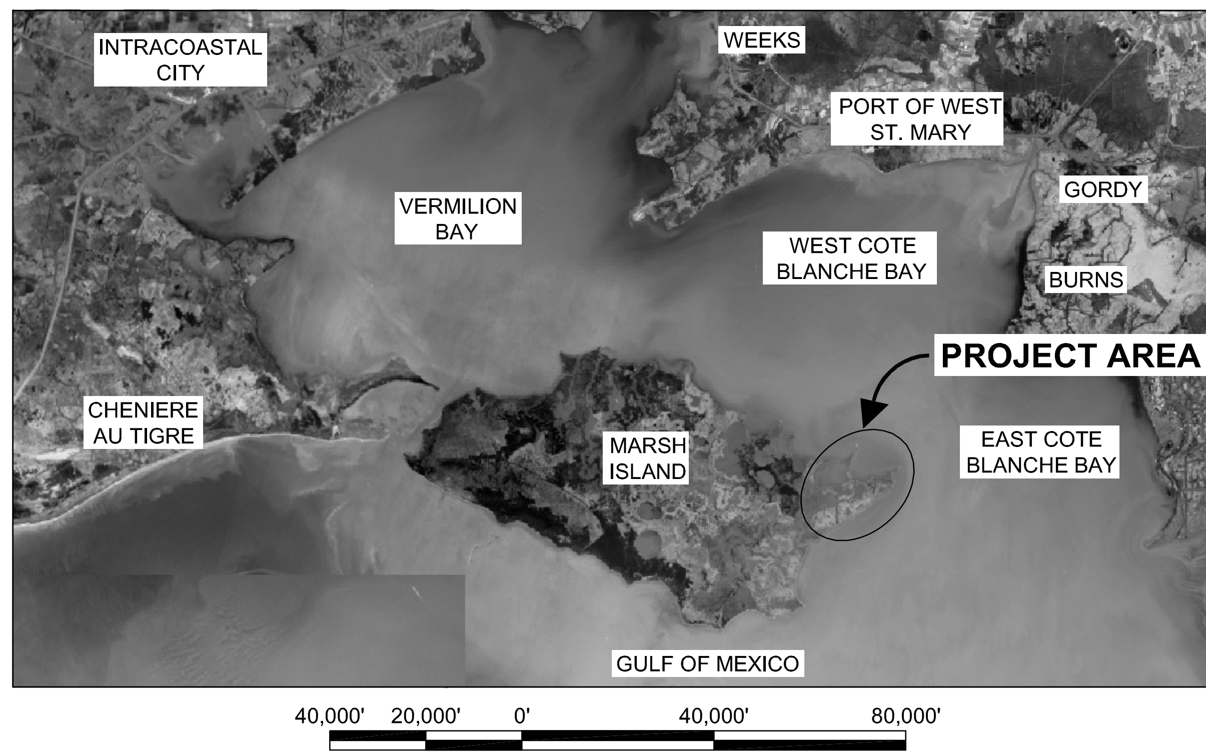
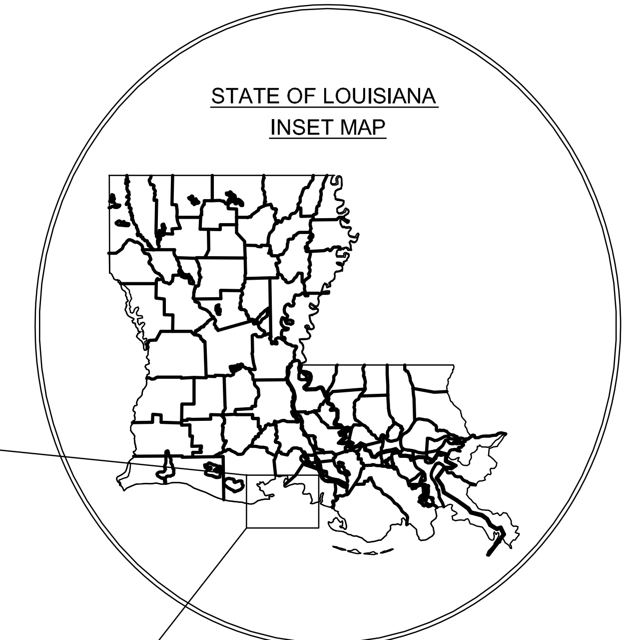
STATE OF LOUISIANA
OFFICE OF COASTAL PROTECTION AND RESTORATION
ENGINEERING BRANCH

EAST MARSH ISLAND MARSH CREATION
TV-21
IBERIA PARISH, LOUISIANA

INDEX TO SHEETS





STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

CHIEF - ENGINEERING & OPERATIONS DIVISION

ENGINEER ADMINISTRATOR

ENGINEER MANAGER

PROJECT ENGINEER

ASBUILT DRAWINGS

TYPE OF CONSTRUCTION

CLASSIFICATION III (HEAVY CONSTRUCTION)
HYDRAULIC DREDGING/MARSH CREATION

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

EAST MARSH ISLAND MARSH CREATION

TITLE SHEET

STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
DATE: MARCH 2011
DRAWN BY:
DESIGNED BY:
APPROVED BY: DAVID P. HIDALGO, P.E.

SHEET 1 OF 22

GENERAL NOTES

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD83, LOUISIANA STATE PLANE SOUTH ZONE U.S. FEET). ELEVATIONS ARE BASED ON THE FOLLOWING SECONDARY MONUMENTS:

SECONDARY MONUMENT	ELEVATION	NORTHING	EASTING
TV14-SM-03	2.69	385,783.65	3,145,231.78
TV14-SM-04	3.22	386,721.01	3,158,001.84
TV14-SM-05	2.26	380,411.66	3,149,636.25

2. TIDAL ELEVATIONS ARE BASED ON OCPR MONITORING STATIONS BAFS-10 AND BA-01-07 AND CORRELATED TO NOAA STATION 8761724 AT GRAND ISLE, LOUISIANA FROM JANUARY 1, 1984 TO DECEMBER 31, 2002 AND ARE AS FOLLOWS:

   MEAN HIGH WATER (MHW) = +1.29' NAVD88
   MEAN TIDE LEVEL (MTL) = +0.54 NAVD88
   MEAN LOW WATER (MLW) = -0.22' NAVD88

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT PLAN AREA. THE ENGINEER OR HIS REPRESENTATIVE SHALL MONITOR THE LOCATION DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT DISTURB EXISTING MARSH OR VEGETATIVE WETLANDS OUTSIDE OF THE PROJECT BOUNDARY WITHOUT APPROVAL FROM THE ENGINEER.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND MARKING THE LOCATIONS OF ALL PIPELINES 72 HOURS PRIOR TO MOBILIZATION. ALL PIPELINES SHALL BE MARKED WITH OFFSHORE BUOYS OR ONSHORE WITH STAKES BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. THE CONTRACTOR SHALL NOT ANCHOR OR DREDGE OFFSHORE WITHIN 200 FEET OF ANY PIPELINE. THE CONTRACTOR SHALL NOT EXCAVATE ONSHORE WITHIN 25 FEET OF ANY PIPELINE. CALL LOUISIANA ONE CALL AT 1-800-272-3020 TO LOCATE ALL PIPELINES AND UTILITIES AT LEAST 72 HOURS PRIOR TO MOBILIZATION. THE FOLLOWING LIST OF PIPELINE OPERATORS MUST BE CONTACTED 72 HOURS PRIOR TO MOBILIZATION.

   RENAISSANCE PETROLEUM CO, LLC.
   CLAY SYLVESTER
   2301 STRAND STREET, SUITE 232
   GALVESTON, TX. 77550
   (409) 765-6900

   EXXON MOBIL PRODUCTION CO.
   MICHAEL MCNULTY
   LA. OFFSHORE MANAGER
   (713) 431-2153
   m.michael.mcnulty@exxonmobil.com

5. BORROW AREA SURVEYS WERE COMPLETED IN AUGUST 2007 BY COASTAL PLANNING AND ENGINEERING, INC. AND WERE USED FOR VOLUME ESTIMATION PURPOSES ONLY. THE BORROW AREAS SHALL BE SURVEYED BY THE CONTRACTOR BEFORE AND AFTER CONSTRUCTION FOR MEASUREMENT AND PAYMENT PURPOSES. ALL SURVEYING AND MEASUREMENTS BY THE CONTRACTOR FOR MEASUREMENT AND PAYMENT WILL BE MONITORED BY THE ENGINEER OR HIS REPRESENTATIVE. THE ENGINEER SHALL REVIEW ALL SURVEYS, MEASUREMENTS AND PAYMENT CALCULATIONS. IF A DISCREPANCY CANNOT BE RESOLVED, THE ENGINEER SHALL PERFORM A CROSS-SECTION SURVEY TO VERIFY THE CONTRACTOR'S WORK.

6. FILL AREA ELEVATIONS SHOWN ON THE PLANS ARE BASED ON SURVEYS PERFORMED FOR OCPR BY C.H. FENSTERMAKER AND ASSOC. IN AUGUST 2007. DREDGED MATERIAL SHALL BE PLACED IN A MINIMUM OF TWO LIFTS. THE TARGET ELEVATION OF THE INITIAL LIFT IS BETWEEN +1.5' AND +2.5' NAVD88. THE 28-DAY TARGET ELEVATION OF THE FINAL LIFT IS +3.5' NAVD88 WITH A TOLERANCE OF ± 0.3'. MATERIAL PLACED OUTSIDE OF THIS TOLERANCE MAY BE REQUIRED TO BE REMOVED BEFORE RECEIVING FINAL PAYMENT AS DETERMINED BY THE ENGINEER.

7. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE PROPOSED FILL AREA. NO PAYMENT WILL BE MADE FOR FILL MATERIAL PLACED OUTSIDE THE BOUNDARIES OF FILL AREA AS SPECIFIED IN THE PLANS.

8. PLANS AND BID DOCUMENTS ARE COMPLEMENTARY; WHAT IS REQUIRED IN ONE IS AS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS WILL BE ISSUED BY THE ENGINEER.

9. ALL EQUIPMENT SHALL BE FLOATING AT ALL TIMES DURING TRANSIT TO AND FROM THE PROJECT SITE.

10. STORAGE OR PLACEMENT OF EQUIPMENT ON EXISTING MARSH IS NOT ALLOWED.

SUMMARY OF FINAL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
2	SURVEYING	LUMP SUM	1
3	CONTAINMENT DIKE CONSTRUCTION, MAINTENANCE, & DEGRADATION	LINEAR FOOT	23,139
4	EARTHEN PLUG	LINEAR FOOT	820
5	HYDRAULIC DREDGING (CUT VOLUME)	CUBIC YARD	2,304,181
6	GRADE STAKES	LUMP SUM	1
7	SETTLEMENT PLATES	EACH	4
8	HAY BALES FOR CONTAINMENT DIKE PROBLEM AREAS	LUMP SUM	1
9	MOBILIZATION AND DEMOBILIZATION FOR ADDITIONAL AREAS	LUMP SUM	1
10	CONTAINMENT DIKE CONSTRUCTION, MAINTENANCE, & DEGRADATION FOR ADDITIONAL AREAS	LINEAR FOOT	11,331
11	HYDRAULIC DREDGING (CUT VOLUME) FOR ADDITIONAL AREAS	CUBIC YARD	1,532,028
12	REPAIR OF EARTHEN DIKE FAILURE	LUMP SUM	1

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ASBUILT DRAWINGS

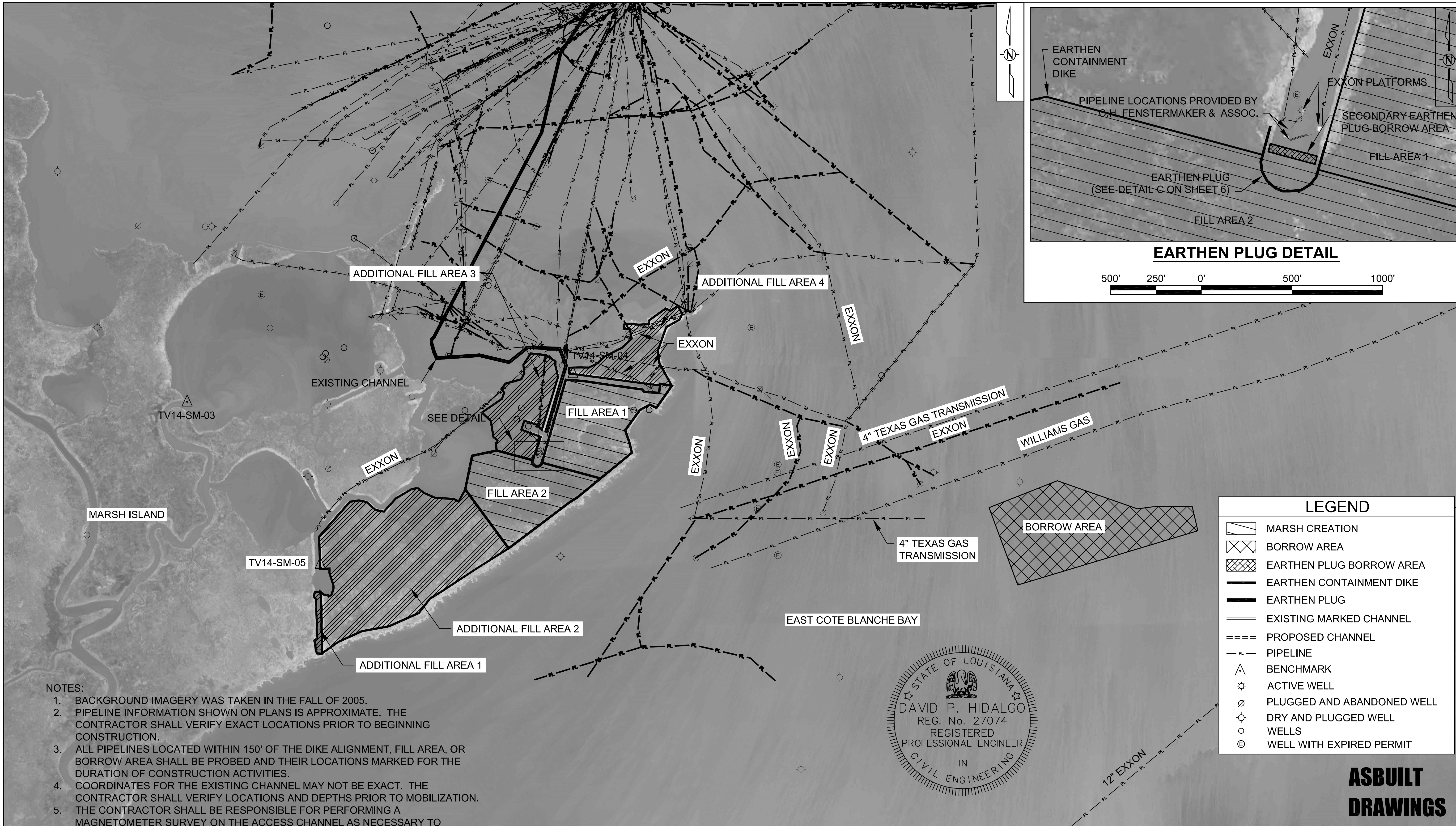
REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

EAST MARSH ISLAND
MARSH CREATION

GENERAL NOTES

STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
DATE: MARCH 2011
DRAWN BY:
DESIGNED BY:
APPROVED BY: DAVID P. HIDALGO, P.E.



LEGEND

- MARSH CREATION
- BORROW AREA
- EARTHEN PLUG BORROW AREA
- EARTHEN CONTAINMENT DIKE
- EARTHEN PLUG
- EXISTING MARKED CHANNEL
- PROPOSED CHANNEL
- PIPELINE
- BENCHMARK
- ACTIVE WELL
- PLUGGED AND ABANDONED WELL
- DRY AND PLUGGED WELL
- WELLS
- WELL WITH EXPIRED PERMIT

ASBUILT DRAWINGS

NOTES:

1. BACKGROUND IMAGERY WAS TAKEN IN THE FALL OF 2005.
2. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
3. ALL PIPELINES LOCATED WITHIN 150' OF THE DIKE ALIGNMENT, FILL AREA, OR BORROW AREA SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
4. COORDINATES FOR THE EXISTING CHANNEL MAY NOT BE EXACT. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS PRIOR TO MOBILIZATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A MAGNETOMETER SURVEY ON THE ACCESS CHANNEL AS NECESSARY TO ENSURE THAT NO PIPELINES ARE AFFECTED BY MOBILIZATION OR DEMOBILIZATION ACTIVITIES.

