

## INDEX TO SHEETS

## An aerial photograph of a wetland area in Louisiana. The image shows several large, dark, irregularly shaped water bodies. Labels with arrows point to specific features: 'LOST LAKE' points to a large lake on the left; 'LAKE DE CADE' points to a lake in the upper right; 'DULARGE' and 'DULAC' are marked with black dots on the right side; 'LAKE MECHANT' points to a large lake at the bottom; and 'PROJECT AREA' points to a small, dark, irregularly shaped area in the center, which is also circled with a black line.



DATE: MAY 2020		<div>COASTAL PROTECTION AND RESTORATION AUTHORITY</div> <div>150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802</div>					
SHEET 1 OF 35							
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT				TITLE SHEET			
STATE PROJECT NUMBER: TE-0138				DESIGNED BY: T. MCLAIN, P.E.	P.E. NO. 44567		
DRAWN BY: S. FAUST				APPROVED BY: R. SIMONEAUX, P.E.	P.E. NO. 34747	REV.	DATE
					DESCRIPTION	BY	

## LICENSURE CLASSIFICATION REQUIREMENTS

### HEAVY CONSTRUCTION OR DREDGING



1. THE EQUIPMENT ACCESS TO THE PROJECT SITE SHALL BE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT IMPACT EXISTING WATER BOTTOMS OR WETLANDS UNLESS OTHERWISE NOTED.
2. PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED BY ONE IS 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 OF RECORD.
3. THE CONTRACTOR SHALL MAINTAIN AIDS TO NAVIGATION DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. ANY DAMAGE TO EXISTING AIDS TO NAVIGATION SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
4. THE MARSH CREATION AREAS, BORROW AREAS, EARTHEN RIDGES, EARTHEN CONTAINMENT DIKES, SHORELINE CONTAINMENT DIKE, DEWATERING CONTAINMENT DIKE, AND INTERNAL TRAINING DIKES MAY BE REVISED BY THE ENGINEER THROUGHOUT THE WORK TO REFLECT CHANGES IN FIELD CONDITIONS.
5. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE DREDGE PIPELINE CORRIDOR, BORROW AREAS, AND MARSH CREATION AREAS PRIOR TO EXCAVATION OR DREDGING. DRAWINGS SHOWING THE TRACK LINES, COORDINATES, AMPLITUDE, SIGNATURE TYPE, AND DURATION OF ALL INFRASTRUCTURE AND ANOMALIES SHALL BE SUBMITTED TO THE ENGINEER IN THE PRECONSTRUCTION SURVEY.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING THE HYDRAULICALLY DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE MARSH CREATION AREAS.
7. THE CONTRACTOR SHALL NOT DEWATER INTO LAKE DE CADE OR ADJACENT BAYOUS.
8. THE BACKGROUND IMAGERY WAS TAKEN IN 2016.
9. THE PIPELINE AND UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE AND MARK ALL PIPELINES AND UTILITIES LOCATED WITHIN 150 FT. OF THE WORK PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THESE MARKERS DURING CONSTRUCTION. VERIFIED PIPELINES REFERENCE THE PIPELINE LOCATION (X, Y, Z) DATA BASED IN THE DESIGN SURVEY(S).

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING PIPELINE AND UTILITY OPERATORS AT LEAST FOURTEEN (14) WORKING DAYS IN ADVANCE OF THE WORK. CALL LOUISIANA ONE CALL AT 1-800-272-3020 FOURTEEN (14) DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.

TEXAS PETROLEUM INVESTMENT CO.  
CONTACT: KRIS KORTE  
MAIN PHONE: (713) 789-9225  
DIRECT PHONE: (832) 485-4348  
LOCAL (LAFAYETTE): (337) 232-1702

WILLIAMS  
CONTACT: DIANNE CASALENA  
OFFICE PHONE: (225) 658-1105  
CELL PHONE: (225) 252-9696

2. THE CONTRACTOR SHALL NOTIFY THE LANDOWNERS LISTED BELOW AT LEAST FOURTEEN (14) WORKING DAYS PRIOR TO PERFORMING THE WORK.

APACHE CORPORATION  
CONTACT: TIM ALLEN, P.L.S  
PHONE: (985) 879-3528 EXT. 8719

3. MODIFICATIONS TO THE DREDGE PIPELINE CORRIDOR SHALL REQUIRE APPROVAL BY THE ENGINEER.

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) U.S. SURVEY FEET, GEOID 12A. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83, LOUISIANA STATE PLANE SOUTH ZONE U.S. FEET). ALL ELEVATIONS ARE BASED ON THE FOLLOWING:

<u>SECONDARY SURVEY MONUMENT</u>	<u>ELEVATION</u>	<u>NORTHING</u>	<u>EASTING</u>
TE34-SM-01	0.82'	315,518.71	3,408,657.28
TE28-SM-A	1.99'	324,457.88	3,408,054.71

2. THE EXISTING ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE DESIGN SURVEYS PERFORMED FROM OCTOBER 2017 THROUGH FEBRUARY 2018 BY OCEANEERING INTERNATIONAL, INC. AND JULY 2019 THROUGH AUGUST 2019 BY LONNIE G. HARPER AND ASSOCIATES, INC. THE DESIGN SURVEY REPORTS ARE PROVIDED IN THE SPECIFICATIONS.
3. DATA FROM CRMS STATION 0398 WAS USED TO CALCULATE THE MHW AND MLW. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET, GEOID 12A. MHW = +0.76' AND MLW = +0.37' WITHIN PROJECT AREA.

4. A GEOTECHNICAL INVESTIGATION WAS PERFORMED BY FUGRO USA LAND, INC. ON MARCH 2018 TO APRIL 2018. THE BORING LOCATIONS ARE SHOWN ON THE PLANS. THE GEOTECHNICAL INVESTIGATION REPORT IS PROVIDED IN THE SPECIFICATIONS.
5. THE WEIR REMOVAL/BARRIER INSTALLATION SHALL NOT OCCUR PRIOR TO ACCEPTANCE OF THE MARSH CREATION AREA UNLESS APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL NOT BEGIN PLACEMENT OF DREDGE MATERIAL IN MARSH CREATION AREA 1 PRIOR TO ACCEPTANCE OF ALL CONTAINMENT FEATURES AND PRE CONSTRUCTION SURVEYS.
7. THE EXTERIOR BORROW AREAS SHALL BE EXHAUSTED BEFORE UTILIZING INTERIOR BORROW AREAS UNLESS APPROVED BY THE ENGINEER.

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY <sup>1</sup>
1	MOBILIZATION/DEMObILIZATION (TS-100)	LS	1
2	CONSTRUCTION SURVEYS (TS-200)	LS	1
3	GRADE STAKES (TS-220)	EACH	42
4	SETTLEMENT PLATES (TS-250)	EACH	7
5	INSTRUMENTED SETTLEMENT PLATES (TS-251)	LS	1
6	EARTHEN CONTAINMENT DIKES (TS-300)	LF	15,144
7	INTERNAL TRAINING DIKE (TS-301)	LF	3,442
8	SHORELINE CONTAINMENT DIKE (TS-302)	LF	2,291
9	EARTHEN RIDGE (TS-303)	LF	11,177
10	DEWATERING CONTAINMENT DIKE (TS-304)	LF	2,247
11	CLEARING AND GRUBBING (TS-323)	LS	1
12	HYDRAULIC DREDGING AND MARSH CREATION <sup>2</sup> (TS-400)	CY	2,819,050
13	WEIR REMOVAL/BARRIER INSTALLATION (TS-1115)	LS	1

1. WHERE THE QUANTITY OF WORK WITH RESPECT TO ANY ITEM IS COVERED BY A UNIT PRICE, SUCH QUANTITIES ARE ESTIMATED QUANTITIES TO BE USED WHEN COMPARING BIDS AND THE RIGHT IS RESERVED BY THE OWNER TO INCREASE/DECREASE SUCH QUANTITIES UP TO 25% WITHOUT ADJUSTMENT OF THE UNIT PRICE AS MAY BE NECESSARY TO COMPLETE THE WORK AS DESCRIBED IN THESE PLANS AND SPECIFICATIONS AND/OR REMAIN WITHIN FUNDING LIMITS.
2. QUANTITY IS BASED ON THE BORROW AREA CUT VOLUMES. PAYMENT QUANTITY WILL BE BASED ON PROCESS SURVEYS OF THE MARSH CREATION BORROW AREA.

BA	BORROW AREA
CMF	CONSTRUCTED MARSH FILL
CPT	CONE PENETRATION TEST
CY	CUBIC YARD
DP	DREDGE PIPELINE
DPC	DREDGE PIPE CORRIDOR
EAC	EQUIPMENT ACCESS CORRIDOR
ECD	EARTHEN CONTAINMENT DIKE
EL	ELEVATION
ER	EARTHEN RIDGE
FT	FOOT
ISP	INSTRUMENT SETTLEMENT PLATE
LF	LINEAR FOOT
LS	LUMP SUM
MCA	MARSH CREATION AREA
MCBA	MARSH CREATION BORROW AREA

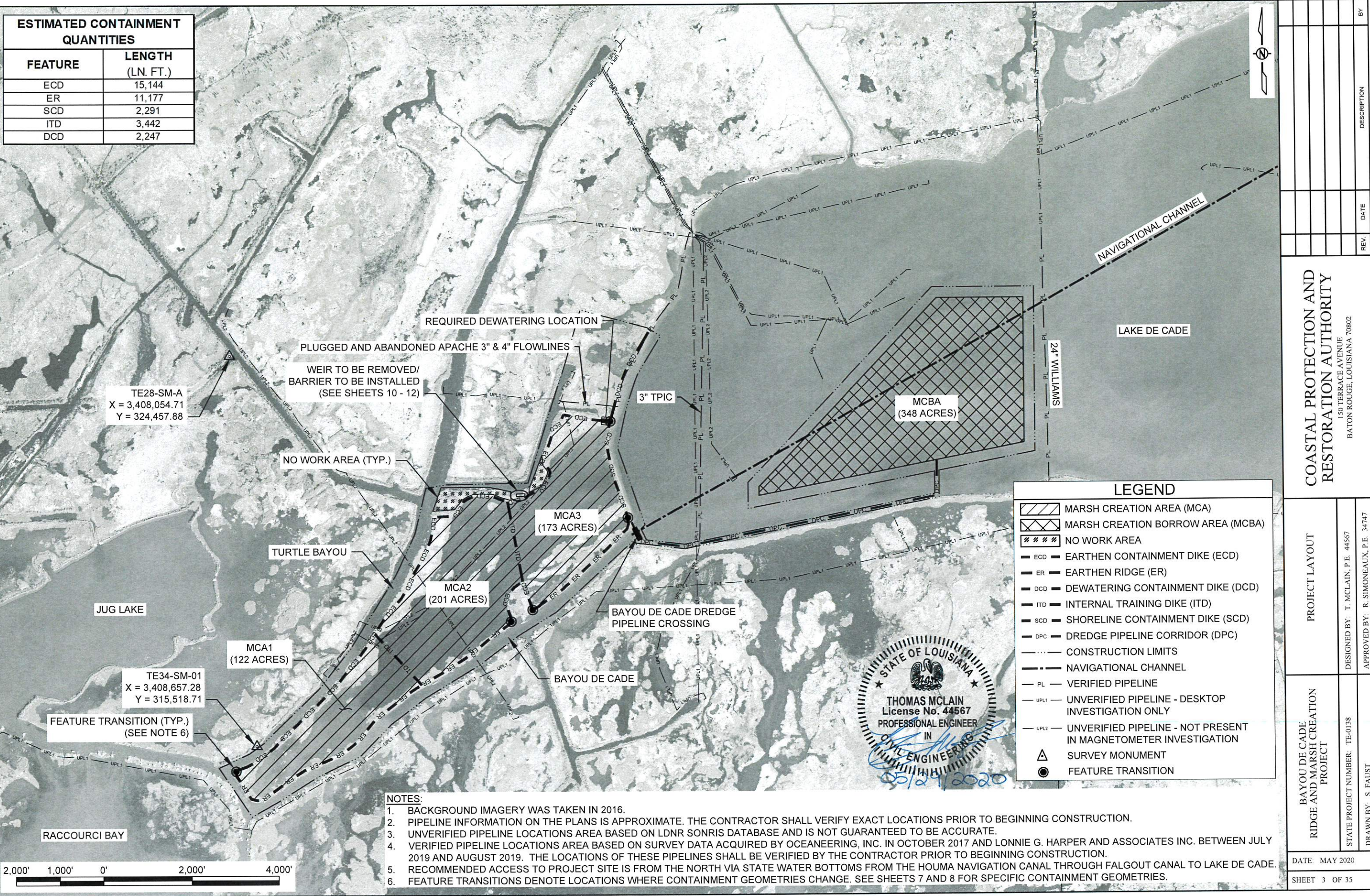
MHW	MEAN HIGH WATER
MLW	MEAN LOW WATER
NTS	NOT TO SCALE
PL	VERIFIED PIPELINE
SB	SOIL BORING
SCD	SHORELINE CONTAINMENT DIKE
SF	SQUARE FOOT
SM	SURVEY MONUMENT
SP	SETTLEMENT PLATE
ST	SURVEY TRANSECT
SY	SQUARE YARD
UPL1	UNVERIFIED PIPELINE - DESKTOP INVESTIGATION ONLY
UPL2	UNVERIFIED PIPELINE - NOT PRESENT IN MAGNETOMETER INVESTIGATION



	BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	GENERAL NOTES	<b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b>  150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802				
	STATE PROJECT NUMBER: TE-0138	DESIGNED BY: T. MCCLAIN, P.E.	P.E. NO. 44567				
	DRAWN BY: S. FAUST	APPROVED BY: R. SIMONEAUX, P.E.	P.E. NO. 34747				
				REV.	DATE	DESCRIPTION	BY

