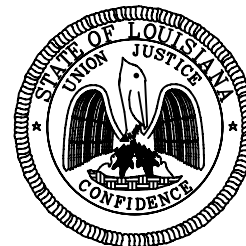
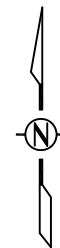
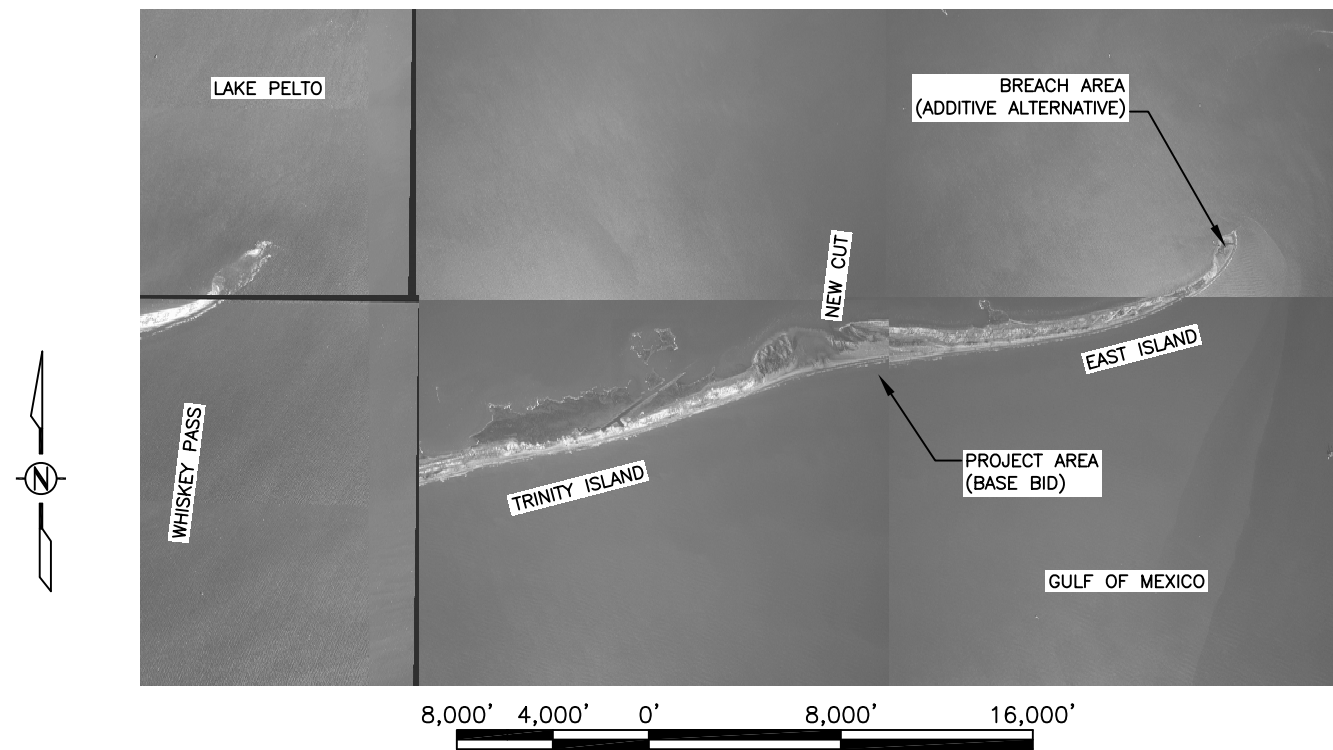
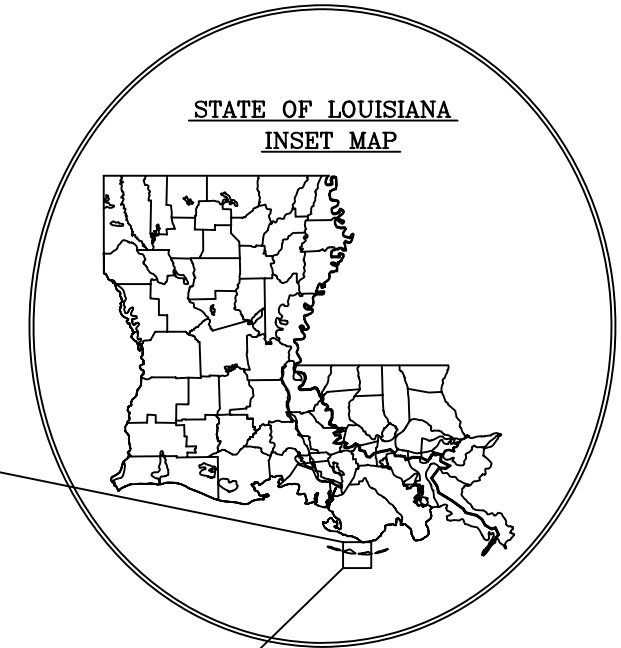


STATE OF LOUISIANA  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL ENGINEERING DIVISION

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
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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
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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



\_\_\_\_\_  
CED DIRECTOR

\_\_\_\_\_  
CED ENGINEER MANAGER

\_\_\_\_\_  
CED PROJECT ENGINEER

**AS-BUILT**

TYPE OF CONSTRUCTION

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

FEDERAL  
PROJECT  
SPONSOR

STATE  
PROJECT  
SPONSOR

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		NEW CUT DUNE/MARSH RESTORATION PROJECT		TITLE SHEET	
						STATE PROJECT NUMBER: TE-37			
						FEDERAL PROJECT NUMBER: TE-11A		DATE: FEBRUARY 2006	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RICKEY BROUILLETTE, P.E.		APPROVED BY: LUKE LE BAS, P.E.	
REV.	DATE	DESCRIPTION	BY					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 THROUGHOUT 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 INITIALLY 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 VICINITY 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 ADDITIVE ALTERNATE BASED ON AVAILABILITY 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

					LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802	NEW CUT DUNE/MARSH RESTORATION PROJECT	GENERAL NOTES
						STATE PROJECT NUMBER: TE-37	
						FEDERAL PROJECT NUMBER: TE-37	DATE: FEBRUARY 2006
REV.	DATE	DESCRIPTION	BY	DRAWN BY: SHANE FAUST	DESIGNED BY: RICKEY BROUILLETTE, P.E.	APPROVED BY: LUKE LE BAS, P.E.	SHEET 2 OF 21

**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.
208+64	4779			
212+64	5190	5282.00	600	3169.200000
216+64	5827	5922.00	600	3553.200000
220+64	6524	6572.50	600	3943.500000
224+64	7275	7305.50	600	4383.300000
228+64	8044	8055.50	600	4869.300000
232+64	8834	8872.50	600	5303.500000
236+64	9644	9695.50	600	5787.300000
240+64	10474	10522.50	600	6313.500000
244+64	11324	11365.00	600	6891.000000
248+64	12194	12222.50	600	7513.500000
252+64	13084	13095.00	600	8181.000000
256+64	14004	14082.50	600	8893.500000
260+64	14944	15085.00	600	9651.000000
264+64	15904	16102.50	600	10453.500000
268+64	16884	17135.00	600	11301.000000
272+64	17884	18182.50	600	12193.500000
276+64	18904	19245.00	600	13131.000000
280+64	19944	20322.50	600	14113.500000
284+64	21004	21415.00	600	15141.000000
288+64	22084	22522.50	600	16213.500000
292+76	23184	23645.00	132	3070.200000
<b>TOTAL FILL</b> <b>(C.Y.)</b>				<b>1001274.351982</b>

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

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

TRINITY ISLAND

LAKE PELTO

GULF OF MEXICO

EFFLUENT STRUCTURE (LOCATION TO BE FIELD LOCATED)

EFFLUENT STRUCTURE (LOCATION TO BE FIELD LOCATED)

LEGEND	
	BAY BERM
	DUNE PLATFORM
	GULF BERM
	GULF SLOPE
	OPEN WATER

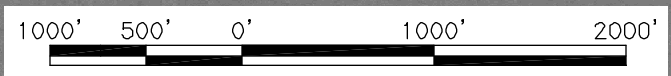
REV.	DATE	DESCRIPTION	BY
1	2/1/07	TEMPLATE MOVED 150' TOWARD GULF	KC
2	2/1/07	DELETED MARSH CREATION & EXISTING MARSH	KC
3	2/1/07	MOVED EFFLUENT STRUCTURES	KC
4	2/1/07	ADDED NOTE 8	KC
5	2/1/07	NEW MONUMENT	KC

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

NEW CUT DUNE/MARSH RESTORATION PROJECT	
STATE PROJECT NUMBER:	TE-57
FEDERAL PROJECT NUMBER:	TE-11A
APPROVED BY:	LUKE LE BAS, P.E.

PROJECT LAYOUT	
DATE:	FEBRUARY 2006
SHEET	3 OF 21

AS-BUILT





LAKE PELTO

X = 3,487,236.61 (NAD 83)  
Y = 206,693.36 (NAD83)

TEMPORARY PRIMARY ACCESS CHANNEL

X = 3,487,306.619 (NAD83)  
Y = 206,693.36 (NAD 83)



X = 3,487,236.61 (NAD 83)  
Y = 205,300.08 (NAD 83)

X = 3,487,306.61 (NAD 83)  
Y = 205,300.08 (NAD 83)

EFFLUENT STRUCTURE (LOCATION TO BE FIELD LOCATED)

NO DREDGING FOR PROJECT ACCESS CORRIDOR

EFFLUENT STRUCTURE (LOCATION TO BE FIELD LOCATED)

EAST ISLAND

8" GAS PIPELINE W/ 3'-6" COVER PER 1991 PIPELINE MAP FROM TEXAS GAS TRANSMISSION LLC.