3000' 1500' 0' 3000' 6000'

REV.	DATE	DESCRIPTION	BY

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

DRAWN BY: | DESIGNED BY:

EAST MARSH ISLAND
MARSH CREATION

ACCESS ROUTE

STATE PROJECT NUMBER: TV-21

FEDERAL PROJECT NUMBER:

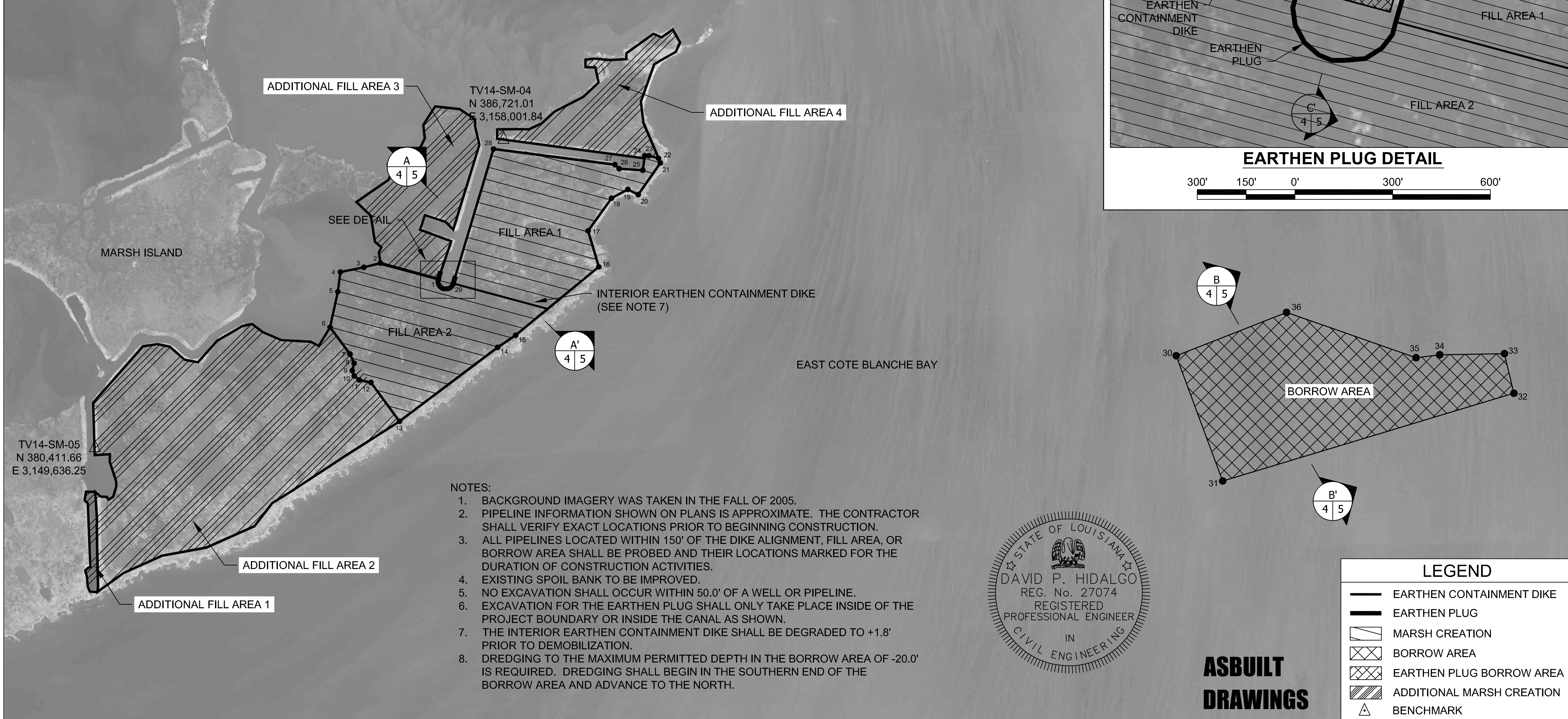
DATE: MARCH 2011

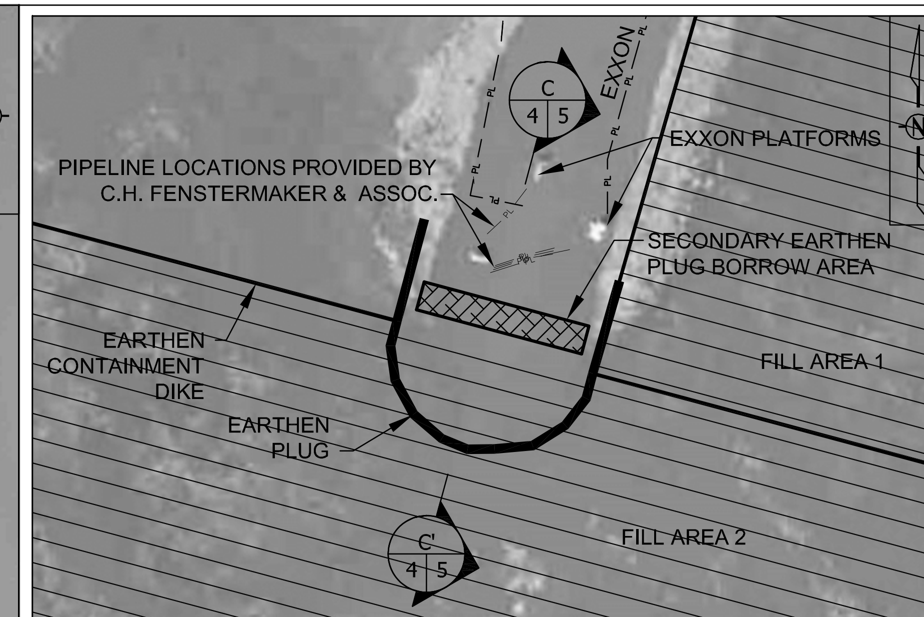
APPROVED BY: DAVID P. HIDALGO, P.E.

SHEET 3 OF 22

BORROW AREA COORDINATES

	NORTHING	EASTING
30	382,278.03	3,171,769.66
31	379,715.25	3,172,721.13
32	381,510.99	3,178,681.87
33	382,322.15	3,178,489.48
34	382,299.28	3,177,164.47
35	382,238.08	3,176,679.40
36	383,165.83	3,174,027.74





EARTHEN PLUG DETAIL

300' 150' 0' 300' 600'

NOTES:

1. BACKGROUND IMAGERY WAS TAKEN IN THE FALL OF 2005.
2. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
3. ALL PIPELINES LOCATED WITHIN 150' OF THE DIKE ALIGNMENT, FILL AREA, OR BORROW AREA SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
4. EXISTING SPOIL BANK TO BE IMPROVED.
5. NO EXCAVATION SHALL OCCUR WITHIN 50.0' OF A WELL OR PIPELINE.
6. EXCAVATION FOR THE EARTHEN PLUG SHALL ONLY TAKE PLACE INSIDE OF THE PROJECT BOUNDARY OR INSIDE THE CANAL AS SHOWN.
7. THE INTERIOR EARTHEN CONTAINMENT DIKE SHALL BE DEGRADED TO +1.8' PRIOR TO DEMOBILIZATION.
8. DREDGING TO THE MAXIMUM PERMITTED DEPTH IN THE BORROW AREA OF -20.0' IS REQUIRED. DREDGING SHALL BEGIN IN THE SOUTHERN END OF THE BORROW AREA AND ADVANCE TO THE NORTH.

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ASBUILT DRAWINGS

LEGEND

- EARTHEN CONTAINMENT DIKE
- EARTHEN PLUG
- MARSH CREATION
- BORROW AREA
- EARTHEN PLUG BORROW AREA
- ADDITIONAL MARSH CREATION
- BENCHMARK

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

EAST MARSH ISLAND
MARSH CREATION

PROJECT LAYOUT

STATE PROJECT NUMBER: TV-21

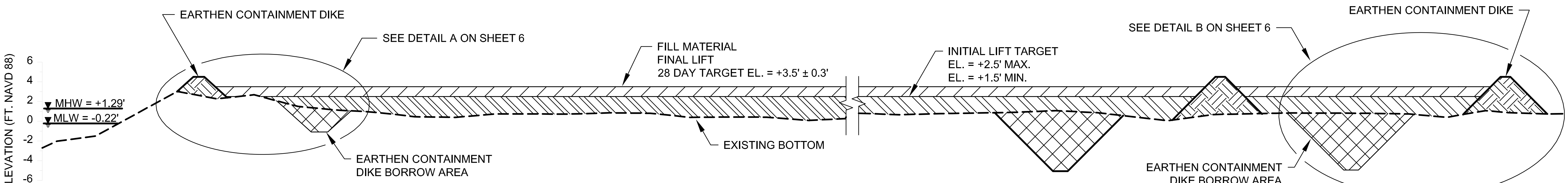
FEDERAL PROJECT NUMBER:

DATE: MARCH 2011

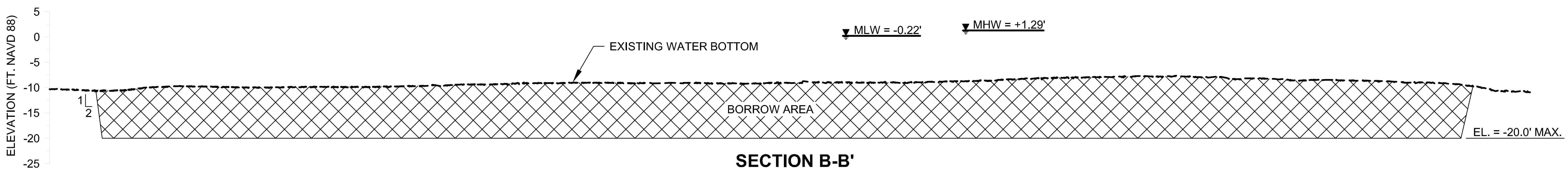
DRAWN BY:

DESIGNED BY:

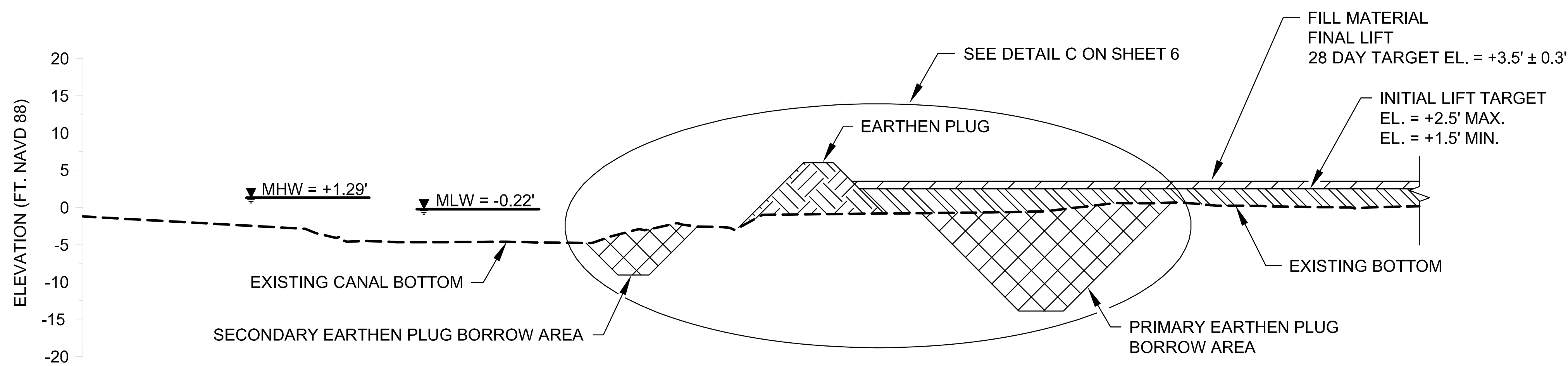
APPROVED BY: DAVID P. HIDALGO, P.E.



SECTION A-A'
TYPICAL MARSH CREATION SECTIONS
TRANSECT 40+00
1" = 50' HORIZONTAL
1" = 10' VERTICAL



SECTION B-B'
TYPICAL BORROW AREA SECTIONS
TRANSECT 15+00
1" = 300' HORIZONTAL
1" = 20' VERTICAL



SECTION C-C'
TYPICAL EARTHEN PLUG
1" = 100' HORIZONTAL
1" = 20' VERTICAL
(SEE NOTE)

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ASBUILT DRAWINGS

NOTES:
1. EXCAVATION FOR THE EARTHEN PLUG SHALL ONLY TAKE PLACE INSIDE OF THE PROJECT BOUNDARY OR INSIDE OF THE CANAL AS SHOWN.
2. DREDGED MATERIAL SHALL BE PLACED IN A MINIMUM OF TWO LIFTS. THE TARGET ELEVATION OF THE INITIAL LIFT IS BETWEEN +1.5' AND +2.5' NAVD88. THE 28-DAY TARGET ELEVATION OF THE FINAL LIFT IS +3.5' NAVD88 WITH A TOLERANCE OF ± 0.3'.

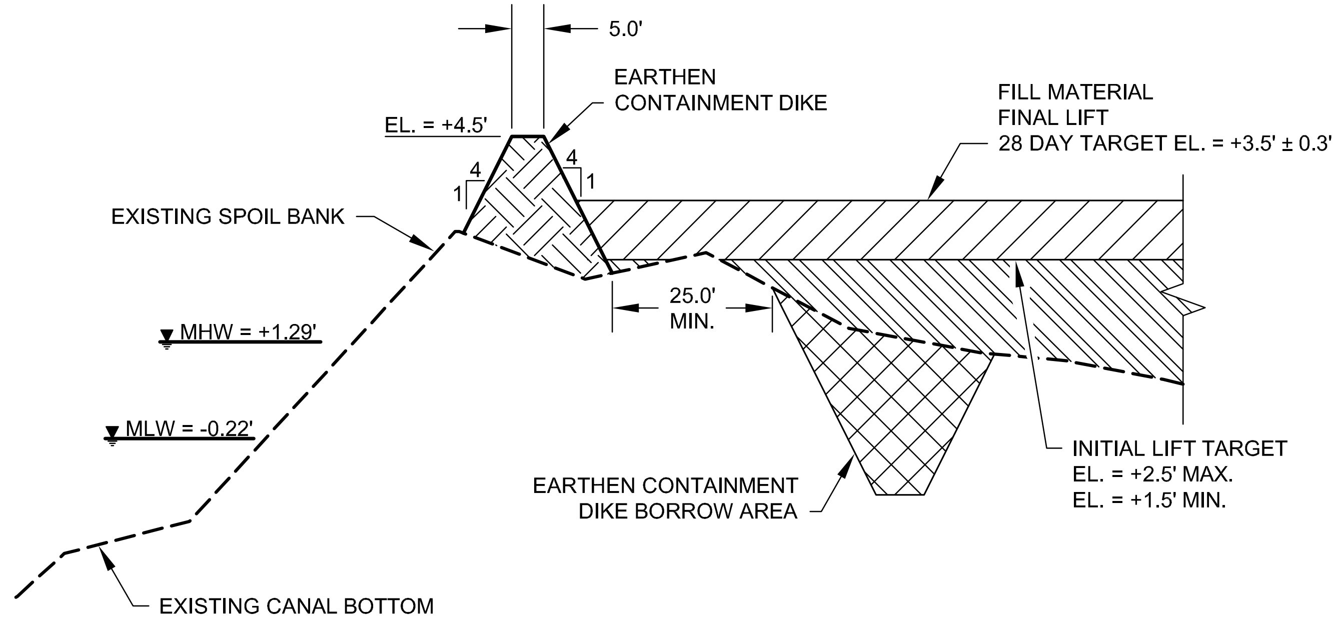
REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

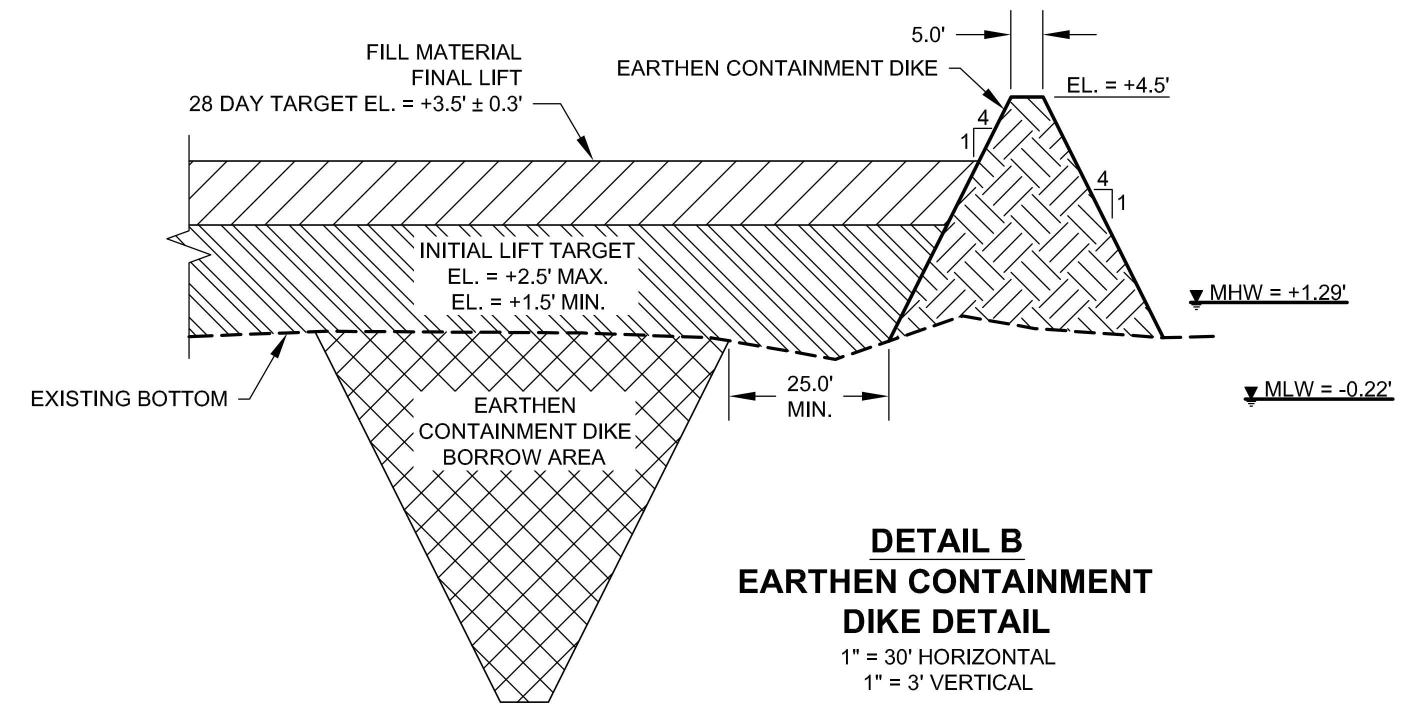
DRAWN BY:
DESIGNED BY:

EAST MARSH ISLAND
MARSH CREATION
STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
APPROVED BY: DAVID P. HIDALGO, P.E.