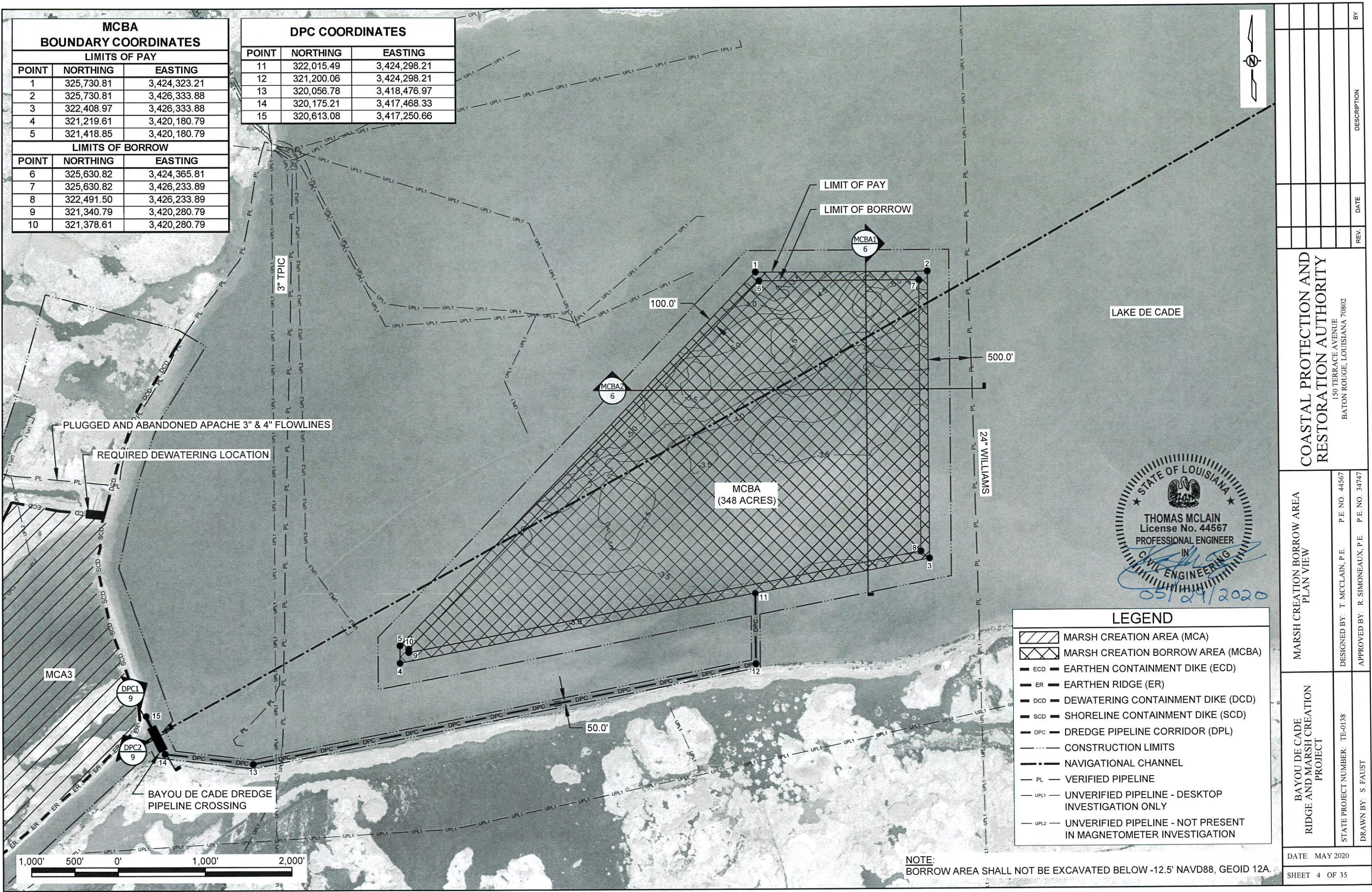


ESTIMATED CONTAINMENT QUANTITIES	
FEATURE	LENGTH (LN. FT.)
ECD	15,144
ER	11,177
SCD	2,291
ITD	3,442
DCD	2,247



COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
PROJECT LAYOUT		DESIGNED BY: T. MCCLAIN, P.E. 44567			
		APPROVED BY: R. SIMONEAUX, P.E. 34747			
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		STATE PROJECT NUMBER: TE-0138			
		DRAWN BY: S. FAUST			
		DATE: MAY 2020			
		SHEET 3 OF 35			





MCBA BOUNDARY COORDINATES		
LIMITS OF PAY		
POINT	NORTHING	EASTING
1	325,730.81	3,424,323.21
2	325,730.81	3,426,333.88
3	322,408.97	3,426,333.88
4	321,219.61	3,420,180.79
5	321,418.85	3,420,180.79
LIMITS OF BORROW		
POINT	NORTHING	EASTING
6	325,630.82	3,424,365.81
7	325,630.82	3,426,233.89
8	322,491.50	3,426,233.89
9	321,340.79	3,420,280.79
10	321,378.61	3,420,280.79

DPC COORDINATES		
POINT	NORTHING	EASTING
11	322,015.49	3,424,298.21
12	321,200.06	3,424,298.21
13	320,056.78	3,418,476.97
14	320,175.21	3,417,468.33
15	320,613.08	3,417,250.66



LEGEND	
	MARSH CREATION AREA (MCA)
	MARSH CREATION BORROW AREA (MCBA)
	ECD — EARTHEN CONTAINMENT DIKE (ECD)
	ER — EARTHEN RIDGE (ER)
	DCD — DEWATERING CONTAINMENT DIKE (DCD)
	SCD — SHORELINE CONTAINMENT DIKE (SCD)
	DPC — DREDGE PIPELINE CORRIDOR (DPL)
	CONSTRUCTION LIMITS
	NAVIGATIONAL CHANNEL
	PL — VERIFIED PIPELINE
	UPL1 — UNVERIFIED PIPELINE - DESKTOP INVESTIGATION ONLY
	UPL2 — UNVERIFIED PIPELINE - NOT PRESENT IN MAGNETOMETER INVESTIGATION

NOTE:  
BORROW AREA SHALL NOT BE EXCAVATED BELOW -12.5' NAVD88, GEOID 12A.

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
MARSH CREATION BORROW AREA PLAN VIEW		DESIGNED BY: T. MCLAIN, P.E.    P.E. NO. 44567			
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		APPROVED BY: R. SIMONEAUX, P.E.    P.E. NO. 34747			
		STATE PROJECT NUMBER: TE-0138			
		DRAWN BY: S. FAUST			
		DATE: MAY 2020			
		SHEET 4 OF 35			



EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES					
	NORTHING	EASTING		NORTHING	EASTING
1	322,932.02	3,416,773.58	25	320,766.00	3,413,098.17
2	322,986.88	3,416,238.78	26	320,750.20	3,412,716.19
3	323,087.58	3,415,703.22	27	320,691.27	3,412,727.43
4	322,856.87	3,415,587.99	28	320,489.43	3,412,699.71
5	322,783.33	3,415,475.99	29	320,208.38	3,412,634.15
6	322,501.92	3,415,397.96	30	320,016.32	3,412,565.24
7	322,159.14	3,415,272.85	31	319,768.34	3,412,439.22
8	321,943.49	3,415,279.06	32	319,475.41	3,412,264.92
9	321,836.30	3,415,363.23	33	319,192.81	3,412,143.72
10	321,759.16	3,415,393.34	34	318,892.14	3,411,962.74
11	321,623.43	3,415,335.88	35	318,811.67	3,411,889.07
12	321,422.34	3,415,239.67	36	318,609.87	3,411,727.27
13	321,249.83	3,414,907.68	37	318,514.43	3,411,635.12
14	321,174.18	3,414,806.97	38	318,407.82	3,411,557.90
15	321,080.70	3,414,493.83	39	318,233.66	3,411,444.49
16	321,097.38	3,414,417.02	40	318,178.14	3,411,422.10
17	321,144.87	3,414,257.17	41	318,078.43	3,411,350.11
18	321,220.12	3,414,070.49	42	317,963.46	3,411,267.10
19	321,229.87	3,413,780.42	43	317,728.65	3,411,124.06
20	321,211.76	3,413,619.27	44	317,515.53	3,410,969.13
21	321,170.54	3,413,515.69	45	317,320.87	3,410,802.72
22	321,103.80	3,413,405.73	46	317,011.54	3,410,567.05
23	320,973.77	3,413,354.99	47	316,725.09	3,410,308.11
24	320,834.23	3,413,251.84	48	316,367.22	3,409,948.00

	NORTHING	EASTING		NORTHING	EASTING
49	316,195.36	3,409,762.47	91	318,352.70	3,414,486.77
50	316,016.89	3,409,587.09	92	318,455.01	3,414,475.06
51	315,838.66	3,409,402.29	93	318,643.77	3,414,406.89
52	315,665.63	3,409,218.17	94	318,829.53	3,414,366.81
53	315,475.60	3,409,048.20	95	318,957.63	3,414,408.89
54	315,337.23	3,408,872.23	96	319,031.41	3,414,472.13
55	315,274.66	3,408,763.33	97	319,137.72	3,414,560.39
56	315,214.21	3,408,710.62	98	319,271.15	3,414,752.22
57	315,174.12	3,408,644.45	99	318,616.54	3,414,974.50
58	315,055.38	3,408,425.73			
59	315,001.96	3,408,283.10			
60	314,993.77	3,408,233.71			
61	314,960.71	3,408,173.71			
62	314,943.27	3,408,171.86			

EARTHEN RIDGE CENTERLINE COORDINATES					
PT.	NORTHING	EASTING	PT.	NORTHING	EASTING
62	314,943.27	3,408,171.86	78	315,918.31	3,411,186.72
63	314,832.07	3,408,179.18	79	316,117.40	3,411,351.16
64	314,657.63	3,408,304.29	80	316,276.62	3,411,544.60
65	314,317.35	3,408,510.74	81	316,429.05	3,411,745.23
66	314,277.33	3,408,659.30	82	316,733.93	3,412,139.31
67	314,313.58	3,408,815.20	83	316,872.11	3,412,355.46
68	314,387.37	3,408,900.01	84	316,909.46	3,412,420.92
69	314,524.06	3,409,109.55	85	317,243.64	3,413,006.56
70	314,673.37	3,409,309.56	86	317,380.85	3,413,210.81
71	314,818.11	3,409,514.44	87	317,514.00	3,413,425.27
72	314,972.17	3,409,754.65	88	317,820.11	3,413,820.87
73	315,158.74	3,410,201.22	89	317,983.97	3,414,013.86
74	315,257.51	3,410,431.09	90	318,273.56	3,414,421.08
75	315,384.33	3,410,653.41	91	318,352.70	3,414,486.77
76	315,530.78	3,410,847.28			
77	315,710.43	3,411,031.99			

	NORTHING	EASTING		NORTHING	EASTING
99	318,616.54	3,414,974.50	100	318,664.18	3,415,062.25
101	318,807.92	3,415,265.78	102	318,950.69	3,415,466.83
103	319,098.41	3,415,671.84	104	319,182.05	3,415,756.15
105	319,264.70	3,415,861.53	106	319,431.44	3,416,047.36
107	319,605.64	3,416,232.97	108	319,767.24	3,416,424.36
109	320,028.48	3,416,702.44	110	320,206.94	3,416,876.33
111	320,301.34	3,416,963.87	112	320,463.27	3,417,143.56
113	320,567.56	3,417,177.56	114	320,721.07	3,417,166.53

DEWATERING CONTAINMENT DIKE CENTERLINE COORDINATES		
	NORTHING	EASTING
1	322,932.02	3,416,773.58
120	323,488.33	3,416,923.67
121	323,939.36	3,417,073.13
122	324,156.01	3,417,161.73
123	324,974.68	3,417,665.38

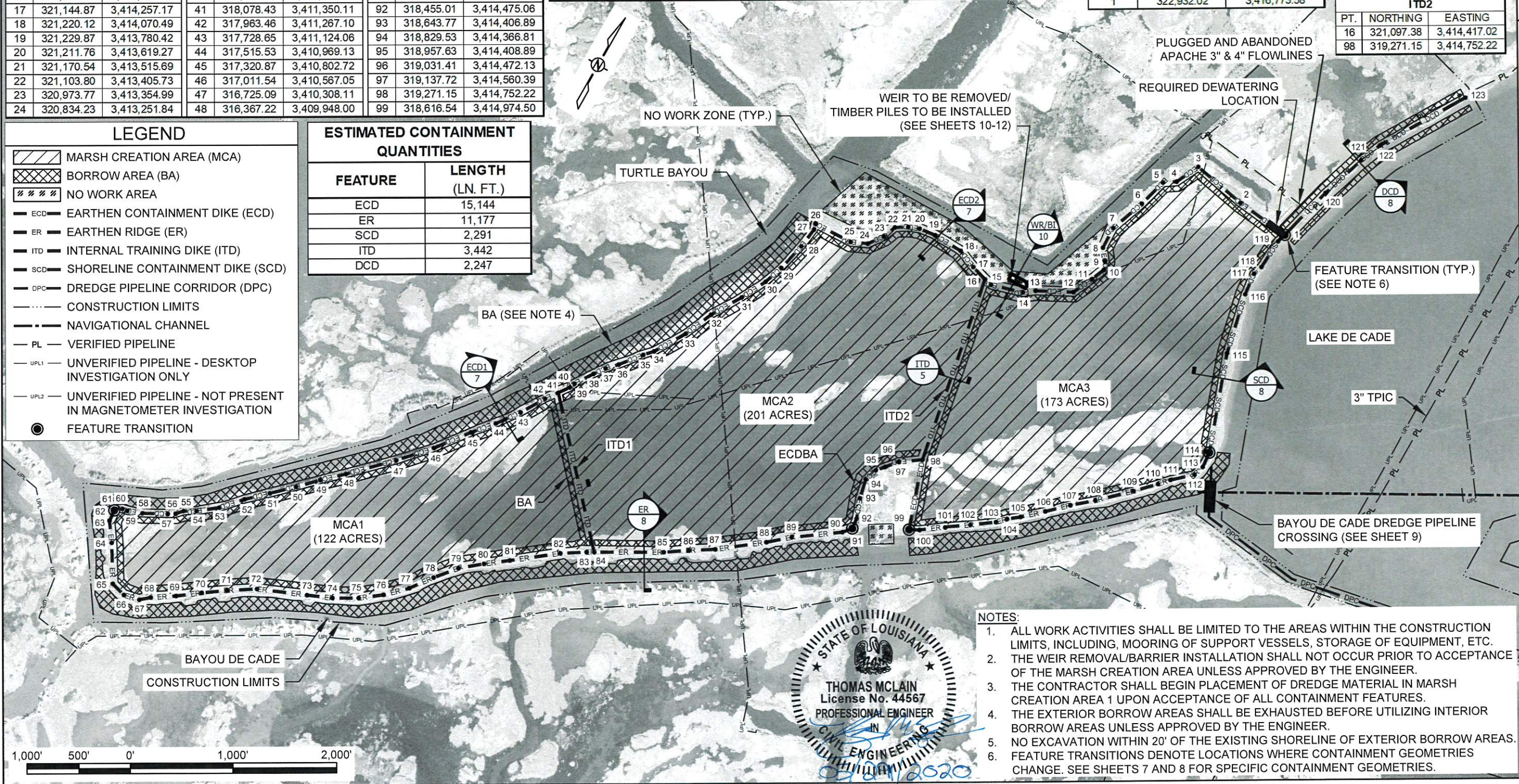
SHORELINE CONTAINMENT DIKE CENTERLINE COORDINATES		
	NORTHING	EASTING
114	320,721.07	3,417,166.53
115	321,647.72	3,416,841.73
116	322,235.17	3,416,716.50
117	322,452.09	3,416,694.57
118	322,545.26	3,416,726.30
119	322,843.17	3,416,746.27
1	322,932.02	3,416,773.58

BARRIER TIMBER PILES		
PILE	NORTHING	EASTING
P1	321,249.09	3,414,754.86
P2	321,248.90	3,414,744.86
P3	321,248.70	3,414,734.86
P4	321,248.51	3,414,724.87
P5	321,248.31	3,414,714.87
P6	321,248.11	3,414,704.87
P7	321,247.92	3,414,694.87
P8	321,247.72	3,414,684.87
P9	321,247.53	3,414,674.88

INTERNAL TRAINING DIKE CENTERLINE		
ITD1		
PT.	NORTHING	EASTING
41	318,078.43	3,411,350.11
84	316,909.46	3,412,420.92
ITD2		
PT.	NORTHING	EASTING
16	321,097.38	3,414,417.02
98	319,271.15	3,414,752.22