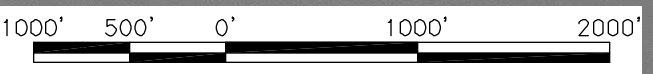
CALIFORNIA CANAL

TRINITY ISLAND

GULF OF MEXICO

AS-BUILT

**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.



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

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

CONSTRUCTION ACCESS  
 DATE: FEBRUARY 2006  
 SHEET 4 OF 21

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

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		STA. 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+64		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

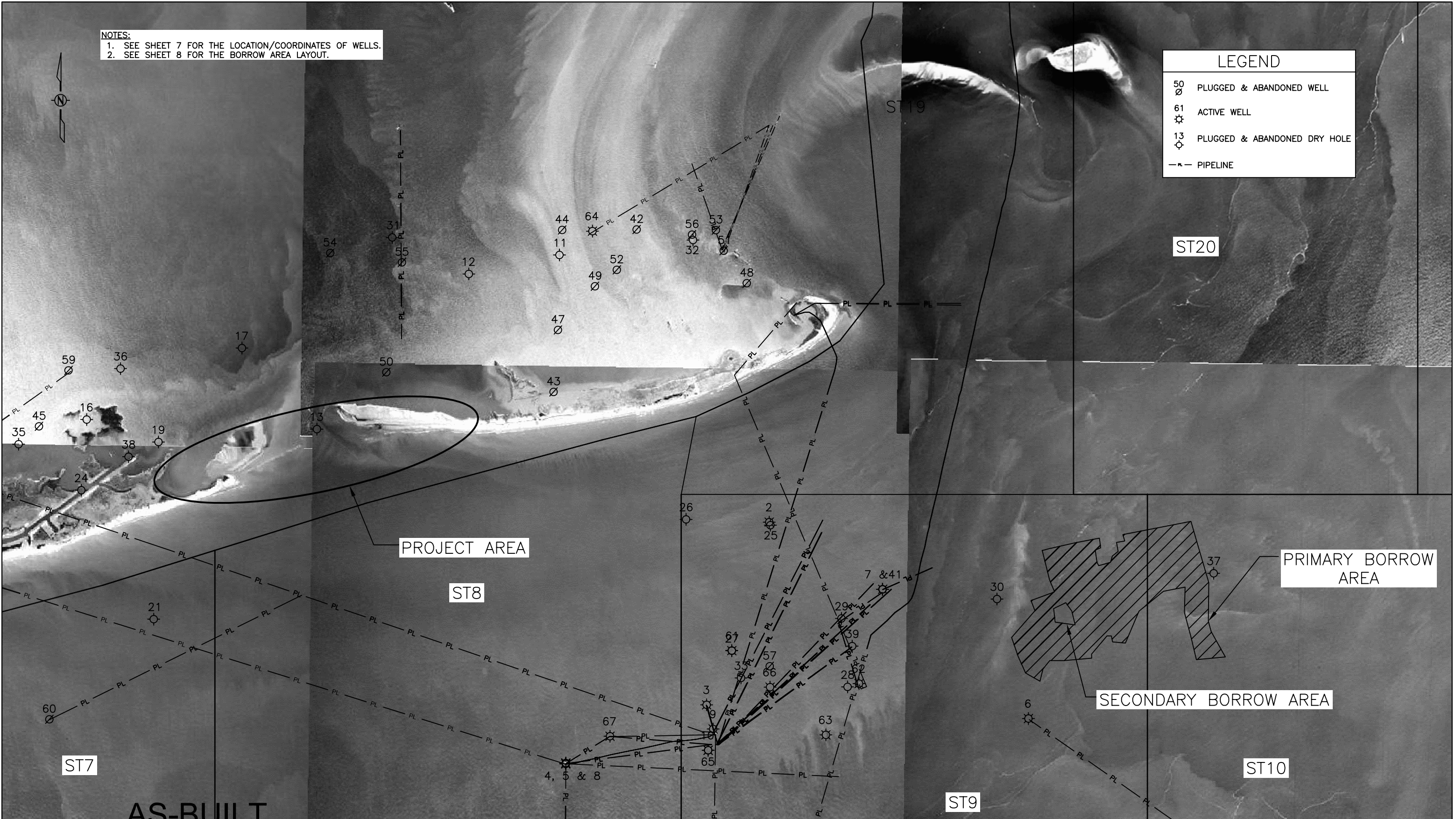
**NOTES:**

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.

1	2/1/07	DELETED ORIGINAL TABLE 2	KC	LOUISIANA DEPARTMENT OF NATURAL RESOURCES <b>COASTAL ENGINEERING DIVISION</b> 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802	NEW CUT DUNE/MARSH RESTORATION PROJECT STATE PROJECT NUMBER: TE-37 FEDERAL PROJECT NUMBER: TE-37	PROFILE LAYOUTS DATE: FEBRUARY 2006
2	2/1/07	REVISED TABLES 2, 3, 4, AND 5	KC			
REV.	DATE	DESCRIPTION	BY	DRAWN BY: SHANE FAUST	DESIGNED BY: RICKEY BROUILLETTE, P.E.	APPROVED BY: LUKE LE BAS, P.E.

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

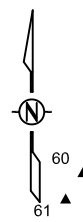
LEGEND	
50 Ø	PLUGGED & ABANDONED WELL
61 ⊙	ACTIVE WELL
13 ⊙	PLUGGED & ABANDONED DRY HOLE
— PL —	PIPELINE



**AS-BUILT**

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES <b>COASTAL ENGINEERING DIVISION</b> 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		NEW CUT DUNE/MARSH RESTORATION PROJECT		PIPELINE & WELL LOCATIONS	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RICKEY BROUILLETTE, P.E.		STATE PROJECT NUMBER: TE-37	
								FEDERAL PROJECT NUMBER: TE-37	
								DATE: FEBRUARY 2006	
								APPROVED BY: LUKE LE BAS, P.E.	
								SHEET 6 OF 21	
REV.	DATE	DESCRIPTION	BY						





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

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

AS-BUILT

- NOTES:
- SEE SHEET 9 OF 21 FOR THE COORDINATES OF THE MAGNETOMETER HITS.
  - SEE SHEET 7 OF 21 FOR THE WELL LISTING.
  - THE CUTTER HEAD SHALL BE CARRIED AT -20.0' NAVD 88 IN THE PRIMARY BORROW AREA.
  - THE CUTTER HEAD SHALL BE CARRIED AT -18.0' NAVD 88 IN THE SECONDARY BORROW AREA.
  - ALL COORDINATES SHOWN REFERENCE THE NORTH AMERICAN DATUM OF 1983 (NAD 83) LOUISIANA SOUTH ZONE U. S. SURVEY FEET.
  - THE PRIMARY BORROW AREA CONTAINS APPROXIMATELY 4,297,810 CU. YDS OF MATERIAL.
  - THE SECONDARY BORROW AREA CONTAINS APPROXIMATELY 51,217 CU. YDS. OF MATERIAL.
  - RESULTS OF BORROW AREA SURVEY AND GEOPHYSICAL INVESTIGATIONS ARE FROM THE AUGUST 2005 CPE REPORT BY FINKL, BENEDET AND CAMPBELL FOR TE-37.
  - 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).
  - 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.

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		NEW CUT DUNE/MARSH RESTORATION PROJECT		BORROW AREA LAYOUT	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RICKEY BROUILLETTE, P.E.		STATE PROJECT NUMBER: TE-37	
								FEDERAL PROJECT NUMBER: TE-37	
								DATE: FEBRUARY 2006	
								APPROVED BY: LUKE LE BAS, P.E.	
								SHEET 8 OF 21	
REV.	DATE	DESCRIPTION	BY						



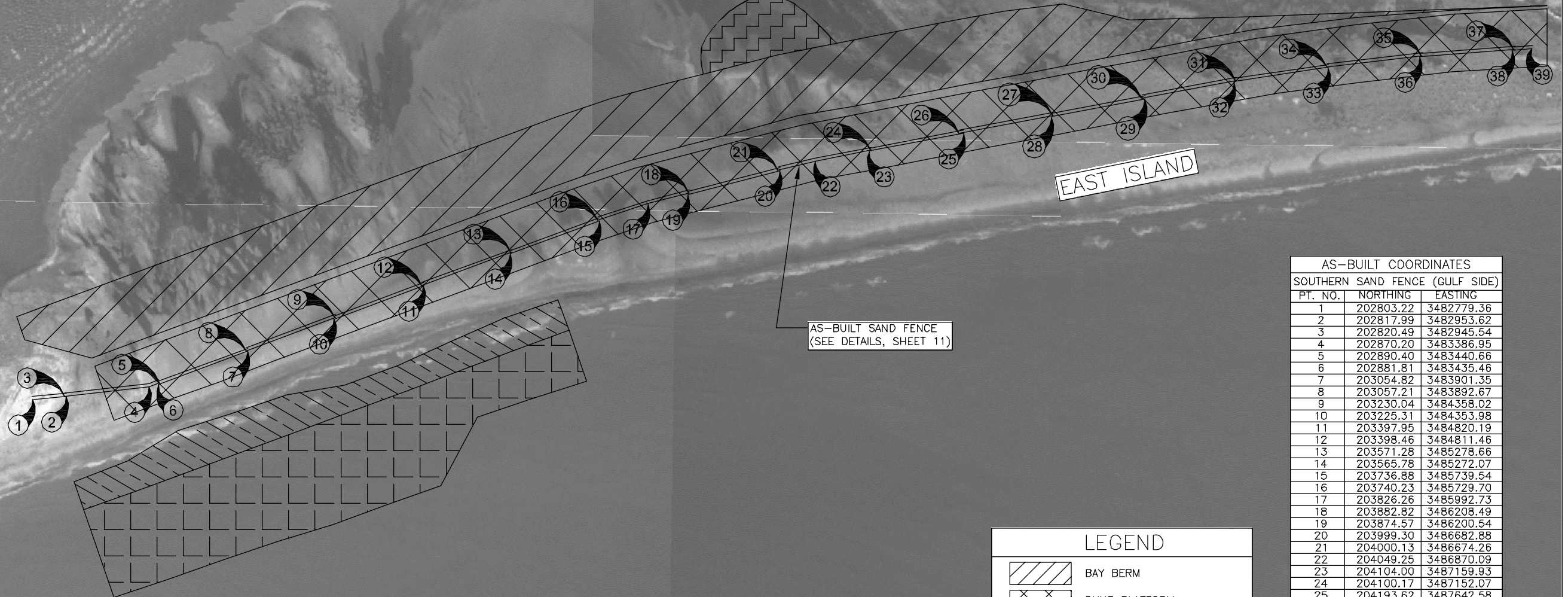
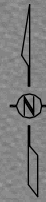
New Cut Borrow Area Unidentified Magnetic Anomaly Table						
Ref Number	Amplitude	Signature Type	Signature Duration	Description	X Coordinate	Y Coordinate
1	8	Monopolar	62	Single Object/Debris	3515469.6	202674.6
2	20	Dipolar	98	Potentially Significant	3513749.8	201412.8
3	33	Dipolar	76	Potentially Significant	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

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES <b>COASTAL ENGINEERING DIVISION</b> 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802	NEW CUT DUNE/MARSH RESTORATION PROJECT	MAGNETIC ANOMALY TABLE
					FEDERAL PROJECT NUMBER: N/A	DATE: FEBRUARY 2006
REV.	DATE	DESCRIPTION	BY		DRAWN BY: SHANE FAUST	DESIGNED BY: RICKEY BROUILLETTE, P.E.

