750			
		5402.50	600	1230[illegible]
238+64	5527			
		5572.50	600	[illegible]
244+64	5618			
		5436.50	600	122188.888888
250+64	5255			
		3956.50	600	657[illegible]
256+64	2644			
		2516.00	600	56[illegible]
262+64	2394			
		2375.00	600	53[illegible]
268+64	2350			
		2328.00	600	52333.333333
274+64	2600			
		2494.00	600	56423.222222
280+64	2388			
		2346.00	600	52735.000000
286+64	2310			
		2308.50	612	47281.000000
292+76	1865			
		1715.50	688	43777.018519
299+65	1566			
		1457.00	503	26811.1[illegible]
304+65	1308			
		653.00	500	[illegible]
309+65	1039			
		1038.00	[illegible]	42[illegible]
309+89	0			
			TOTAL FILL (C.Y.)	1001274.351852

LAKE PELTO

STA: 220+63
STA: 226+64 BEGIN PROJECT
STA: 232+64
STA: 238+64
STA: 244+64
STA: 250+64
STA: 256+64
STA: 262+64
STA: 268+64
STA: 274+64
STA: 280+64
STA: 286+64
STA: 292+76
STA: 299+65
STA: 304+65
STA: 309+65
END PROJECT
STA: 314+89
STA: 199+63
STA: 204+63
STA: 209+63
STA: 214+63

EFFLUENT STRUCTURE (LOCATION TO BE FIELD LOCATED)

EFFLUENT STRUCTURE (LOCATION TO BE FIELD LOCATED)

A 12

A B C D E

TRINITY ISLAND

TE24–SM–02
X = 3,477,189.08
Y = 201,525.64
ELEV. = 4.42'

GULF OF MEXICO

AS–BUILT CUT/FILL VOLUMES	
TOTAL FILL (AVG. END AREA)	= 1,001,274.35 C.Y.
TOTL CUT (PRIZMOIDAL VOL.)	= 729,517.64 C.Y.
CUT/FILL RATIO	= 0.729

LEGEND

- BAY BERM
- DUNE PLATFORM
- GULF BERM
- GULF SLOPE
- OPEN WATER

AS-BUILT

1000' 500' 0' 1000' 2000'

REV.	DATE	DESCRIPTION	BY
1	2/1/07	TEMPLATE MOVED 150' TOWARD GULF	KC
2	2/1/07	DELETED MARSH CREATION & EXISTING MARSH	KC
3	2/1/07	MOVED EFFLUENT STRUCTURES	KC
4	2/1/07	ADDED NOTE 8	KC
5	2/1/07	NEW MONUMENT	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST
DESIGNED BY: RICKEY BROUILLETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

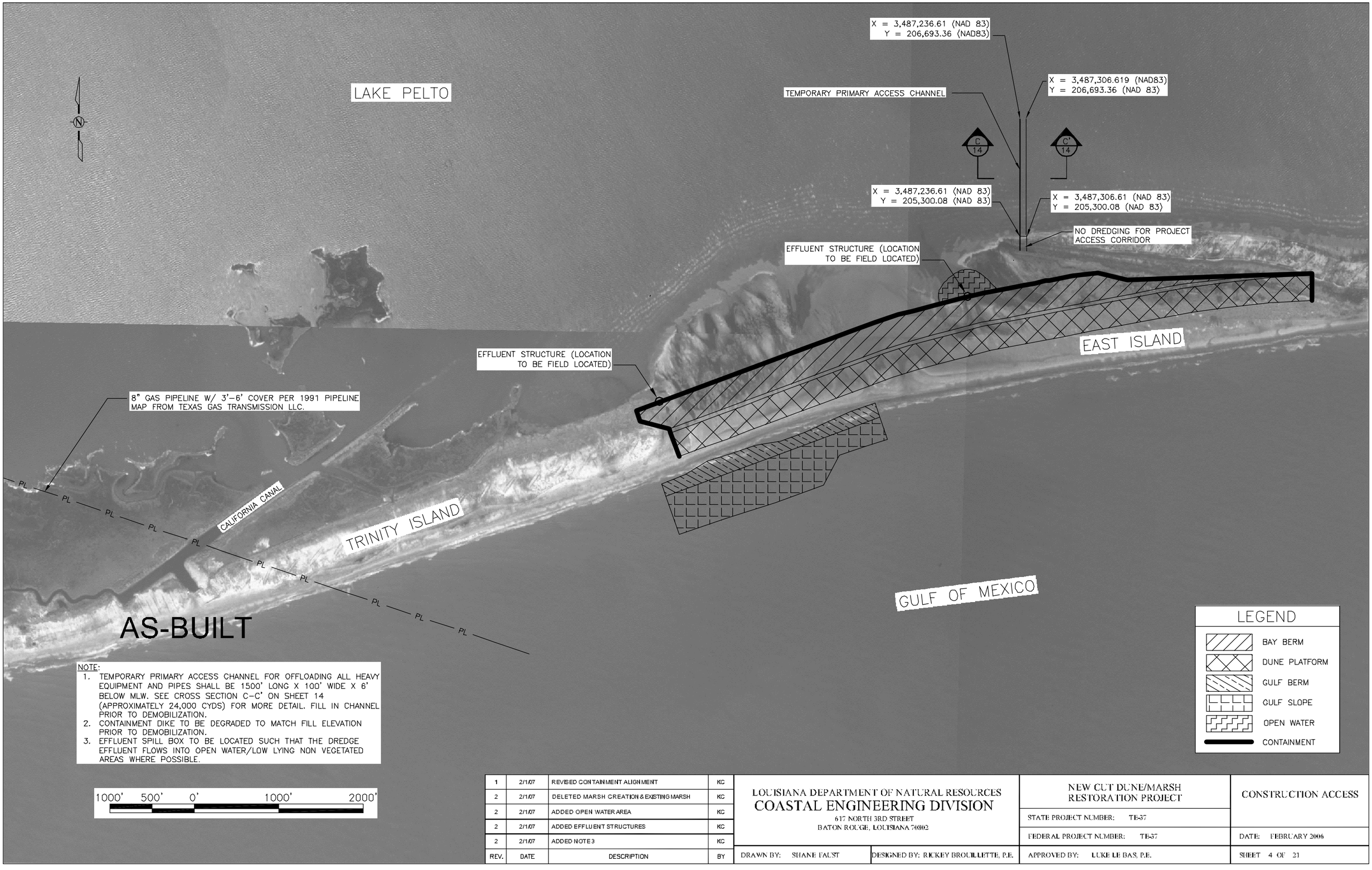
STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-11A

APPROVED BY: LUKE LE BAS, P.E.

PROJECT LAYOUT

DATE: FEBRUARY 2006

SHEET 3 OF 21



NOTE:

1. TEMPORARY PRIMARY ACCESS CHANNEL FOR OFFLOADING ALL HEAVY EQUIPMENT AND PIPES SHALL BE 1500' LONG X 100' WIDE X 6' BELOW MLW. SEE CROSS SECTION C-C' ON SHEET 14 (APPROXIMATELY 24,000 CYDS) FOR MORE DETAIL. FILL IN CHANNEL PRIOR TO DEMOBILIZATION.
2. CONTAINMENT DIKE TO BE DEGRADED TO MATCH FILL ELEVATION PRIOR TO DEMOBILIZATION.
3. EFFLUENT SPILL BOX TO BE LOCATED SUCH THAT THE DREDGE EFFLUENT FLOWS INTO OPEN WATER/LOW LYING NON VEGETATED AREAS WHERE POSSIBLE.

1000' 500' 0' 1000' 2000'

LEGEND

- BAY BERM
- DUNE PLATFORM
- GULF BERM
- GULF SLOPE
- OPEN WATER
- CONTAINMENT

REV.	DATE	DESCRIPTION	BY
1	2/1/07	REVISED CONTAINMENT ALIGNMENT	KC
2	2/1/07	DELETED MARSH CREATION & EXISTING MARSH	KC
2	2/1/07	ADDED OPEN WATER AREA	KC
2	2/1/07	ADDED EFFLUENT STRUCTURES	KC
2	2/1/07	ADDED NOTE 3	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST
DESIGNED BY: RICKEY BROUILLETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-57
FEDERAL PROJECT NUMBER: TE-57
APPROVED BY: LUKE LE BAS, P.E.

CONSTRUCTION ACCESS

DATE: FEBRUARY 2006
SHEET 4 OF 21

TABLE 1

PROFILE	BEARING	COORDINATE @ BASELINE	
		X	Y
STA. 214+63	N 19°13'16" W	3481645.44	202597.05
STA. 220+63	N 19°13'16" W	3482208.32	202805.19
STA. 226+64	N 19°13'16" W	3482771.18	203013.31
STA. 232+64	N 19°13'16" W	3483334.03	203221.44
STA. 238+64	N 19°13'16" W	3483896.90	203429.57
STA. 244+64	N 19°13'16" W	3484459.75	203637.70
STA. 250+64	N 19°13'16" W	3485022.61	203845.83
STA. 256+64	N 19°13'16" W	3485585.46	204053.95
STA. 262+64	N 19°13'16" W	3486148.33	204262.08
STA. 268+64	N 19°13'16" W	3486711.18	204470.21
STA. 274+64	N 19°13'16" W	3487274.04	204678.33
STA. 280+64	N 19°13'16" W	3487836.89	204886.46
STA. 286+64	N 19°13'16" W	3488399.75	205094.59
STA. 292+76	N 19°13'16" W	3489004.38	205182.94
STA. 299+65	S 0°18'47" W	3489693.62	205174.70
STA. 304+65	S 0°18'47" W	3490193.57	205166.46
STA. 309+77	S 0°18'47" W	3490692.97	205052.51

TABLE 2

STA. 226+64		STA. 232+64		SAT. 238+64		STA. 244+64	
OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
473	4.00	−235	4.00	−235	4.00	−235	4.00
833	4.00	25	4.00	104	4.00	105	4.00
1411	−7.54	133	5.87	150	7.00	150	7.00
		150	7.00	450	7.00	450	7.00
		450	7.00	508	3.10	495	4.00
		495	4.00	622	4.00	833	4.00
		834	4.00	834	4.00	1453	−8.39
		1405	−7.38	1428	−7.88		

TABLE 3

STA. 250+64		STA. 256+54		STA. 262+64		STA. 268+64	
OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
−235	4.00	−235	4.00	−197	4.00	−138	4.00
105	4.00	105	4.00	143	4.00	202	4.00
150	7.00	150	7.00	188	7.00	247	7.00
450	7.00	450	7.00	489	7.00	550	7.00
494	4.00	515	2.68	552	2.78	607	3.24
833	4.00						
1454	−8.50						

TABLE 4

STA. 274+64		STA. 280+64		STA. 286+64		STA. 292+76	
OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
−38	4.00	65	4.00	161	4.00	246	4.00
302	4.00	405	4.00	501	4.00	474	4.00
348	7.00	450	7.00	547	7.00	520	7.00
651	7.00	750	7.00	850	7.00	826	7.00
708	3.20	796	4.15	889	4.44	855	5.13

TABLE 5

STA. 299+65		STA. 304+65		STA. 309+65	
OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
350	2.65	298	3.48	203	6.52
417	7.00	351	7.00	210	7.00
719	7.00	653	7.00	510	7.00
763	4.10	688	4.70	540	5.01

AS-BUILT

NOTES:
1. OFFSET DISTANCES ARE IN FEET. ELEVATIONS ARE IN FEET.
2. THE NEGATIVE OFFSET NUMBERS ARE HEADING NORTH FROM THE BASELINE/PROFILE INTERSECTION COORDINATE ALONG THE GIVEN BEARING.
3. THE POSITIVE OFFSET NUMBERS ARE HEADING SOUTH FROM THE BASELINE/PROFILE INTERSECTION COORDINATE ALONG THE GIVEN BEARING.