LEGEND	
	MARSH CREATION AREA (MCA)
	BORROW AREA (BA)
	NO WORK AREA
	ECD — EARTHEN CONTAINMENT DIKE (ECD)
	ER — EARTHEN RIDGE (ER)
	ITD — INTERNAL TRAINING DIKE (ITD)
	SCD — SHORELINE CONTAINMENT DIKE (SCD)
	DPC — DREDGE PIPELINE CORRIDOR (DPC)
	CONSTRUCTION LIMITS
	NAVIGATIONAL CHANNEL
	PL — VERIFIED PIPELINE
	UPL1 — UNVERIFIED PIPELINE - DESKTOP INVESTIGATION ONLY
	UPL2 — UNVERIFIED PIPELINE - NOT PRESENT IN MAGNETOMETER INVESTIGATION
	FEATURE TRANSITION

ESTIMATED CONTAINMENT QUANTITIES	
FEATURE	LENGTH (LN. FT.)
ECD	15,144
ER	11,177
SCD	2,291
ITD	3,442
DCD	2,247



- NOTES:
1. ALL WORK ACTIVITIES SHALL BE LIMITED TO THE AREAS WITHIN THE CONSTRUCTION LIMITS, INCLUDING, MOORING OF SUPPORT VESSELS, STORAGE OF EQUIPMENT, ETC.
  2. THE WEIR REMOVAL/BARRIER INSTALLATION SHALL NOT OCCUR PRIOR TO ACCEPTANCE OF THE MARSH CREATION AREA UNLESS APPROVED BY THE ENGINEER.
  3. THE CONTRACTOR SHALL BEGIN PLACEMENT OF DREDGE MATERIAL IN MARSH CREATION AREA 1 UPON ACCEPTANCE OF ALL CONTAINMENT FEATURES.
  4. THE EXTERIOR BORROW AREAS SHALL BE EXHAUSTED BEFORE UTILIZING INTERIOR BORROW AREAS UNLESS APPROVED BY THE ENGINEER.
  5. NO EXCAVATION WITHIN 20' OF THE EXISTING SHORELINE OF EXTERIOR BORROW AREAS.
  6. FEATURE TRANSITIONS DENOTE LOCATIONS WHERE CONTAINMENT GEOMETRIES CHANGE. SEE SHEETS 7 AND 8 FOR SPECIFIC CONTAINMENT GEOMETRIES.

COASTAL PROTECTION AND RESTORATION AUTHORITY  
150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

MARSH CREATION AREA  
PLAN VIEW

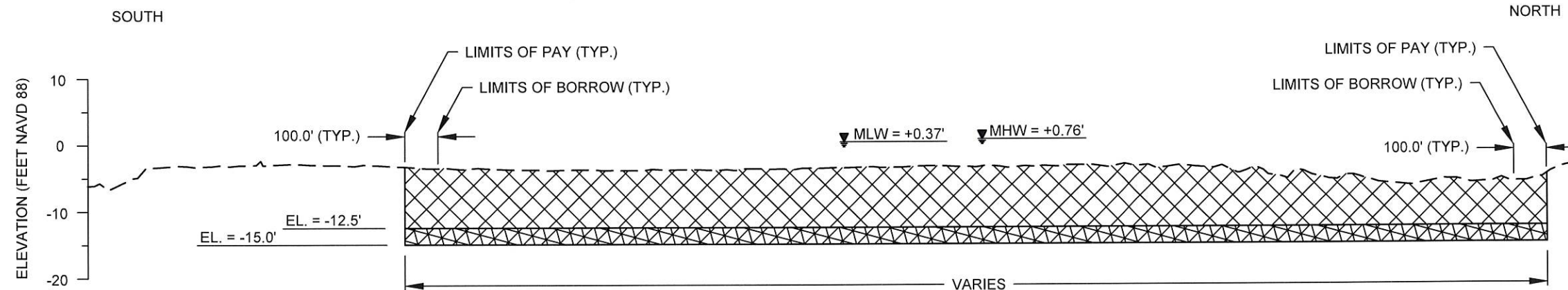
BAYOU DE CADE  
RIDGE AND MARSH CREATION  
PROJECT

DATE: MAY 2020  
SHEET 5 OF 35

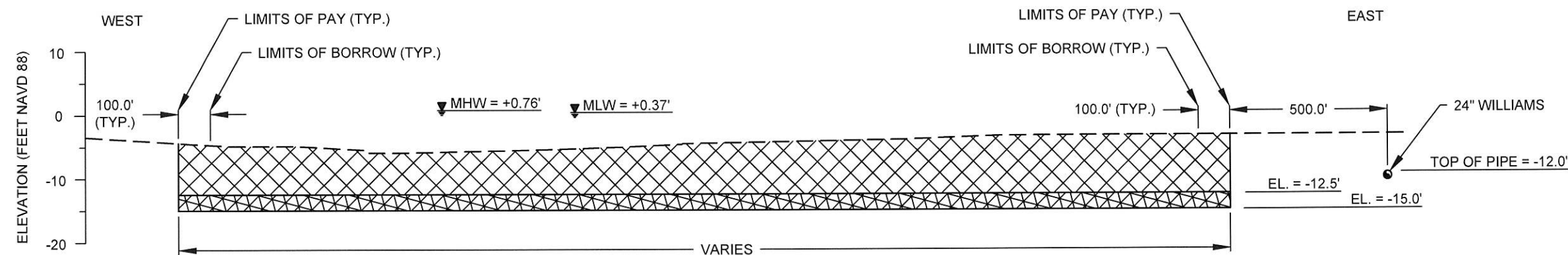
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DRAWN BY: S. FAUST

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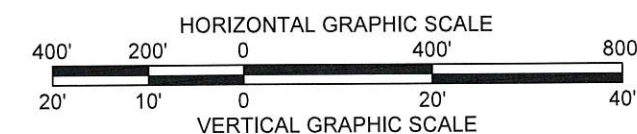


MCB1  
4 MARSH CREATION BORROW AREA  
TYPICAL SECTION



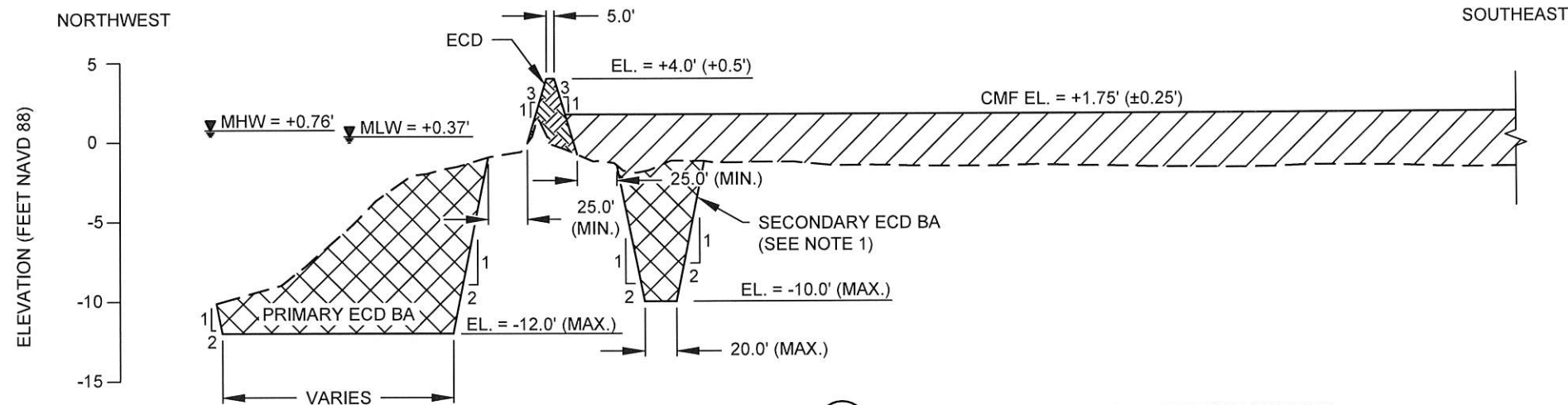
MCB2  
4 MARSH CREATION BORROW AREA  
TYPICAL SECTION

LEGEND	
	EXISTING WATER BOTTOM
	MARSH CREATION BORROW AREA
	AREA OF DISTURBANCE

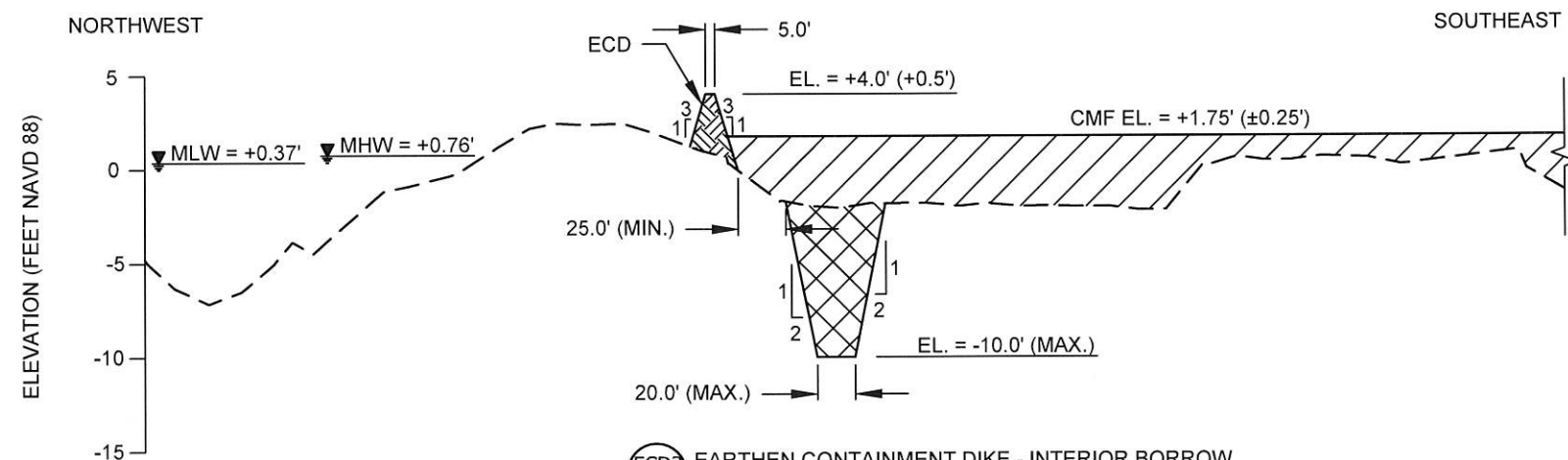


BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		MARSH CREATION BORROW AREA TYPICAL SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802									
STATE PROJECT NUMBER: TE-0138		DESIGNED BY: T. MCLAIN, P.E.		P.E. NO. 44567									
DRAWN BY: S. FAUST		APPROVED BY: R. SIMONEAUX, P.E.		P.E. NO. 34747				REV.	DATE	DESCRIPTION		BY	
DATE: MAY 2020													
SHEET 6 OF 35													

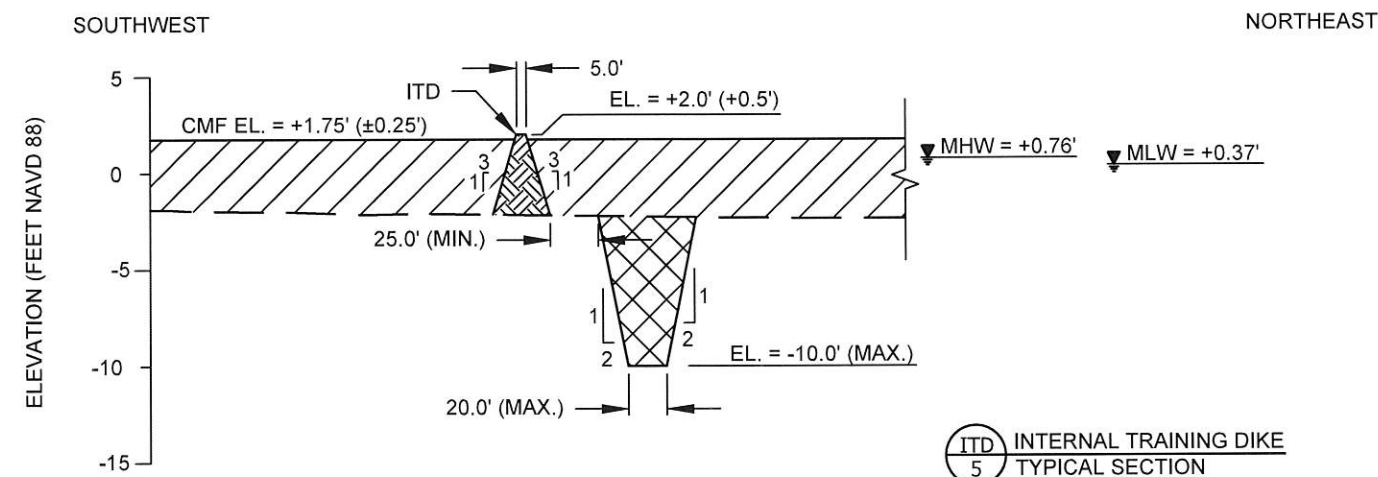




**ECD1**  
5 EARTHEN CONTAINMENT DIKE - EXTERIOR BORROW  
TYPICAL SECTION



**ECD2**  
5 EARTHEN CONTAINMENT DIKE - INTERIOR BORROW  
TYPICAL SECTION

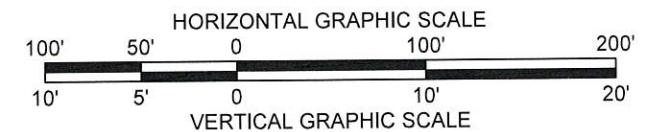


**ITD**  
5 INTERNAL TRAINING DIKE  
TYPICAL SECTION

LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA (BA)
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)

**NOTES:**

1. THE PRIMARY (EXTERIOR) BORROW AREAS SHALL BE EXHAUSTED BEFORE UTILIZING SECONDARY (INTERIOR) BORROW AREAS UNLESS APPROVED BY THE ENGINEER.
2. THE CENTERLINE OF TURTLE BAYOU DELINEATES THE LIMITS OF THE PRIMARY EARTHEN CONTAINMENT DIKE BORROW AREA.
3. EXCAVATION WITHIN THE BORROW AREA SHALL BE LIMITED TO THE LINES AND GRADES SHOWN.
4. ANCHORAGE OF THE DREDGE EQUIPMENT SHALL BE LIMITED TO THE AREA WITHIN THE CONSTRUCTION LIMITS.
5. NO EXCAVATION WITHIN 20' OF THE EXISTING SHORELINE OF THE EXTERIOR BORROW AREAS.