LAKE PELTO



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

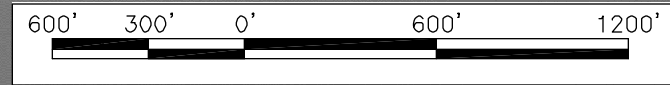
LEGEND	
	BAY BERM
	DUNE PLATFORM
	GULF BERM
	MARSH CREATION
	GULF SLOPE
	EXISTING MARSH (NO FLL)
	SAND FENCE

TRINITY ISLAND

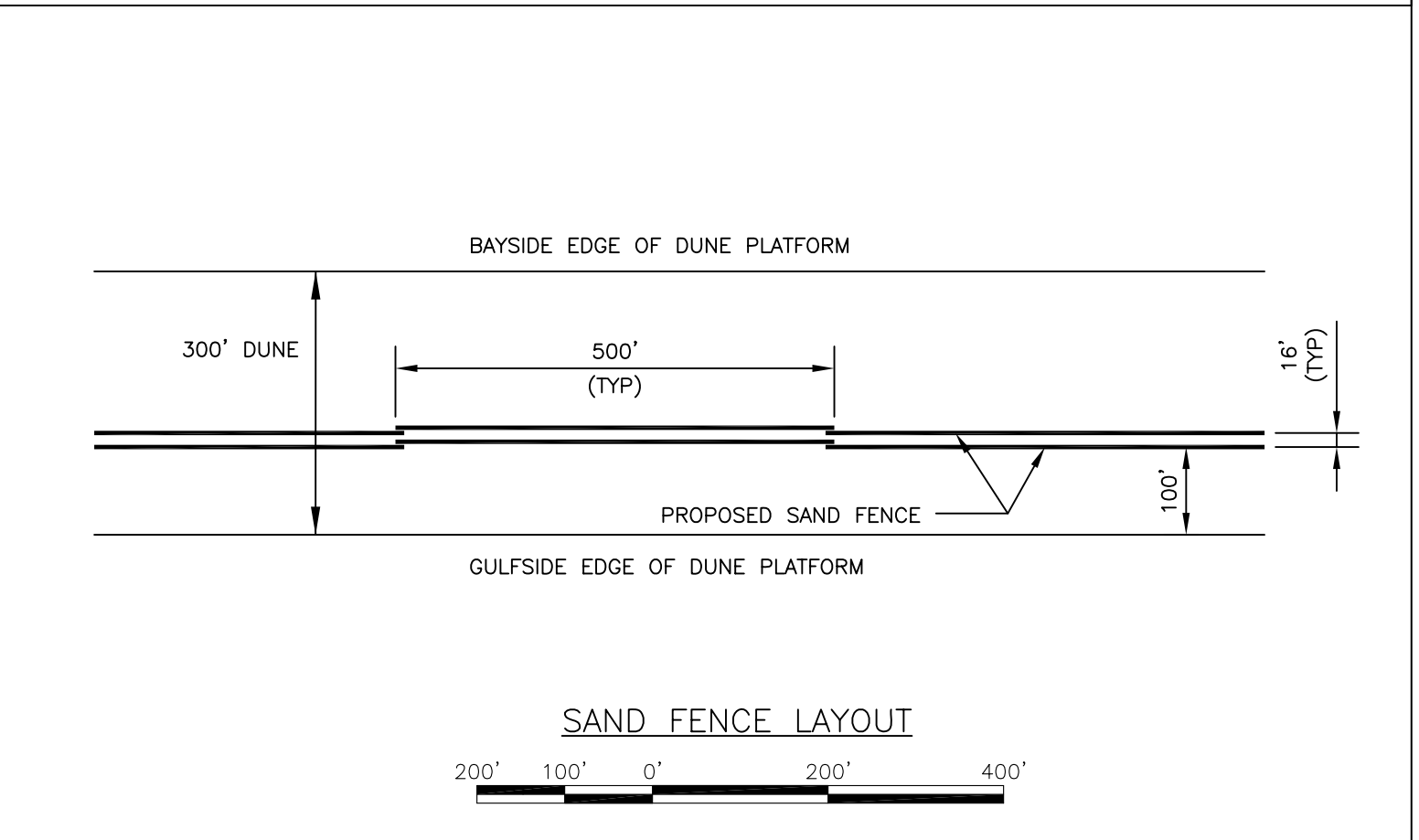
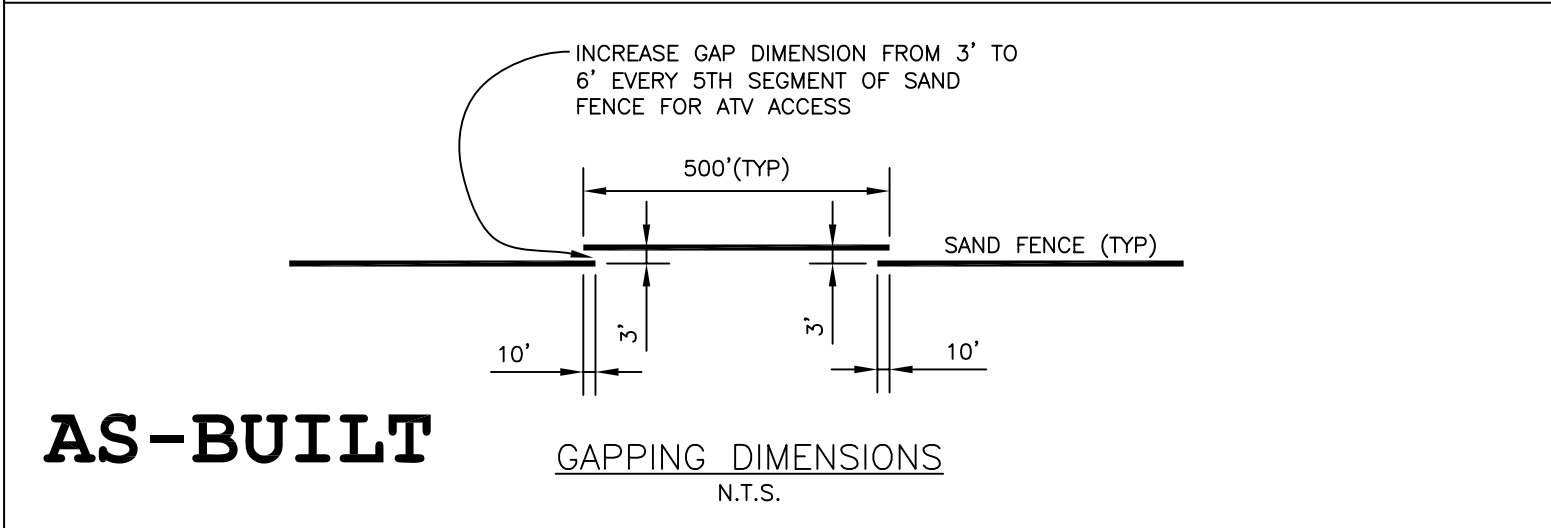
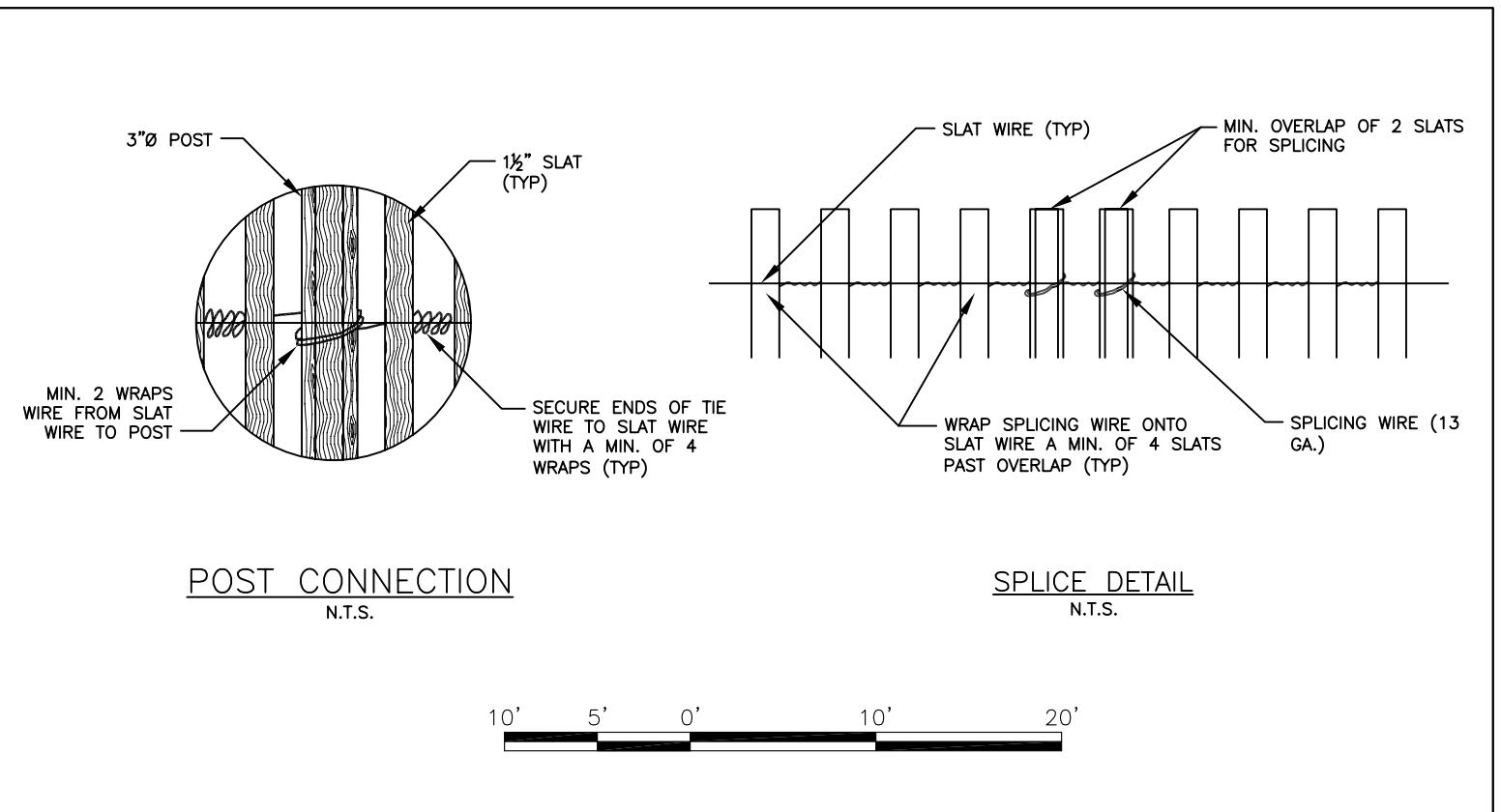
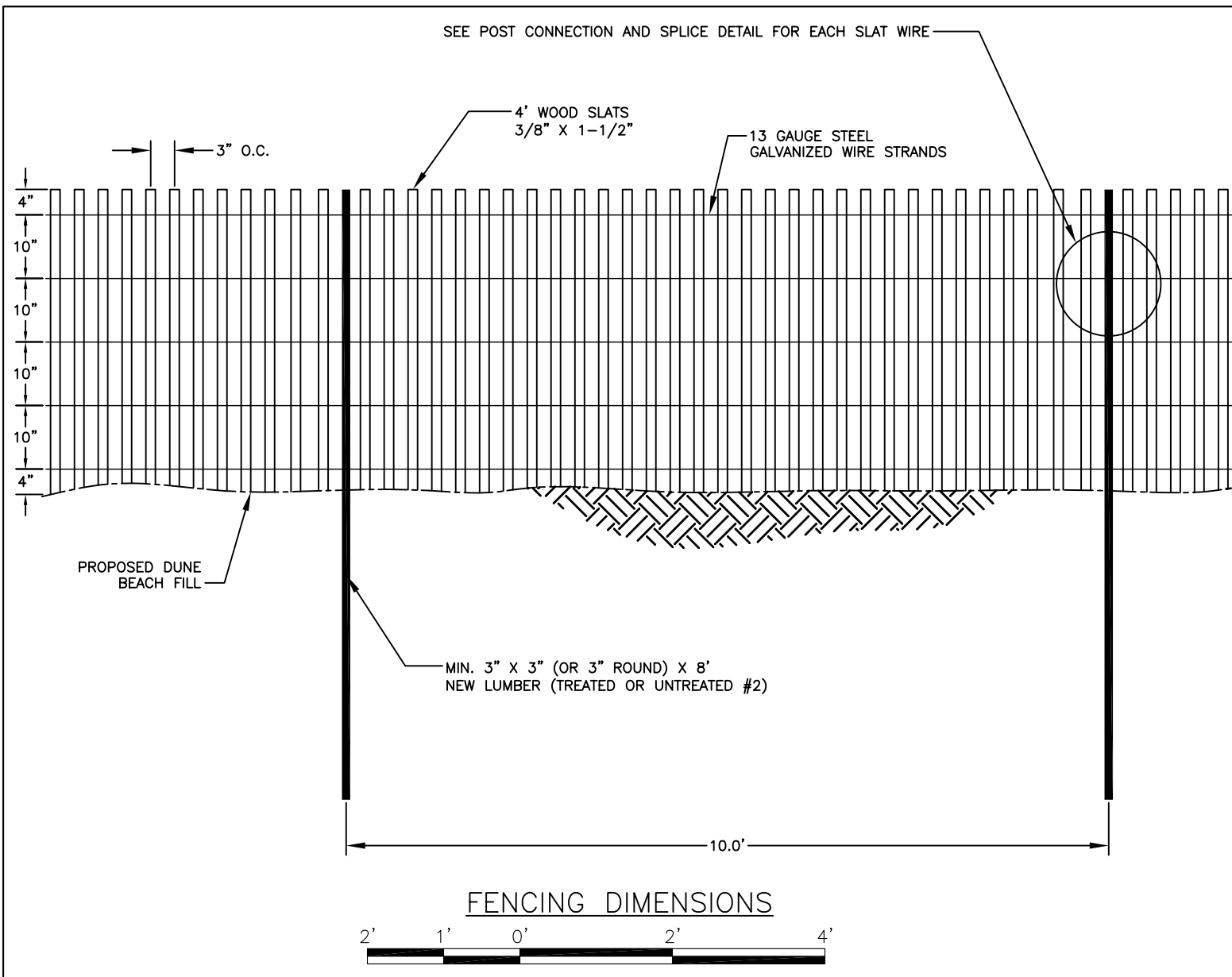
EAST ISLAND