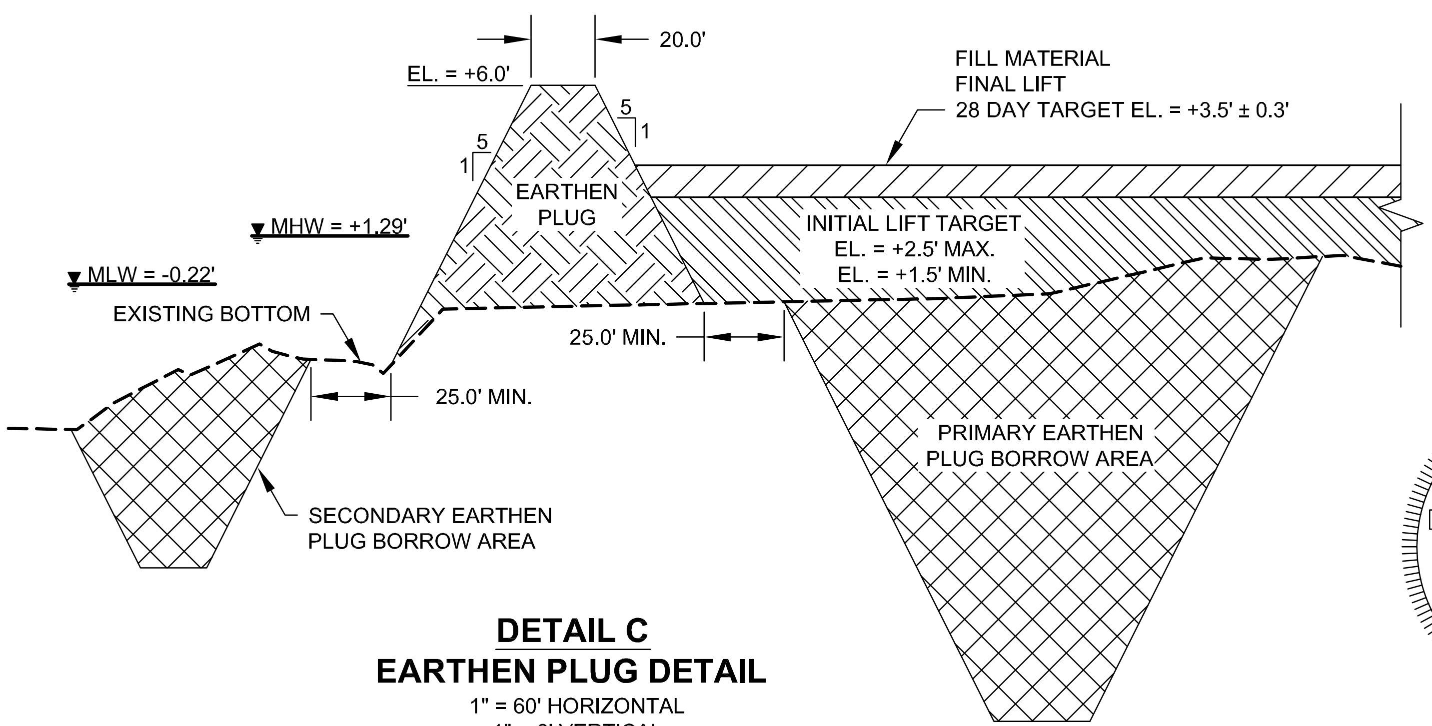
TYPICAL SECTIONS
DATE: MARCH 2011
SHEET 5 OF 22



DETAIL A
EXISTING SPOIL BANK IMPROVEMENT DETAIL
1" = 30' HORIZONTAL
1" = 3' VERTICAL

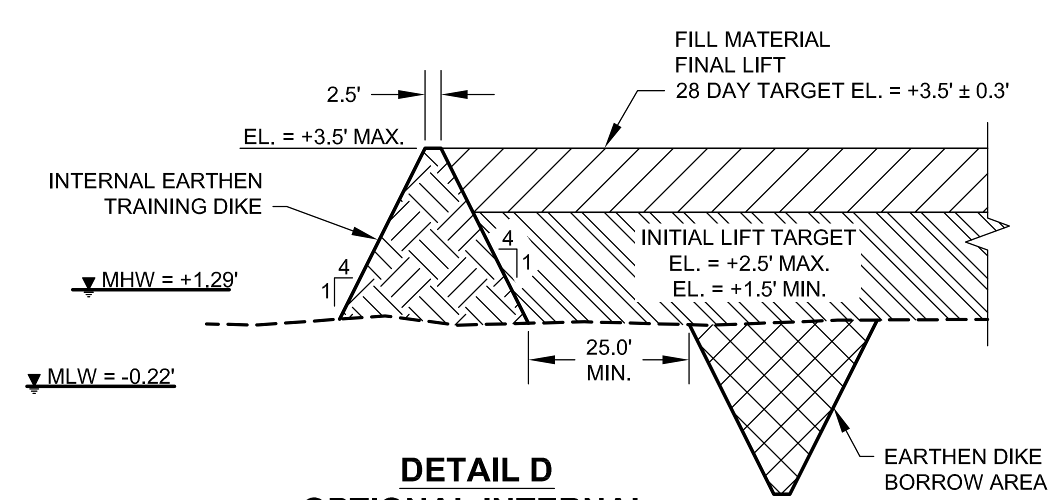


DETAIL B
EARTHEN CONTAINMENT DIKE DETAIL
1" = 30' HORIZONTAL
1" = 3' VERTICAL



DETAIL C
EARTHEN PLUG DETAIL
1" = 60' HORIZONTAL
1" = 6' VERTICAL

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING



DETAIL D
OPTIONAL INTERNAL EARTHEN TRAINING DIKE
1" = 30' HORIZONTAL
1" = 3' VERTICAL
(SEE NOTE)

ASBUILT DRAWINGS

NOTES:
1. INTERNAL TRAINING DIKES MAY BE CONSTRUCTED AT THE CONTRACTOR'S DISCRETION TO HELP WITH PLACEMENT AND DEWATERING OF DREDGED MATERIAL.
2. DREDGED MATERIAL SHALL BE PLACED IN A MINIMUM OF TWO LIFTS. THE TARGET ELEVATION OF THE INITIAL LIFT IS BETWEEN +1.5' AND +2.5' NAVD88. THE 28-DAY TARGET ELEVATION OF THE FINAL LIFT IS +3.5' NAVD88 WITH A TOLERANCE OF ± 0.3'.

REV.	DATE	DESCRIPTION	BY

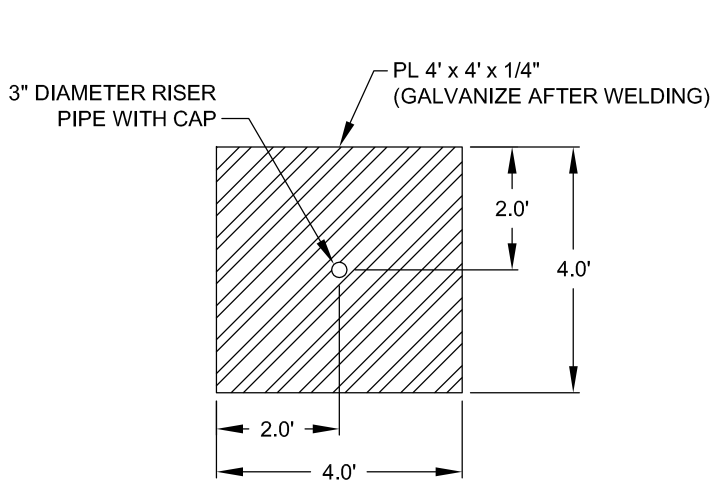
OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

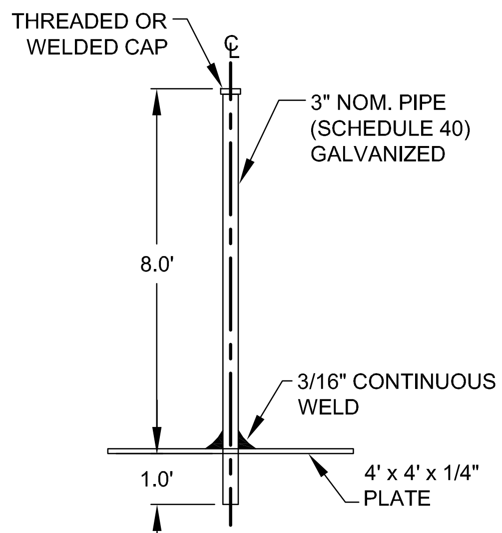
EAST MARSH ISLAND MARSH CREATION

CONTAINMENT DIKE DETAILS

STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
DATE: MARCH 2011

DRAWN BY: | DESIGNED BY: | APPROVED BY: DAVID P. HIDALGO, P.E.

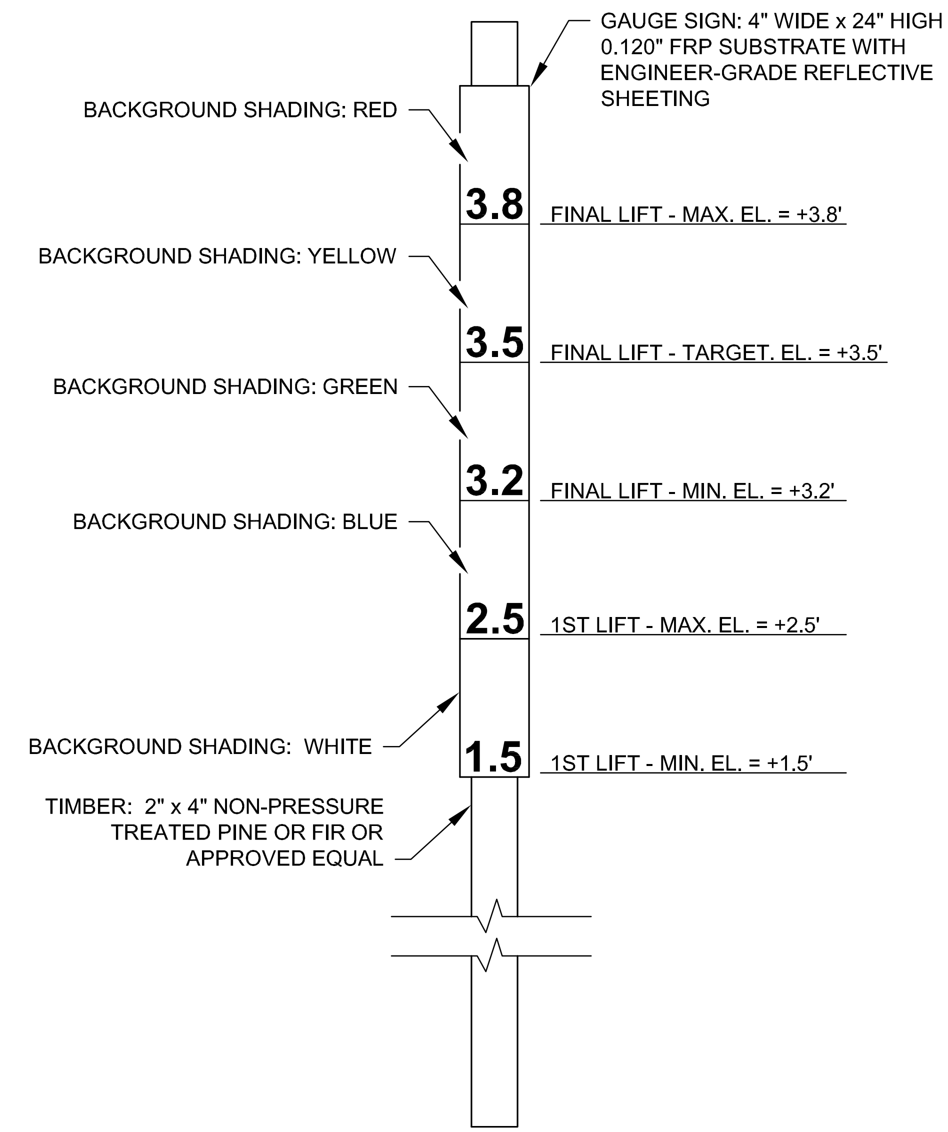




MARSH CREATION SETTLEMENT PLATE
NOT TO SCALE

SETTLEMENT PLATE NOTES:

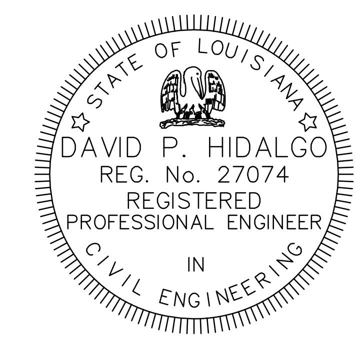
1. SETTLEMENT PLATES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. LOCATION AND ELEVATION WILL BE RECORDED DURING AS-BUILT SURVEY.
3. FOR INSTALLATION METHOD REFER TO TS-4 OF THE PROJECT SPECIFICATIONS.
4. SEE SHEET 9 FOR SETTLEMENT PLATE LOCATIONS.



GRADE STAKE
NOT TO SCALE

GRADE STAKE NOTES:

1. SEE SPECIFICATION TS-4 "GRADE STAKES" FOR PLACEMENT DETAILS.
2. THE SIGNS SHALL HAVE THE DIMENSIONS, NUMBERING , AND SHADING AS SHOWN.
3. THE GAUGE SIGN SHALL BE CONSTRUCTED OF 0.120" THICK FIBERGLASS REINFORCED PLASTIC (FRP) WHICH HAS BEEN UV STABILIZED FOR OUTDOOR WEATHERABILIY. THE FRP MATERIAL SHALL BE WHITE OR GRAY IN COLOR AND BE TOTALLY DIELECTRIC AND NON-CONDUCTIVE. THE FRP MATERIAL STRENGTH AND IMPACT RESISTANCE SHOULD NOT BE APPRECIABLY AFFECTED OVER A TEMPERATURE RANGE OF -65 TO + 212 DEGREES FAHRENHEIT.
4. THE GRADE STAKES SHALL HAVE ELEVATION DELINEATIONS FOR FILL ELEVATIONS AS STATED IN TS-4 OF THE TECHNICAL SPECIFICATIONS WITH BACKGROUND SHADING AS SHOWN.
5. THIS WORK CONSISTS OF FURNISHING , ASSEMBLING, AND INSTALLING THE REQUIRED MATERIAL FOR GRADE STAKES IN ACCORDANCE WITH SPECIFICATIONS TS-4 "GRADE STAKES". THE GRADE STAKES SHALL BE USED BY THE CONTRACTOR TO MONITOR ELEVATIONS OF THE MARSH FILL WITHIN THE FILL AREA. IF MARSH FILL AREAS ARE DEEMED INACCESSIBLE AFTER PLACEMENT OF THE FILL, THE CONTRACTOR SHALL USE THE GRADE STAKES TO DETERMINE ELEVATIONS AND VOLUMES. IN SUCH CASE THE CONTRACTOR SHALL DETERMINE MARSH ELEVATION FROM VISUAL INSPECTIONS OF THE GRADE STAKES UNDER DIRECT SUPERVISION OF THE INSPECTOR.