REV.	DATE	DESCRIPTION	BY
1	2/1/07	DELETED ORIGINAL TABLE 2	KC
2	2/1/07	REVISED TABLES 2, 3, 4, AND 5	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY: RICKEY BROUILETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LE BAS, P.E.

PROFILE LAYOUTS

DATE: FEBRUARY 2006

NOTES:
1. SEE SHEET 7 FOR THE LOCATION/COORDINATES OF WELLS.
2. SEE SHEET 8 FOR THE BORROW AREA LAYOUT.

LEGEND

- 50 Ø — PLUGGED & ABANDONED WELL
- 61 ☼ — ACTIVE WELL
- 13 ☼ — PLUGGED & ABANDONED DRY HOLE
- PL — PIPELINE

ST19

ST20

PROJECT AREA

ST8

PRIMARY BORROW AREA

SECONDARY BORROW AREA

ST7

ST9

ST10

AS-BUILT

3,000' 1,500' 0' 3,000' 6,000'

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
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DRAWN BY: SHANE FAUST | DESIGNED BY: RICKEY BROUILETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LE BAS, P.E.

PIPELINE & WELL LOCATIONS

DATE: FEBRUARY 2006

SHEET 6 OF 21

INDEX	SERIA NO.	OPERATOR	Well Status	X NAD 83	Y NAD 83
1	228707	HELIS OIL & GAS COMPANY	01 Permited Well	3,462,079.87	195,114.90
2	108427	CHEVRON OIL COMPANY	10 Producing Well(Oil)	3,501,389.62	201,331.58
3	181205	STONE ENGERY COPORATION	10 Producing Well(Oil)	3,499,296.63	195,219.53
4	220388	STONE ENGERY COPORATION	10 Producing Well(Gas&Condensate)	3,494,582.60	193,265.50
5	223907	STONE ENGERY COPORATION	10 Producing Well(Gas&Condensate)	3,494,582.60	193,241.50
6	225555	BOLS d'ARC OFFSHORE LTD.	10 Producing Well(Gas&Condensate)	3,510,062.71	194,760.56
7	226041	STONE ENGERY COPORATION	10 Producing Well(Gas&Condensate)	3,505,185.66	199,084.58
8	227780	STONE ENGERY COPORATION	10 Producing Well(Gas&Condensate)	3,494,584.60	193,270.50
9	119836	CHEVRON OIL COMPANY	18 Temporarily Abandoned Wells	3,499,513.63	194,410.52
10	211690	UNKNOWN	22 Wells Reverted To Single Completion	3,499,346.63	193,699.52
11	33447	THE TEXAS COMPANY	29 P&A Dry Hole	3,494,371.55	210,271.63
12	50414	UNKNOWN	29 P&A Dry Hole	3,491,339.53	209,635.62
13	59666	HUNT OIL COMPANY	29 P&A Dry Hole	3,486,257.50	204,443.56
14	59894	SHELL OIL COMPANY	29 P&A Dry Hole	3,462,705.33	204,900.51
15	59895	UNION OIL COMPANY OF CALIFORNIA	29 P&A Dry Hole	3,473,405.41	205,646.54
16	65544	UNION OIL COMPANY OF CALIFORNIA	29 P&A Dry Hole	3,478,554.45	204,764.55
17	70052	UNION OIL COMPANY OF CALIFORNIA	29 P&A Dry Hole	3,483,749.48	207,156.58
18	73980	UNION OIL COMPANY OF CALIFORNIA	29 P&A Dry Hole	3,471,535.40	202,836.52
19	83291	THE CALIFORNIA COMPANY	29 P&A Dry Hole	3,480,955.47	204,013.55
20	87150	THE CALIFORNIA COMPANY	29 P&A Dry Hole	3,475,352.43	200,128.51
21	90303	THE CALIFORNIA COMPANY	29 P&A Dry Hole	3,480,796.48	198,085.50
22	95305	THE CALIFORNIA COMPANY	29 P&A Dry Hole	3,471,100.42	194,288.45
23	99254	THE CALIFORNIA COMPANY	29 P&A Dry Hole	3,464,407.36	196,981.46
24	101602	THE CALIFORNIA COMPANY	29 P&A Dry Hole	3,478,375.45	202,399.53
25	107068	CHEVRON OIL COMPANY	29 P&A Dry Hole	3,501,428.63	201,229.58
26	107779	UNKNOWN	29 P&A Dry Hole	3,498,608.60	201,423.57
27	109890	CHEVRON OIL COMPANY	29 P&A Dry Hole	3,500,137.63	197,032.55
28	111359	UNKNOWN	29 P&A Dry Hole	3,504,011.66	195,819.55
29	114664	CHEVRON OIL COMPANY	29 P&A Dry Hole	3,503,805.65	198,109.56
30	126980	CHEVRON OIL COMPANY	29 P&A Dry Hole	3,509,010.69	198,759.58
31	149055	TEXACO INC	29 P&A Dry Hole	3,488,776.51	210,857.62
32	153464	TEXACO INC	29 P&A Dry Hole	3,498,840.58	210,770.64
33	163973	CHEVRON OIL COMPANY	29 P&A Dry Hole	3,500,446.63	196,118.54
34	180081	LADD PETROLEUM CORPORATION	29 P&A Dry Hole	3,460,886.33	199,417.47
35	189641	DAC OIL CORPORATION	29 P&A Dry Hole	3,476,276.43	203,939.54
36	189932	PROGRESS PETROLEUM COMPANY	29 P&A Dry Hole	3,479,686.45	206,469.56
37	218280	NUEVO ENGERY	29 P&A Dry Hole	3,516,260.74	199,621.61
38	219503	LINDER OIL COMPANY	29 P&A Dry Hole	3,479,955.46	203,520.54
39	221645	STONE ENGERY COPORATION	29 P&A Dry Hole	3,504,164.66	197,183.56
40	222637	TRANSWORLD EXPOL. & PROD. INC.	29 P&A Dry Hole	3,461,347.33	197,401.45
41	226312	STONE ENGERY COPORATION	29 P&A Dry Hole	3,505,175.66	199,084.57
42	41947	THE TEXAS COMPANY	30 P&A Gas & Condensate Producer	3,496,953.57	211,123.64
43	55854	THE TEXAS COMPANY	30 P&A Producer	3,494,174.56	205,688.59
44	57617	THE TEXAS COMPANY	30 P&A Gas & Condensate Producer	3,494,462.55	211,108.64
45	64700	UNION OIL COMPANY OF CALIFORNIA	30 P&A Oil Producer	3,476,958.43	204,537.54
46	83502	THE CALIFORNIA COMPANY	30 P&A Oil Producer	3,471,271.41	198,361.48
47	84083	TEXACO INC	30 P&A Producer	3,494,321.56	207,762.61
48	88143	TEXACO INC	30 P&A Gas & Condensate Producer	3,500,638.60	209,326.64
49	88712	TEXACO INC	30 P&A Oil Producer	3,495,559.56	209,223.62
50	93091	TEXACO INC	30 P&A Producer	3,488,578.52	206,347.58
51	94712	TEXACO E & P INC.	30 P&A Producer	3,499,865.59	210,413.64
52	94936	TEXACO INC	30 P&A Producer	3,496,290.56	209,773.63
53	98124	TEXACO INC	30 P&A Oil Producer	3,499,605.58	211,102.65
54	108250	TEXACO INC	30 P&A Producer	3,486,703.49	210,336.61
55	151519	TEXACO INC	30 P&A Gas & Condensate Producer	3,489,101.51	210,023.61
56	158032	CHEVRON OIL COMPANY	30 P&A Producer	3,498,807.58	210,952.65
57	167267	THE CALIFORNIA COMPANY	30 P&A Gas & Condensate Producer	3,501,406.64	196,509.55
58	171293	LADD PETROLEUM CORPORATION	30 P&A Oil Producer	3,460,768.33	199,565.47
59	196355	PANTERRA EXPLORATION CO.	30 P&A Oil Producer	3,477,946.44	206,409.56
60	216239	STONE PETROLEUM CORP.	30 P&A Gas & Condensate Producer	3,477,304.46	194,733.47
61	110448	CHEVRON OIL COMPANY	33 Shut-in Productive Wells--Future Utility (Gas & Condensate)	3,500,137.63	197,032.55
62	111754	CHEVRON OIL COMPANY	33 Shut-in Productive Wells--Future Utility (Gas & Condensate)	3,504,394.66	195,930.55
63	112544	CHEVRON OIL COMPANY	33 Shut-in Productive Wells--Future Utility (Gas & Condensate)	3,503,286.66	194,214.53
64	160274	BURLINGTON RESOURCES	33 Shut-in Productive Wells--Future Utility (Gas & Condensate)	3,495,475.55	211,068.64
65	193000	CHEVRON OIL COMPANY	33 Shut-in Productive Wells--Future Utility (Gas & Condensate)	3,499,346.63	193,699.52
66	211554	STONE PETROLEUM CORP.	33 Shut-in Productive Wells--Future Utility (Gas & Condensate)	3,501,418.64	195,810.54
67	216118	TORCH OPERATING COMPANY	33 Shut-in Productive Wells--Future Utility (Gas & Condensate)	3,496,062.60	194,168.51

AS-BUILT

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY:RICKEY BROUILLETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

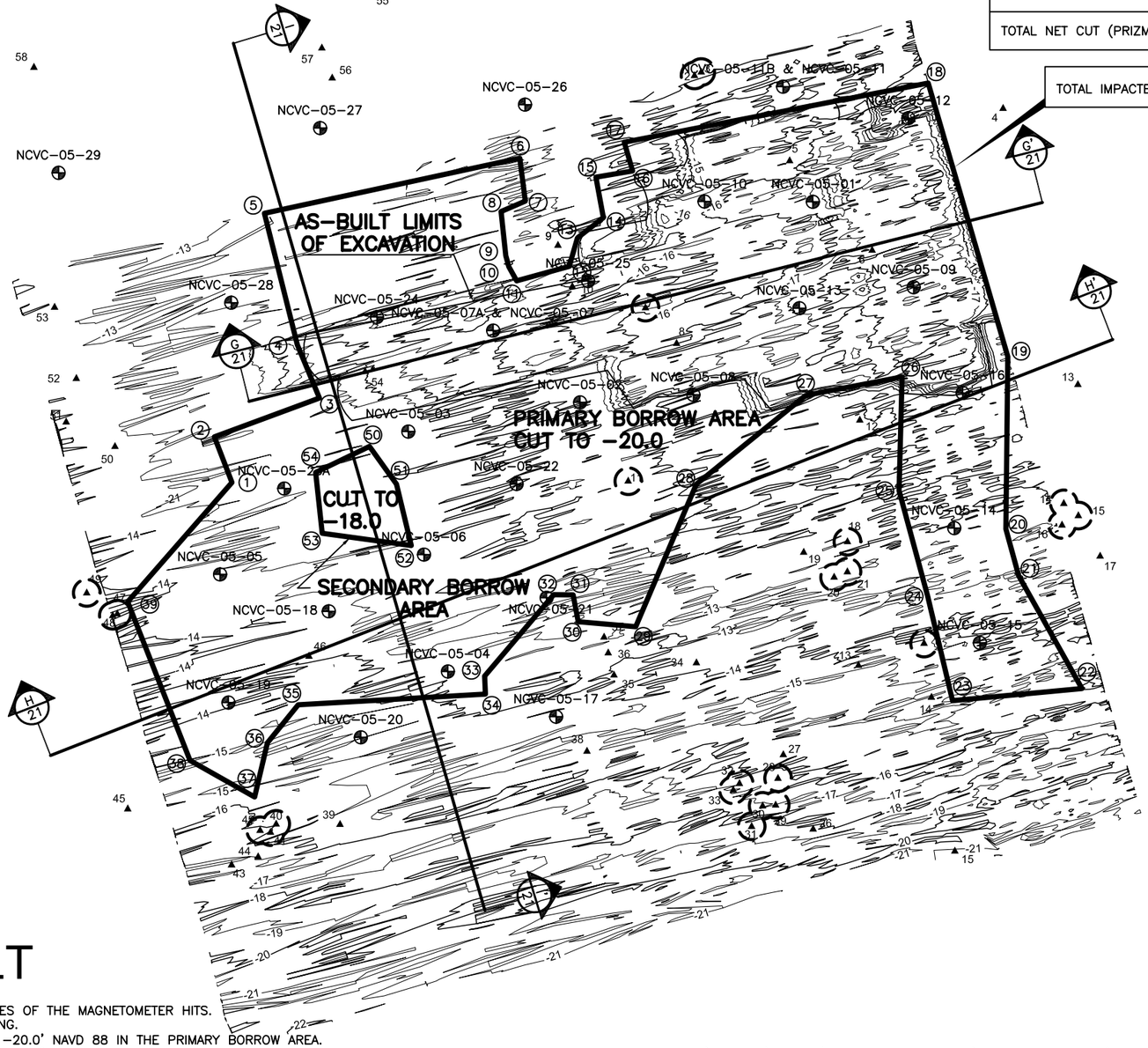
STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LE BAS, P.E.