**COASTAL PROTECTION AND  
RESTORATION AUTHORITY**  
150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

EARTHEN CONTAINMENT DIKE  
TYPICAL SECTIONS

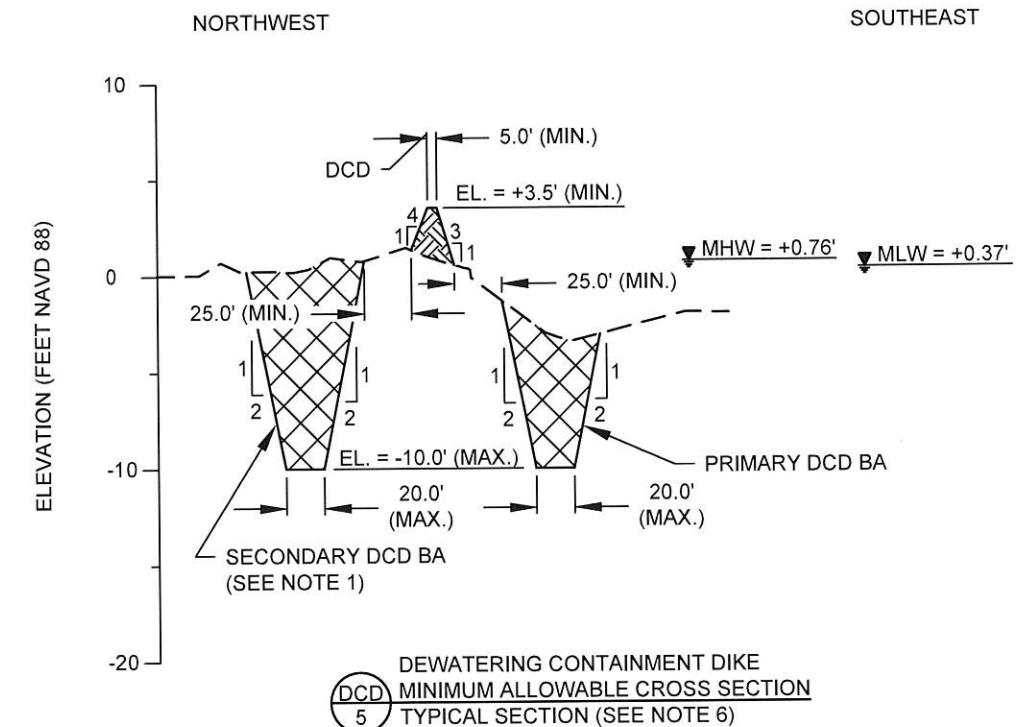
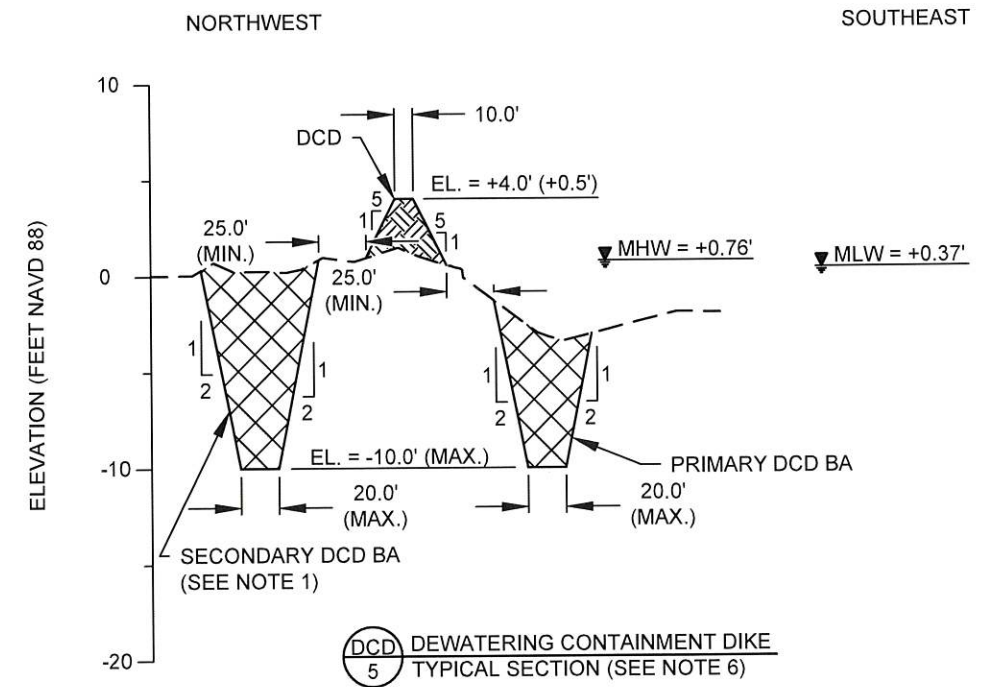
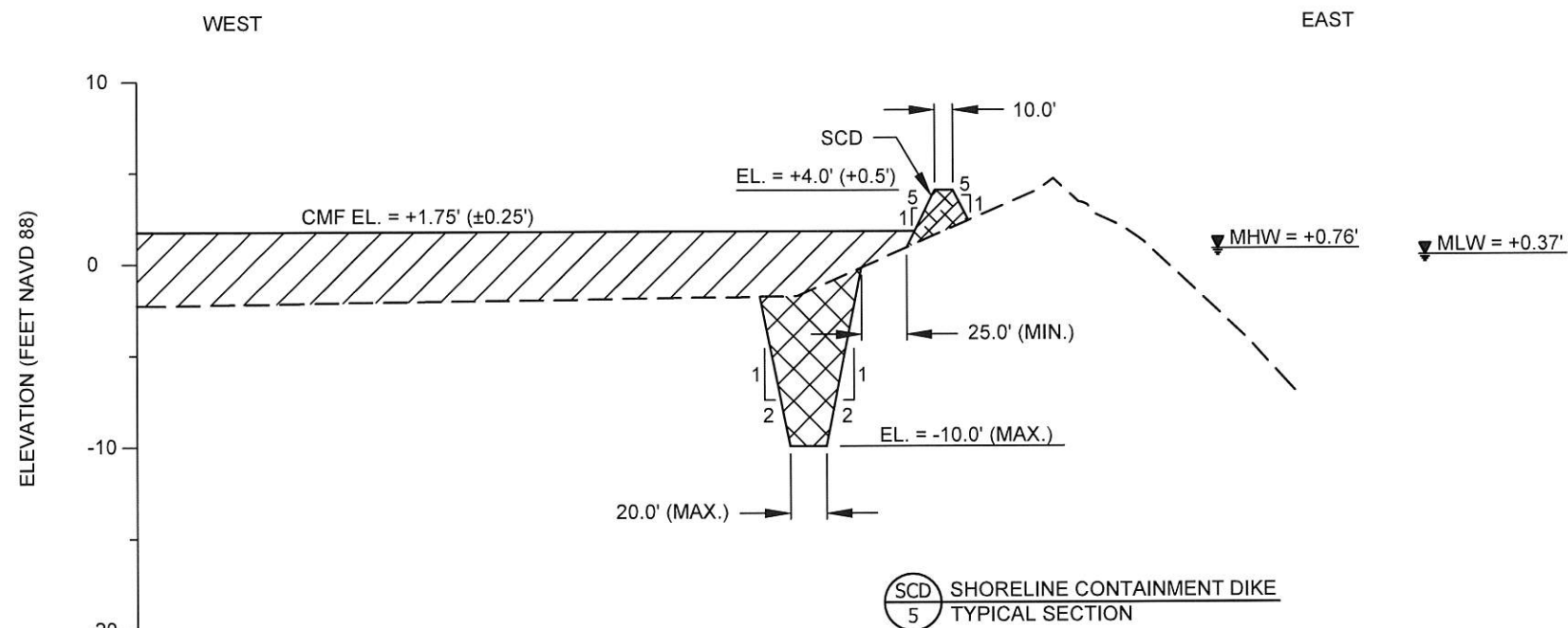
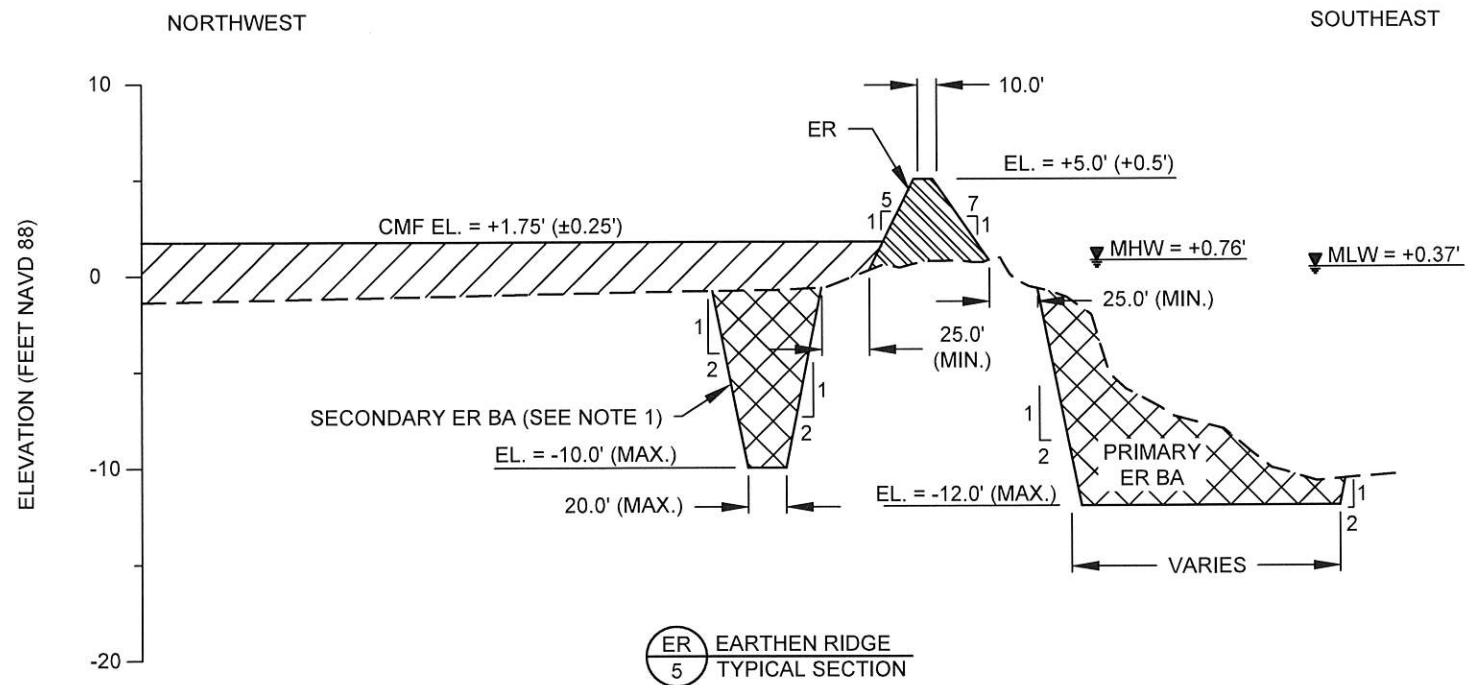
BAYOU DE CADE  
RIDGE AND MARSH CREATION  
PROJECT

DESIGNED BY: T. MCLAIN, P.E. P.E. NO. 44567  
APPROVED BY: R. SIMONEAUX, P.E. P.E. NO. 34747  
STATE PROJECT NUMBER: TE-0138  
DRAWN BY: S. FAUST

DATE: MAY 2020

SHEET 7 OF 35

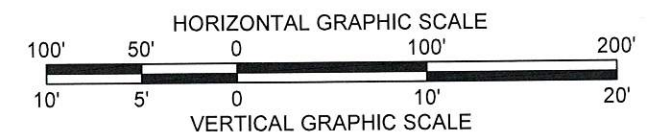
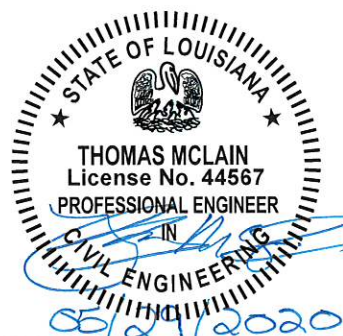




# NOTES:

1. THE PRIMARY (EXTERIOR) BORROW AREAS SHALL BE EXHAUSTED BEFORE UTILIZING THE SECONDARY (INTERIOR) BORROW AREAS UNLESS APPROVED BY THE ENGINEER.
2. THE CENTERLINE OF BAYOU DE CADE DELINEATES THE LIMITS OF THE EARTHEN RIDGE BORROW AREAS.
3. EXCAVATION WITHIN THE BORROW AREA SHALL BE LIMITED TO THE LINES AND GRADES SHOWN.
4. ANCHORAGE OF THE DREDGE EQUIPMENT SHALL BE LIMITED TO THE AREA WITHIN THE CONSTRUCTION LIMITS.
5. NO EXCAVATION WITHIN 20' OF EXISTING SHORELINE OF EXTERIOR BORROW AREAS.
6. THE DEWATERING CONTAINMENT DIKE SHALL BE CONSTRUCTED TO THE TYPICAL SECTION FOR ACCEPTANCE AND SHALL BE MAINTAINED TO THE MINIMUM ALLOWABLE CROSS SECTION.

LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN RIDGE (ER)
	SHORELINE CONTAINMENT DIKE (SCD)



## COASTAL PROTECTION AND RESTORATION AUTHORITY

150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

## EARTHEN RIDGE AND SHORELINE CONTAINMENT DIKE TYPICAL SECTIONS

DESIGNED BY: T. MCLAIN, P.E.  
APPROVED BY: R. SIMONEAUX, P.E.