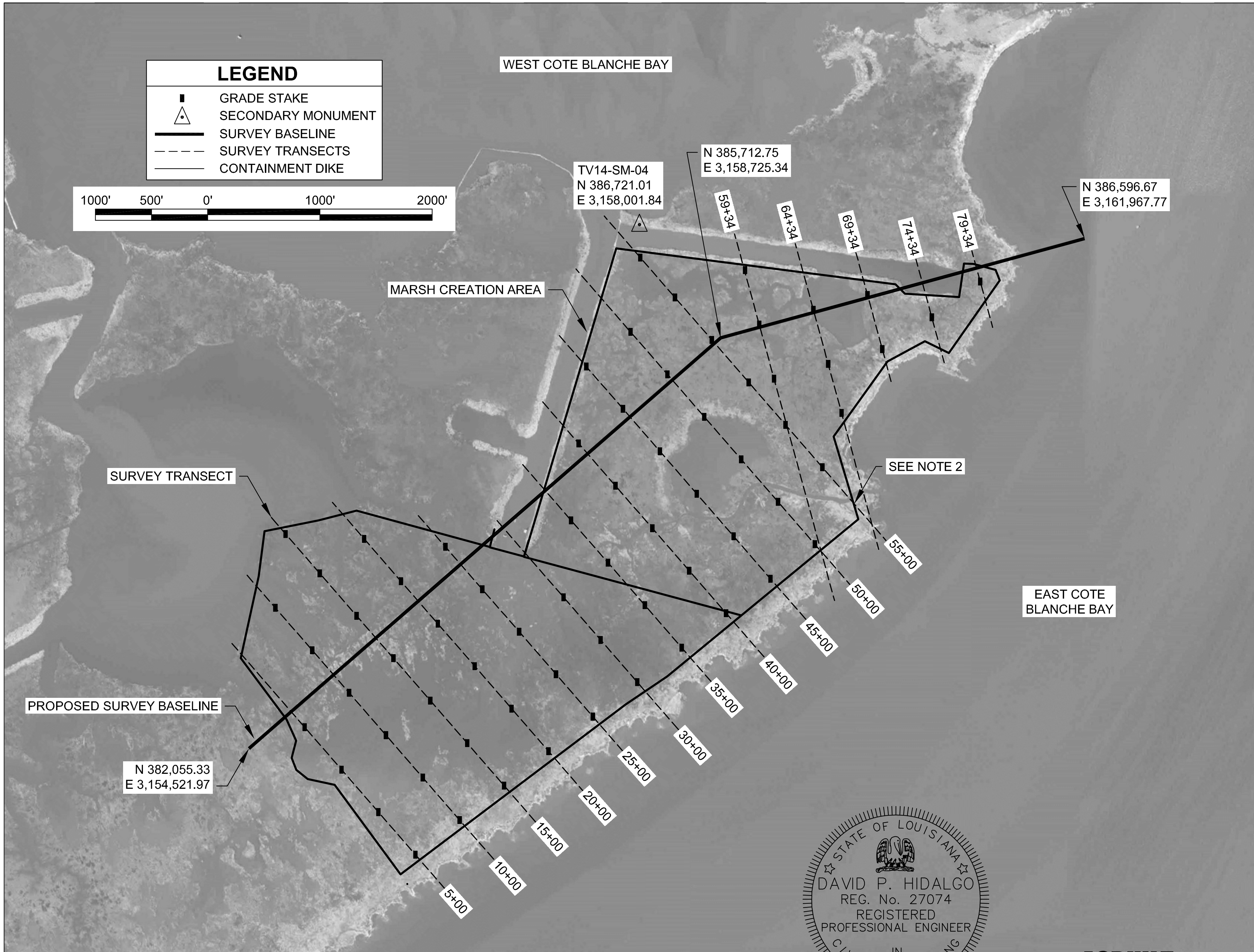


ASBUILT DRAWINGS

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY:	DESIGNED BY:	EAST MARSH ISLAND MARSH CREATION	DETAILS
		STATE PROJECT NUMBER: TV-21	
		FEDERAL PROJECT NUMBER:	DATE: MARCH 2011
		APPROVED BY: DAVID P. HIDALGO, P.E.	SHEET 7 OF 22



TRANSECT COORDINATES

TRANSECT	NORTHING	EASTING	NORTHING	EASTING
5+00	382,990.43	3,154,371.87	380,808.00	3,156,268.04
10+00	383,599.09	3,154,505.41	381,070.38	3,156,702.44
15+00	384,112.05	3,154,722.08	381,396.11	3,157,081.80
20+00	384,247.95	3,155,266.37	381,678.61	3,157,498.71
25+00	384,129.03	3,156,032.05	382,031.01	3,157,854.89
30+00	384,085.44	3,156,732.29	382,223.36	3,158,350.13
35+00	384,584.07	3,156,961.41	382,649.45	3,158,642.28
40+00	385,141.58	3,157,139.39	382,871.81	3,159,111.45
45+00	385,732.56	3,157,288.28	383,206.96	3,159,482.62
50+00	386,325.36	3,157,435.59	383,517.41	3,159,875.24
55+00	386,796.99	3,157,688.19	383,907.08	3,160,199.04
59+34	386,638.03	3,158,848.57	383,828.53	3,160,133.77
59+35	383,374.40	3,159,739.44	386,551.14	3,159,390.58
69+34	386,471.47	3,159,930.62	385,323.52	3,160,243.98
74+34	386,413.02	3,160,464.87	385,491.58	3,160,716.40
79+34	386,486.74	3,160,963.04	385,805.23	3,161,149.07

GRADE STAKES COORDINATES

TRANSECT	NORTHING	EASTING	TRANSECT	NORTHING	EASTING
5+00	382,245.94	3,155,018.71	40+00	384,773.03	3,157,459.60
	381,867.92	3,155,347.15		384,395.01	3,157,788.04
	381,489.91	3,155,675.58		384,016.99	3,158,116.47
	381,110.50	3,156,005.23		383,638.97	3,158,444.91
10+00	383,308.99	3,154,757.46		383,260.95	3,158,773.34
	382,930.97	3,155,085.89	45+00	385,456.90	3,157,527.79
	382,552.95	3,155,414.33		385,080.04	3,157,855.22
	382,174.93	3,155,742.77		384,702.02	3,158,183.65
	381,796.92	3,156,071.20		384,324.00	3,158,512.09
	381,418.90	3,156,399.64		383,945.98	3,158,840.53
15+00	383,966.33	3,154,848.69		383,567.96	3,159,168.96
	383,616.00	3,155,153.07	50+00	385,765.07	3,157,922.40
	383,237.98	3,155,481.51		385,387.05	3,158,250.83
	382,859.96	3,155,809.95		385,009.71	3,158,578.68
	382,481.94	3,156,138.38		384,631.01	3,158,907.71
	382,103.92	3,156,466.82		384,252.99	3,159,236.14
	381,725.91	3,156,795.25		383,874.97	3,159,564.58
20+00	383,923.01	3,155,548.69	55+00	386,427.77	3,158,008.97
	383,544.99	3,155,877.13		386,072.08	3,158,318.02
	383,166.97	3,156,205.56		385,694.06	3,158,646.45
	382,788.95	3,156,534.00		385,316.04	3,158,974.89
	382,410.93	3,156,862.44		384,938.02	3,159,303.32
	382,032.92	3,157,190.87		384,560.00	3,159,631.76
25+00	383,852.00	3,156,272.75	59+34	386,314.98	3,158,942.19
	383,473.98	3,156,601.18		385,831.25	3,159,068.80
	383,095.96	3,156,929.62		385,348.90	3,159,200.46
	382,717.94	3,157,258.05	64+34	385,962.92	3,159,551.15
	382,339.93	3,157,586.49		385,480.56	3,159,682.82
30+00	383,402.97	3,157,325.24		385,043.61	3,159,802.09
	383,022.54	3,157,655.77	69+34	386,094.58	3,160,033.50
	382,646.94	3,157,982.11		385,612.23	3,160,165.17
35+00	384,088.00	3,157,392.42	74+34	385,895.36	3,160,606.18
	383,709.98	3,157,720.85	79+34	386,214.25	3,161,037.42
	383,331.96	3,158,049.29			
	382,953.94	3,158,377.73			

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ASBUILT DRAWINGS

NOTES:

1. GRADE STAKES SHALL BE INSTALLED AT THE COORDINATES LISTED IN THE GRADE STAKE COORDINATES TABLE.
2. THE CONTAINMENT DIKE CROSSING THE SMALL BAYOU NEAR THE END OF CROSS SECTION 55+00 SHALL BE FIELD FIT TO MINIMIZE THE AMOUNT OF MATERIAL REQUIRED. APPROVAL BY THE ENGINEER IS REQUIRED TO FINALIZE THE ALIGNMENT.
3. SEE APPENDIX E OF THE SPECIFICATIONS FOR BENCHMARK DATA SHEETS.
4. SEE SHEETS 10 - 13 FOR FILL AREA CROSS-SECTIONS.

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY:
DESIGNED BY:

EAST MARSH ISLAND
MARSH CREATION

STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
APPROVED BY: DAVID P. HIDALGO, P.E.

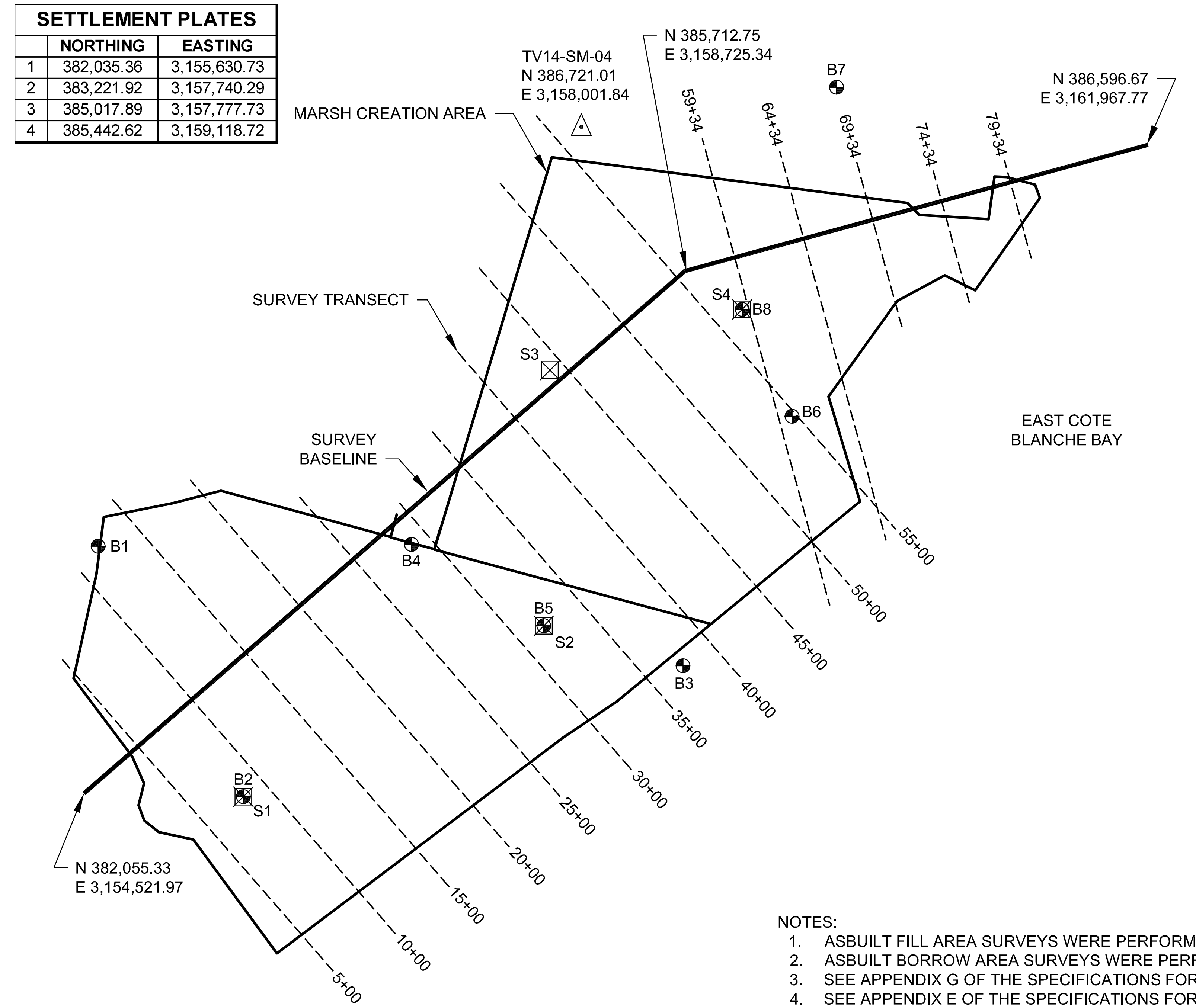
SURVEY AND GRADE STAKE LAYOUT
DATE: MARCH 2011

SOIL BORINGS

	NORTHING	EASTING
B1	383,786.05	3,154,620.86
B2	382,032.10	3,155,637.03
B3	382,949.23	3,158,713.46
B4	383,798.47	3,156,813.25
B5	383,229.29	3,157,739.10
B6	384,695.67	3,159,476.21
B7	386,999.58	3,159,787.66
B8	385,444.24	3,159,127.70

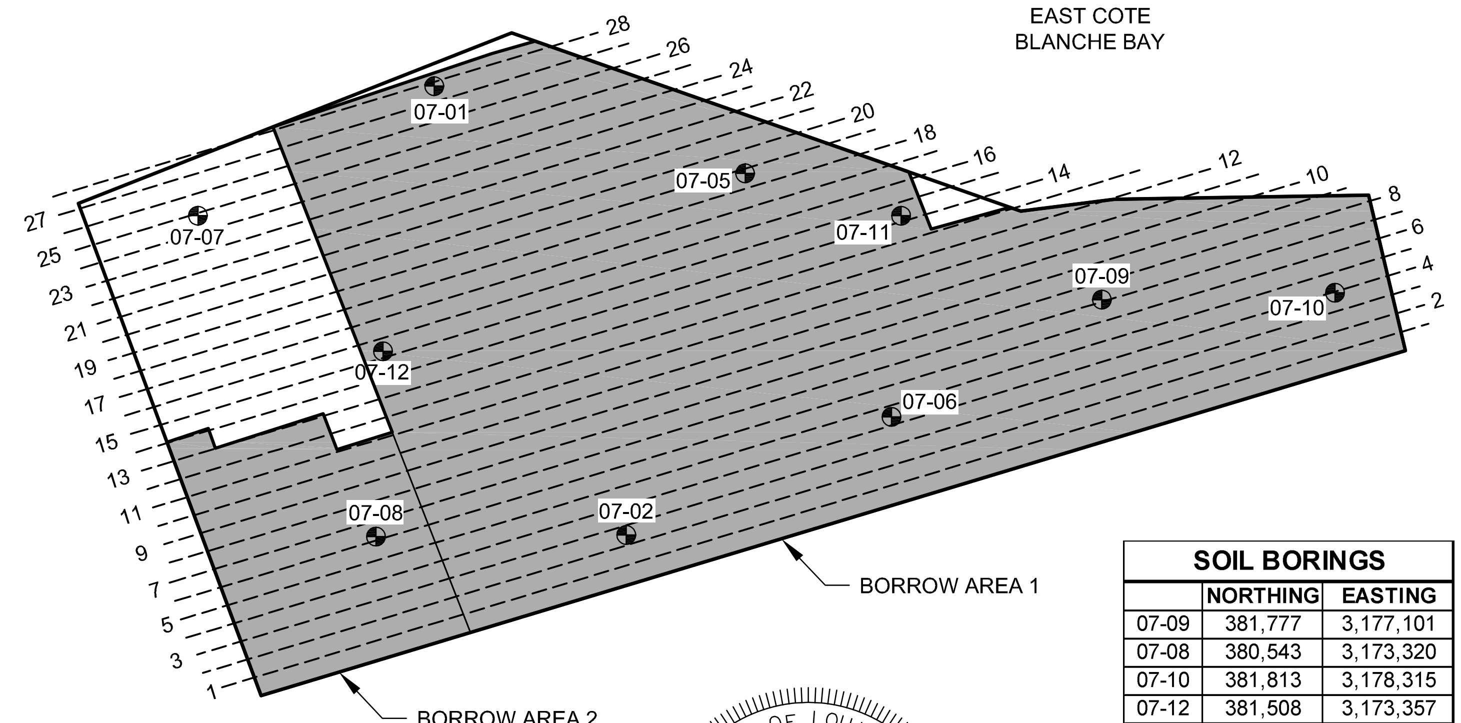
SETTLEMENT PLATES

	NORTHING	EASTING
1	382,035.36	3,155,630.73
2	383,221.92	3,157,740.29
3	385,017.89	3,157,777.73
4	385,442.62	3,159,118.72



BORROW AREA TRANSECTS

	BEGINNING OF TRANSECT		END OF TRANSECT			BEGINNING OF TRANSECT		END OF TRANSECT	
	NORTHING	EASTING	NORTHING	EASTING		NORTHING	EASTING	NORTHING	EASTING
1	379,737.09	3,172,446.94	381,651.81	3,178,802.63	15	381,077.58	3,172,043.11	382,438.54	3,176,560.67
2	379,832.84	3,172,418.10	381,749.28	3,178,779.51	16	381,173.33	3,172,014.26	382,494.66	3,176,400.27
3	379,928.59	3,172,389.25	381,846.76	3,178,756.39	17	381,269.08	3,171,985.42	382,550.78	3,176,239.87
4	380,015.68	3,172,331.68	381,944.23	3,178,733.27	18	381,364.83	3,171,956.57	382,606.90	3,176,079.48
5	380,111.43	3,172,302.84	382,041.70	3,178,710.15	19	381,460.58	3,171,927.73	382,663.02	3,175,919.08
6	380,207.18	3,172,273.99	382,139.18	3,178,687.04	20	381,556.33	3,171,898.88	382,719.13	3,175,758.69
7	380,302.93	3,172,245.15	382,236.65	3,178,663.92	21	381,652.08	3,171,870.04	382,775.25	3,175,598.29
8	380,407.33	3,172,245.03	382,306.77	3,178,549.98	22	381,747.83	3,171,841.19	382,831.37	3,175,437.89
9	380,503.08	3,172,216.18	382,357.48	3,178,371.64	23	381,843.57	3,171,812.34	382,887.49	3,175,277.50
10	380,598.83	3,172,187.34	382,388.64	3,178,128.40	24	381,939.32	3,171,783.50	382,943.61	3,175,117.10
11	380,694.58	3,172,158.49	382,428.97	3,177,915.60	25	382,035.07	3,171,754.65	382,999.73	3,174,956.71
12	380,790.33	3,172,129.64	382,457.94	3,177,665.08	26	382,122.17	3,171,697.08	383,055.84	3,174,796.31
13	380,886.08	3,172,100.80	382,451.59	3,177,297.34	27	382,217.92	3,171,668.24	383,111.96	3,174,635.91
14	380,981.83	3,172,071.95	382,403.25	3,176,790.19	28	382,313.67	3,171,639.39	383,168.08	3,174,475.52



SOIL BORINGS

	NORTHING	EASTING
07-09	381,777	3,177,101
07-08	380,543	3,173,320
07-10	381,813	3,178,315
07-12	381,508	3,173,357
07-11	382,214	3,176,055
07-02	380,551	3,174,624
07-01	382,889	3,173,624
07-05	382,435	3,175,243
07-07	382,214	3,172,393
07-06	381,166	3,176,005

LEGEND

- SURVEY BASELINE
- SURVEY TRANSECTS
- SOIL BORING
- SETTLEMENT PLATE
- SECONDARY MONUMENT
- ACTUAL DREDGED AREA

NOTES:
1. ASBUILT FILL AREA SURVEYS WERE PERFORMED BY T. BAKER SMITH, LLC.
2. ASBUILT BORROW AREA SURVEYS WERE PERFORMED BY T. BAKER SMITH, LLC.
3. SEE APPENDIX G OF THE SPECIFICATIONS FOR BORING LOG INFORMATION.
4. SEE APPENDIX E OF THE SPECIFICATIONS FOR BENCHMARK DATA SHEETS.
5. SEE SHEETS 10 - 13 FOR FILL AREA CROSS-SECTIONS.
6. SEE SHEETS 14 - 18 FOR BORROW AREA CROSS-SECTIONS.