WELL LOCATION COORDINATES

DATE: FEBRUARY 2006



AS-BUILT PRIZMOIDAL VOLUME CALCULATION

TOTAL NET CUT (PRIZMOIDAL VOL.)=729,517.64 C.Y.

TOTAL IMPACTED AREA: 159.5 ACRES

PRIMARY BORROW AREA COORDINATES

POINT	X NAD 83 FT	Y NAD 83 FT
1	3,510,280.67	198,366.01
2	3,510,148.93	198,708.29
3	3,510,936.83	198,998.67
4	3,510,770.80	199,398.22
5	3,510,524.13	200,382.91
6	3,512,437.95	200,795.76
7	3,512,479.98	200,474.30
8	3,512,297.96	200,396.32
9	3,512,332.65	200,066.07
10	3,512,356.54	199,982.31
11	3,512,414.83	199,876.84
12	3,512,808.55	199,985.23
13	3,512,870.20	200,198.44
14	3,513,064.64	200,350.64
15	3,513,008.55	200,653.68
16	3,513,283.55	200,700.09
17	3,513,.221.44	200,915.69
18	3,515,499.62	201,358.90
19	3,516,095.89	199,309.02
20	3,516,081.97	198,017.16
21	3,516,177.86	197,667.45
22	3,516,651.66	196,821.94
23	3,515,681.49	196,731.69
24	3,515,495.36	197,515.16
25	3,515,281.02	198,304.83
26	3,515,303.58	199,157.15
27	3,514,581.93	199,018.82
28	3,513,761.07	198,353.26
29	3,513,306.82	197,285.32
30	3,512,876.18	197,323.09
31	3,512,837.98	197,523.94
32	3,512,692.15	197,525.50
33	3,512,174.94	196,915.77
34	3,512,180.36	196,780.36
35	3,510,777.33	196,700.84
36	3,510,546.11	196,415.72
37	3,510,450.66	196,009.79
38	3,509,966.34	196,283.53
39	3,509,499.34	197,472.32

SECONDARY BORROW AREA COORDINATES

POINT	X NAD 83 FT.	Y NAD 83 FT.
50	3,511,311.79	198,636.52
51	3,511,513.86	198,354.17
52	3,511,624.63	197,894.01
53	3,510,957.43	197,985.62
54	3,510,908.36	198,441.07

LEGEND

▲56	UNIDENTIFIED MAGNETIC ANOMALY WITH REFERENCE NUMBER (3/23/05-3/25/05)
(7)	MAGNETIC ANOMALY AREA OF AVOIDANCE (100' BUFFER)
NCVC-05-03	VIBROCORE
(23)	VERTICE OF PRIMARY/SECONDARY BORROW AREA BOUNDARIES
—14—	CONTOURS OF ELEVATION OF GULF FLOOR

AS-BUILT

NOTES:
1. SEE SHEET 9 OF 21 FOR THE COORDINATES OF THE MAGNETOMETER HITS.
2. SEE SHEET 7 OF 21 FOR THE WELL LISTING.
3. THE CUTTER HEAD SHALL BE CARRIED AT -20.0' NAVD 88 IN THE PRIMARY BORROW AREA.
4. THE CUTTER HEAD SHALL BE CARRIED AT -18.0' NAVD 88 IN THE SECONDARY BORROW AREA.
5. ALL COORDINATES SHOWN REFERENCE THE NORTH AMERICAN DATUM OF 1983 (NAD 83) LOUISIANA SOUTH ZONE U. S. SURVEY FEET.
6. THE PRIMARY BORROW AREA CONTAINS APPROXIMATELY 4,297,810 CU. YDS OF MATERIAL.
7. THE SECONDARY BORROW AREA CONTAINS APPROXIMATELY 51,217 CU. YDS. OF MATERIAL.
8. RESULTS OF BORROW AREA SURVEY AND GEOPHYSICAL INVESTIGATIONS ARE FROM THE AUGUST 2005 CPE REPORT BY FINKL, BENEDET AND CAMPBELL FOR TE-37.
9. ALL MARINE VESSELS SHALL FOLLOW THE INLAND NAVIGATIONAL RULES and AIDS TO NAVIGATION RULES WHICH ARE CONTAINED IN THE FOLLOWING FEDERAL LAWS OR REGULATION: INTERNATIONAL RULES ACT OF 1977 (PUBLIC LAW 95-75, 91 STAT. 308, U.S.C. 1601-1608), AND THE INLAND NAVIGATIONAL RULES ACT OF 1980 (PUBLIC LAW 96-591, 94 STAT. 3415, 33 U.S.C. 2001-2038).
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING, DESIGN, CONSTRUCTION AND MAINTENANCE OF ALL TEMPORARY SIGNS AND LIGHTING FOR THE PROJECT TO MEET THE REQUIREMENT OF NOTE 9 ON THIS SHEET.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY:RICKEY BROUILLETTE, P.E | APPROVED BY: LUKE LE BAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: TE-37

BORROW AREA LAYOUT

DATE: FEBRUARY 2006

New Cut Borrow Area Unidentified Magnetic Anomaly Table						
Ref Number	Amplitude	Signature Type	Signature Duration	Description	X Coordinate	Y Coordinate
1	8	Monopolar	62	Single Object/Debris	3515469.6	202674.6
2	20	Dipolar	98	Potentially Significant	3513749.8	201412.8
3	33	Dipolar	76	Potentially Significant	3513800	201432.9
4	7	Monopolar	113	Single Object/Debris	3516058.4	201165.3
5	8	Monopolar	34	Single Object/Debris	3514466.7	200770.4
6	13	Monopolar	62	Single Object/Debris	3515084.4	200106.4
7	3	Complex	199	Potentially Significant	3513378.9	199675.8
8	19	Monopolar	71	Single Object/Debris	3513614.3	199407
9	11	Monopolar	36	Single Object/Debris	3512731	200136.4
10	17	Dipolar	61	Single Object/Debris	3512835	199837.9
11	71	Dipolar	197	Potentially Significant	3513248.8	198372.7
12	22	Dipolar	81	Single Object/Debris	3514983	198831.8
13	5	Dipolar	47	Single Object/Debris	3516628.6	199102.2
14	16	Complex	213	Potentially Significant	3516520.4	198206
15	10	Partial Signature	42	Potentially Significant	3516635.1	198117.7
16	6	Monopolar	119	Potentially Significant	3516509.8	198044.7
17	14	Monopolar	120	Single Object/Debris	3516790.4	197813.6
18	54	Dipolar	187	Potentially Significant	3514896.1	197919.9
19	11	Dipolar	86	Single Object/Debris	3514571.8	197842.7
20	42	Complex	153	Potentially Significant	3514795.9	197655.1
21	95	Dipolar	141	Potentially Significant	3514898.6	197696
22	49	Dipolar	101	Potentially Significant	3515472.4	197159.7
23	8	Monopolar	82	Single Object/Debris	3514987.2	196998.7
24	8	Monopolar	53	Single Object/Debris	3515525.9	196756.6
25	10	Dipolar	86	Single Object/Debris	3515706	195600.8
26	6	Monopolar	45	Single Object/Debris	3514636.4	195771.7
27	6	Monopolar	59	Single Object/Debris	3514415	196325.5
28	43	Complex	175	Potentially Significant	3514381	196150.8
29	76	Monopolar	221	Potentially Significant	3514360.9	195946.9
30	129	Dipolar	390	Potentially Significant	3514265.5	195947.7
31	53	Monopolar	318	Potentially Significant	3514181.6	195790.3
32	185	Dipolar	290	Potentially Significant	3514087.7	196112.5
33	44	Dipolar	514	Potentially Significant	3514039.1	196061.8
34	7	Monopolar	59	Single Object/Debris	3513765.3	197016.6
35	5	Monopolar	58	Single Object/Debris	3513147.6	196932.3
36	5	Monopolar	47	Single Object/Debris	3513103	197084.3
37	5	Monopolar	66	Single Object/Debris	3513069.3	197198.7
38	6	Monopolar	107	Single Object/Debris	3512945.1	196352.3
39	7	Monopolar	69	Single Object/Debris	3511093.1	195802
40	5	Monopolar	95	Potentially Significant	3510613.2	195804.5

New Cut Borrow Area Unidentified Magnetic Anomaly Table						
Ref Number	Amplitude	Signature Type	Signature Duration	Description	X Coordinate	Y Coordinate
41	102	Dipolar	171	Potentially Significant	3510571.5	195747.9
42	62	Monopolar	183	Potentially Significant	3510504.2	195760
43	22	Monopolar	81	Single Object/Debris	3510280.2	195501.4
44	5	Monopolar	84	Single Object/Debris	3510474	195562.9
45	8	Monopolar	86	Single Object/Debris	3509507.1	159521.1
46	20	Monopolar	61	Single Object/Debris	3510860.4	197062.5
47	6	Monopolar	109	Potentially Significant	3509425.6	197377.5
48	84	Monopolar	178	Potentially Significant	3509390.2	197364
49	62	Dipolar	240	Potentially Significant	3509190.4	197531.9
50	8	Monopolar	59	Single Object/Debris	3509401	198633.2
51	1,237	Dipolar	353	Debris/Well Head	3509040.2	198819.4
52	94	Dipolar	603	Debris/Well Head	3509110.4	199138.4
53	7	Monopolar	75	Single Object/Debris	3508961.9	199667.9
54	25	Monopolar	77	Single Object/Debris	3511284.5	199195.7
55	9	Dipolar	52	Single Object/Debris	3511516.1	202045.3
56	12	Monopolar	83	Single Object/Debris	3511035.2	201396.6
57	5	Monopolar	48	Single Object/Debris	3510962.1	201619
58	19	Dipolar	94	Single Object/Debris	3508799.3	201468.7
59	9	Dipolar	52	Single Object/Debris	3508218.1	201020.2
60	101	Monopolar	123	Out of Area	3506922.5	201493.9
61	1,650	Dipolar	199	Out of Area	3506829.4	201358.2