GULF OF MEXICO

AS-BUILT



				LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		NEW CUT DUNE/MARSH RESTORATION PROJECT		SAND FENCE LAYOUT	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RUCKEY BROUILLETTE, P.E.		STATE PROJECT NUMBER: TE-37	
								FEDERAL PROJECT NUMBER: TE-37	
								DATE: FEBRUARY 2006	
								APPROVED BY: LUKE LE BAS, P.E.	
REV.	DATE	DESCRIPTION	BY					SHEET 10 OF 21	

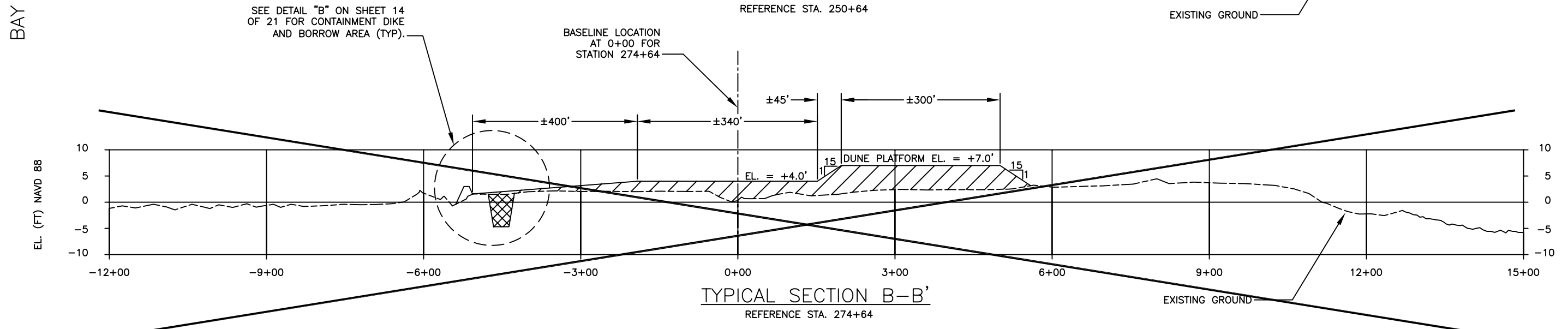
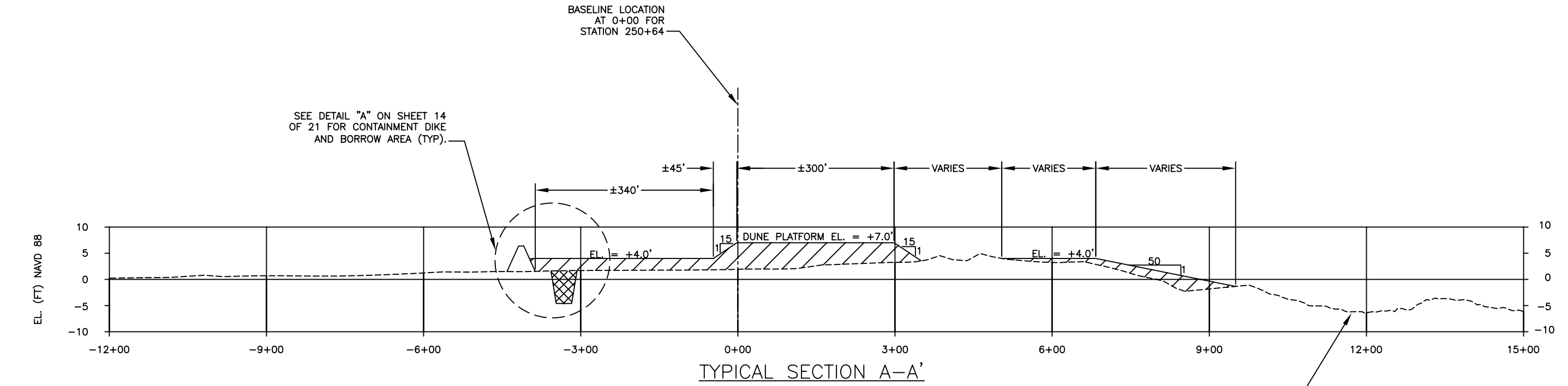


**AS-BUILT**

**NOTES:**

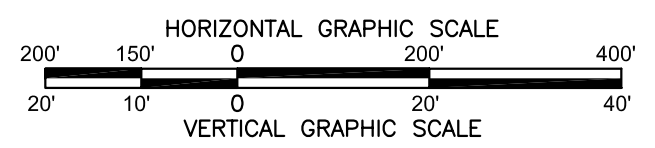
1. ACTUAL PLACEMENT OF SAND FENCING MAY BE ADJUSTED BY THE ENGINEER TO ACCOMODATE THE EXISTING CONDITIONS UPON INITIATING CONSTRUCTION OF THE FENCE.
2. THE DISTANCE FROM THE SAND FENCE TO THE EDGE OF DUNE PLATFORM ON THE GULF SIDE IS 100'.

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES <b>COASTAL ENGINEERING DIVISION</b> 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		NEW CUT DUNE/MARSH RESTORATION PROJECT		SAND FENCE DETAILS	
						STATE PROJECT NUMBER: T3-37			
						FEDERAL PROJECT NUMBER: TE-37		DATE: FEBRUARY 2006	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RICKEY BROUILLETTE, P.E.		APPROVED BY: LUKE LE BAS, P.E.	
1	3/28/07	FIELD CHANGE NO. 2	SJT						
REV.	DATE	DESCRIPTION	BY						
						APPROVED BY: LUKE LE BAS, P.E.		SHEET 11 OF 21	



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

**AS-BUILT**



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.

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		NEW CUT DUNE/MARSH RESTORATION PROJECT		TYPICAL CROSS SECTIONS	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RICKEY BROUILLETTE, P.E.		STATE PROJECT NUMBER: TE-37	
								FEDERAL PROJECT NUMBER: TE-37	
								DATE: FEBRUARY 2006	
								APPROVED BY: LUKE LE BAS, P.E.	
REV.	DATE	DESCRIPTION	BY					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

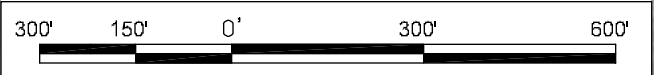
NOTES: ADDITIVE ALTERNATE NOT CONSTRUCTED

GULF OF MEXICO

APPROXIMATE END OF ISLAND

PRIMARY ACCESS CHANNEL

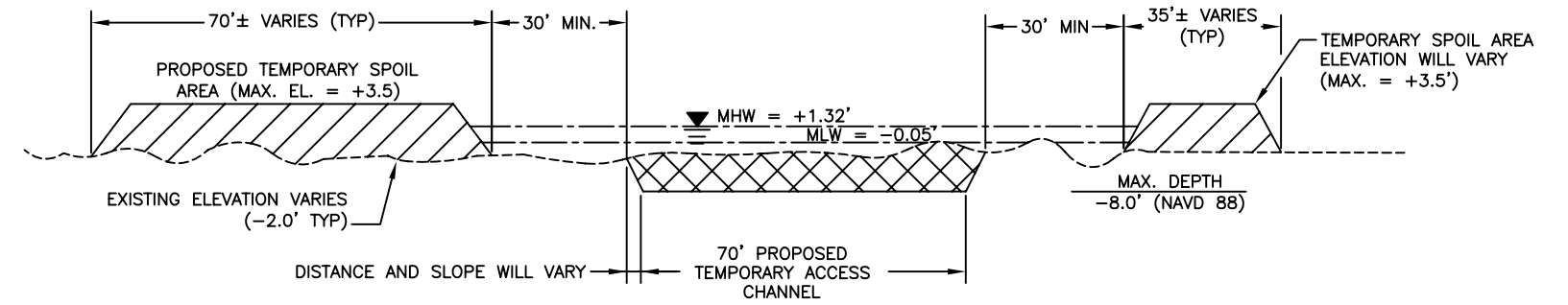
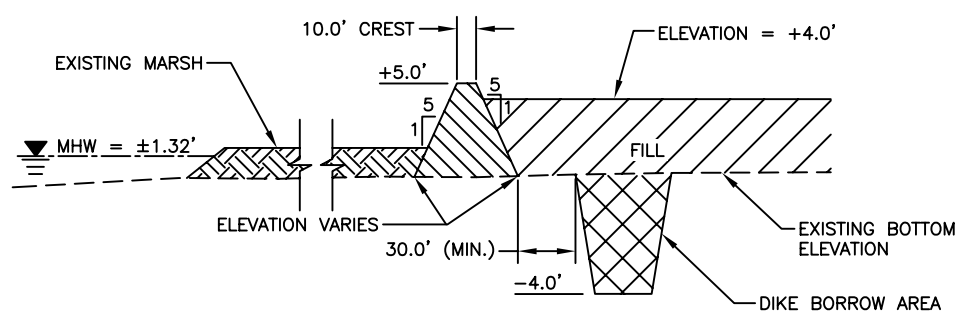
NO DREDGE