1000' 500' 0' 1000' 2000'

ASBUILT DRAWINGS

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

EAST MARSH ISLAND MARSH CREATION

SURVEY TRANSECT, SETTLEMENT PLATE, AND BORING LAYOUT

STATE PROJECT NUMBER: TV-21

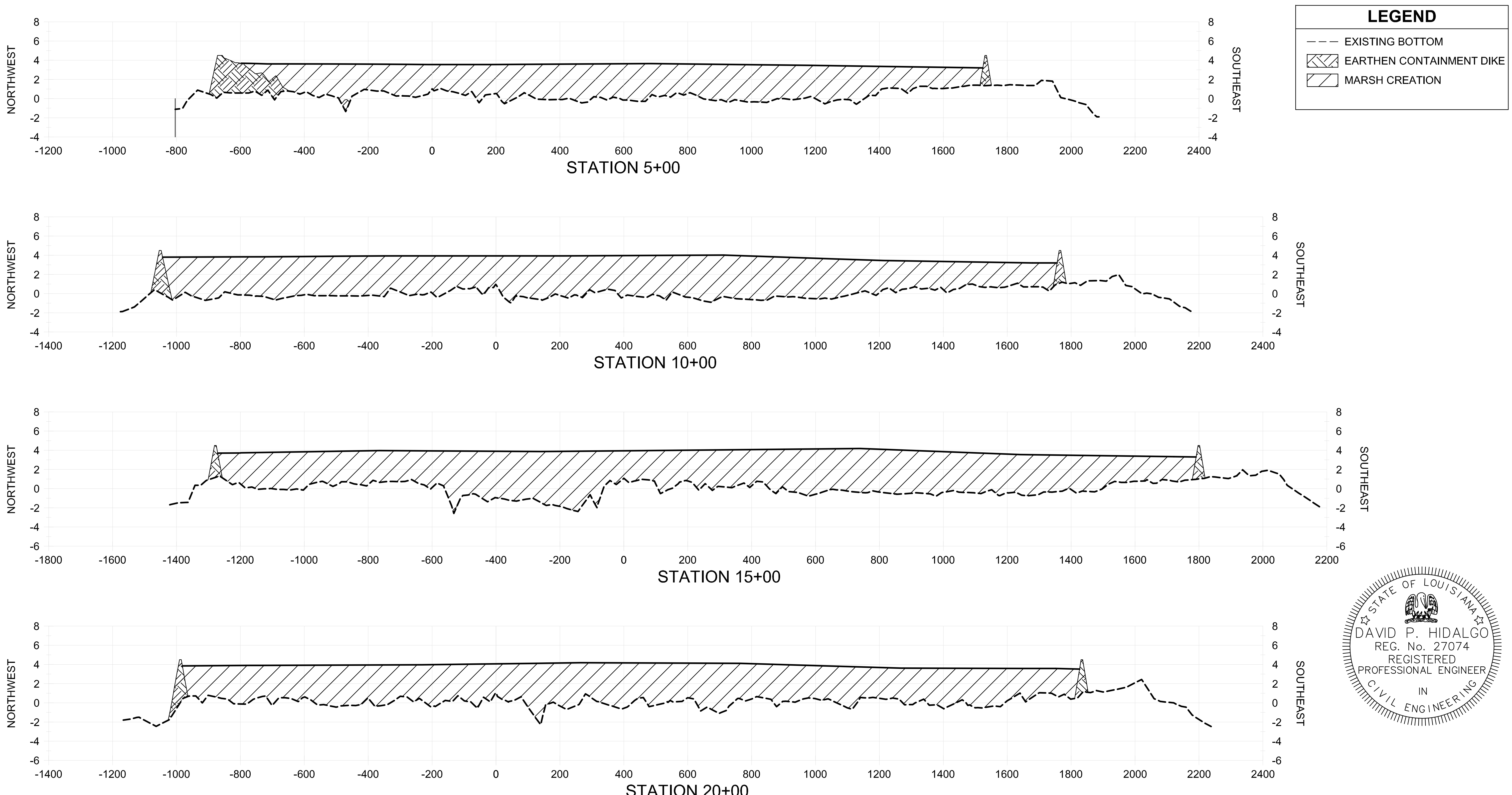
FEDERAL PROJECT NUMBER:

DATE: MARCH 2011

DRAWN BY:

DESIGNED BY:

APPROVED BY: DAVID P. HIDALGO, P.E.



NOTES:
1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. DREDGED MATERIAL SHALL BE PLACED IN A MINIMUM OF TWO LIFTS. THE TARGET ELEVATION OF THE INITIAL LIFT IS BETWEEN +1.5' AND +2.5' NAVD88. THE 28-DAY TARGET ELEVATION OF THE FINAL LIFT IS +3.5' NAVD88 WITH A TOLERANCE OF ± 0.3'.

ASBUILT DRAWINGS

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

HORIZONTAL GRAPHIC SCALE: 300' 150' 0 300' 600'
VERTICAL GRAPHIC SCALE: 10' 5' 0 10' 20'

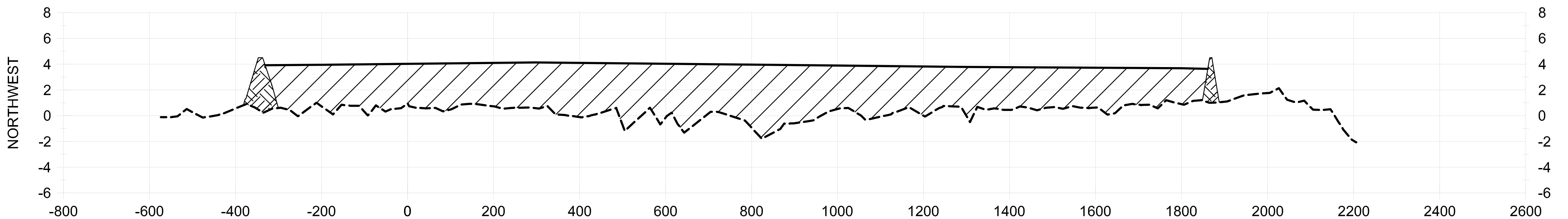
REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

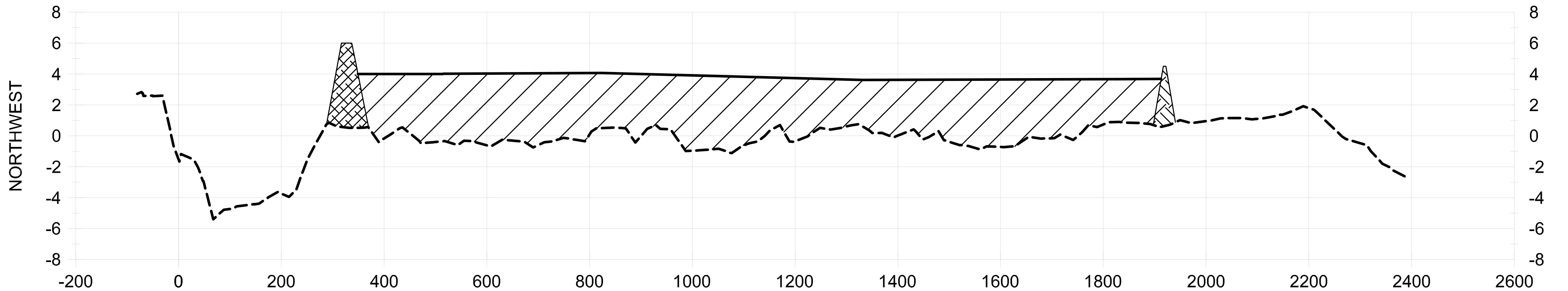
EAST MARSH ISLAND
MARSH CREATION

FILL AREA
SECTIONS

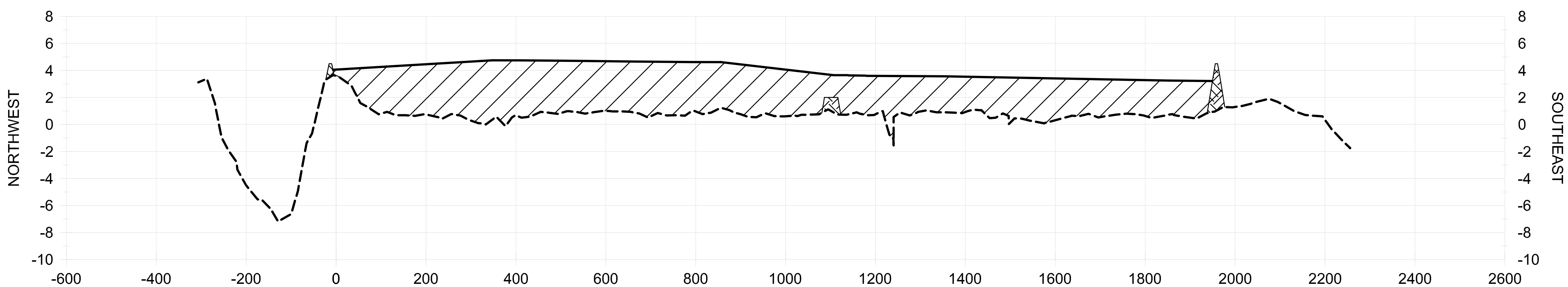
STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
DATE: MARCH 2011
DRAWN BY:
DESIGNED BY:
APPROVED BY: DAVID P. HIDALGO, P.E.
SHEET 10 OF 22



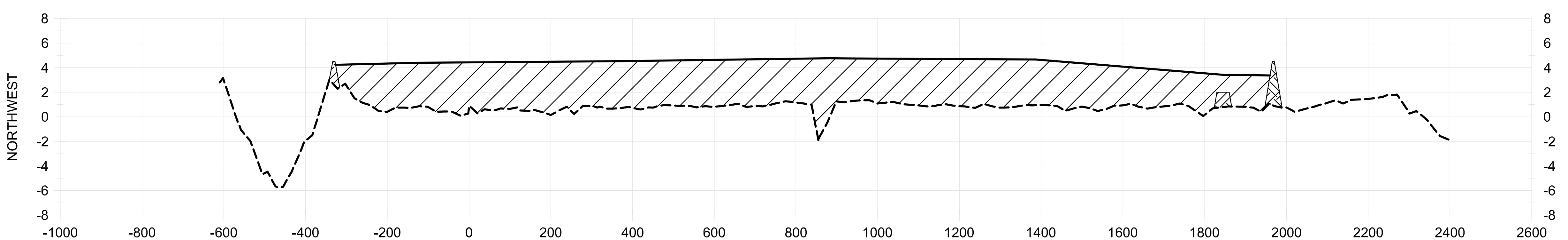
STATION 25+00



STATION 30+00



STATION 35+00

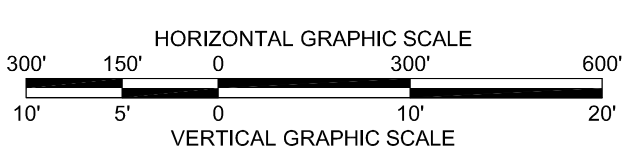


STATION 40+00

NOTES:

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. DREDGED MATERIAL SHALL BE PLACED IN A MINIMUM OF TWO LIFTS. THE TARGET ELEVATION OF THE INITIAL LIFT IS BETWEEN +1.5' AND +2.5' NAVD88. THE 28-DAY TARGET ELEVATION OF THE FINAL LIFT IS +3.5' NAVD88 WITH A TOLERANCE OF ± 0.3'.

ASBUILT DRAWINGS

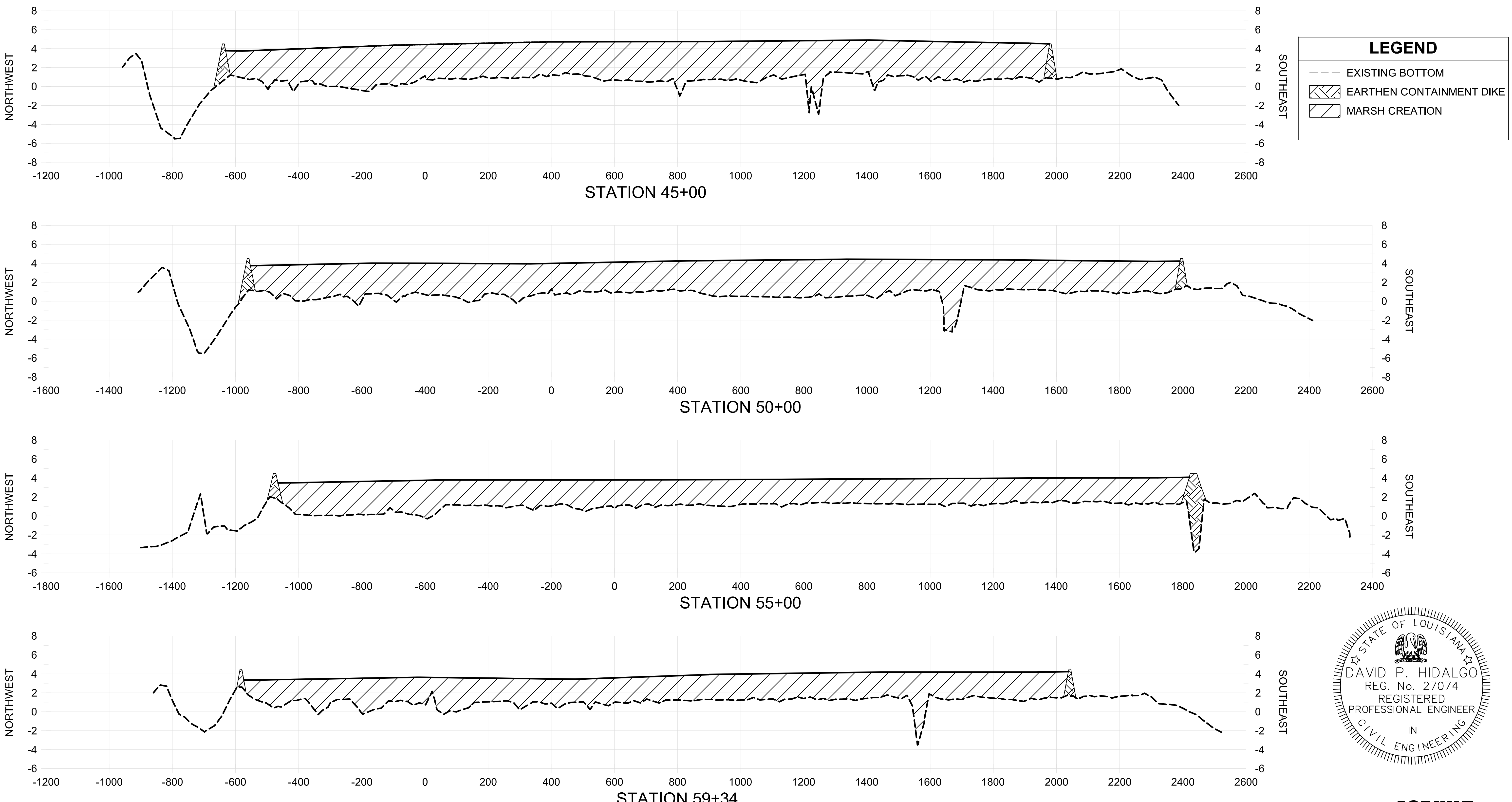


LEGEND

- – – – EXISTING BOTTOM
- EARTHEN CONTAINMENT DIKE
- EARTHEN PLUG
- MARSH CREATION

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	EAST MARSH ISLAND MARSH CREATION	FILL AREA SECTIONS
	STATE PROJECT NUMBER: TV-21	
	FEDERAL PROJECT NUMBER:	DATE: MARCH 2011
DRAWN BY: / DESIGNED BY:	APPROVED BY: DAVID P. HIDALGO, P.E.	SHEET 11 OF 22



STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ASBUILT DRAWINGS

NOTES:

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. DREDGED MATERIAL SHALL BE PLACED IN A MINIMUM OF TWO LIFTS. THE TARGET ELEVATION OF THE INITIAL LIFT IS BETWEEN +1.5' AND +2.5' NAVD88. THE 28-DAY TARGET ELEVATION OF THE FINAL LIFT IS +3.5' NAVD88 WITH A TOLERANCE OF ± 0.3'.