AS-BUILT

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY:RICKEY BROUILLETTE, P.E. | APPROVED BY: LUKE LE BAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: N/A

MAGNETIC ANOMALY TABLE

DATE: FEBRUARY 2006

SHEET 9 OF 21

LAKE PELTO

N

EAST ISLAND

TRINITY ISLAND

GULF OF MEXICO

AS-BUILT SAND FENCE
(SEE DETAILS, SHEET 11)

AS-BUILT COORDINATES		
SOUTHERN SAND FENCE (GULF SIDE)		
PT. NO.	NORTHING	EASTING
1	202803.22	3482779.36
2	202817.99	3482953.62
3	202820.49	3482945.54
4	202870.20	3483386.95
5	202890.40	3483440.66
6	202881.81	3483435.46
7	203054.82	3483901.35
8	203057.21	3483892.67
9	203230.04	3484358.02
10	203225.31	3484353.98
11	203397.95	3484820.19
12	203398.46	3484811.46
13	203571.28	3485278.66
14	203565.78	3485272.07
15	203736.88	3485739.54
16	203740.23	3485729.70
17	203826.26	3485992.73
18	203882.82	3486208.49
19	203874.57	3486200.54
20	203999.30	3486682.88
21	204000.13	3486674.26
22	204049.25	3486870.09
23	204104.00	3487159.93
24	204100.17	3487152.07
25	204193.62	3487642.58
26	204192.83	3487619.72
27	204286.49	3488109.73
28	204279.63	3488102.26
29	204372.87	3488590.78
30	204375.98	3488573.99
31	204467.90	3489065.52
32	204463.57	3489056.72
33	204536.89	3489550.26
34	204538.76	3489542.21
35	204597.69	3490036.96
36	204593.95	3490028.96
37	204631.42	3490520.50
38	204626.99	3490512.42
39	204635.26	3490613.56

LEGEND

- BAY BERM
- DUNE PLATFORM
- GULF BERM
- MARSH CREATION
- GULF SLOPE
- EXISTING MARSH (NO FILL)
- SAND FENCE

AS-BUILT

600' 300' 0' 600' 1200'

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST
DESIGNED BY: RICKEY BROUILLETTE, P.E.

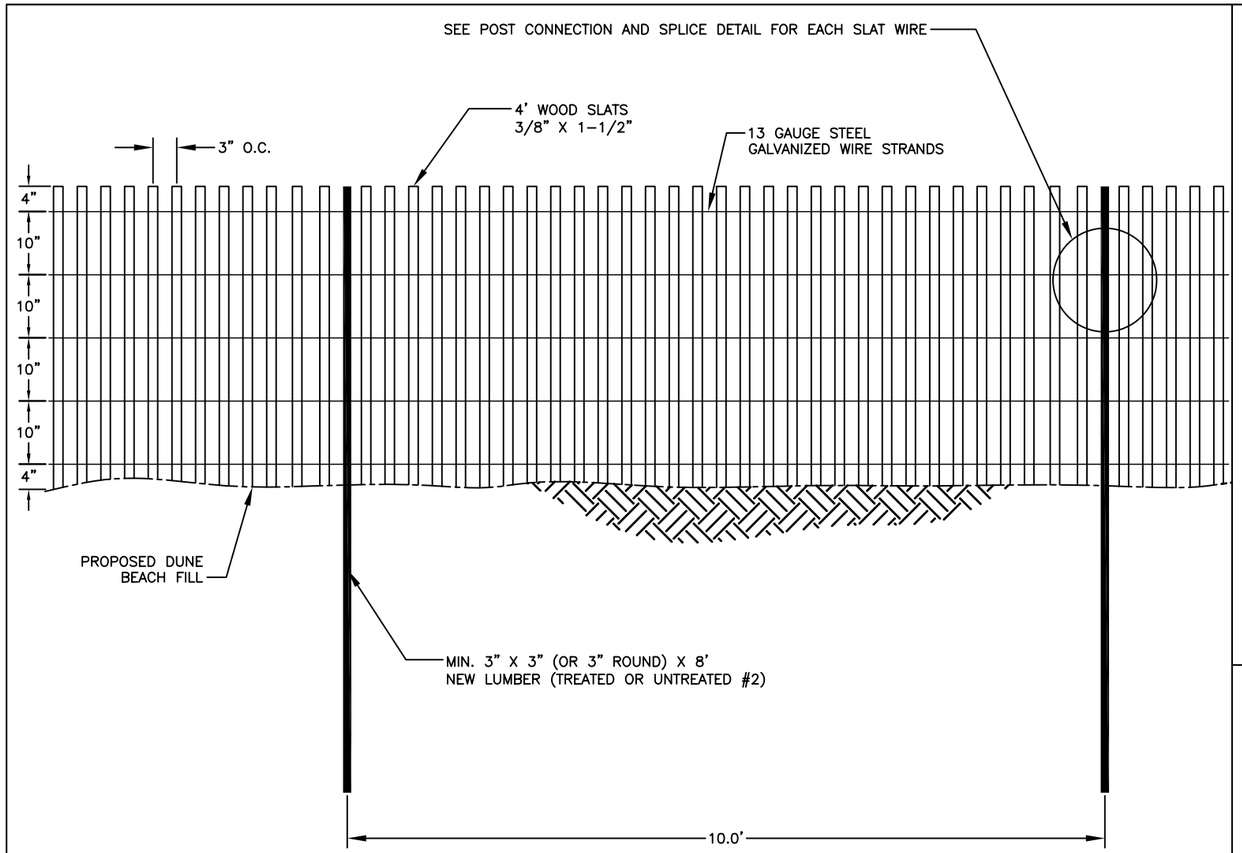
NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LE BAS, P.E.

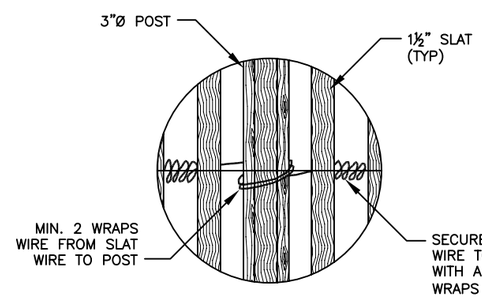
SAND FENCE LAYOUT

DATE: FEBRUARY 2006
SHEET 10 OF 21



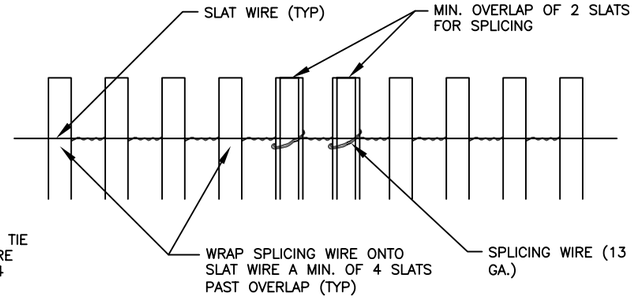
FENCING DIMENSIONS

2' 1' 0' 2' 4'



POST CONNECTION

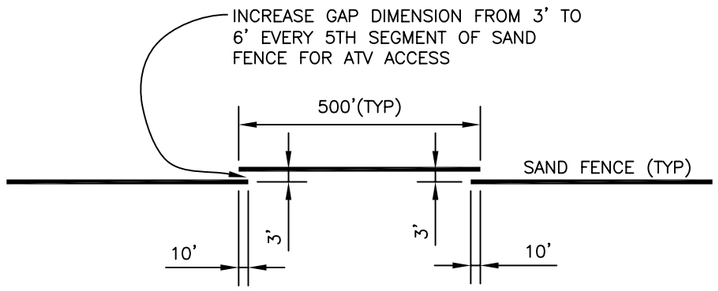
N.T.S.



SPLICE DETAIL

N.T.S.

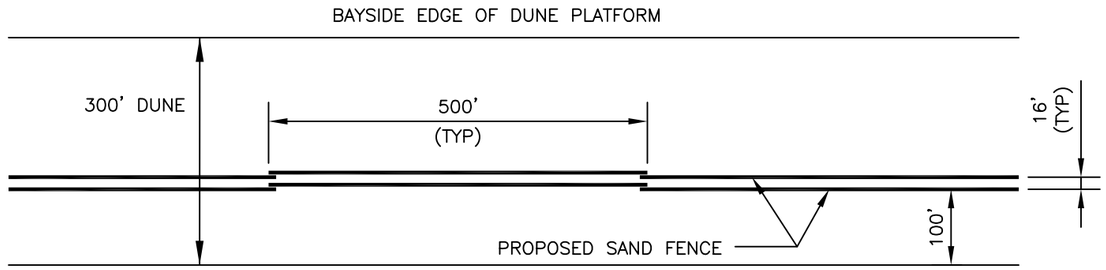
10' 5' 0' 10' 20'



AS-BUILT

GAPPING DIMENSIONS

N.T.S.



SAND FENCE LAYOUT

200' 100' 0' 200' 400'

NOTES:
1. ACTUAL PLACEMENT OF SAND FENCING MAY BE ADJUSTED BY THE ENGINEER TO ACCOMODATE THE EXISTING CONDITIONS UPON INITIATING CONSTRUCTION OF THE FENCE.
2. THE DISTANCE FROM THE SAND FENCE TO THE EDGE OF DUNE PLATFORM ON THE GULF SIDE IS 100'.

REV.	DATE	DESCRIPTION	BY
1	3/28/07	FIELD CHANGE NO. 2	SJT

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY: RICKEY BROUILLETTE, P.E. | APPROVED BY: LUKE LE BAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