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

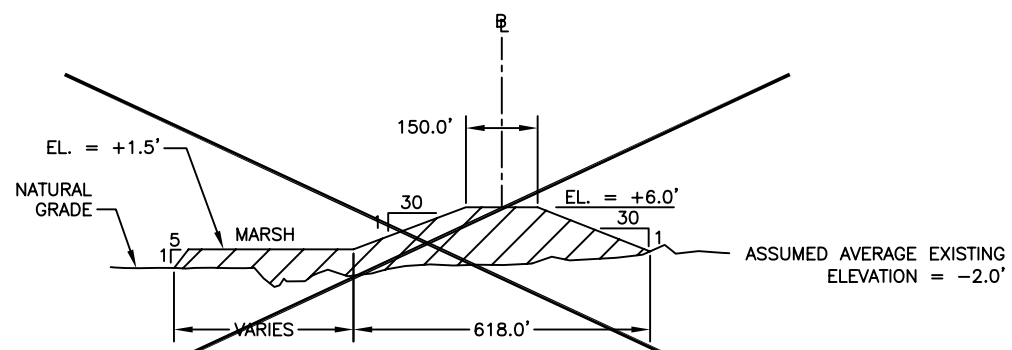
AS-BUILT

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES <b>COASTAL ENGINEERING DIVISION</b> 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		<b>NEW CUT DUNE/MARSH RESTORATION PROJECT</b>		<b>BREACH FILL LOCATION (ADDITIVE ALTERNATE)</b>	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RICKEY BROUILLETTE, P. E.		APPROVED BY: LUKE LE BAS, P.E.	
				STATE PROJECT NUMBER: TE-37		FEDERAL PROJECT NUMBER: TE-37		DATE: FEBRUARY 2006	
REV.	DATE	DESCRIPTION	BY					SHEET 13 OF 21	

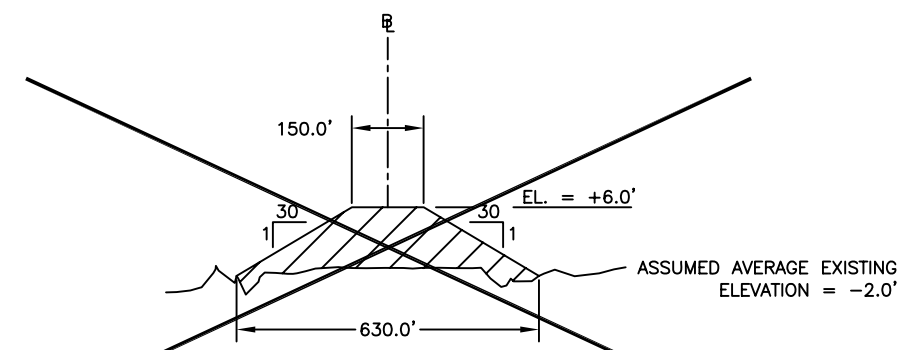


**CROSS SECTION C-C'**  
 PRIMARY ACCESS CHANNEL LOOKING SOUTH  
 HORIZONTAL SCALE: 1" = 40'  
 VERTICAL SCALE: 1" = 20'  
 (SEE SHEETS 4 AND 13)

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

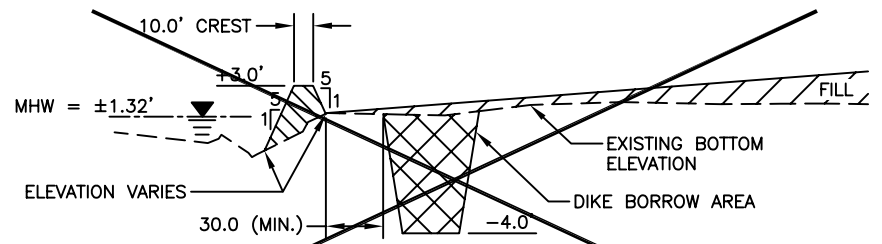


**CROSS SECTION D-D'**  
 HORIZONTAL SCALE: 1" = 400'  
 VERTICAL SCALE: 1" = 20'  
 (SEE SHEET 13)



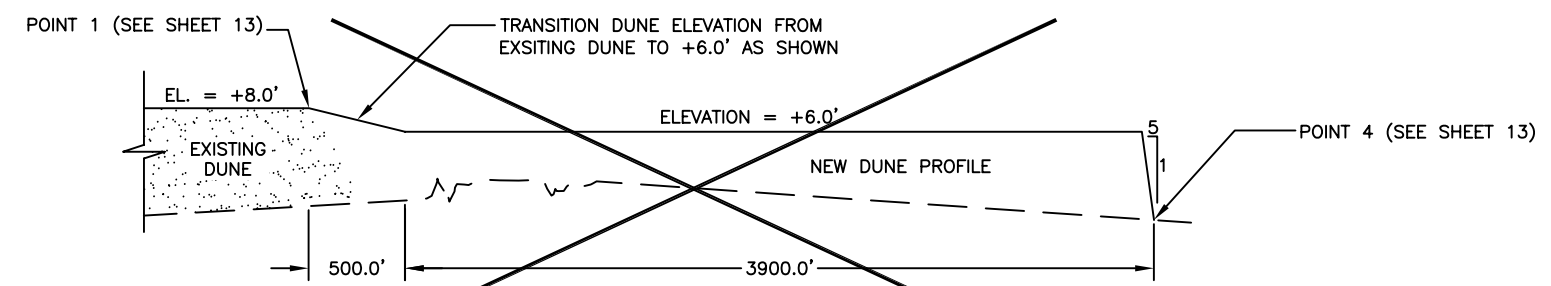
**CROSS SECTION E-E'**  
 HORIZONTAL SCALE: 1" = 400'  
 VERTICAL SCALE: 1" = 20'  
 (SEE SHEET 13)

NOTE: ADDITIVE ALTERNATE NOT CONSTRUCTED



**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



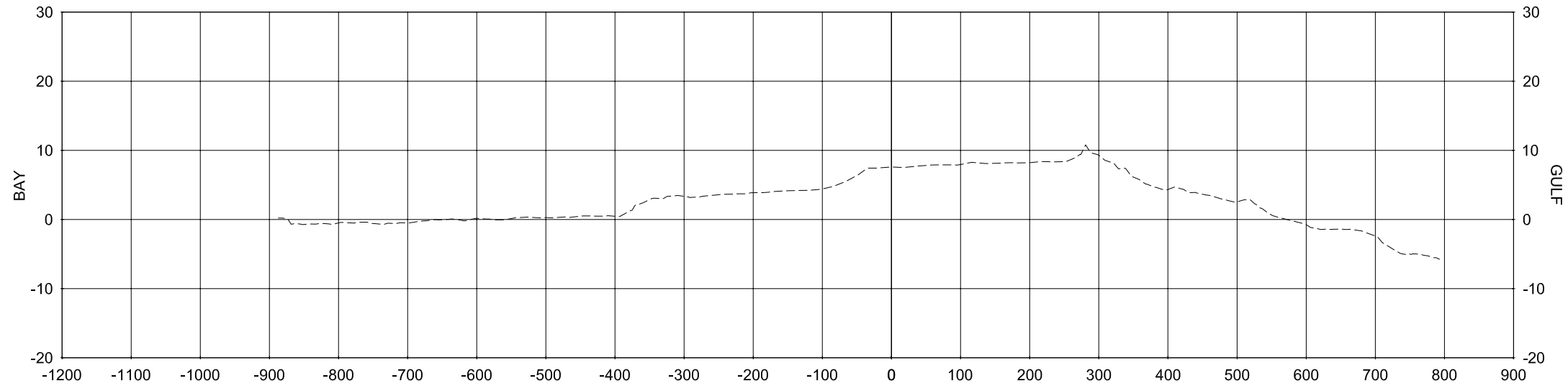
**CROSS SECTION F-F'**  
 HORIZONTAL SCALE: 1" = 100'  
 VERTICAL SCALE: 1" = 20'  
 (SEE SHEET 13)

NOTE: ADDITIVE ALTERNATE NOT CONSTRUCTED

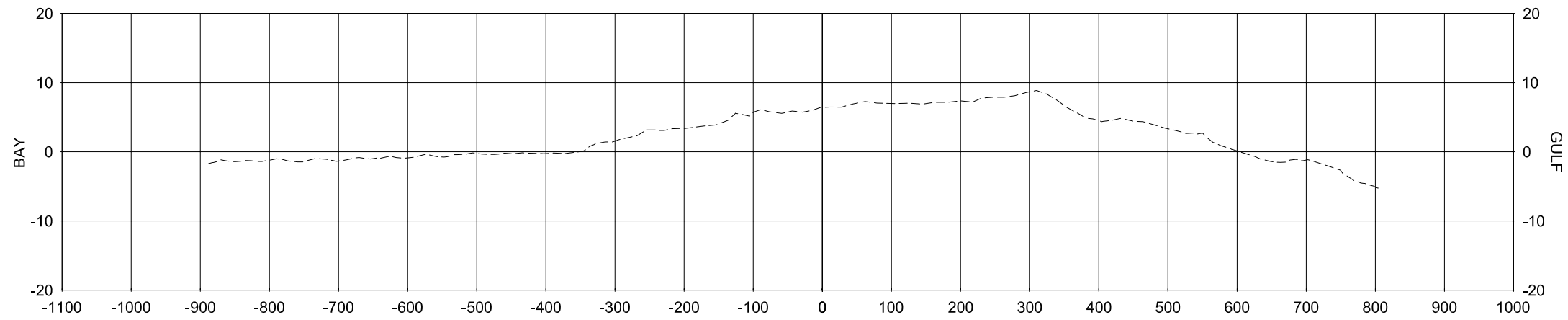
# AS-BUILT

- 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".