HORIZONTAL GRAPHIC SCALE
300' 150' 0 300' 600'
10' 5' 0 10' 20'
VERTICAL GRAPHIC SCALE

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY:
DESIGNED BY:

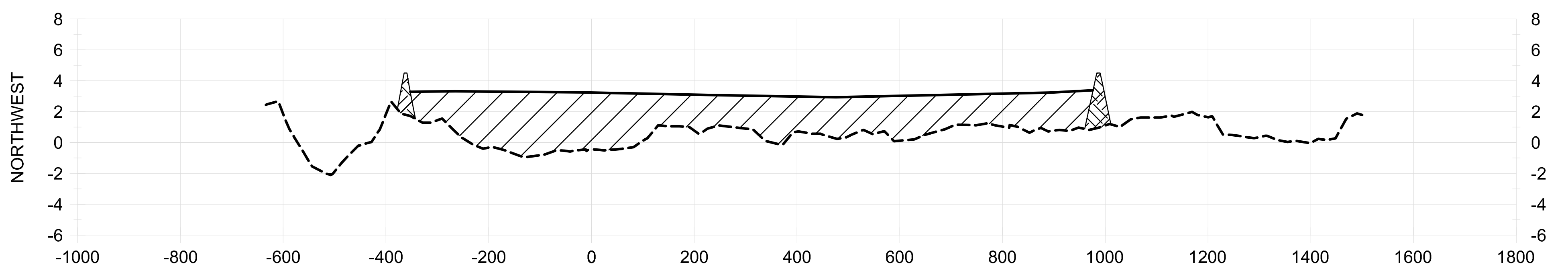
EAST MARSH ISLAND
MARSH CREATION

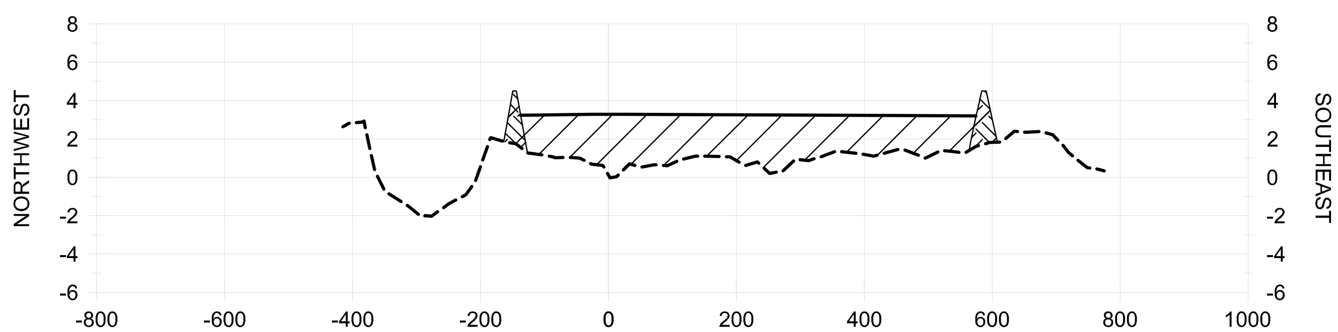
STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
APPROVED BY: DAVID P. HIDALGO, P.E.

FILL AREA
SECTIONS

DATE: MARCH 2011

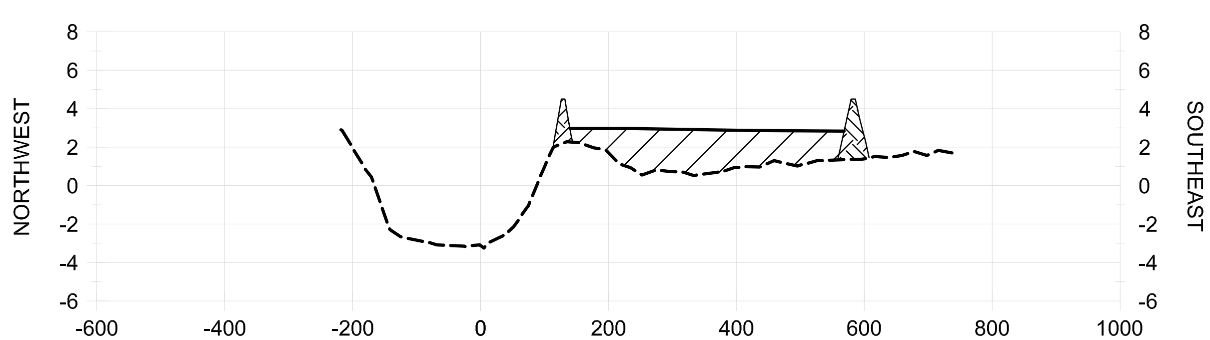
SHEET 12 OF 22

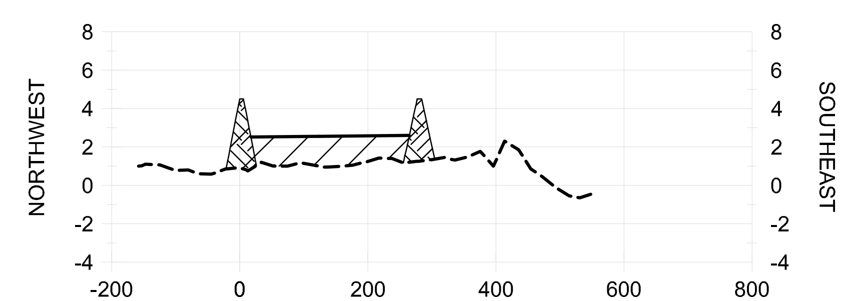




NOTES:

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. DREDGED MATERIAL SHALL BE PLACED IN A MINIMUM OF TWO LIFTS. THE TARGET ELEVATION OF THE INITIAL LIFT IS BETWEEN +1.5' AND +2.5' NAVD88. THE 28-DAY TARGET ELEVATION OF THE FINAL LIFT IS +3.5' NAVD88 WITH A TOLERANCE OF ± 0.3'.





STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

ASBUILT DRAWINGS

HORIZONTAL GRAPHIC SCALE: 300' 150' 0 300' 600'

VERTICAL GRAPHIC SCALE: 10' 5' 0 10' 20'

LEGEND

- – – – EXISTING BOTTOM
- EARTHEN CONTAINMENT DIKE
- MARSH CREATION

REV.	DATE	DESCRIPTION	BY

OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

EAST MARSH ISLAND MARSH CREATION

FILL AREA SECTIONS

STATE PROJECT NUMBER: TV-21

FEDERAL PROJECT NUMBER:

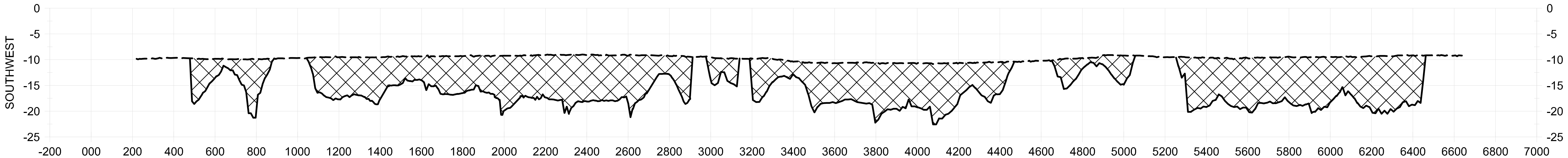
DATE: MARCH 2011

DRAWN BY:

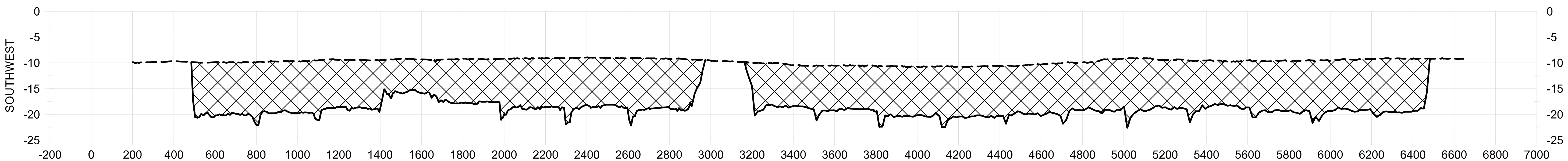
DESIGNED BY:

APPROVED BY: DAVID P. HIDALGO, P.E.

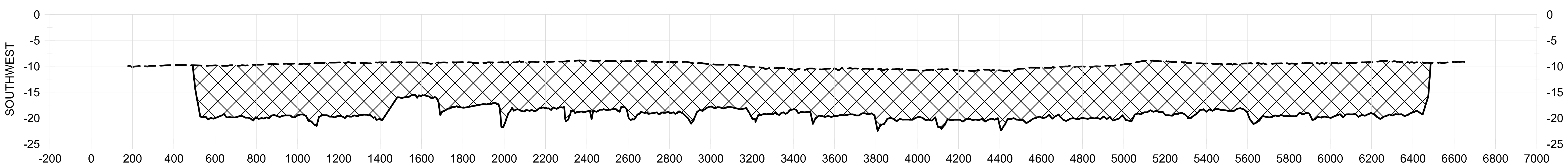
SHEET 13 OF 22



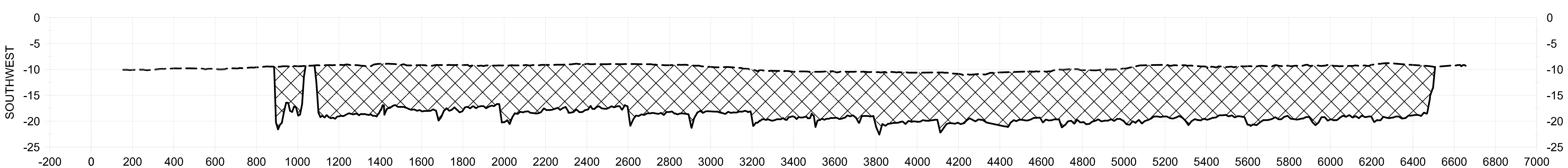
TRANSECT 1



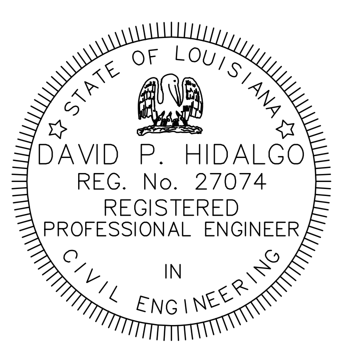
TRANSECT 2

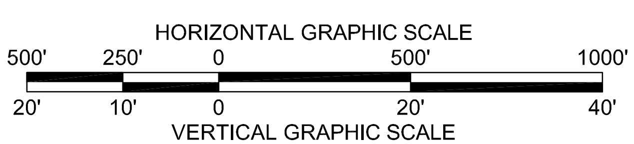


TRANSECT 3



TRANSECT 4





NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

LEGEND

- — — EXISTING BOTTOM
- BORROW AREA

ASBUILT DRAWINGS

REV.	DATE	DESCRIPTION	BY

STATE OF LOUISIANA
OFFICE OF COASTAL PROTECTION AND RESTORATION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY:

DESIGNED BY:

EAST MARSH ISLAND
MARSH CREATION

STATE PROJECT NUMBER: TV-21

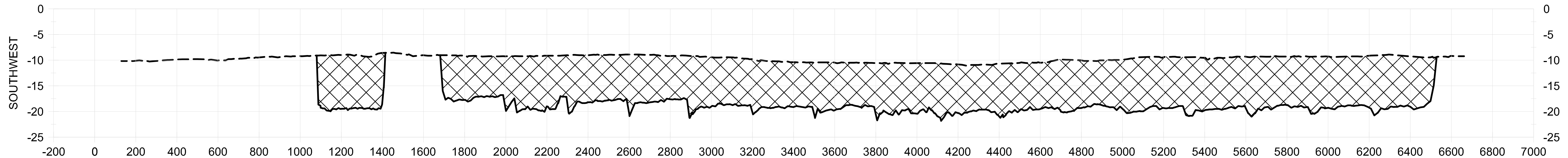
FEDERAL PROJECT NUMBER:

APPROVED BY: DAVID P. HIDALGO, P.E.

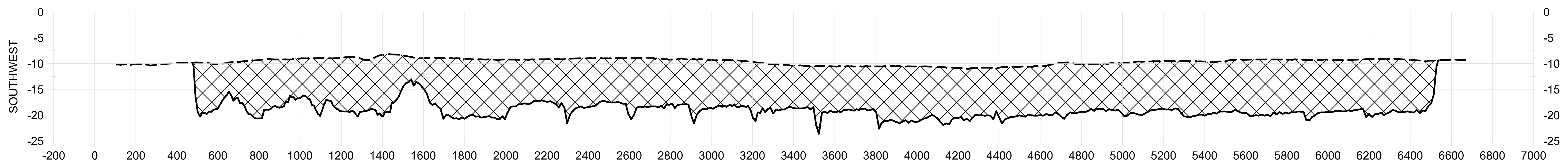
BORROW AREA SECTIONS

DATE: MARCH 2011

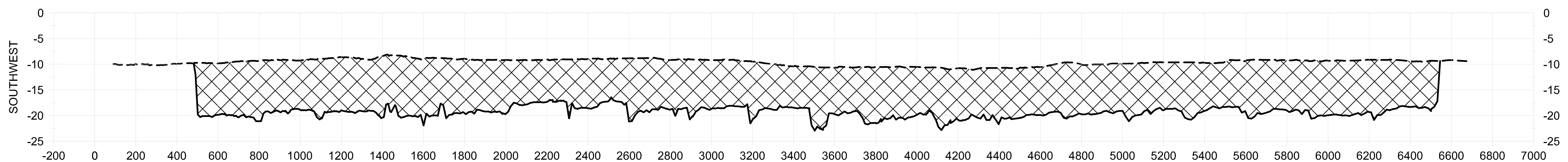
SHEET 14 OF 22



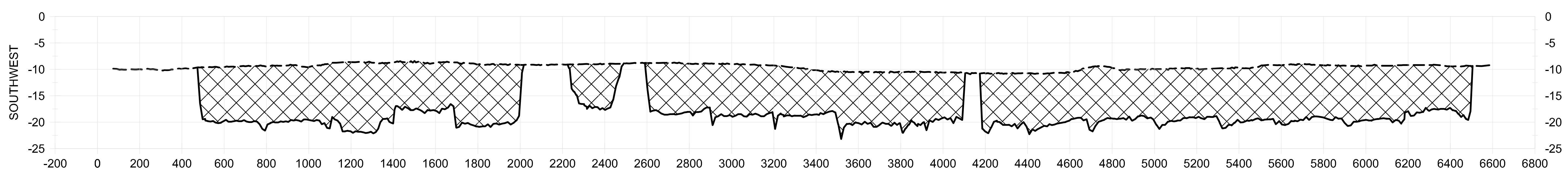
TRANSECT 5



TRANSECT 6



TRANSECT 7



TRANSECT 8

HORIZONTAL GRAPHIC SCALE
500' 250' 0 500' 1000'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

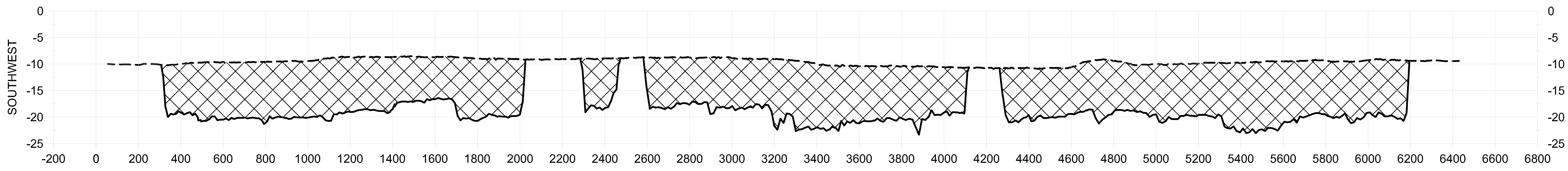
NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

LEGEND
— — EXISTING BOTTOM
BORROW AREA

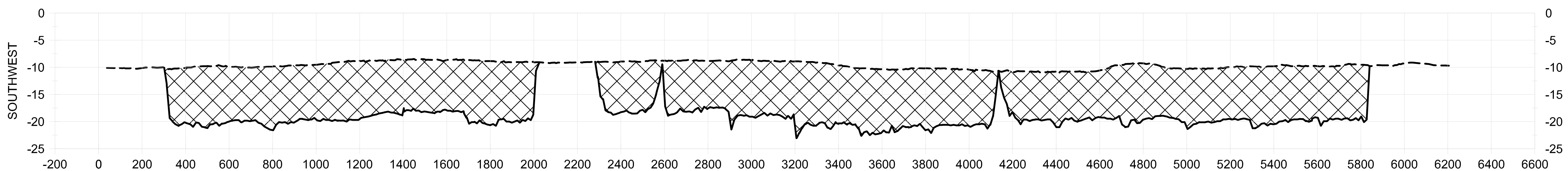
ASBUILT DRAWINGS

REV.	DATE	DESCRIPTION	BY

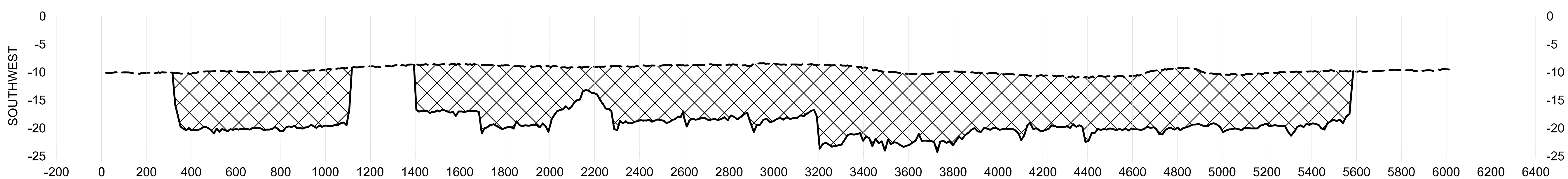
STATE OF LOUISIANA OFFICE OF COASTAL PROTECTION AND RESTORATION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802	EAST MARSH ISLAND MARSH CREATION	BORROW AREA SECTIONS
	STATE PROJECT NUMBER: TV-21	
	FEDERAL PROJECT NUMBER:	DATE: MARCH 2011
DRAWN BY: / DESIGNED BY:	APPROVED BY: DAVID P. HIDALGO, P.E.	SHEET 15 OF 22