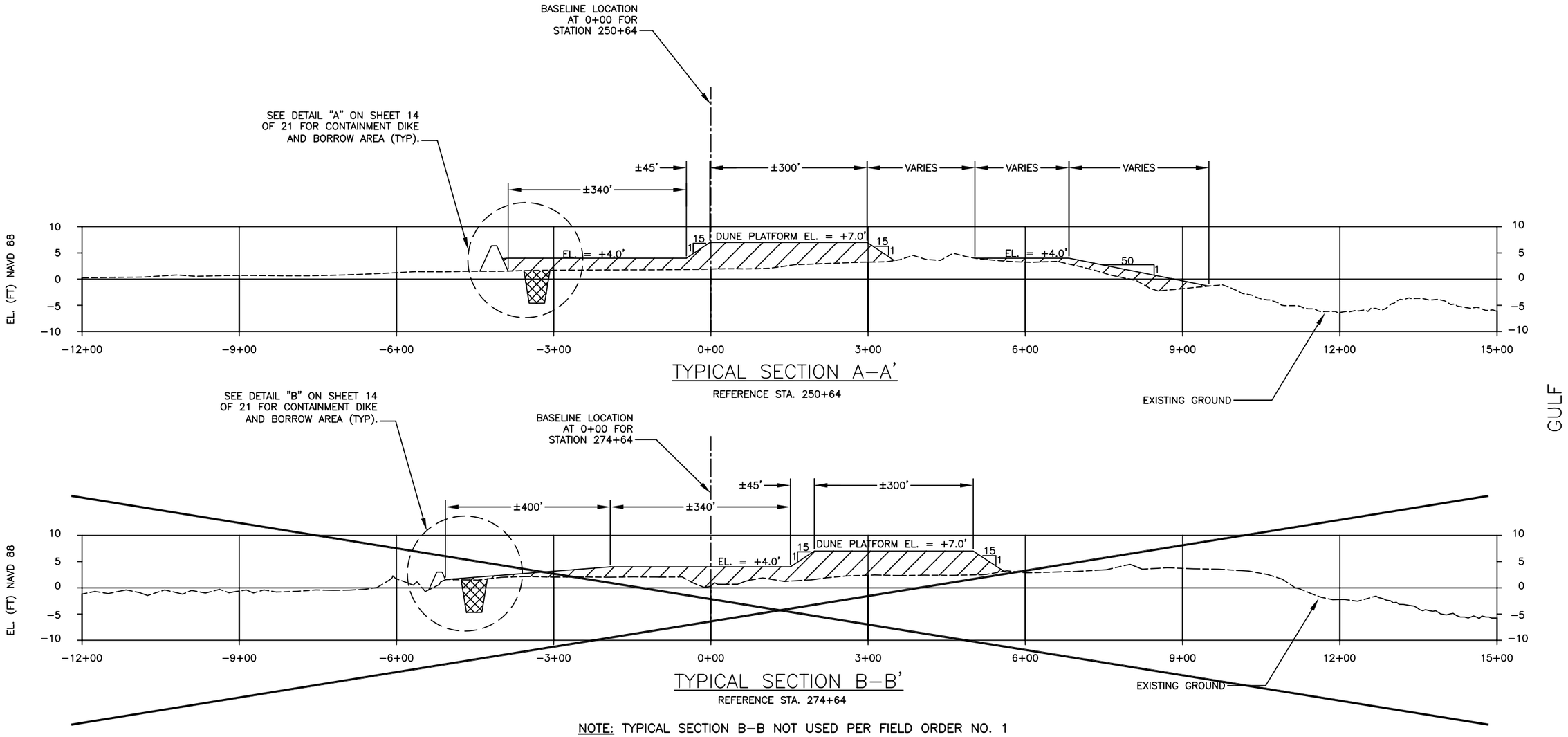
STATE PROJECT NUMBER: T3-37

FEDERAL PROJECT NUMBER: TE-37

SAND FENCE DETAILS

DATE: FEBRUARY 2006

SHEET 11 OF 21



TYPICAL SECTION A–A'

REFERENCE STA. 250+64

TYPICAL SECTION B–B'

REFERENCE STA. 274+64

NOTE: TYPICAL SECTION B–B NOT USED PER FIELD ORDER NO. 1

AS-BUILT

HORIZONTAL GRAPHIC SCALE

200' 150' 0 200' 400'

VERTICAL GRAPHIC SCALE

20' 10' 0 20' 40'

LEGEND

- FILL
- CONTAINMENT BORROW SOURCE
- EXISTING GROUND
- DESIGN TEMPLATE

NOTE:
TYPICAL SECTIONS A–A' AND B–B' ARE BASED ON REFERENCE SURVEYS IN M.P. HEBERT SURVEY REPORT DATED AUGUST 2005. ACTUAL CONDITIONS MAY VARY.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY:RICKEY BROUILLETTE, P. E. | APPROVED BY: LUKE LE BAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: TE-37

TYPICAL CROSS SECTIONS

DATE: FEBRUARY 2006

SHEET 12 OF 21

LEGEND

- BAY BERM
- DUNE PLATFORM
- GULF BERM
- MARSH NOURISHMENT
- EXISTING MARSH (NO FILL)

BASELINE COORDINATES

POINTS	X	Y
1	3499646.32	206295.55
2	3501505.32	207155.55
3	3502419.32	207952.55
4	3502568.32	208842.55
5	3500102.32	207217.55
6	3501359.32	208092.55
7	3501672.93	207732.91

LAKE PELTO

STONE ENGERY PLATFORM

NEW FOOTPRINT FOR DUNE/BERM NOURISHMENT

MARSH NOURISHMENT

X = 3,499,713.10
Y = 207,175.32

X = 3,499,643.10
Y = 207,175.32

PRIMARY ACCESS CHANNEL

X = 3,499,713.10
Y = 206,653.12

X = 3,499,643.10
Y = 206,561.27

NO DREDGE

APPROXIMATE END OF ISLAND

GULF OF MEXICO

AS-BUILT

NOTES: ADDITIVE ALTERNATE NOT CONSTRUCTED

300' 150' 0' 300' 600'

NOTES:
1. SEE SHEET 14 FOR ACCESS CHANNEL TYPCIAL SECTION C–C'. FILL IN CHANNEL PRIOR TO DEMOBILIZATION.
2. SEE SHEET 14 FOR TYPICAL SECTIONS D–D', E–E' AND F–F'.
3. CONTRACTOR SHALL NOT TRAVEL AND/OR STORE EQUIPMENT/MATERIALS ON EXISTING VEGETATION DUNES UNLESS AUTHORIZED BY THE ENGINEER.

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

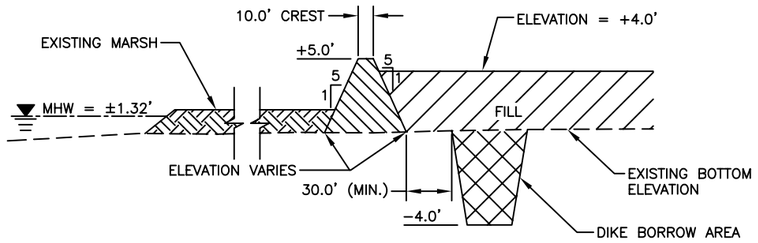
DRAWN BY: SHANE FAUST
DESIGNED BY: RICKEY BROUILLETTE, P. E.
APPROVED BY: LUKE LE BAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-37

BREACH FILL LOCATION (ADDITIVE ALTERNATE)

DATE: FEBRUARY 2006
SHEET 13 OF 21



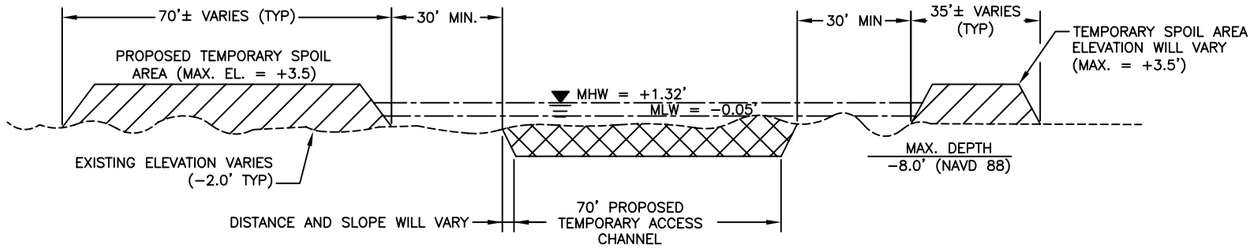
DETAIL "A"

NEW CUT–LAKE PELTO SIDE
CONTAINMENT DIKE–NO MARSH AREA
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'
(SEE SHEET 12)

DETAIL "B"

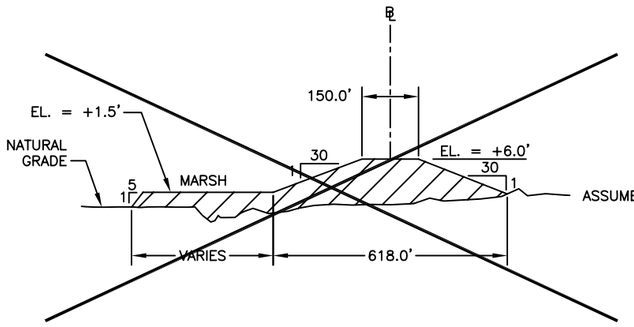
NEW CUT–LAKE PELTO SIDE
CONTAINMENT DIKE–MARSH FILL AREA
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'
(SEE SHEET 12)

NOTE: DETAIL "B" NOT USED PER FIELD ORDER NO. 1



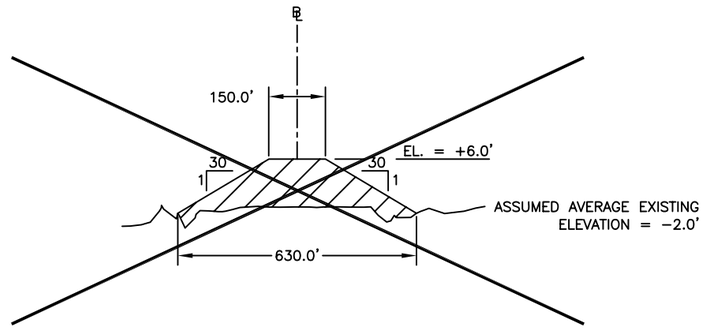
CROSS SECTION C–C'

PRIMARY ACCESS CHANNEL LOOKING SOUTH
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 20'
(SEE SHEETS 4 AND 13)



CROSS SECTION D–D'

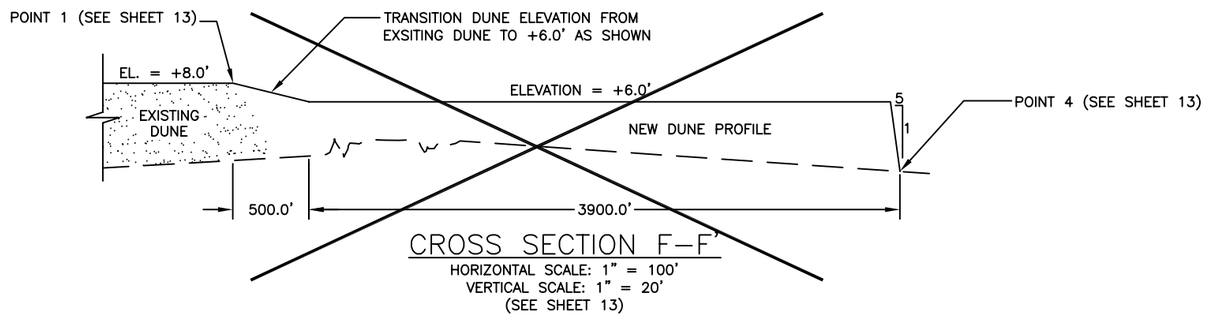
HORIZONTAL SCALE: 1" = 400'
VERTICAL SCALE: 1" = 20'
(SEE SHEET 13)



CROSS SECTION E–E'

HORIZONTAL SCALE: 1" = 400'
VERTICAL SCALE: 1" = 20'
(SEE SHEET 13)

NOTE: ADDITIVE ALTERNATE NOT CONSTRUCTED



CROSS SECTION F–F'

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 20'
(SEE SHEET 13)

NOTE: ADDITIVE ALTERNATE NOT CONSTRUCTED

AS-BUILT

NOTES:
1. CONTAINMENT DIKE TO BE DEGRADED TO MATCH MARSH ELEVATION AND BAY BERM ELEVATION PRIOR TO DEMOBILIZATION.
2. THE CONTAINMENT DIKE SHALL SPREAD OVER THE MARSH FILL OR BAT BERM SUCH THAT THE MAXIMUM THICKNESS OF DEGRADED DIKE MATERIAL SHALL NOT EXCEED 6".