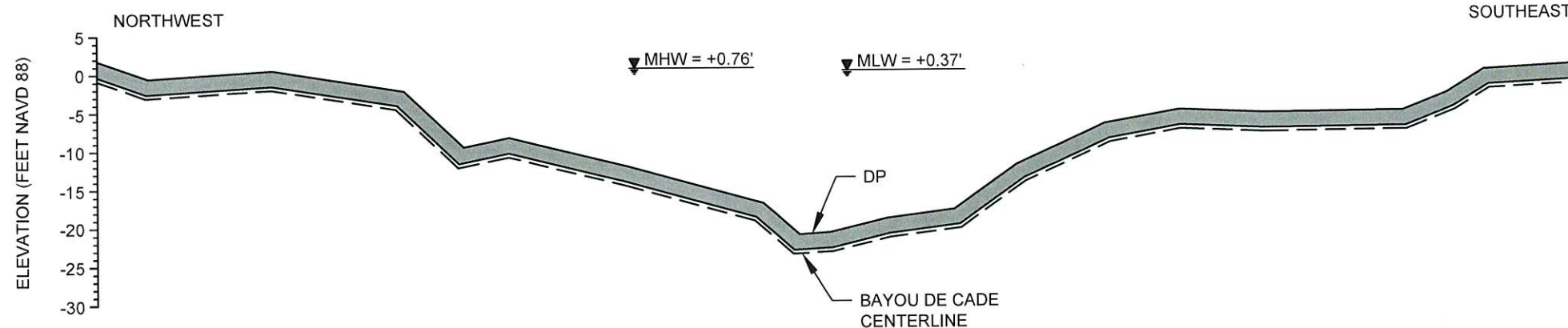
## BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT

STATE PROJECT NUMBER: TE-0138  
DRAWN BY: S. FAUST

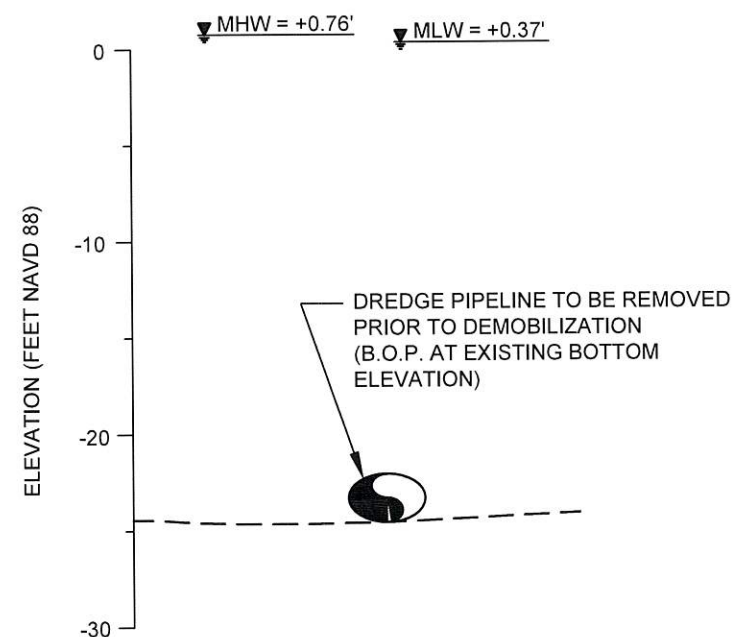
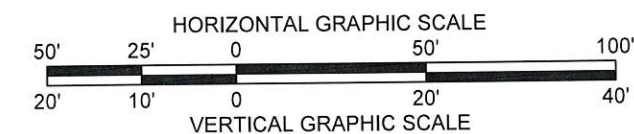
DATE: MAY 2020

SHEET 8 OF 35

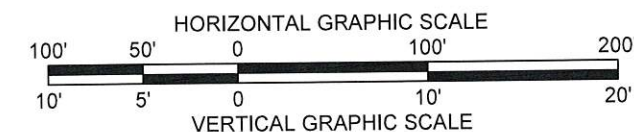




(DPC1)  
4 BAYOU DE CADE DREDGE PIPELINE CROSSING  
TYPICAL SECTION



(DPC2)  
4 BAYOU DE CADE DREDGE PIPELINE CROSSING  
TYPICAL SECTION

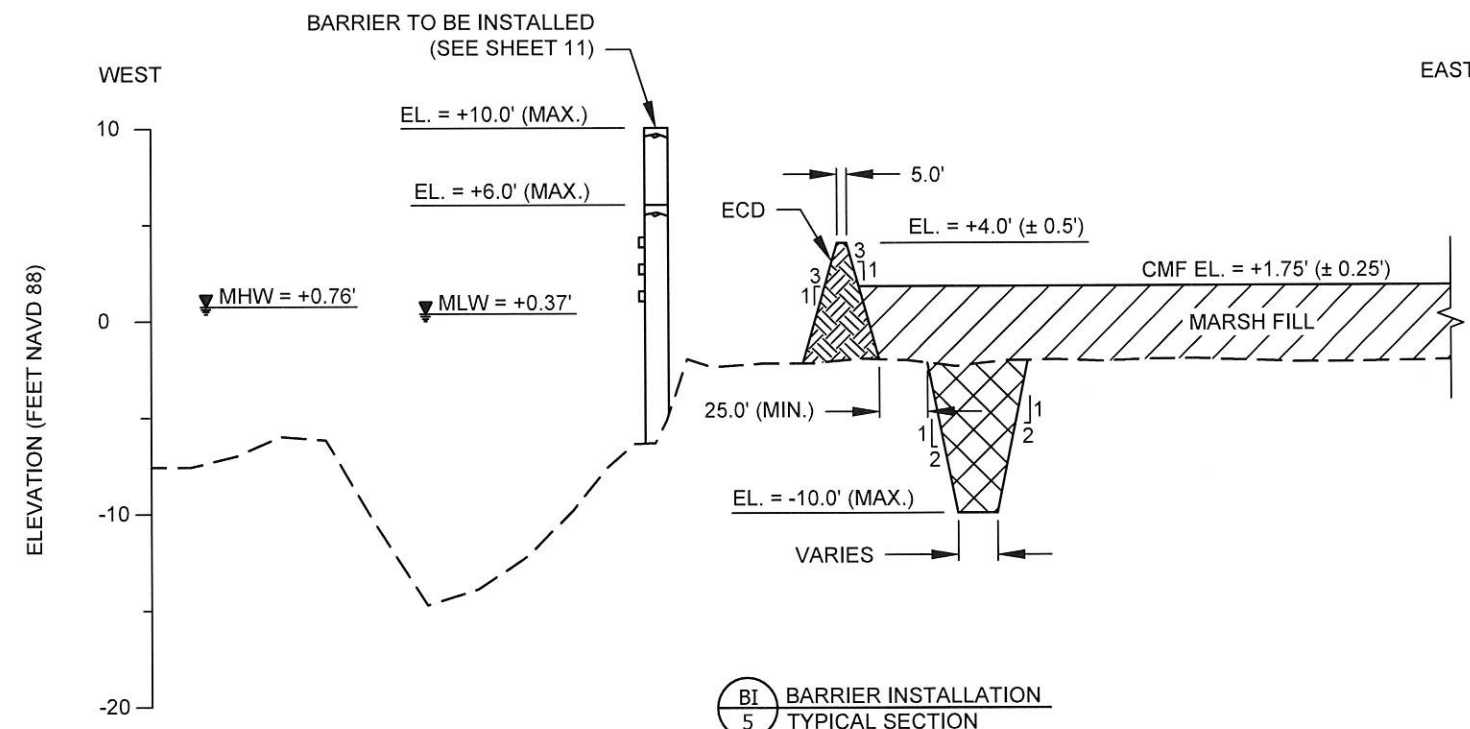
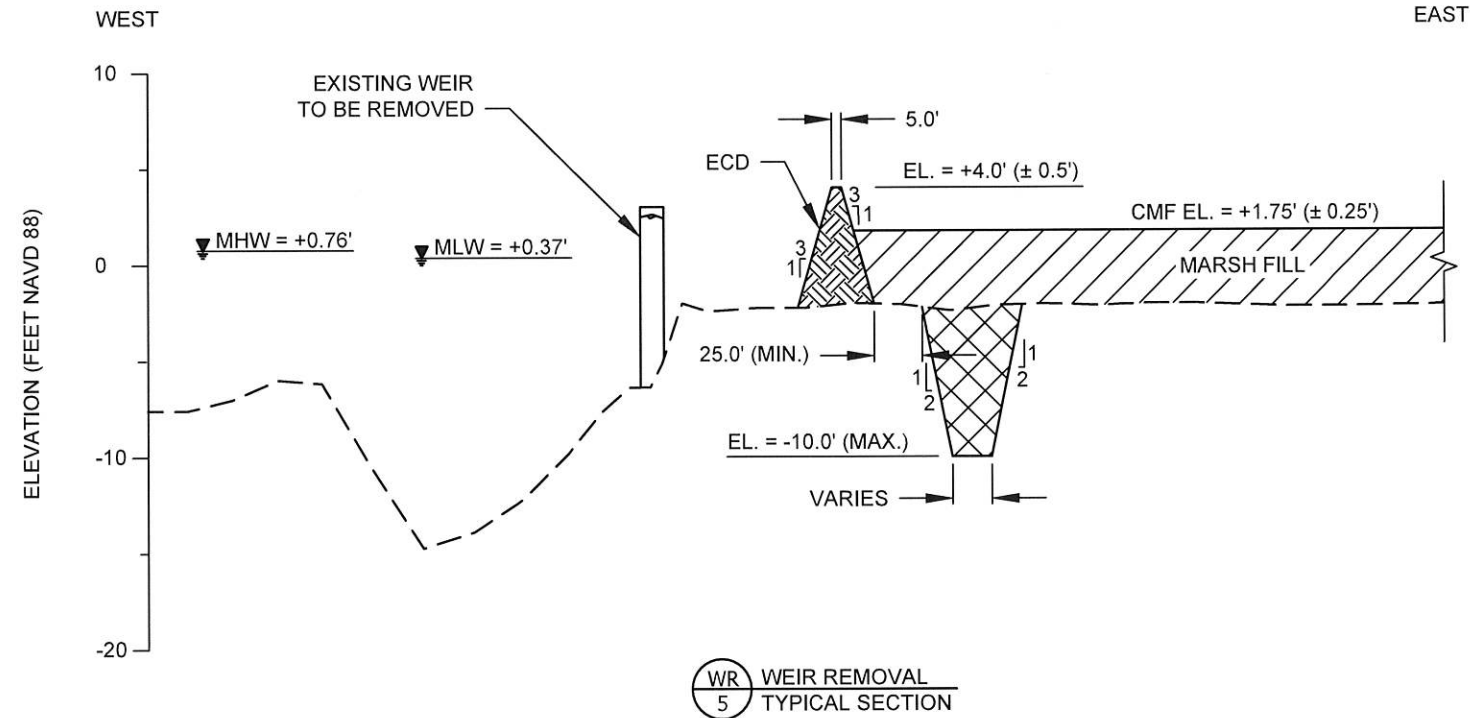


LEGEND	
---	EXISTING WATER BOTTOM
///	TEMPORARY SPOIL

NOTES:  
1. ANCHORAGE OF THE DREDGE EQUIPMENT SHALL BE LIMITED TO THE AREA WITHIN THE CONSTRUCTION LIMITS.

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
DREDGE PIPELINE CORRIDOR TYPICAL SECTIONS	DESIGNED BY: T. MCLAIN, P.E.	P.E. NO. 44567			
	APPROVED BY: R. SIMONEAUX, P.E.	P.E. NO. 34747			
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	STATE PROJECT NUMBER: TE-0138				
	DRAWN BY: S. FAUST				
DATE: MAY 2020					
SHEET 9 OF 35					

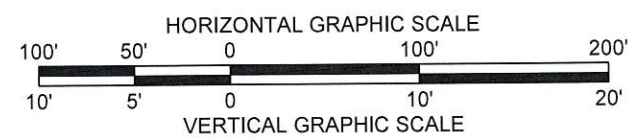




- NOTES:
1. THE EARTHEN CONTAINMENT DIKES WILL BE CONSTRUCTED USING IN-SITU MATERIAL.
  2. THE EXISTING WEIR MATERIAL TO BE REMOVED FROM SITE IN ACCORDANCE WITH TS-1115.
  3. THE WEIR REMOVAL/BARRIER INSTALLATION SHALL NOT OCCUR PRIOR TO ACCEPTANCE OF THE MARSH CREATION AREAS UNLESS APPROVED BY THE ENGINEER.

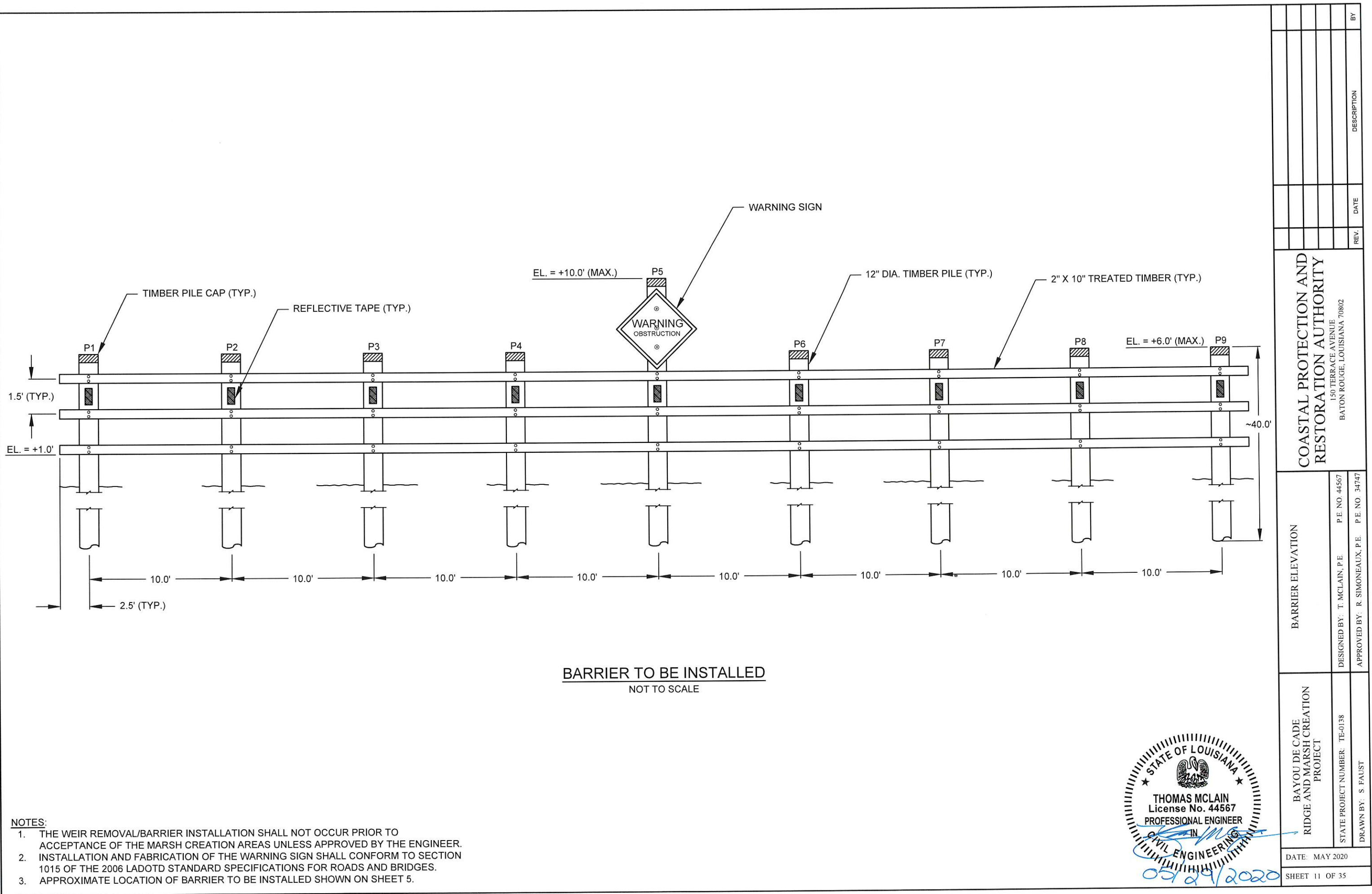


LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA (ECDBA)
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)

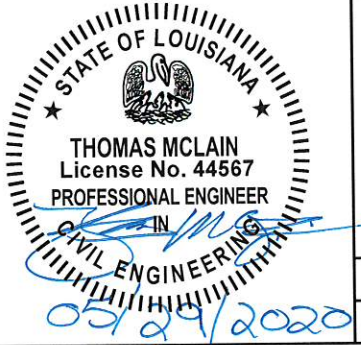


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	REV.	DATE	DESCRIPTION	BY
WEIR REMOVAL AND BARRIER INSTALLATION TYPICAL SECTIONS	DESIGNED BY:	T. MCLAIN, P.E.	P.E. NO. 44567	
	APPROVED BY:	R. SIMONEAUX, P.E.	P.E. NO. 34747	
	BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	STATE PROJECT NUMBER: TE-0138		
	DRAWN BY:	S. FAUST		
DATE: MAY 2020		SHEET 10 OF 35		



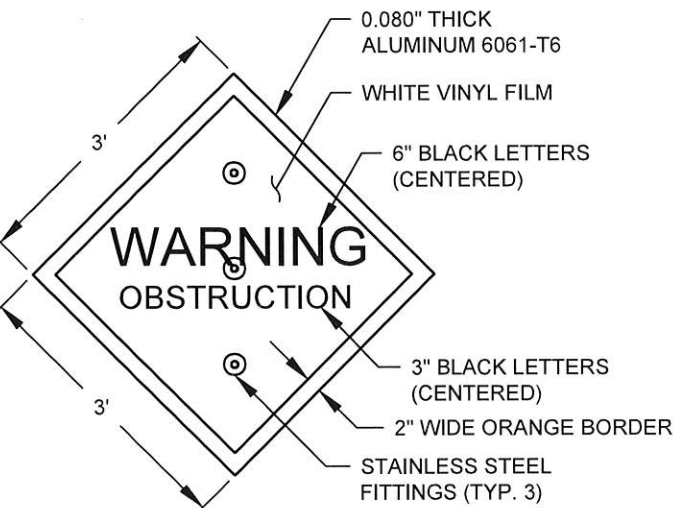


- NOTES:
- 1. THE WEIR REMOVAL/BARRIER INSTALLATION SHALL NOT OCCUR PRIOR TO ACCEPTANCE OF THE MARSH CREATION AREAS UNLESS APPROVED BY THE ENGINEER.
  - 2. INSTALLATION AND FABRICATION OF THE WARNING SIGN SHALL CONFORM TO SECTION 1015 OF THE 2006 LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
  - 3. APPROXIMATE LOCATION OF BARRIER TO BE INSTALLED SHOWN ON SHEET 5.