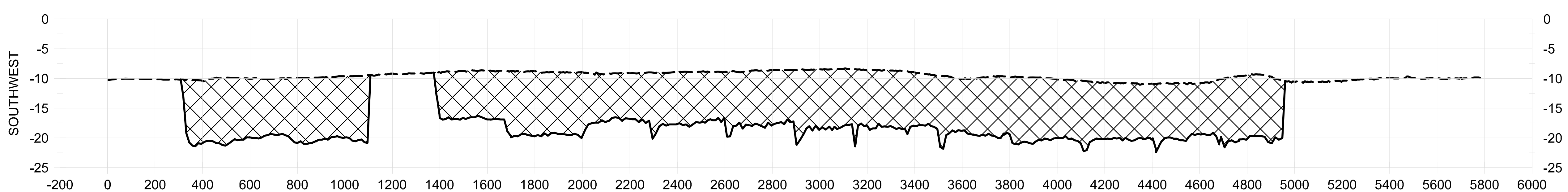
TRANSECT 9



TRANSECT 10



TRANSECT 11



TRANSECT 12

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ASBUILT DRAWINGS

NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

LEGEND

— — EXISTING BOTTOM
BORROW AREA

HORIZONTAL GRAPHIC SCALE
500' 250' 0 500' 1000'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

REV.	DATE	DESCRIPTION	BY

STATE OF LOUISIANA
OFFICE OF COASTAL PROTECTION AND RESTORATION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

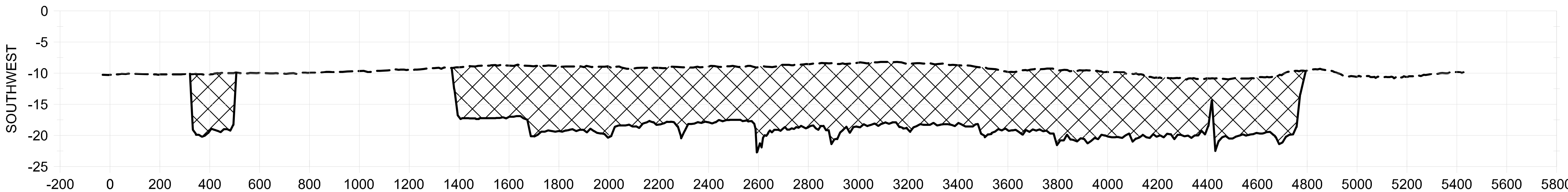
DRAWN BY:
DESIGNED BY:

EAST MARSH ISLAND
MARSH CREATION

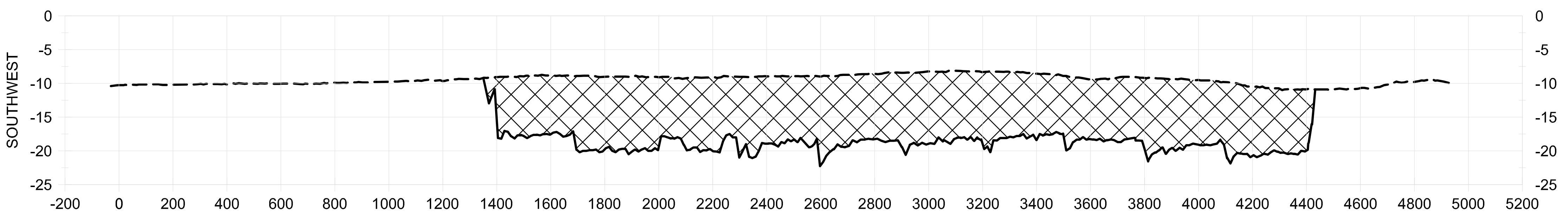
STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
APPROVED BY: DAVID P. HIDALGO, P.E.

BORROW AREA
SECTIONS

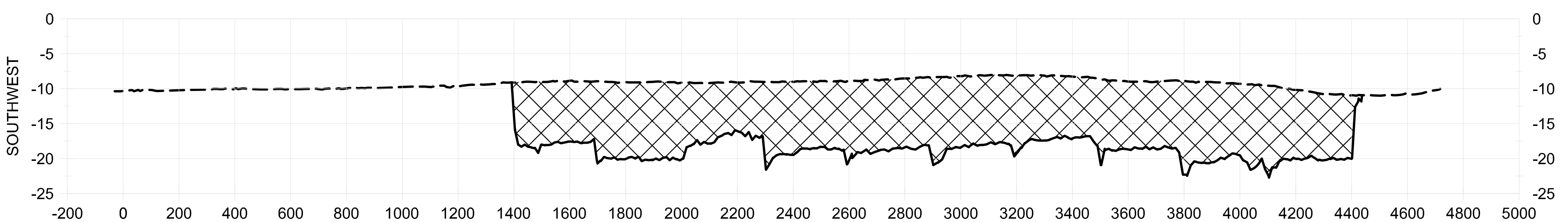
DATE: MARCH 2011
SHEET 16 OF 22



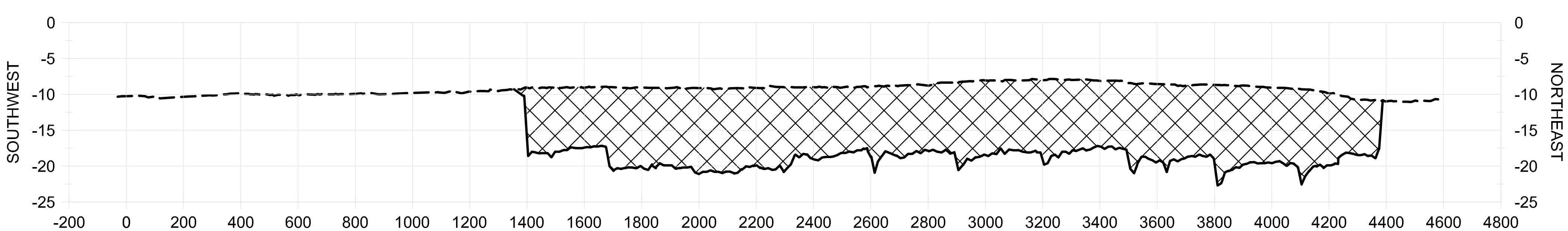
TRANSECT 13



TRANSECT 14



TRANSECT 15



TRANSECT 16

NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

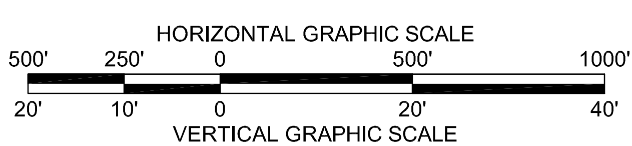
LEGEND

— — EXISTING BOTTOM

BORROW AREA

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

AS BUILT DRAWINGS



REV.	DATE	DESCRIPTION	BY

STATE OF LOUISIANA
OFFICE OF COASTAL PROTECTION AND RESTORATION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

EAST MARSH ISLAND MARSH CREATION

BORROW AREA SECTIONS

STATE PROJECT NUMBER: TV-21

FEDERAL PROJECT NUMBER:

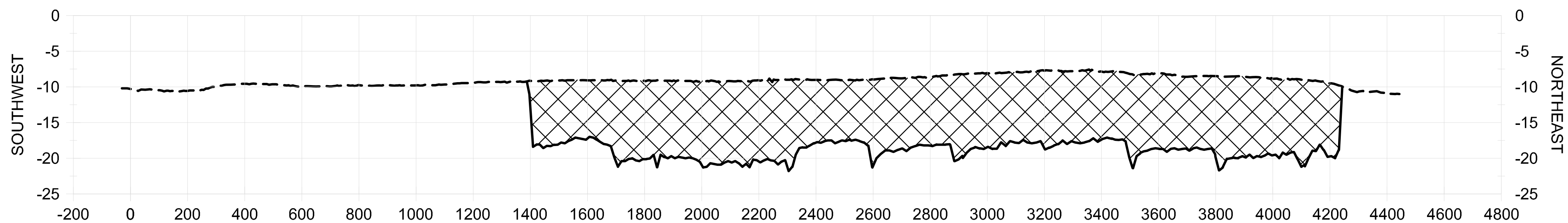
DATE: MARCH 2011

DRAWN BY:

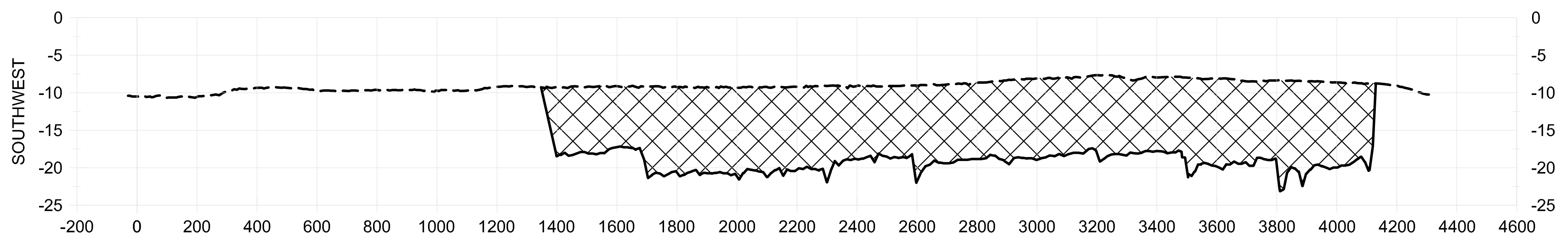
DESIGNED BY:

APPROVED BY: DAVID P. HIDALGO, P.E.

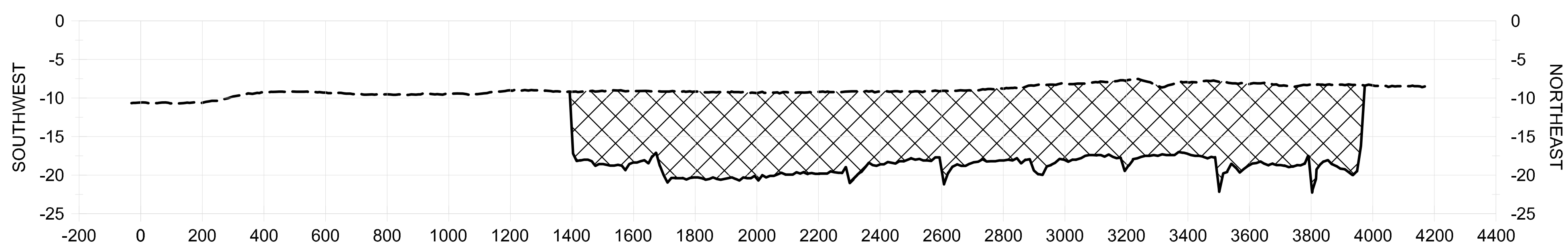
SHEET 17 OF 22



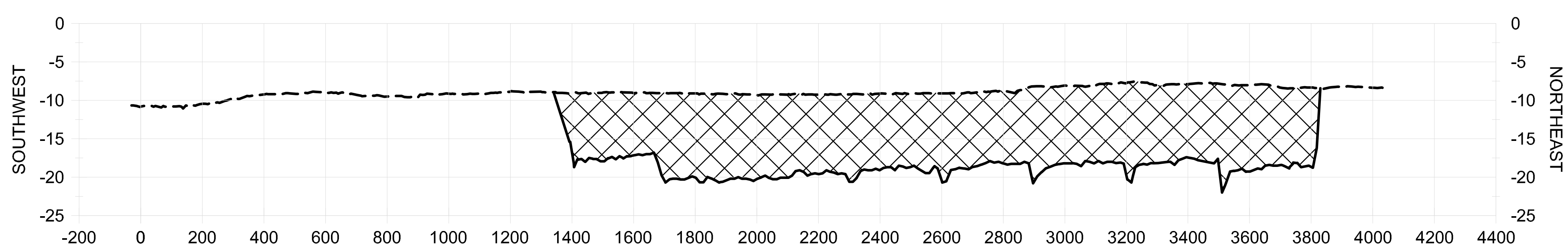
TRANSECT 17



TRANSECT 18



TRANSECT 19



TRANSECT 20

NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

LEGEND

— — EXISTING BOTTOM
BORROW AREA

ASBUILT DRAWINGS

HORIZONTAL GRAPHIC SCALE
500' 250' 0 500' 1000'
20' 10' 0 20' 40'
VERTICAL GRAPHIC SCALE

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY

STATE OF LOUISIANA
OFFICE OF COASTAL PROTECTION AND RESTORATION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

EAST MARSH ISLAND MARSH CREATION

BORROW AREA SECTIONS

STATE PROJECT NUMBER: TV-21

FEDERAL PROJECT NUMBER:

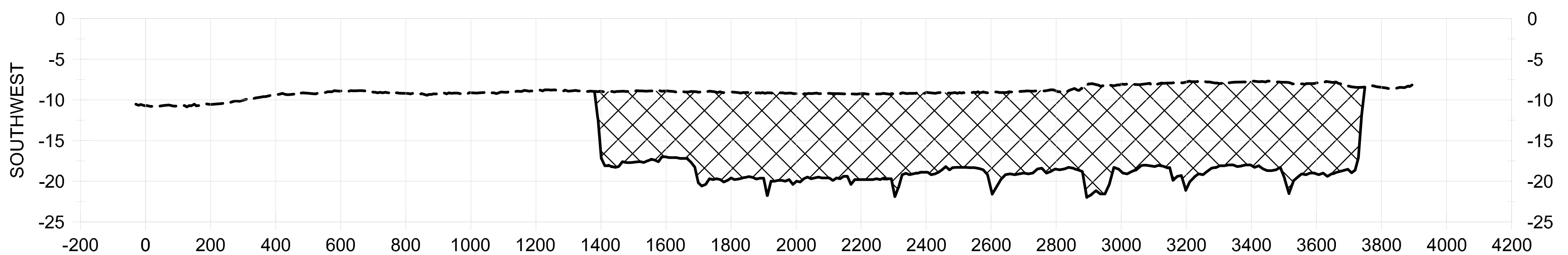
DATE: MARCH 2011

DRAWN BY:

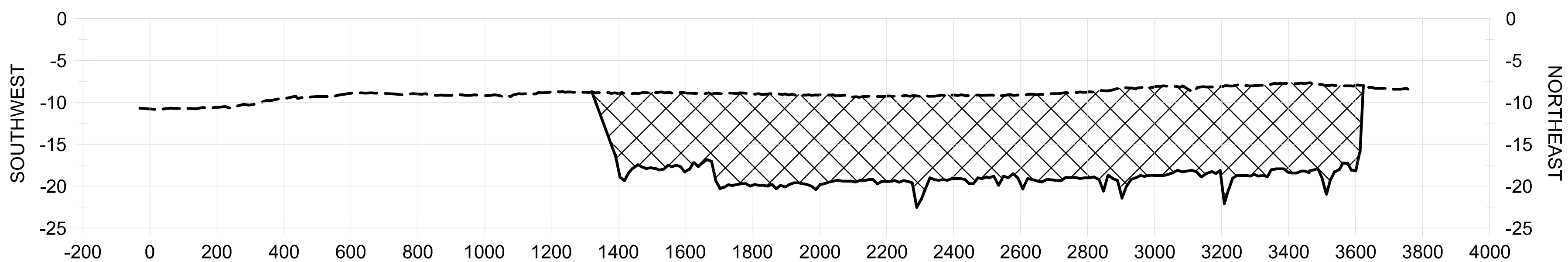
DESIGNED BY:

APPROVED BY: DAVID P. HIDALGO, P.E.