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST | DESIGNED BY: RICKEY BROUILLETTE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

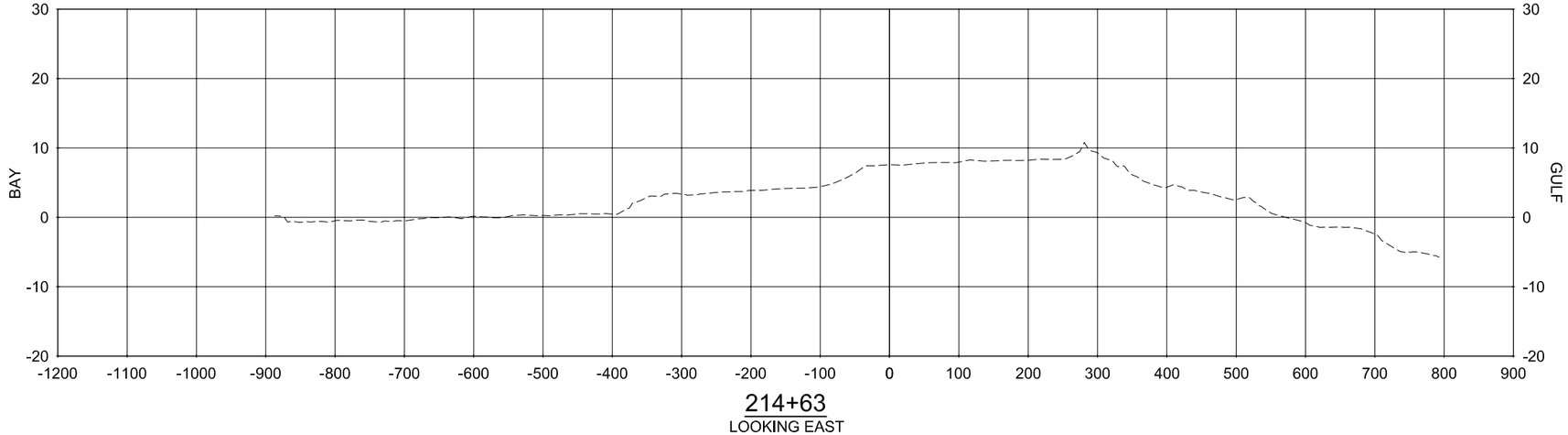
FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LE BAS, P.E.

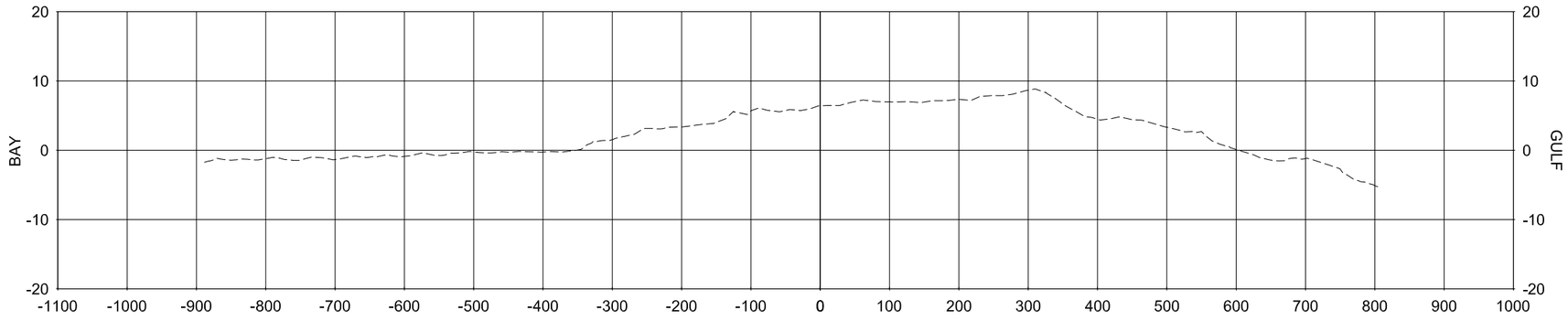
DETAILS

DATE: FEBRUARY 2006

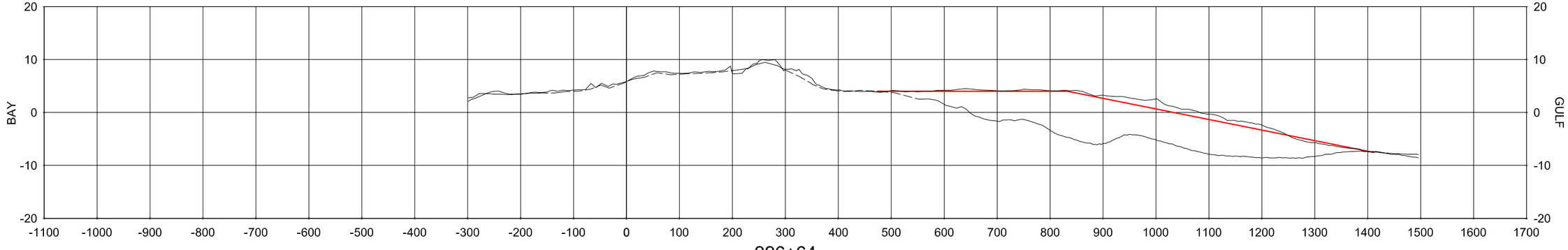
SHEET 14 OF 21



214+63
LOOKING EAST



220+63
LOOKING EAST



226+64
LOOKING EAST

AS-BUILT

HORIZONTAL GRAPHIC SCALE
200' 100' 0 200' 400'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

LEGEND

- EXISTING GROUND
- AS-BUILT DUNE
- PROPOSED TEMPLATE

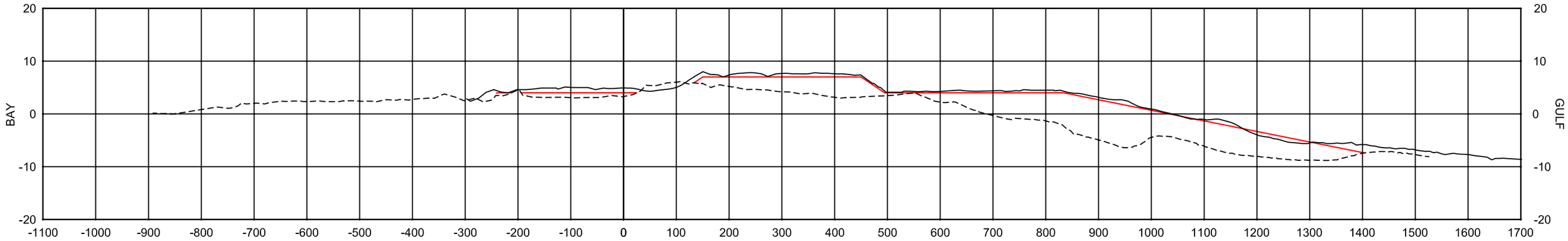
REV.	DATE	DESCRIPTION	BY
1	2/1/07	REVISED EXISTING GROUND	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

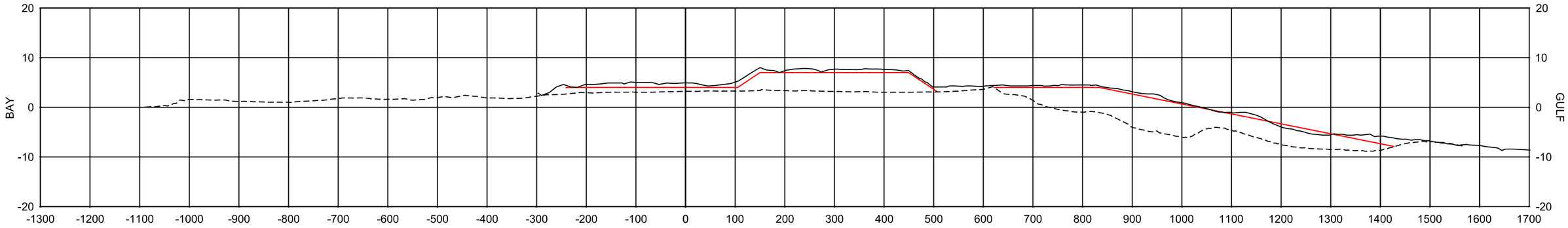
DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.
APPROVED BY: LUKE LEBAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT
STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-37

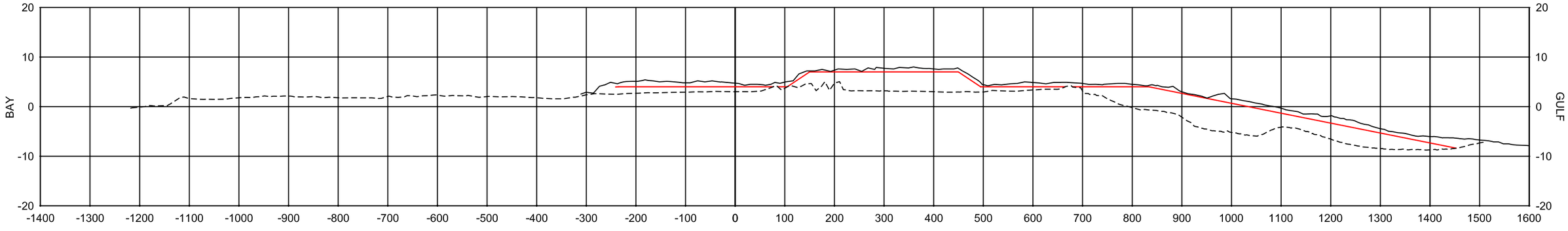
AS-BUILT CROSS SECTIONS
DATE: FEBRUARY 2006
SHEET 15 OF 21



232+64
LOOKING EAST



238+64
LOOKING EAST



244+64
LOOKING EAST

AS-BUILT

HORIZONTAL GRAPHIC SCALE
200' 100' 0 200' 400'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

LEGEND

- EXISTING GROUND
- AS-BUILT DUNE
- PROPOSED TEMPLATE

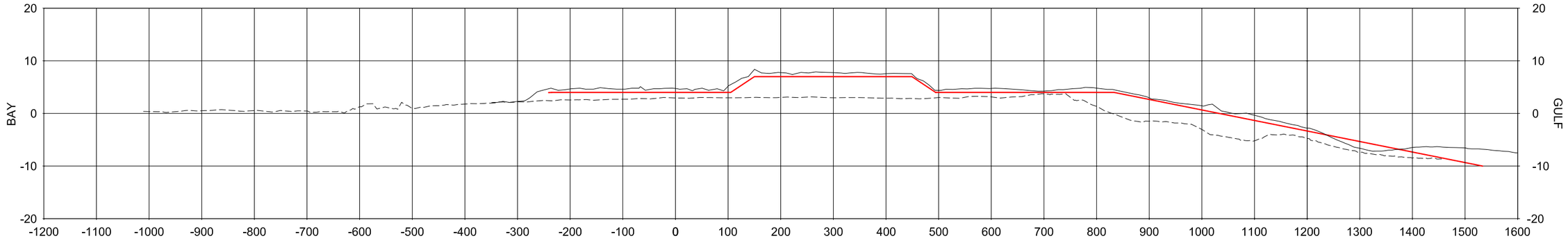
REV.	DATE	DESCRIPTION	BY
1	2/1/07	REVISED EXISTING GROUND	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