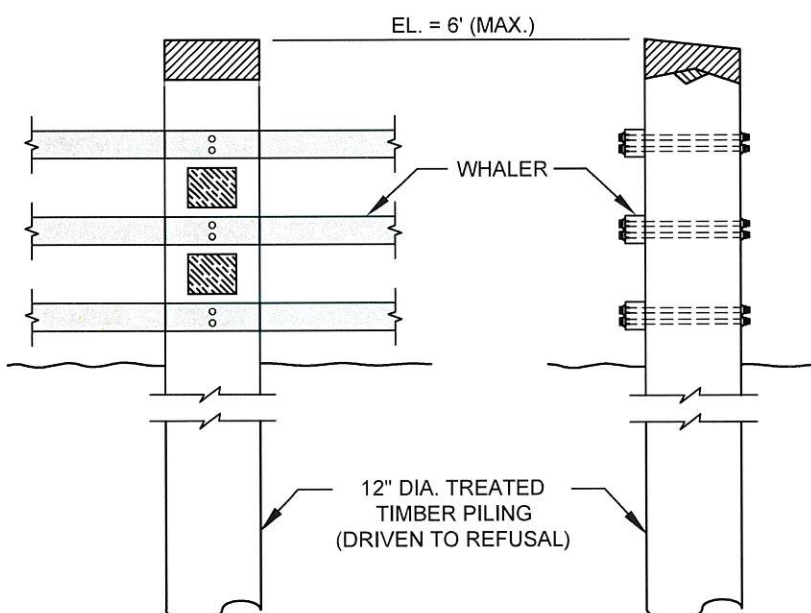


COASTAL PROTECTION AND RESTORATION AUTHORITY		150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	DATE	REV.	DESCRIPTION	BY
BARRIER ELEVATION		DESIGNED BY: T. MCLAIN, P.E.	P.E. NO. 44567			
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		APPROVED BY: R. SIMONEAUX, P.E.	P.E. NO. 34747			
		STATE PROJECT NUMBER: TE-0138				
		DRAWN BY: S. FAUST				
		DATE: MAY 2020				
		SHEET 11 OF 35				





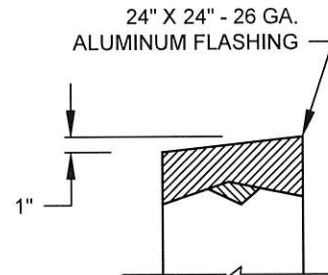
**SIGN DETAIL**  
NOT TO SCALE



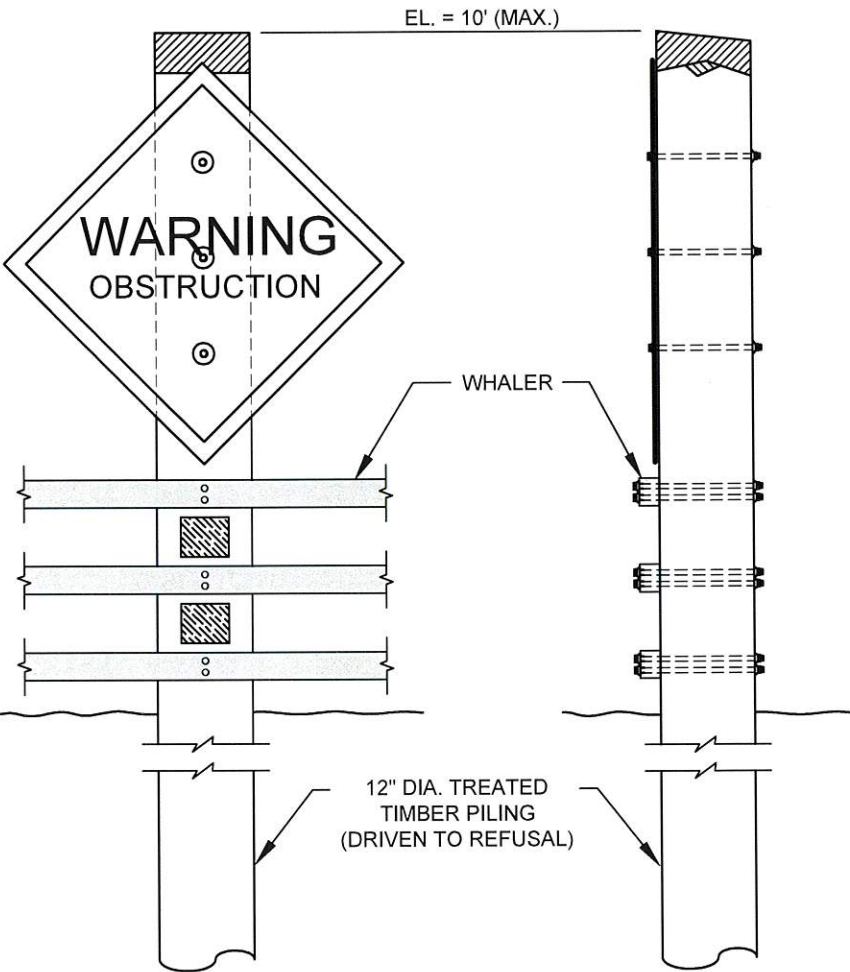
**FRONT VIEW**  
NOT TO SCALE

**SIDE VIEW**  
NOT TO SCALE

**BARRIER ELEVATIONS**  
**TOP OF PILE EL. = 6'**  
NOT TO SCALE



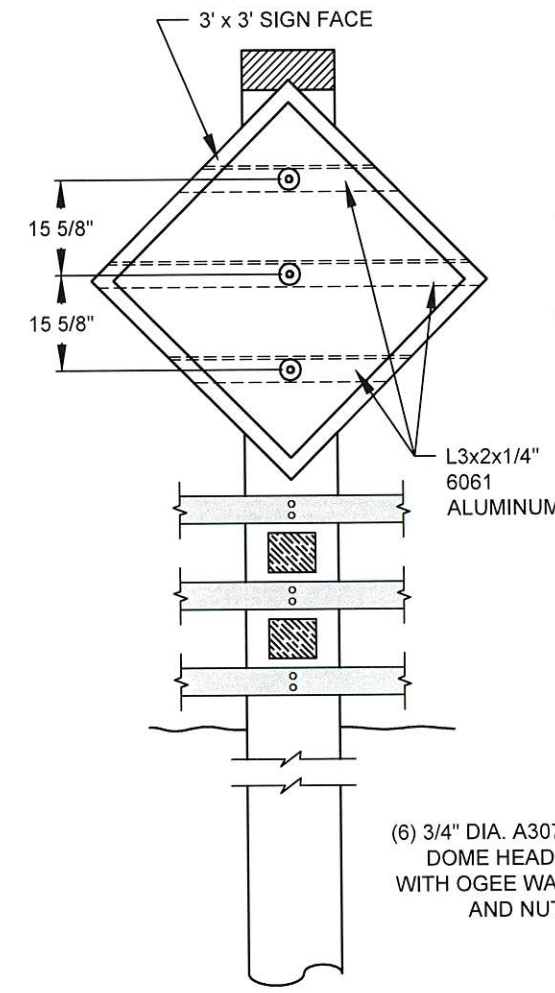
**TYPICAL TIMBER PILES CAP**  
NOT TO SCALE



**FRONT VIEW**  
NOT TO SCALE

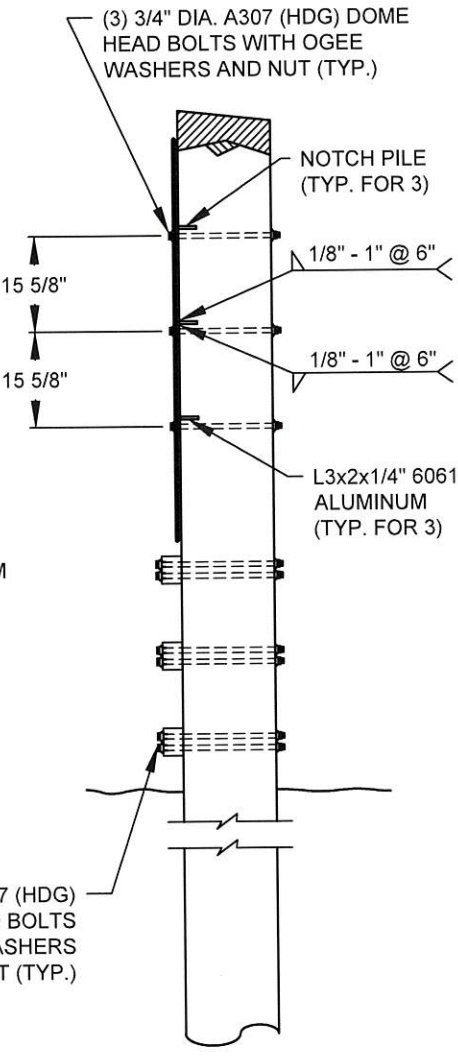
**SIDE VIEW**  
NOT TO SCALE

**BARRIER ELEVATIONS**  
**TOP OF PILE EL. = 10'**  
NOT TO SCALE



**FRONT VIEW**  
NOT TO SCALE

**BARRIER MOUNTING**  
NOT TO SCALE



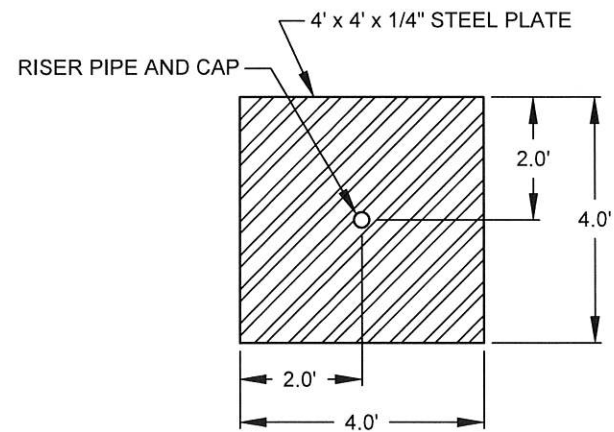
**SIDE VIEW**  
NOT TO SCALE



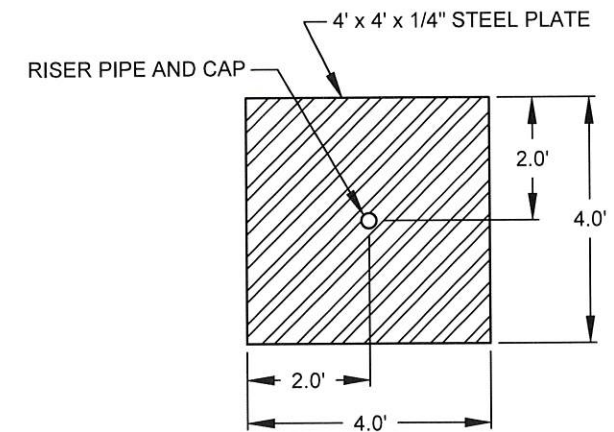
COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		DATE	REV.	DESCRIPTION	BY
WARNING SIGN DETAILS					
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		DATE	MAY 2020		
STATE PROJECT NUMBER: TE-0138					
DRAWN BY: S. FAUST					
DESIGNED BY: T. MCLAIN, P.E.	P.E. NO. 44567				
APPROVED BY: R. SIMONEAUX, P.E.	P.E. NO. 34747				
SHEET 12 OF 35					

**NOTES:**  
1. INSTALLATION AND FABRICATION OF THE WARNING SIGN SHALL CONFORM TO SECTION 1015 OF THE 2006 LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