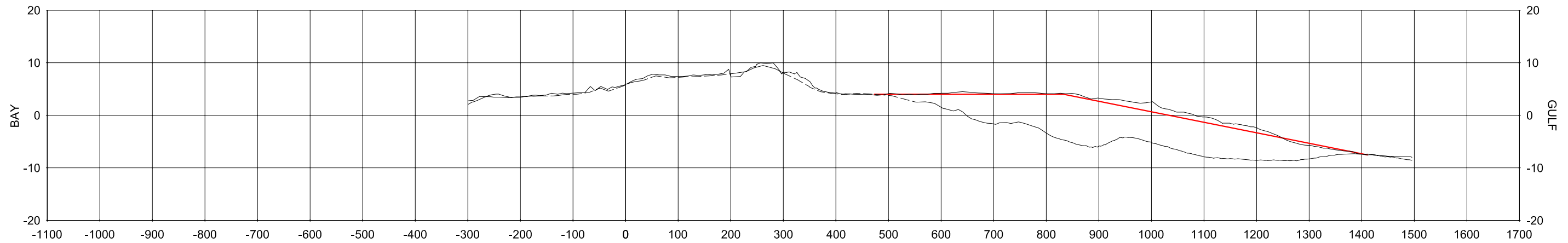
				LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		NEW CUT DUNE/MARSH RESTORATION PROJECT		DETAILS	
						STATE PROJECT NUMBER: TE-37			
						FEDERAL PROJECT NUMBER: TE-37		DATE: FEBRUARY 2006	
				DRAWN BY: SHANE FAUST		DESIGNED BY: RICKEY BROUILLETTE, P.E.		APPROVED BY: LUKE LE BAS, P.E.	
REV.	DATE	DESCRIPTION	BY					SHEET 14 OF 21	



**214+63**  
LOOKING EAST

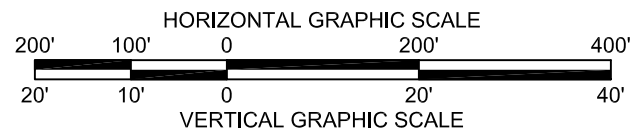


**220+63**  
LOOKING EAST



**226+64**  
LOOKING EAST

# AS-BUILT



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

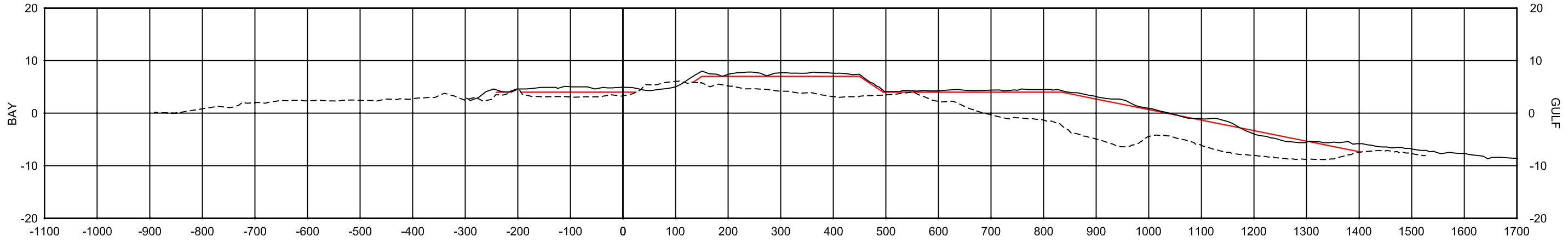
STATE PROJECT NUMBER: TE-37  
 FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LEBAS, P.E.

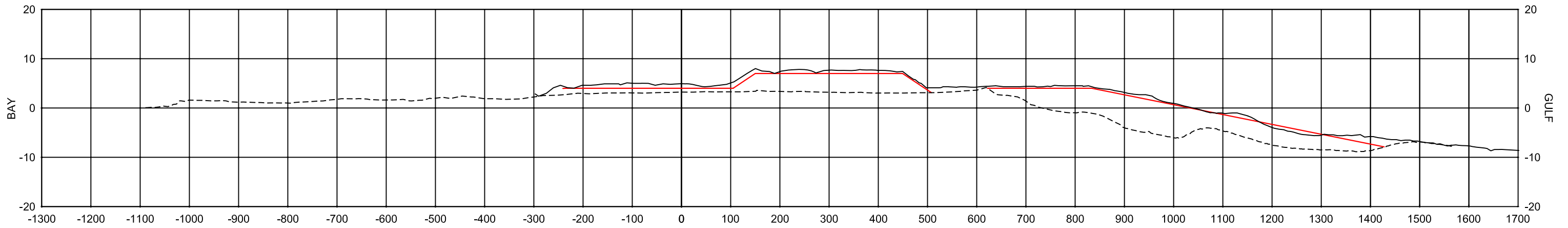
AS-BUILT CROSS SECTIONS

DATE: FEBRUARY 2006

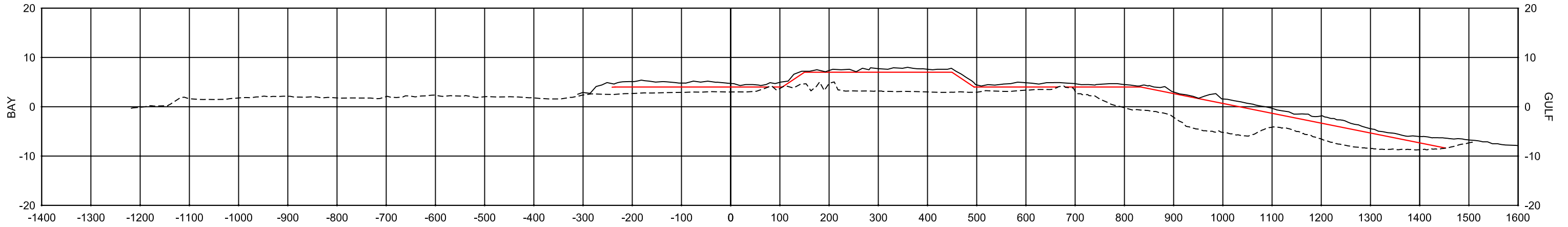
SHEET 15 OF 21



**232+64**  
LOOKING EAST

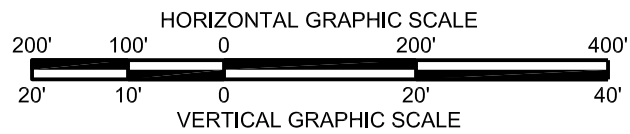


**238+64**  
LOOKING EAST



**244+64**  
LOOKING EAST

# AS-BUILT



LEGEND	
---	EXISTING GROUND
—	AS-BUILT DUNE
—	PROPOSED TEMPLATE

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

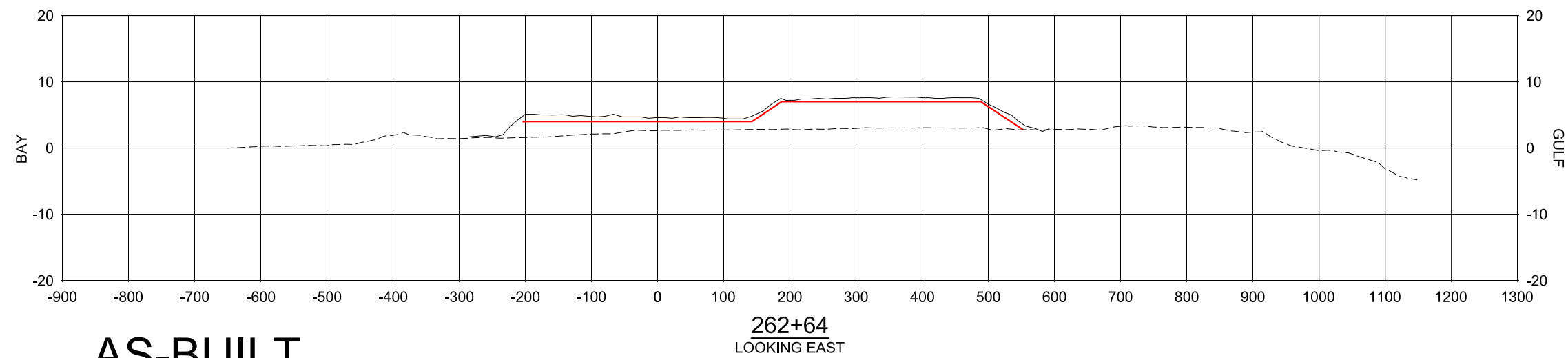
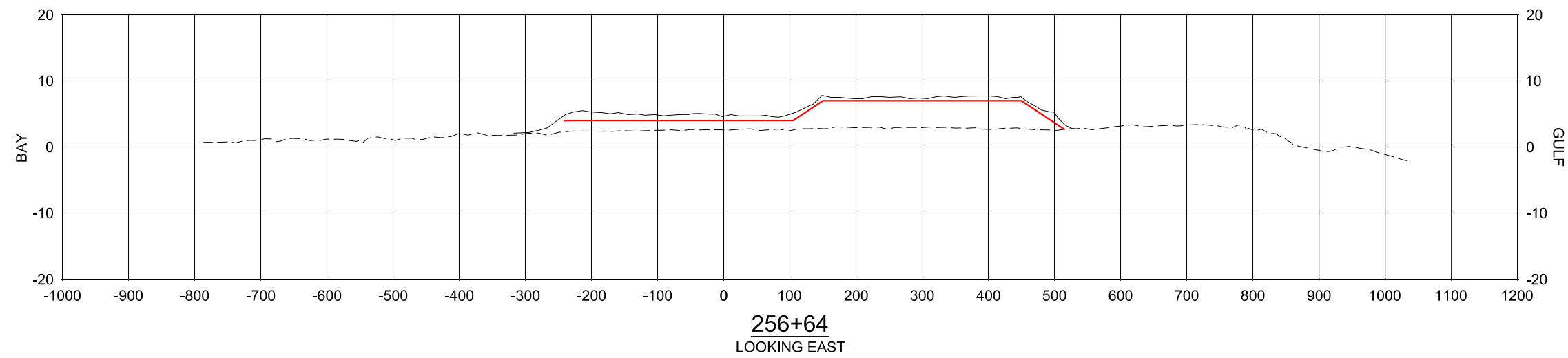
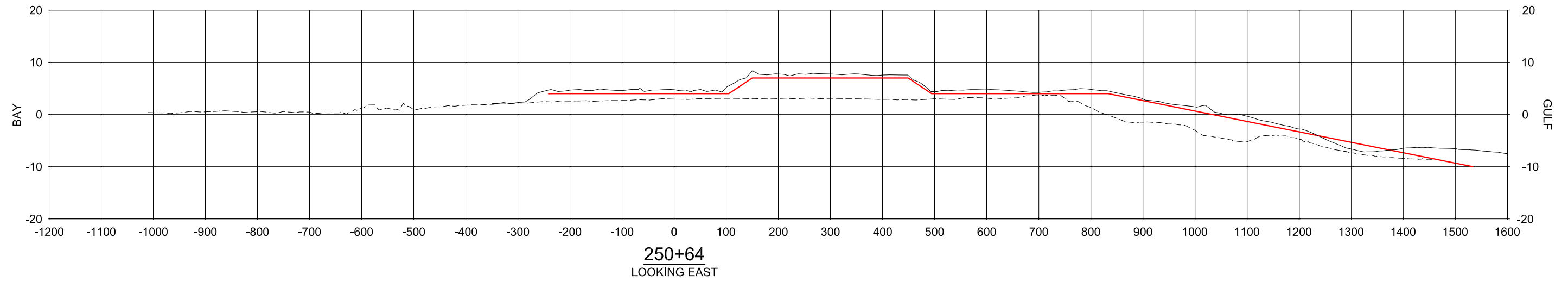
LOUISIANA DEPARTMENT OF NATURAL RESOURCES  
**COASTAL ENGINEERING DIVISION**  
 617 NORTH 3RD STREET  
 BATON ROUGE, LOUISIANA 70802

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

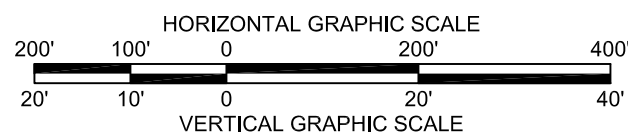
NEW CUT DUNE/MARSH RESTORATION PROJECT  
 STATE PROJECT NUMBER: TE-37  
 FEDERAL PROJECT NUMBER: TE-37  
 APPROVED BY: LUKE LEBAS, P.E.