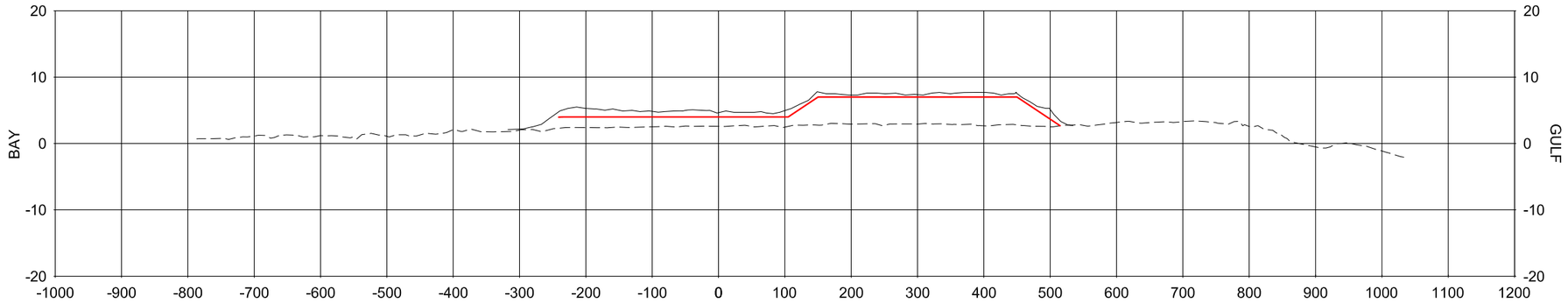
DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.
APPROVED BY: LUKE LEBAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT
STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-37

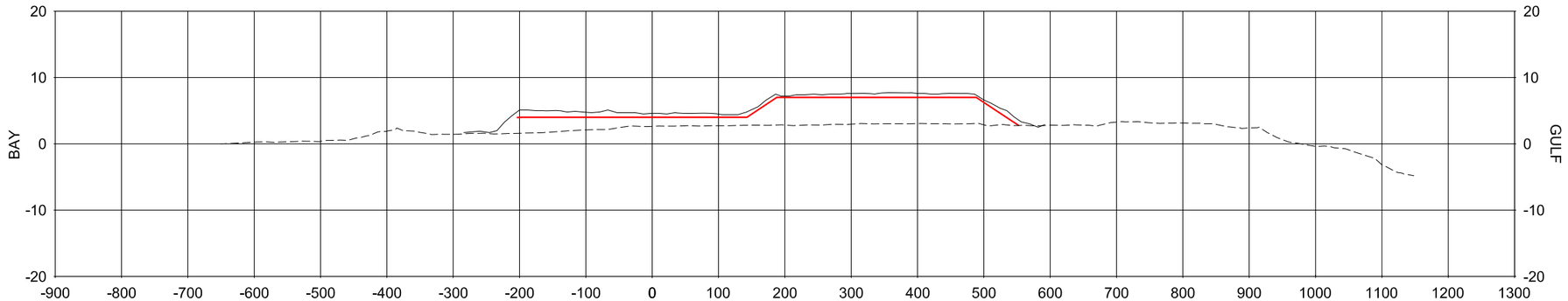
AS-BUILT CROSS SECTIONS
DATE: FEBRUARY 2006
SHEET 16 OF 21



250+64
LOOKING EAST



256+64
LOOKING EAST



262+64
LOOKING EAST

AS-BUILT

HORIZONTAL GRAPHIC SCALE
200' 100' 0 200' 400'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

LEGEND

- EXISTING GROUND
- AS-BUILT DUNE
- PROPOSED TEMPLATE

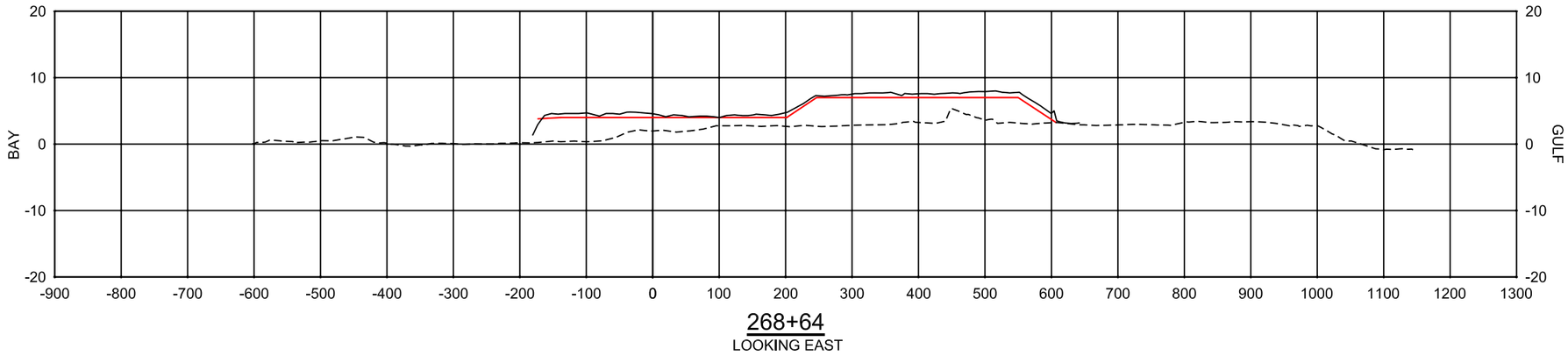
REV.	DATE	DESCRIPTION	BY
1	2/1/07	REVISED EXISTING GROUND	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

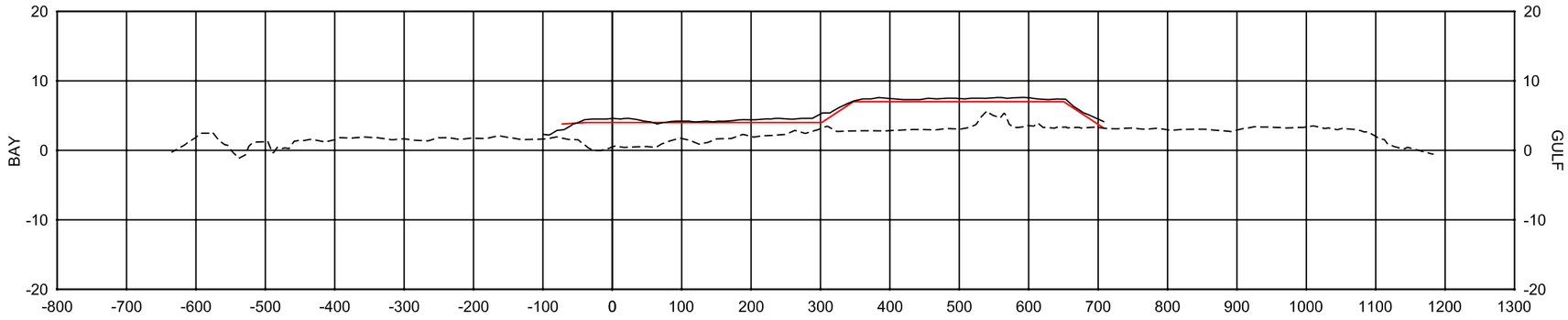
DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.
APPROVED BY: LUKE LEBAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT
STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-37

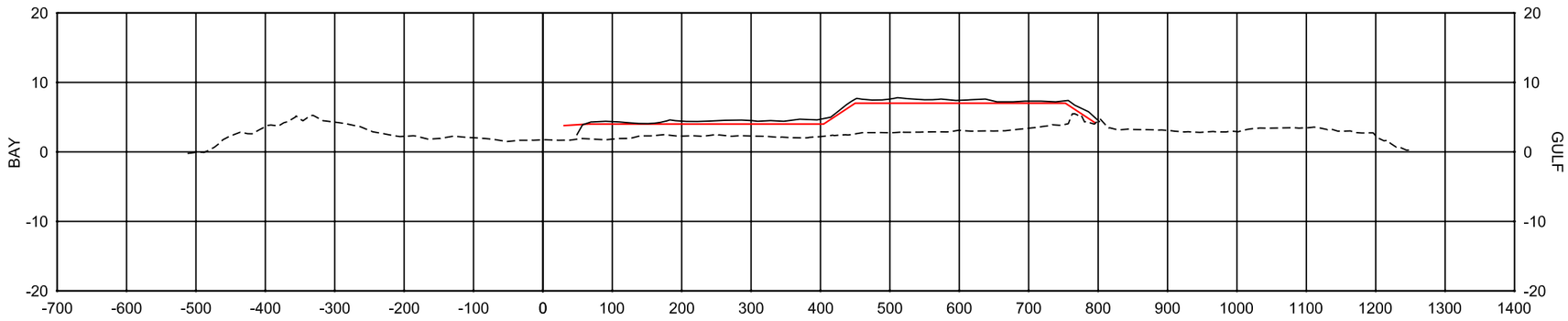
AS-BUILT CROSS SECTIONS
DATE: DECEMBER 2005
SHEET 17 OF 21



268+64
LOOKING EAST



274+64
LOOKING EAST



280+64
LOOKING EAST

AS-BUILT

HORIZONTAL GRAPHIC SCALE
200' 100' 0 200' 400'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

LEGEND

- EXISTING GROUND
- AS-BUILT DUNE
- PROPOSED TEMPLATE

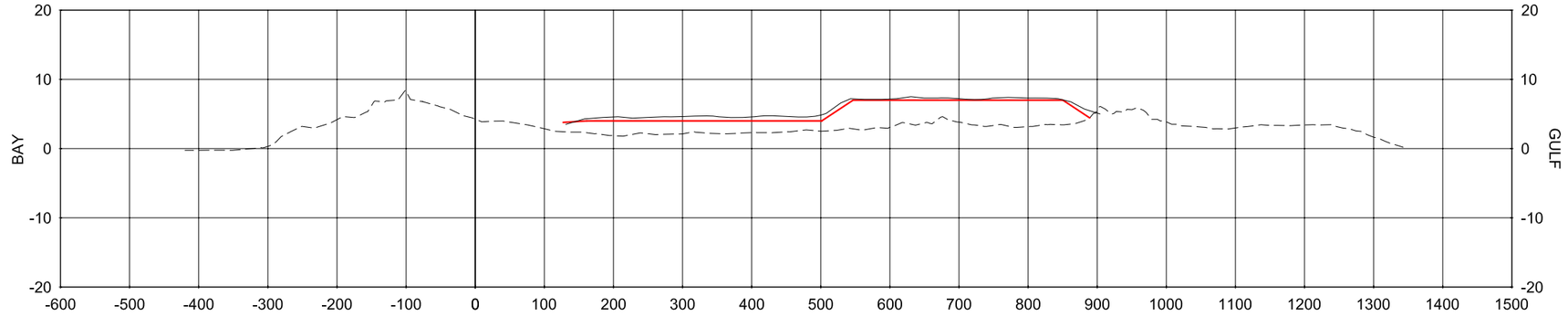
REV.	DATE	DESCRIPTION	BY
1	2/1/07	REVISED EXISTING GROUND	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

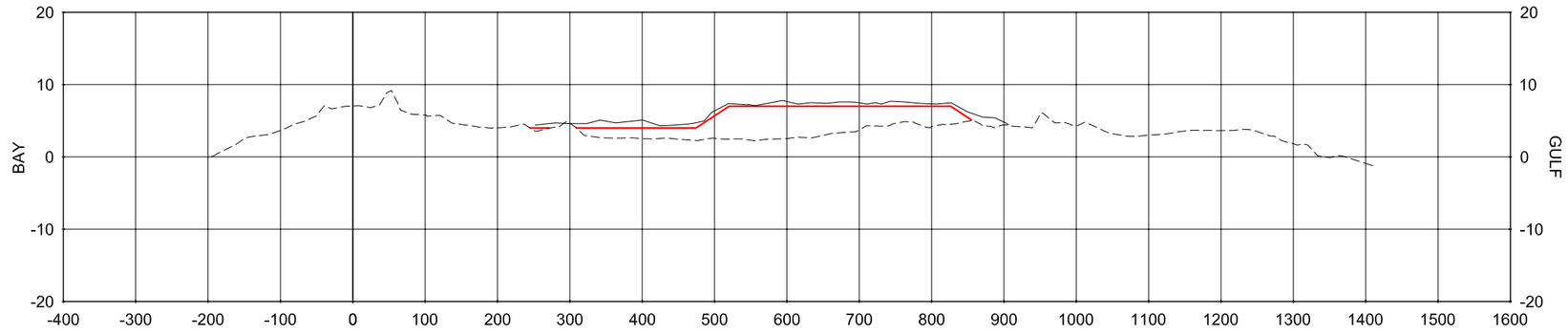
DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.
APPROVED BY: LUKE LEBAS, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT
STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-37