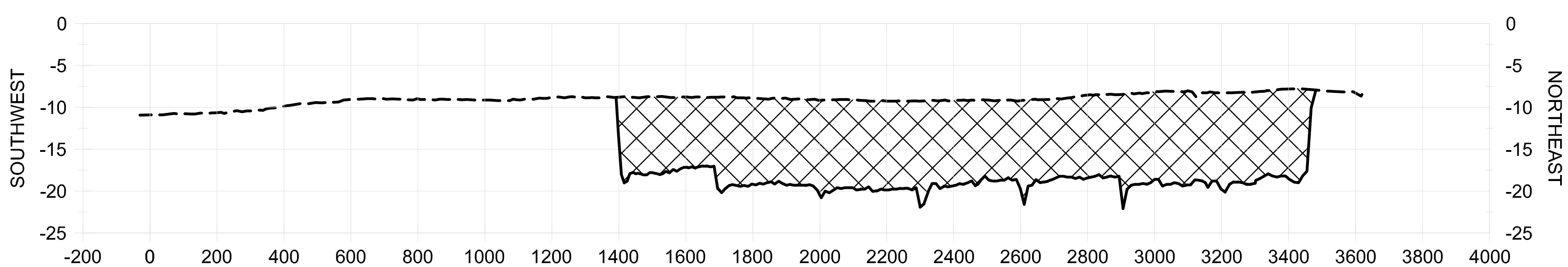
SHEET 18 OF 22



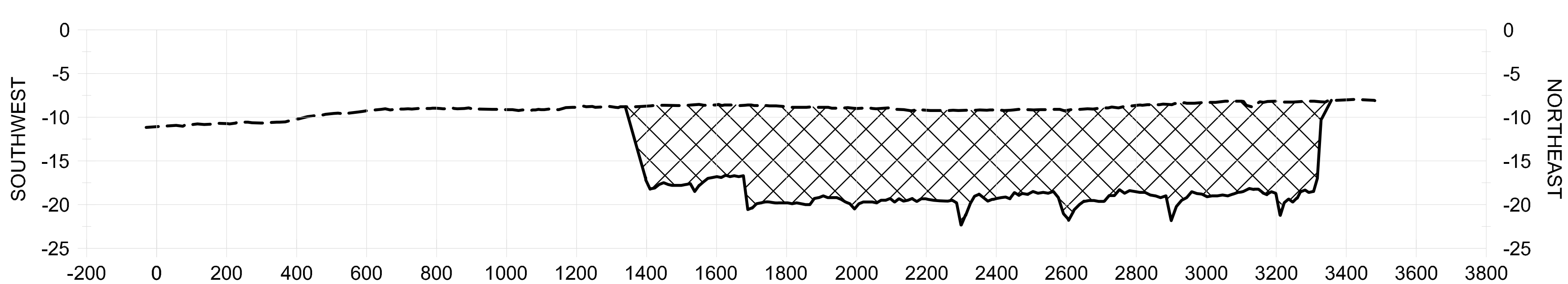
TRANSECT 21



TRANSECT 22



TRANSECT 23



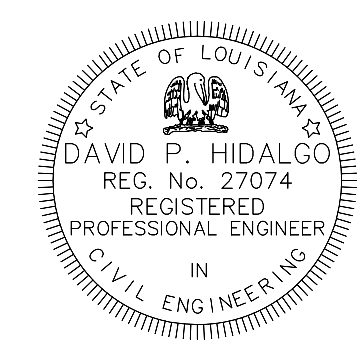
TRANSECT 24

NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

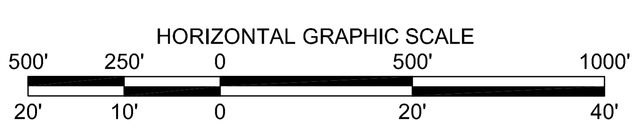
LEGEND

— — EXISTING BOTTOM

BORROW AREA



ASBUILT DRAWINGS



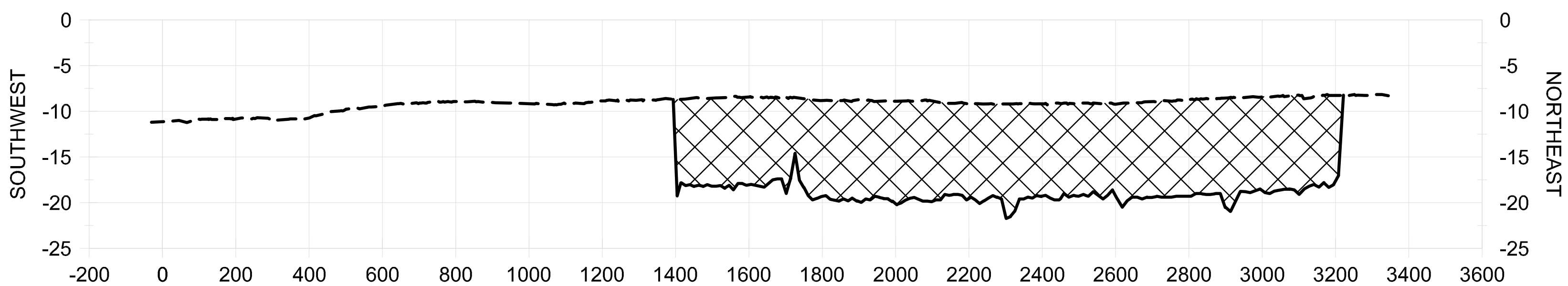
REV.	DATE	DESCRIPTION	BY

STATE OF LOUISIANA
OFFICE OF COASTAL PROTECTION AND RESTORATION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

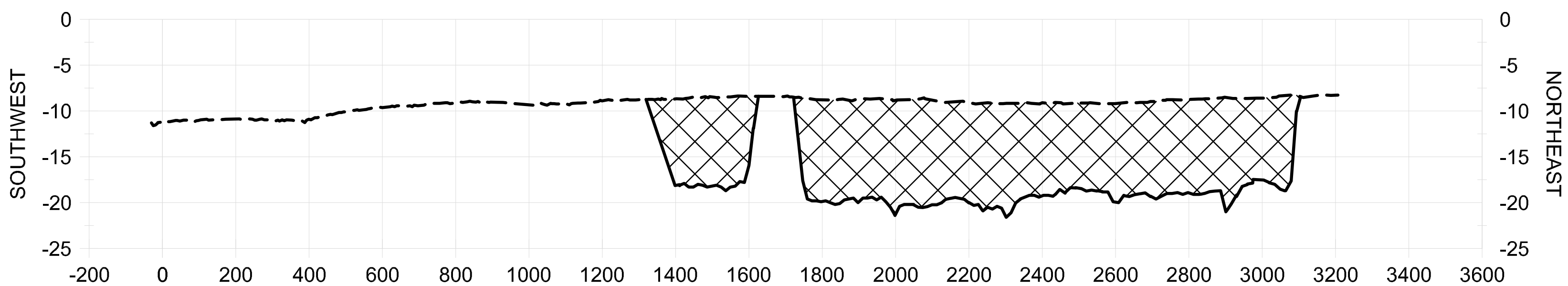
DRAWN BY:
DESIGNED BY:

EAST MARSH ISLAND MARSH CREATION
STATE PROJECT NUMBER: TV-21
FEDERAL PROJECT NUMBER:
APPROVED BY: DAVID P. HIDALGO, P.E.

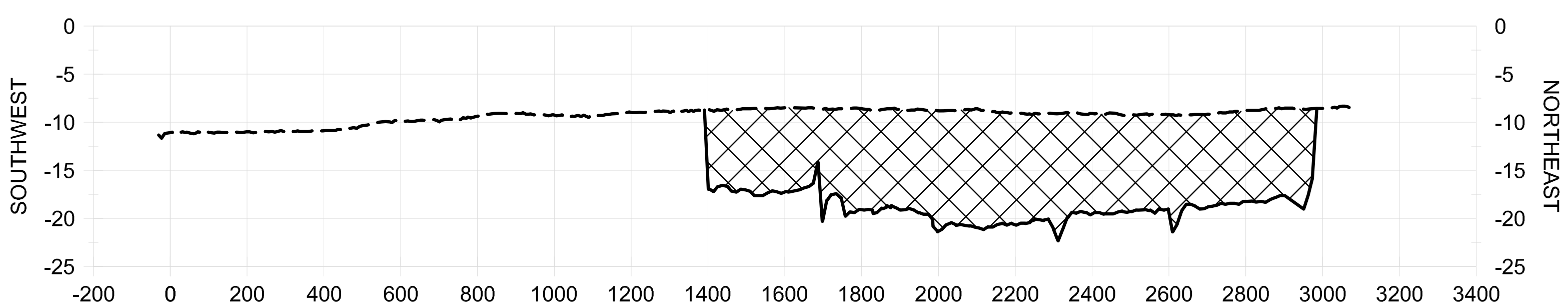
BORROW AREA SECTIONS
DATE: MARCH 2011
SHEET 19 OF 22



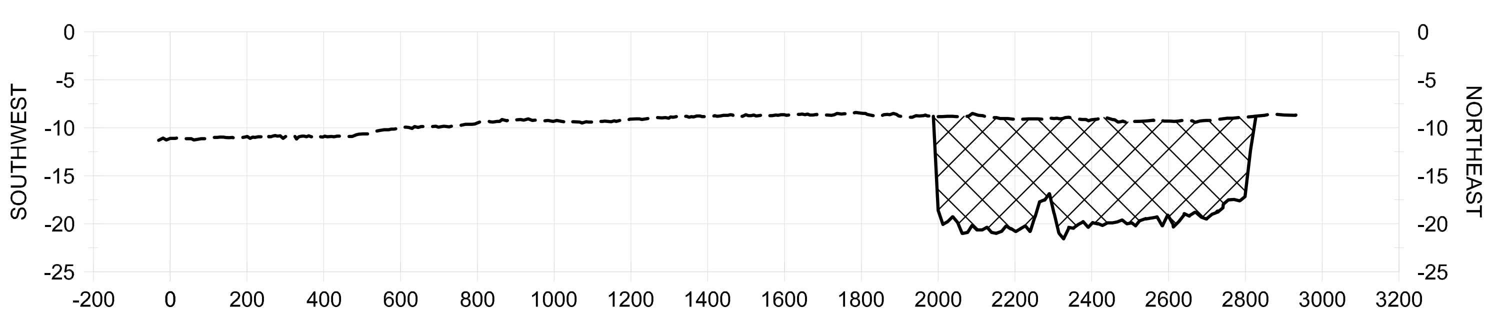
TRANSECT 25



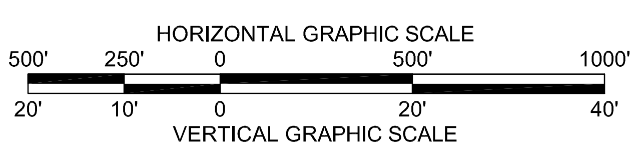
TRANSECT 26



TRANSECT 27



TRANSECT 28



NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

LEGEND

— — EXISTING BOTTOM

BORROW AREA

STATE OF LOUISIANA
DAVID P. HIDALGO
REG. No. 27074
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

AS BUILT DRAWINGS

REV.	DATE	DESCRIPTION	BY

STATE OF LOUISIANA OFFICE OF COASTAL PROTECTION AND RESTORATION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		EAST MARSH ISLAND MARSH CREATION	BORROW AREA SECTIONS
		STATE PROJECT NUMBER: TV-21	
		FEDERAL PROJECT NUMBER:	DATE: MARCH 2011
DRAWN BY:	DESIGNED BY:	APPROVED BY: DAVID P. HIDALGO, P.E.	SHEET 20 OF 22

ALTERNATE AREA ELEVATIONS

DESCRIPTION	EASTING	NORTHING	ELEV
ALT-AREA-1-1	3149622.034	379097.327	3.68
ALT-AREA-1-2	3149620.286	378226.547	3.578
ALT-AREA-1-3	3149598.15	377606.192	3.302
ALT-AREA-2-1	3150015.133	377719.98	2.741
ALT-AREA-2-2	3150816.455	378093.701	2.957
ALT-AREA-2-3	3152116.289	378350.139	3.027
ALT-AREA-2-4	3152816.831	378676.602	2.815
ALT-AREA-2-5	3153865.983	379666.967	2.611
ALT-AREA-2-6	3153675.544	379944.915	2.772
ALT-AREA-2-7	3153428.331	380567.94	2.926
ALT-AREA-2-8	3152972.315	380917.51	2.528
ALT-AREA-2-9	3152487.836	381382.035	2.157
ALT-AREA-2-10	3152269.68	381818.645	1.854
ALT-AREA-2-11	3152116.411	382373.359	1.272
ALT-AREA-2-12	3150677.756	382410.425	1.47
ALT-AREA-2-13	3150434.091	382013.705	2.481
ALT-AREA-2-14	3149926.009	381504.112	2.587
ALT-AREA-2-15	3149733.976	380859.811	2.793
ALT-AREA-2-16	3149994.85	380224.9	3.313
ALT-AREA-2-17	3150111.458	379446.827	2.919
ALT-AREA-2-18	3151506.31	378861.752	3.999
ALT-AREA-2-19	3152142.755	380065.707	4.673

ALTERNATE AREA 1 CONTAINMENT LEVEE LENGTH

AREA	SEGMENT	LENGTH
1	A	1998.92'
1	B	1976.88'
	TOTAL	3975.80'

ALTERNATE AREA 2 CONTAINMENT LEVEE LENGTH

AREA	SEGMENT	LENGTH
2	A	218.84'
2	B	136.49'
2	C	131.13'
2	D	490.35'
2	E	207.49'
	TOTAL	1184.30'

NOTES:

DATE	REVISIONS	DRAWN BY	APPROVED BY

REVISIONS

T. BAKER SMITH
PROFESSIONAL CONSULTANTS SINCE 1913
(985) 868-1050 www.tbsmith.com

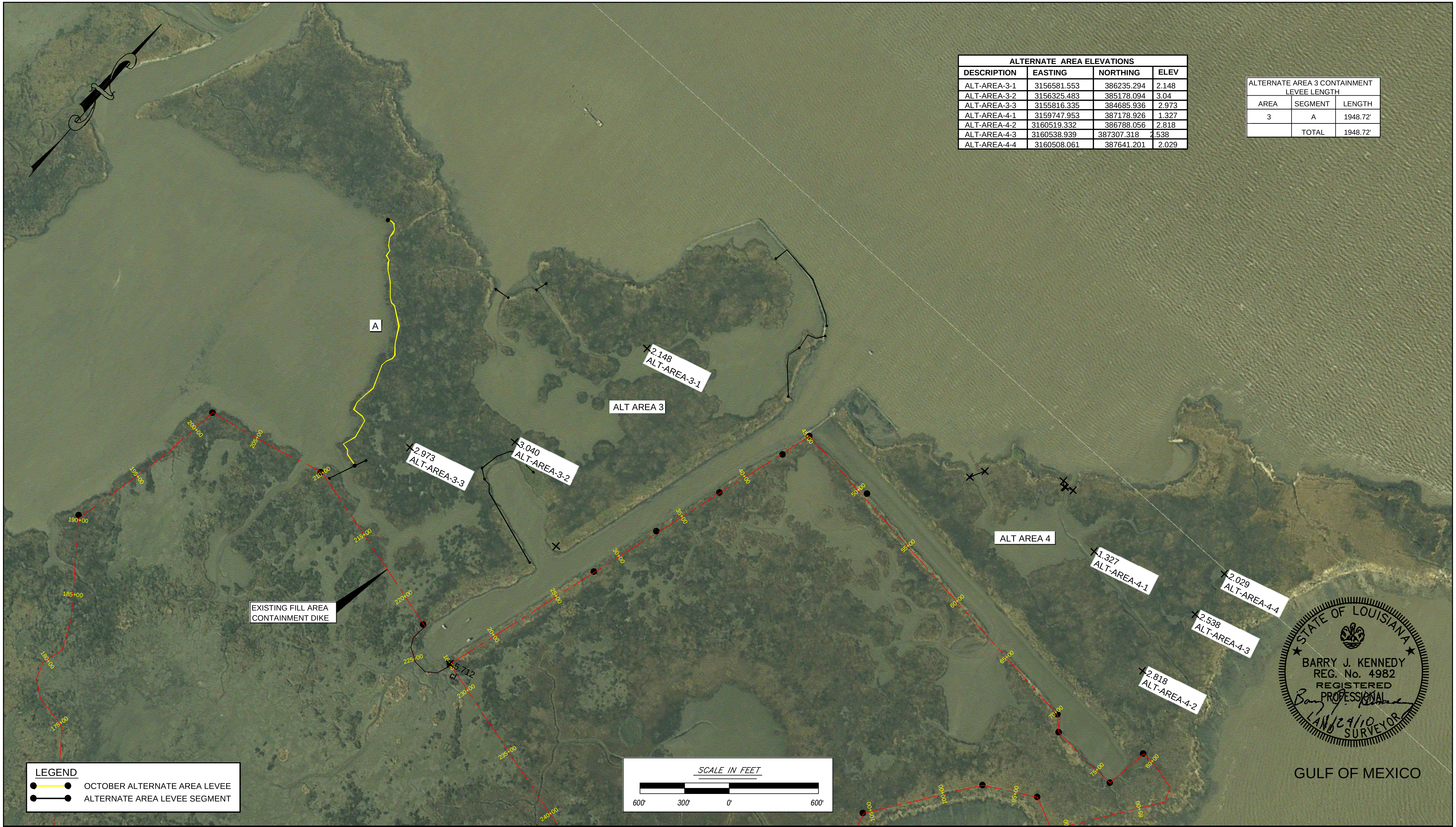
WEEKS

FILE NAME:	100148_ALT AREA ELEV
TBS NO.:	2010.0148
DATE:	11-23-10
PLOT SCALE:	1' = 600"
DRAWN BY:	LDE
APPROVED:	BJK
MAP NO.	

NOVEMBER ALTERNATE AREA ELEVATIONS 1-2
AS- BUILT CONTAINMENT DIKE SURVEY

EAST MARSH ISLAND
MARSH CREATION (TV-21)
FOR
LOUISIANA OFFICE OF
COASTAL PROTECTION & RESTORATION

SHEET NO. 1 OF 2



ALTERNATE AREA ELEVATIONS			
DESCRIPTION	EASTING	NORTHING	ELEV
ALT-AREA-3-1	3156581.553	386235.294	2.148
ALT-AREA-3-2	3156325.483	385178.094	3.04
ALT-AREA-3-3	3155816.335	384685.936	2.973
ALT-AREA-4-1	3159747.953	387178.926	1.327
ALT-AREA-4-2	3160519.332	386788.056	2.818
ALT-AREA-4-3	3160538.939	387307.318	2.538
ALT-AREA-4-4	3160508.061	387641.201	2.029

ALTERNATE AREA 3 CONTAINMENT LEVEE LENGTH		
AREA	SEGMENT	LENGTH
3	A	1948.72'
	TOTAL	1948.72'

NOTES:

DATE	REVISIONS	DRAWN BY	APPROVED BY

REVISIONS

TBS T. BAKER SMITH
PROFESSIONAL CONSULTANTS SINCE 1913
(985) 868-1050 www.tbsmith.com

WEEKS

FILE NAME:	100148_ALT AREA ELEV
TBS NO.:	2010.0148
DATE:	11-23-10
PLOT SCALE:	1" = 600'
DRAWN BY:	LDE
APPROVED:	BJK
MAP NO.	

NOVEMBER ALTERNATE AREA ELEVATIONS 3-4
AS- BUILT CONTAINMENT DIKE SURVEY

EAST MARSH ISLAND
MARSH CREATION (TV-21)
FOR
LOUISIANA OFFICE OF
COASTAL PROTECTION & RESTORATION

SHEET NO. 2 OF 2