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





# AS-BUILT



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

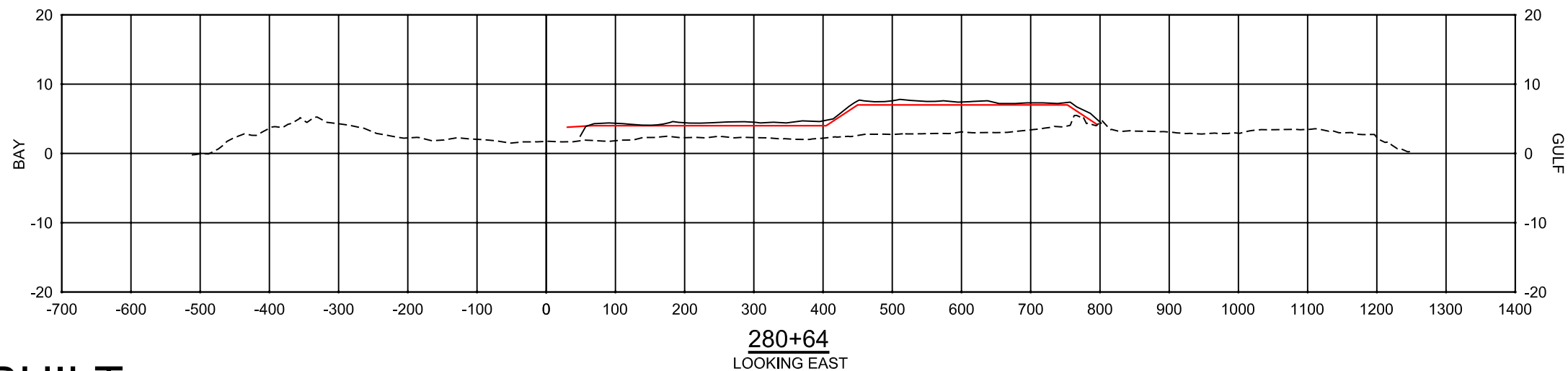
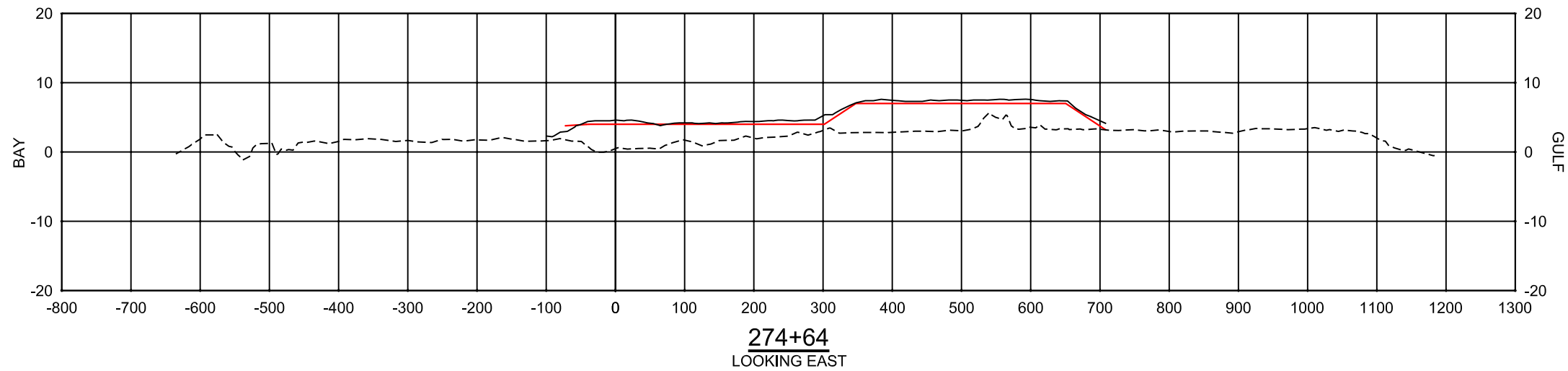
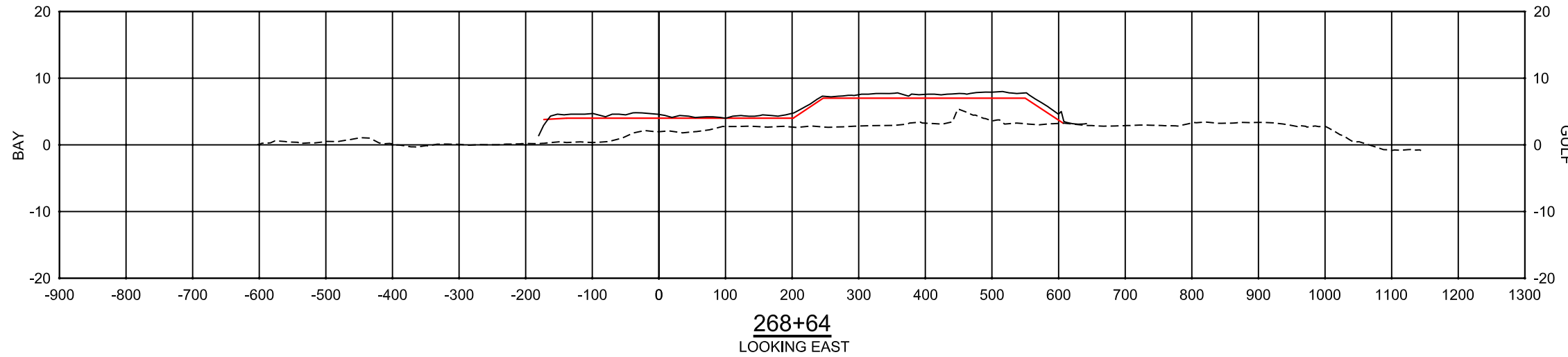
DRAWN BY: KRISTI CANTU    DESIGNED BY: BEAU TATE, P.E.

NEW CUT DUNE/MARSH  
RESTORATION PROJECT

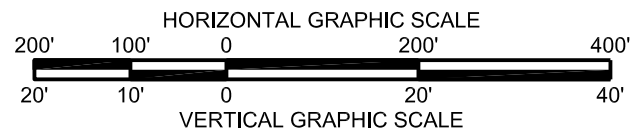
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FEDERAL PROJECT NUMBER: TE-37  
APPROVED BY: LUKE LEBAS, P.E.

AS-BUILT  
CROSS SECTIONS

DATE: DECEMBER 2005  
SHEET 17 OF 21



# AS-BUILT



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

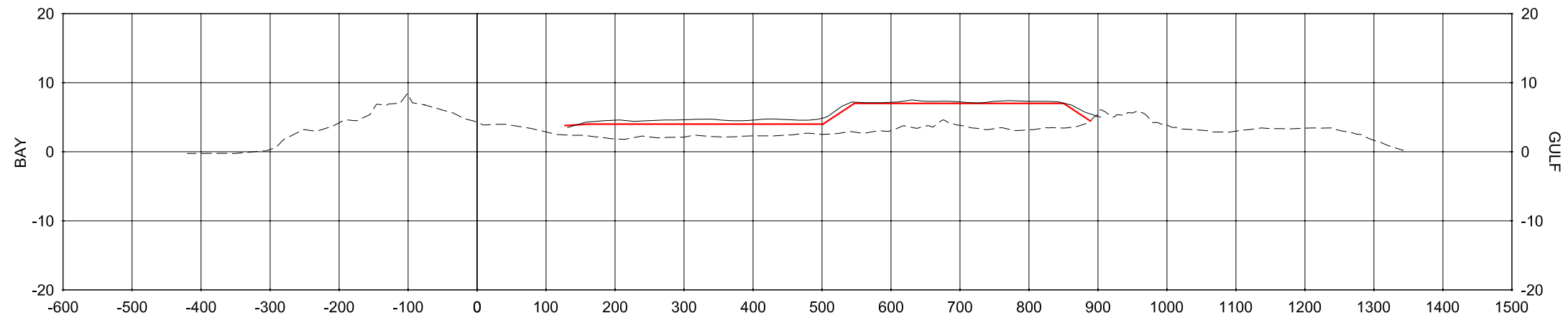
STATE PROJECT NUMBER: TE-37  
 FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LEBAS, P.E.