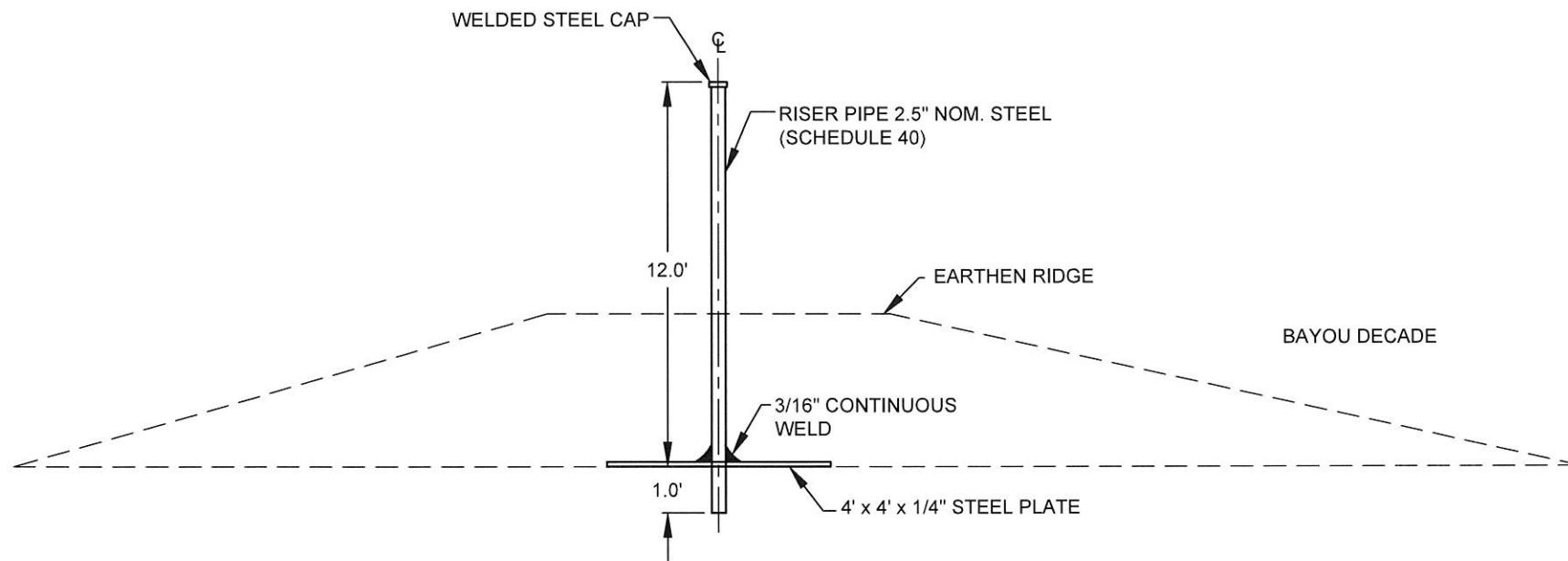




**PLAN VIEW**

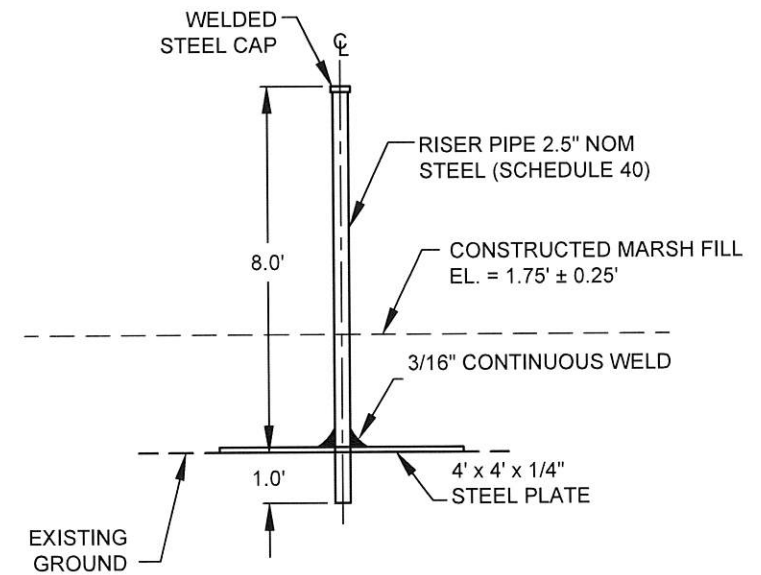


**PLAN VIEW**



**PROFILE VIEW**

**EARTHEN RIDGE SETTLEMENT PLATE**  
NTS



**PROFILE VIEW**

**MARSH CREATION AREA SETTLEMENT PLATE**  
NTS

**NOTE:**  
SETTLEMENT PLATES SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS.



**COASTAL PROTECTION AND  
RESTORATION AUTHORITY**  
150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		SETTLEMENT PLATE DETAILS	
STATE PROJECT NUMBER: TE-0138		DESIGNED BY: T. MCLAIN, P.E.	P.E. NO. 44567
DRAWN BY: S. FAUST		APPROVED BY: R. SIMONEAUX, P.E.	P.E. NO. 34747
DATE: MAY 2020			
SHEET 13 OF 35			





## PROFILE VIEW

## INSTRUMENTED SETTLEMENT PLATE



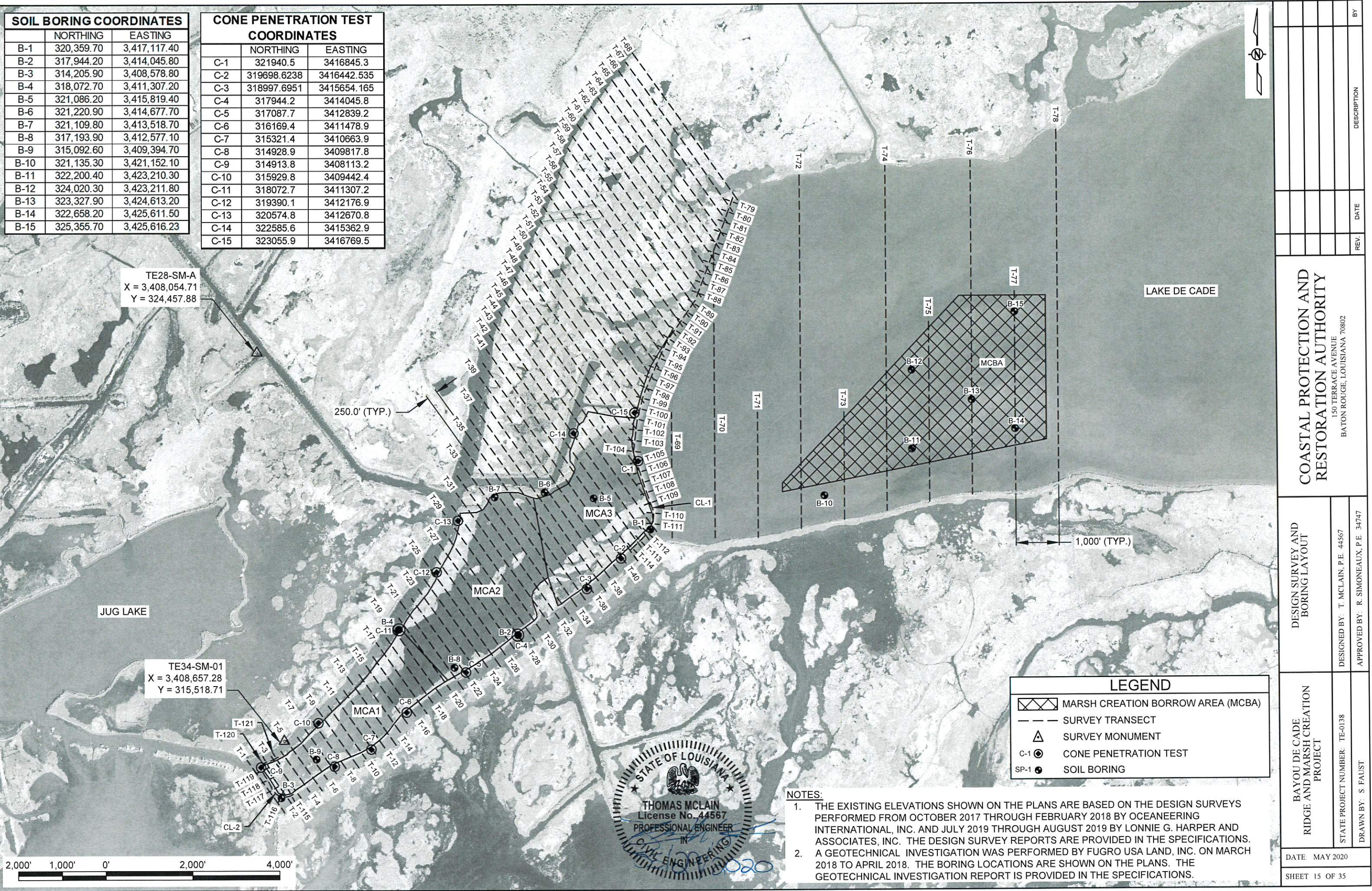
GRADE STAKES	
	CMF ELEVATION (NAVD88)
MCA	+1.75 ± 0.25'

DATE: MAY 2020		BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		INSTRUMENTED SETTLEMENT PLATE AND GRADE STAKE DETAILS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
STATE PROJECT NUMBER: TE-0138		DESIGNED BY: T. MCLAIN, P.E.		P.E. NO. 44567							
DRAWN BY: S. FAUST		APPROVED BY: R. SIMONEAUX, P.E.		P.E. NO. 34747							
								REV.	DATE	DESCRIPTION	BY



SOIL BORING COORDINATES		
	NORTHING	EASTING
B-1	320,359.70	3,417,117.40
B-2	317,944.20	3,414,045.80
B-3	314,205.90	3,408,578.80
B-4	318,072.70	3,411,307.20
B-5	321,086.20	3,415,819.40
B-6	321,220.90	3,414,677.70
B-7	321,109.80	3,413,518.70
B-8	317,193.90	3,412,577.10
B-9	315,092.60	3,409,394.70
B-10	321,135.30	3,421,152.10
B-11	322,200.40	3,423,210.30
B-12	324,020.30	3,423,211.80
B-13	323,327.90	3,424,613.20
B-14	322,658.20	3,425,611.50
B-15	325,355.70	3,425,616.23

CONE PENETRATION TEST COORDINATES		
	NORTHING	EASTING
C-1	321940.5	3416845.3
C-2	319698.6238	3416442.535
C-3	318997.6951	3415654.165
C-4	317944.2	3414045.8
C-5	317087.7	3412839.2
C-6	316169.4	3411478.9
C-7	315321.4	3410663.9
C-8	314928.9	3409817.8
C-9	314913.8	3408113.2
C-10	315929.8	3409442.4
C-11	318072.7	3411307.2
C-12	319390.1	3412176.9
C-13	320574.8	3412670.8
C-14	322585.6	3415362.9
C-15	323055.9	3416769.5



COASTAL PROTECTION AND RESTORATION AUTHORITY		150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802
DESIGN SURVEY AND BORING LAYOUT	DESIGNED BY: T. MCCLAIN, P.E. 44567	APPROVED BY: R. SIMONEAUX, P.E. 34747
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	STATE PROJECT NUMBER: TE-0138	DRAWN BY: S. FAUST
DATE: MAY 2020		SHEET 15 OF 35
BY		DESCRIPTION
REV		DATE

NOTES:

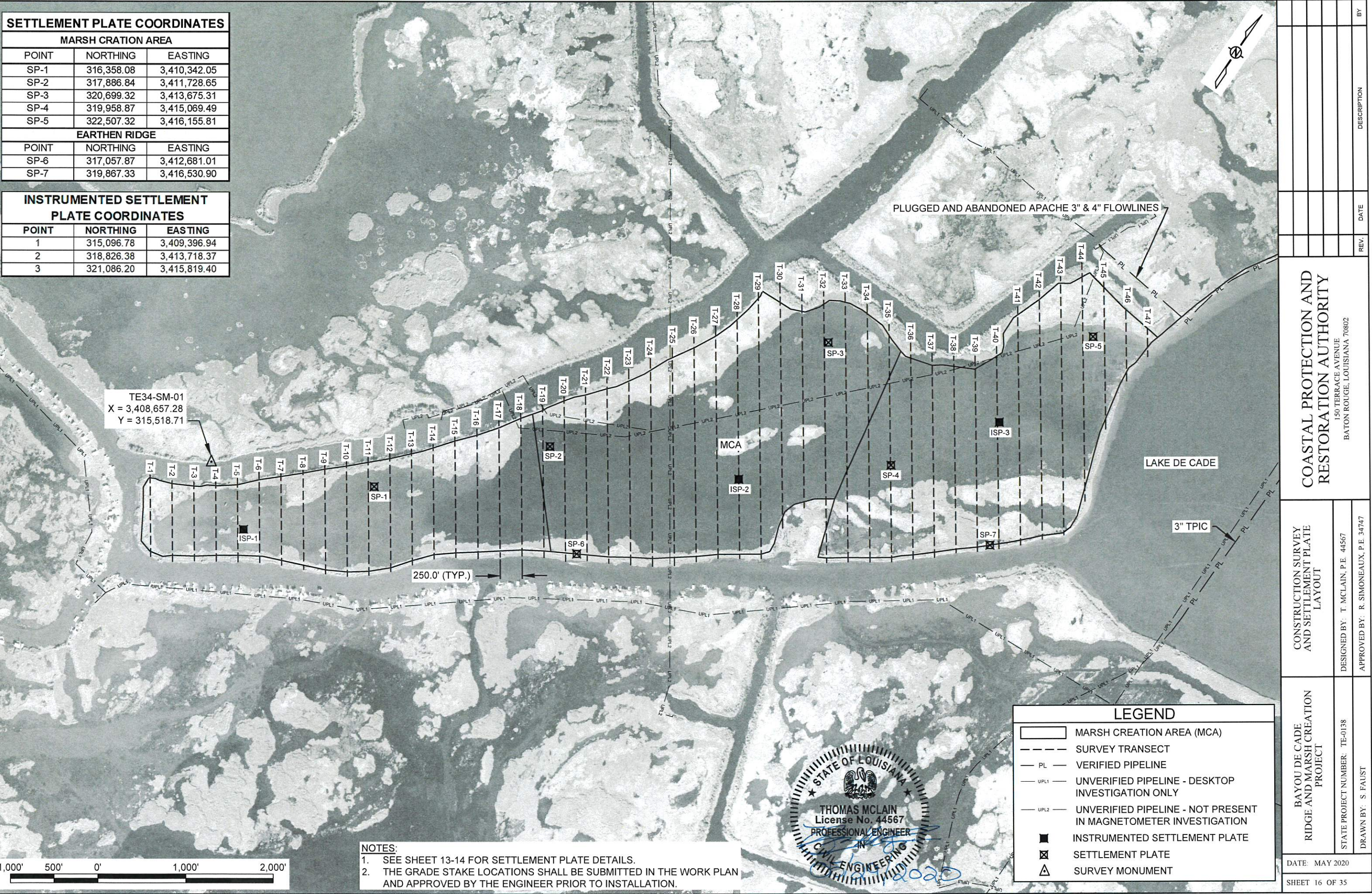
1. THE EXISTING ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE DESIGN SURVEYS PERFORMED FROM OCTOBER 2017 THROUGH FEBRUARY 2018 BY OCEANEERING INTERNATIONAL, INC. AND JULY 2019 THROUGH AUGUST 2019 BY LONNIE G. HARPER AND ASSOCIATES, INC. THE DESIGN SURVEY REPORTS ARE PROVIDED IN THE SPECIFICATIONS.
2. A GEOTECHNICAL INVESTIGATION WAS PERFORMED BY FUGRO USA LAND, INC. ON MARCH 2018 TO APRIL 2018. THE BORING LOCATIONS ARE SHOWN ON THE PLANS. THE GEOTECHNICAL INVESTIGATION REPORT IS PROVIDED IN THE SPECIFICATIONS.



# SETTLEMENT PLATE COORDINATES

MARSH CRATION AREA		
POINT	NORTHING	EASTING
SP-1	316,358.08	3,410,342.05
SP-2	317,886.84	3,411,728.65
SP-3	320,699.32	3,413,675.31
SP-4	319,958.87	3,415,069.49
SP-5	322,507.32	3,416,155.81
EARTHEN RIDGE		
POINT	NORTHING	EASTING
SP-6	317,057.87	3,412,681.01
SP-7	319,867.33	3,416,530.90

INSTRUMENTED SETTLEMENT PLATE COORDINATES		
POINT	NORTHING	EASTING
1	315,096.78	3,409,396.94
2	318,826.38	3,413,718.37
3	321,086.20	3,415,819.40



# COASTAL PROTECTION AND RESTORATION AUTHORITY

150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

# CONSTRUCTION SURVEY AND SETTLEMENT PLATE LAYOUT

DESIGNED BY: T. MCLAIN, P.E. 44567  
APPROVED BY: R. SIMONEAUX, P.E. 34747

# BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT

STATE PROJECT NUMBER: TE-0138  
DRAWN BY: S. FAUST

DATE: MAY 2020

SHEET 16 OF 35

REV.	DATE	DESCRIPTION	BY

# LEGEND

- MARSH CREATION AREA (MCA)
- SURVEY TRANSECT
- VERIFIED PIPELINE
- UNVERIFIED PIPELINE - DESKTOP INVESTIGATION ONLY
- UNVERIFIED PIPELINE - NOT PRESENT IN MAGNETOMETER INVESTIGATION
- INSTRUMENTED SETTLEMENT PLATE
- SETTLEMENT PLATE
- SURVEY MONUMENT

# NOTES:

- SEE SHEET 13-14 FOR SETTLEMENT PLATE DETAILS.
- THE GRADE STAKE LOCATIONS SHALL BE SUBMITTED IN THE WORK PLAN AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.