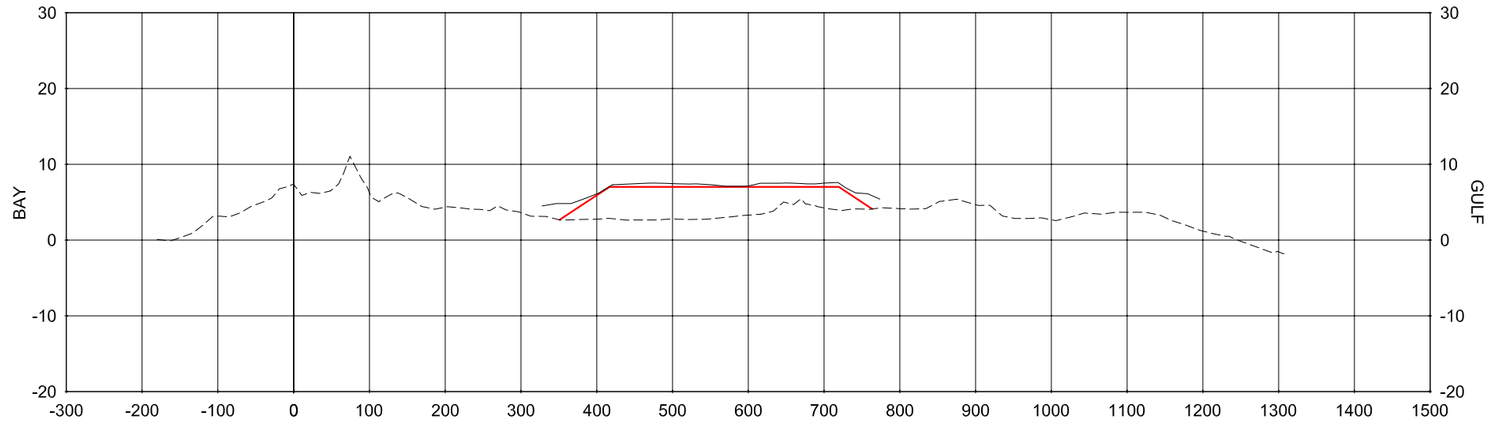
AS-BUILT CROSS SECTIONS
DATE: DECEMBER 2005
SHEET 18 OF 21



286+64
LOOKING EAST



292+76
LOOKING EAST



299+65
LOOKING EAST

AS-BUILT

HORIZONTAL GRAPHIC SCALE
200' 100' 0 200' 400'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

LEGEND

- EXISTING GROUND
- AS-BUILT DUNE
- PROPOSED TEMPLATE

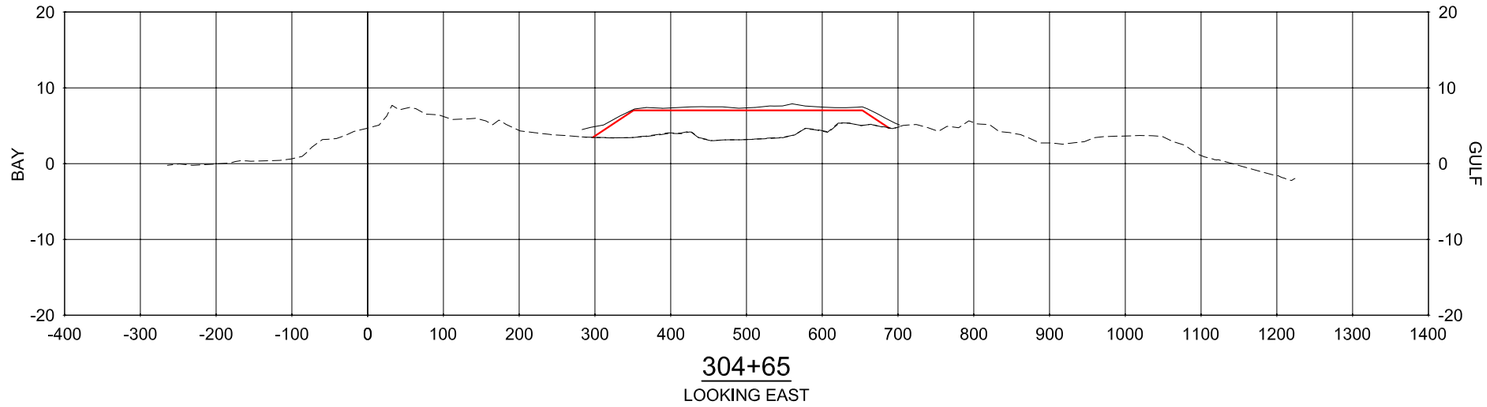
REV.	DATE	DESCRIPTION	BY
1	2/1/07	REVISED EXISTING GROUND	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU
DESIGNED BY: BEAU TATE, P.E.

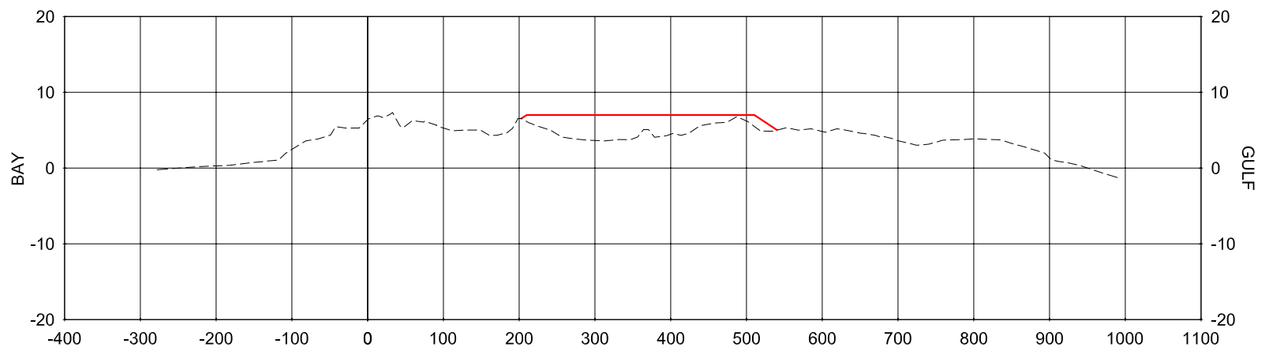
NEW CUT DUNE/MARSH RESTORATION PROJECT
STATE PROJECT NUMBER: TE-37
FEDERAL PROJECT NUMBER: TE-37
APPROVED BY: LUKE LEBAS, P.E.

AS-BUILT CROSS SECTIONS
DATE: FEBRUARY 2006
SHEET 19 OF 21



304+65

LOOKING EAST



309+65

LOOKING EAST

AS-BUILT

HORIZONTAL GRAPHIC SCALE

200' 100' 0 200' 400'

20' 10' 0 20' 40'

VERTICAL GRAPHIC SCALE

LEGEND

- EXISTING GROUND
- AS-BUILT DUNE
- PROPOSED TEMPLATE

REV.	DATE	DESCRIPTION	BY
1	2/1/07	REVISED EXISTING GROUND	KC

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: KRISTI CANTU

DESIGNED BY: BEAU TATE, P.E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

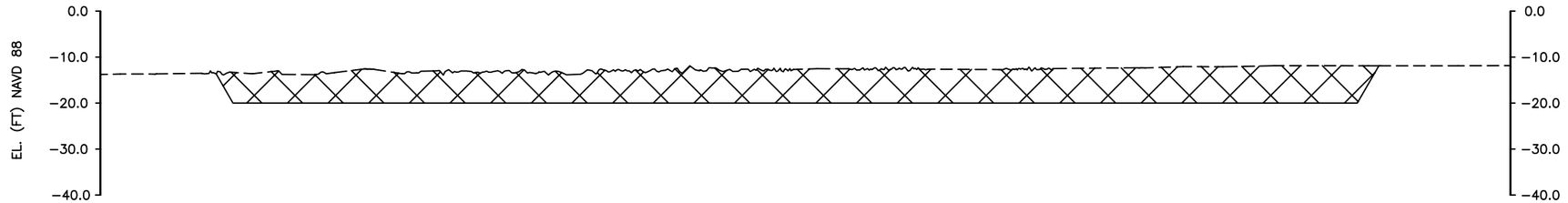
FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LEBAS, P.E.

AS-BUILT CROSS SECTIONS

DATE: FEBRUARY 2006

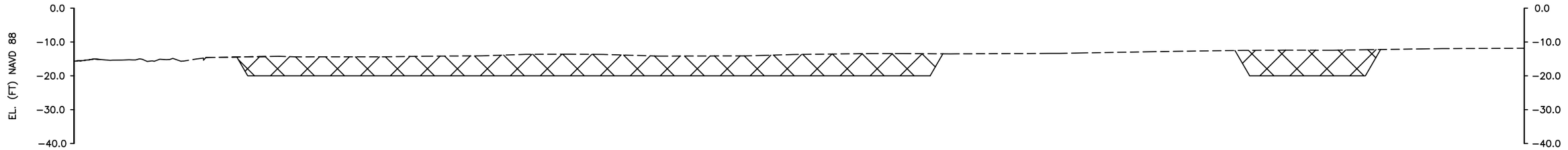
SHEET 20 OF 21



TYPICAL SECTION G–G'

LOOKING NORTHWARD

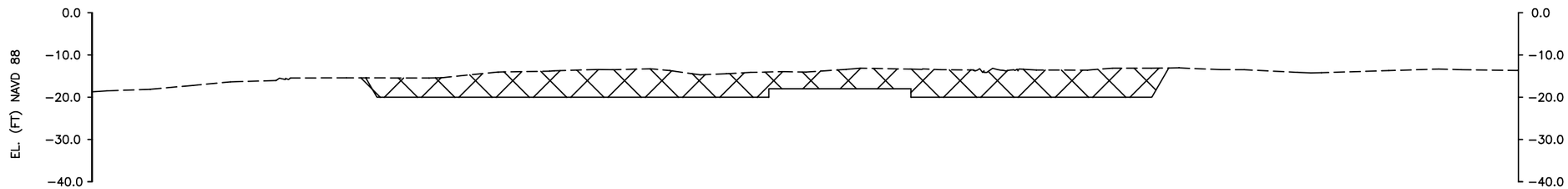
(SEE SHEET 8)



TYPICAL SECTION H–H'

LOOKING NORTHWARD

(SEE SHEET 8)



TYPICAL SECTION I–I'

LOOKING WESTWARD

(SEE SHEET 8)

LEGEND

FILL FROM BORROW SOURCE

EXISTING GROUND

AS–BUILT

HORIZONTAL GRAPHIC SCALE

600' 300' 0 600' 1200'

30' 15' 0 30' 60'

VERTICAL GRAPHIC SCALE

REV.	DATE	DESCRIPTION	BY

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: SHANE FAUST

DESIGNED BY:RICKEY BROUILLETTE, P. E.

NEW CUT DUNE/MARSH RESTORATION PROJECT

STATE PROJECT NUMBER: TE-37

FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LE BAS, P.E.

BORROW AREA SECTIONS

DATE: FEBRUARY 2006

SHEET 21 OF 21