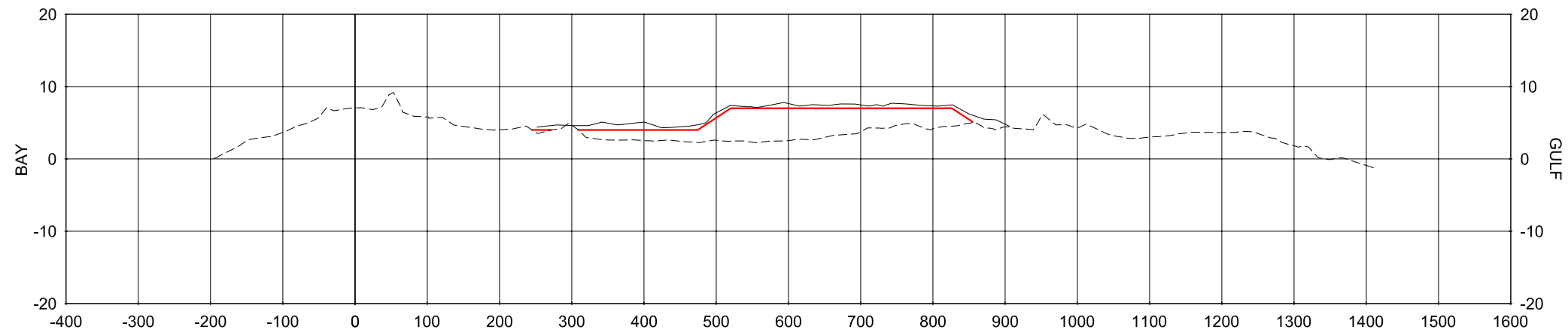
AS-BUILT CROSS SECTIONS

DATE: DECEMBER 2005

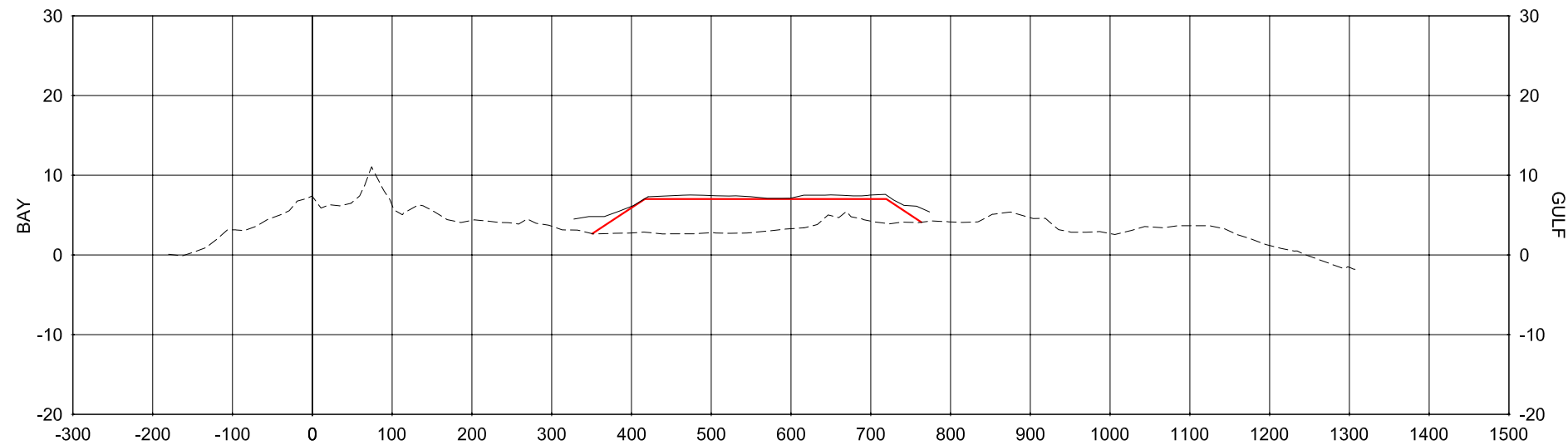
SHEET 18 OF 21



286+64  
LOOKING EAST

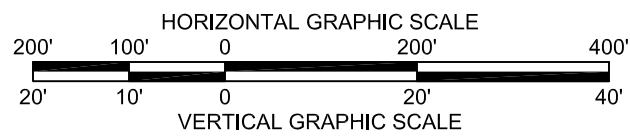


292+76  
LOOKING EAST



299+65  
LOOKING EAST

# AS-BUILT



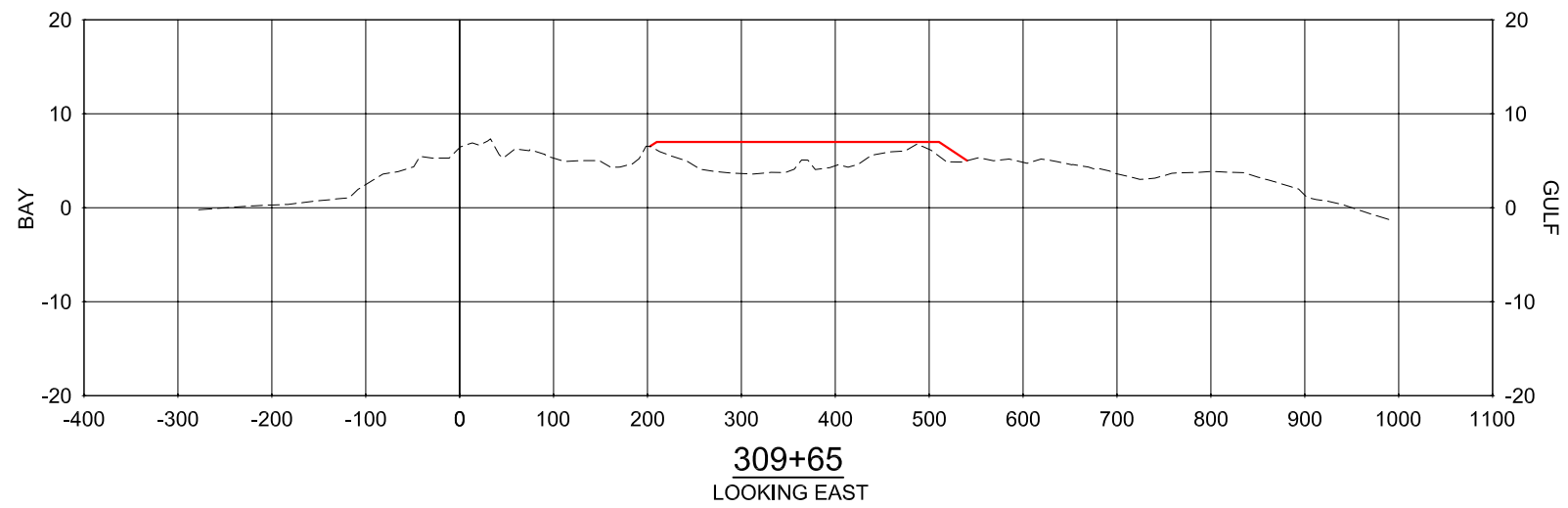
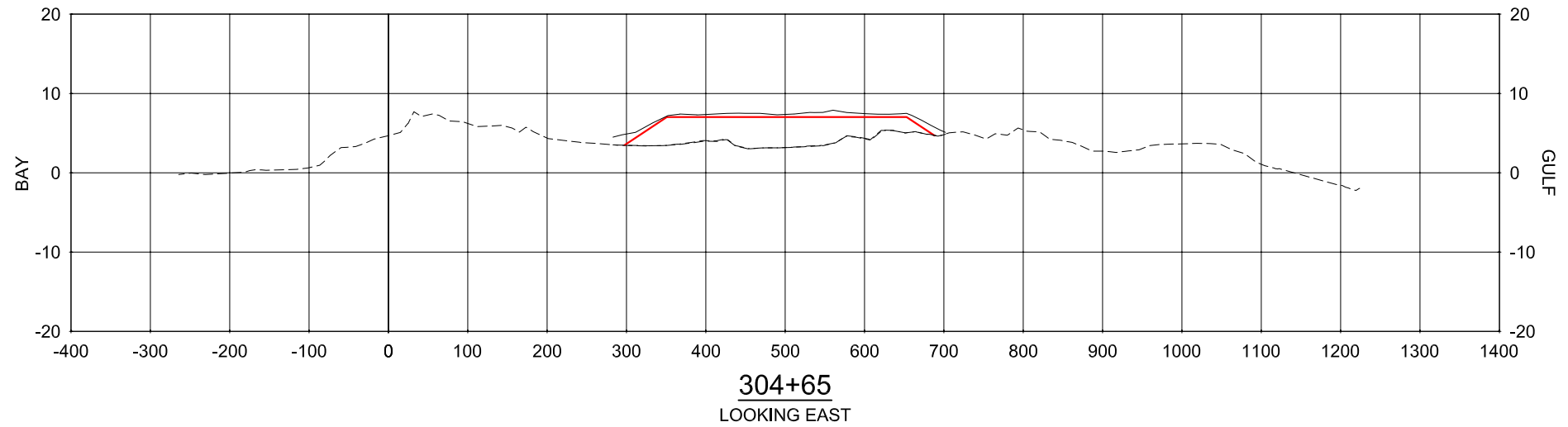
LEGEND	
---	EXISTING GROUND
—	AS-BUILT DUNE
—	PROPOSED TEMPLATE

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

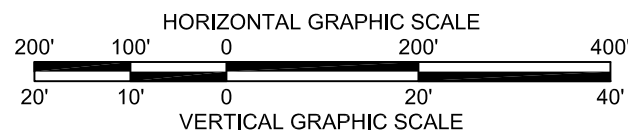
LOUISIANA DEPARTMENT OF NATURAL RESOURCES  
**COASTAL ENGINEERING DIVISION**  
 617 NORTH 3RD STREET  
 BATON ROUGE, LOUISIANA 70802

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

NEW CUT DUNE/MARSH RESTORATION PROJECT		AS-BUILT CROSS SECTIONS
STATE PROJECT NUMBER: TE-37		DATE: FEBRUARY 2006
FEDERAL PROJECT NUMBER: TE-37		
APPROVED BY: LUKE LEBAS, P.E.		SHEET 19 OF 21



# AS-BUILT



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

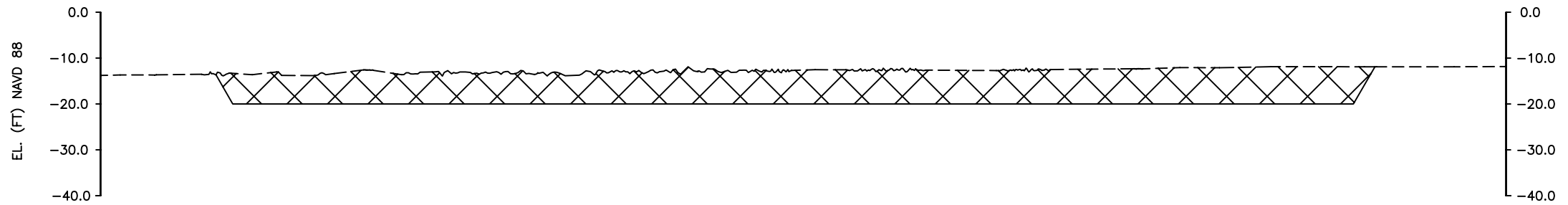
FEDERAL PROJECT NUMBER: TE-37

APPROVED BY: LUKE LEBAS, P.E.

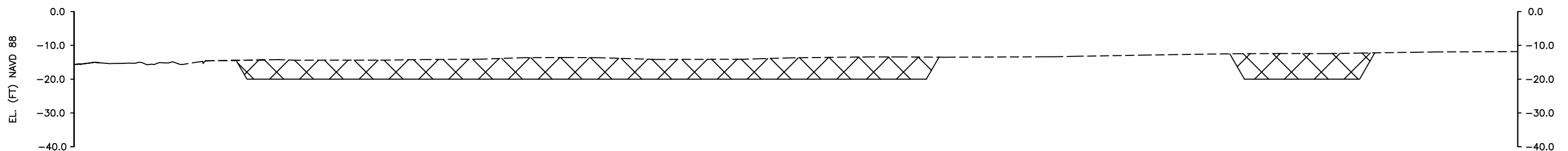
AS-BUILT CROSS SECTIONS

DATE: FEBRUARY 2006

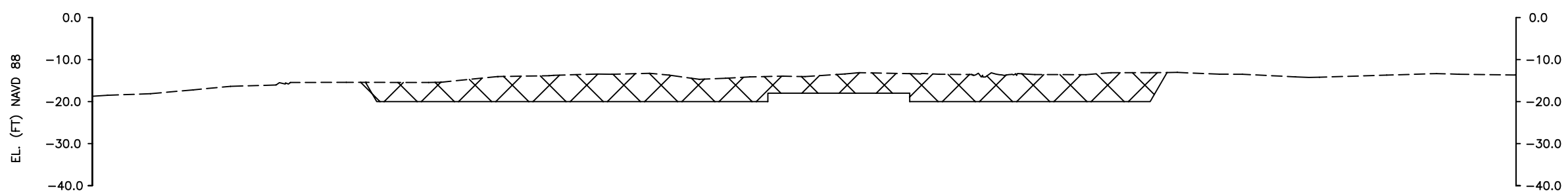
SHEET 20 OF 21



TYPICAL SECTION G-G'  
LOOKING NORTHWARD  
(SEE SHEET 8)

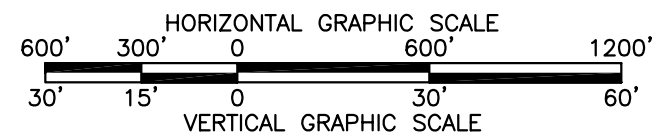




TYPICAL SECTION H-H'  
LOOKING NORTHWARD  
(SEE SHEET 8)



TYPICAL SECTION I-I'  
LOOKING WESTWARD  
(SEE SHEET 8)

AS-BUILT



LEGEND	
	FILL FROM BORROW SOURCE
	EXISTING GROUND

				LOUISIANA DEPARTMENT OF NATURAL RESOURCES <b>COASTAL ENGINEERING DIVISION</b> 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802	NEW CUT DUNE/MARSH RESTORATION PROJECT	BORROW AREA SECTIONS
					STATE PROJECT NUMBER: TE-37 FEDERAL PROJECT NUMBER: TE-37	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: SHANE FAUST DESIGNED BY: RICKEY BROUILLETTE, P.E.	APPROVED BY: LUKE LE BAS, P.E.	SHEET 21 OF 21