SETTLEMENT PLATE COORDINATES

MARSH CRATION AREA		
POINT	NORTHING	EASTING
SP-1	316,358.08	3,410,342.05
SP-2	317,886.84	3,411,728.65
SP-3	320,699.32	3,413,675.31
SP-4	319,958.87	3,415,069.49
SP-5	322,507.32	3,416,155.81
EARTHEN RIDGE		
POINT	NORTHING	EASTING
SP-6	317,057.87	3,412,681.01
SP-7	319,867.33	3,416,530.90

INSTRUMENTED SETTLEMENT  
PLATE COORDINATES

POINT	NORTHING	EASTING
1	315,096.78	3,409,396.94
2	318,826.38	3,413,718.37
3	321,086.20	3,415,819.40



COASTAL PROTECTION AND  
RESTORATION AUTHORITY

150 TERRACE AVENUE  
BATON ROUGE, LOUISIANA 70802

CONSTRUCTION SURVEY  
AND SETTLEMENT PLATE  
LAYOUT

DESIGNED BY: T. MCCLAIN, P.E. 44567  
APPROVED BY: R. SIMONEAUX, P.E. 34747

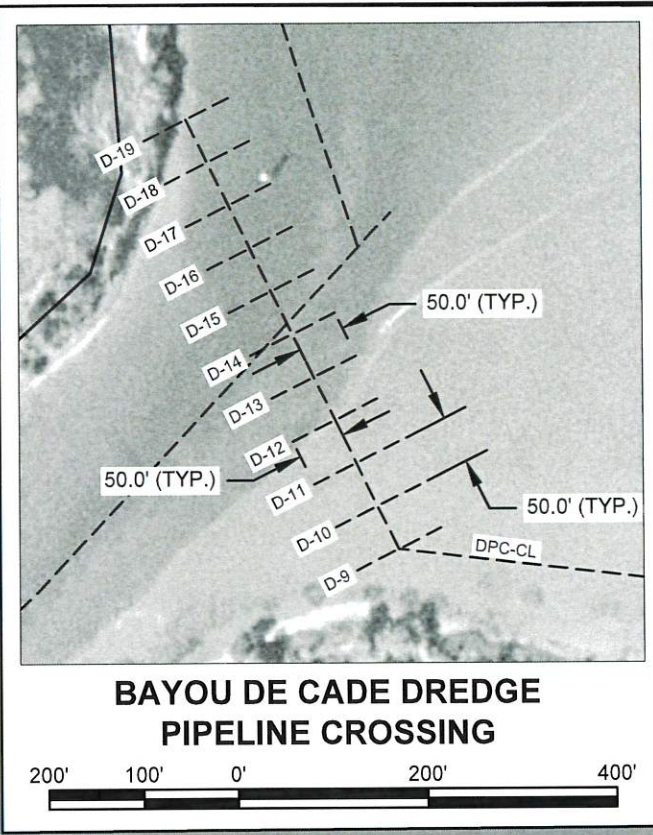
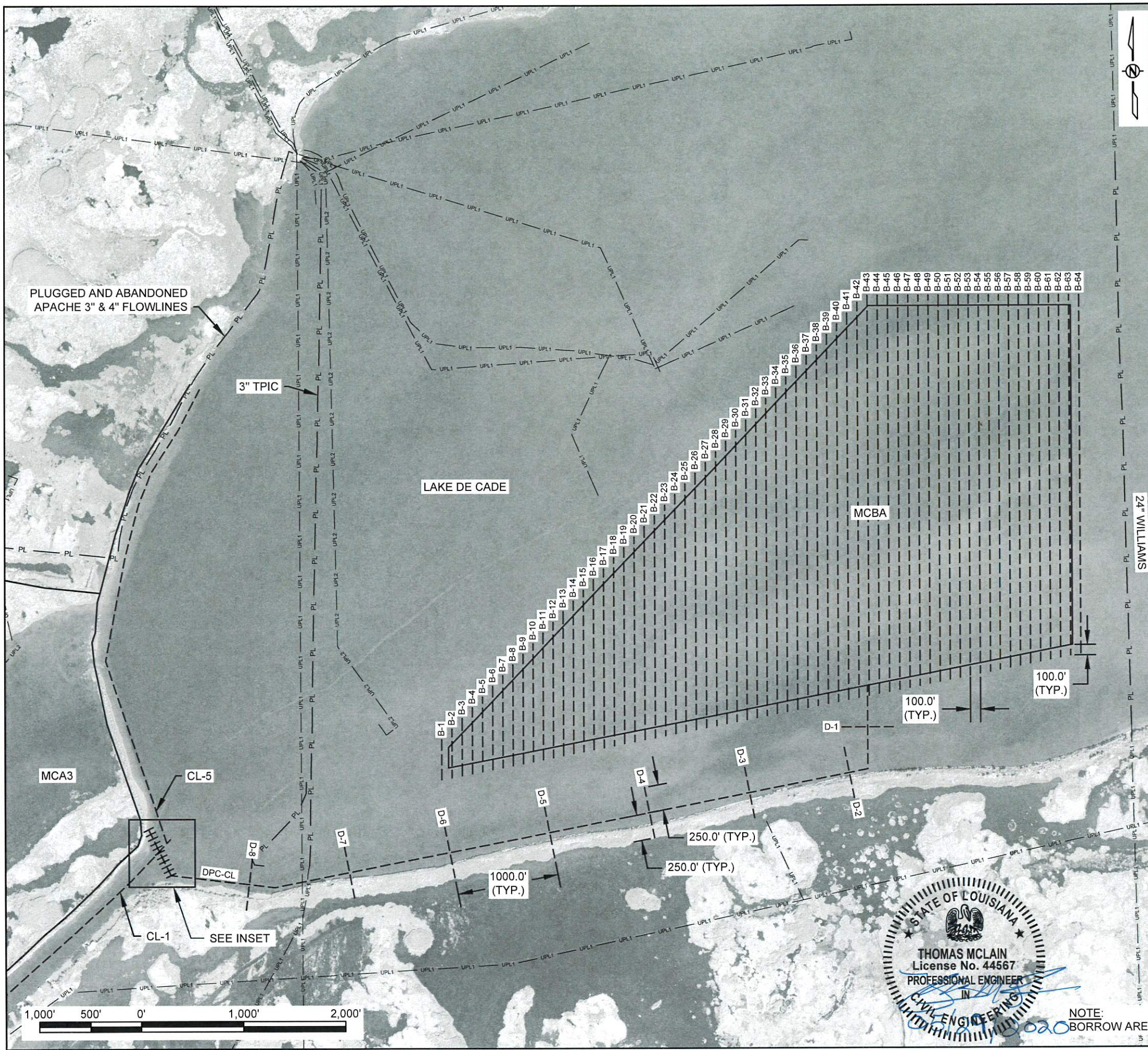
BAYOU DE CADE  
RIDGE AND MARSH CREATION  
PROJECT

STATE PROJECT NUMBER: TE-0138  
DRAWN BY: S. FAUST

DATE: MAY 2020

REV.	DATE	DESCRIPTION	BY





LEGEND	
---	SURVEY TRANSECT
— PL —	VERIFIED PIPELINE
— UPL1 —	UNVERIFIED PIPELINE - DESKTOP INVESTIGATION ONLY
— UPL2 —	UNVERIFIED PIPELINE - NOT PRESENT IN MAGNETOMETER INVESTIGATION



NOTE: BORROW AREA SHALL NOT BE EXCAVATED BELOW -12.5' NAVD88, GEOID 12A.

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
CONSTRUCTION SUREY AND SETTLEMENT PLATE LAYOUT		DESIGNED BY: T. MCLAIN, P.E. P.E. NO. 44567			
		APPROVED BY: R. SIMONEAUX, P.E. P.E. NO. 34747			
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		STATE PROJECT NUMBER: TE-0138			
		DRAWN BY: S. FAUST			
		DATE: MAY 2020			
		SHEET 18 OF 35			

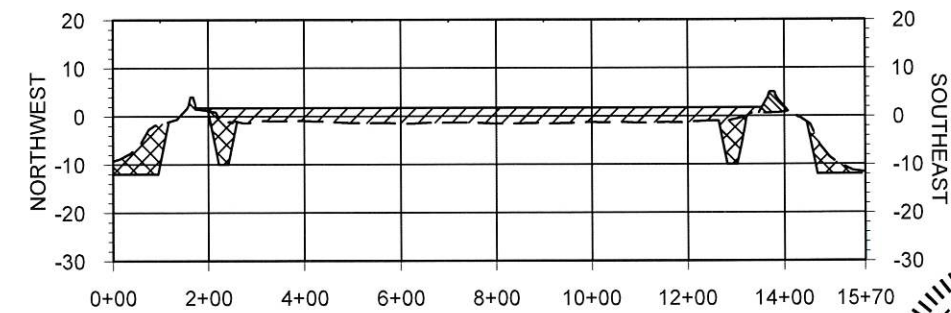
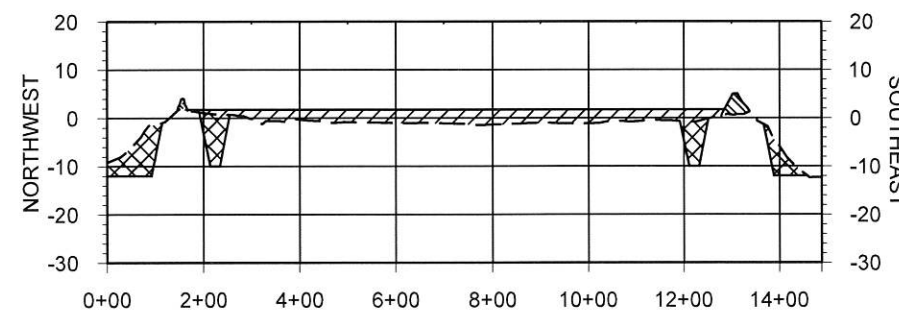
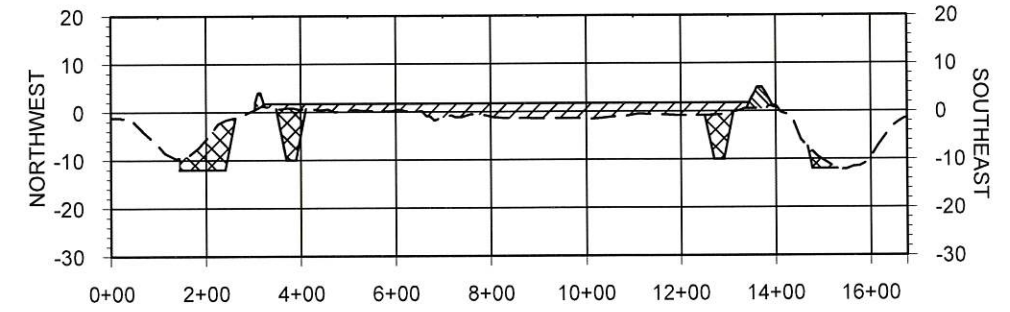
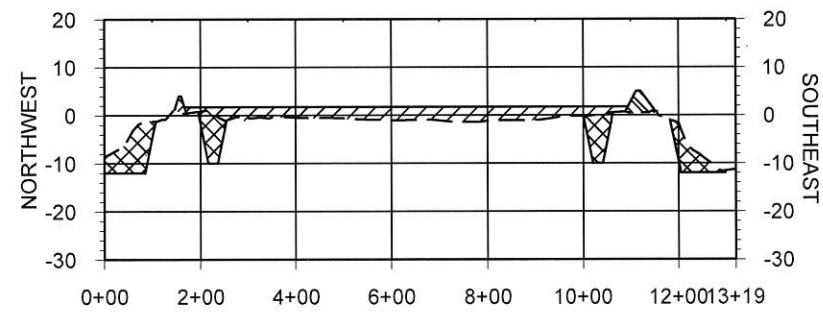
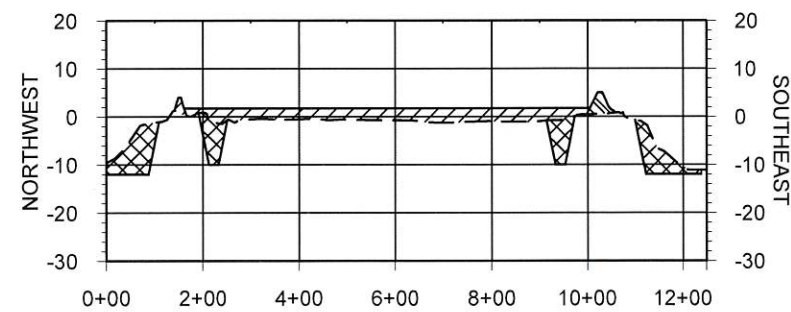
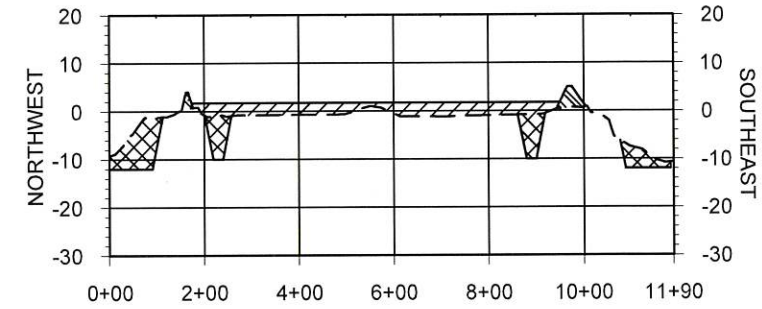
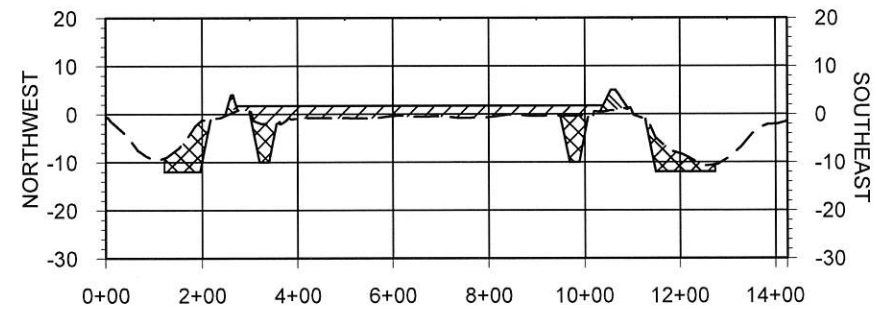
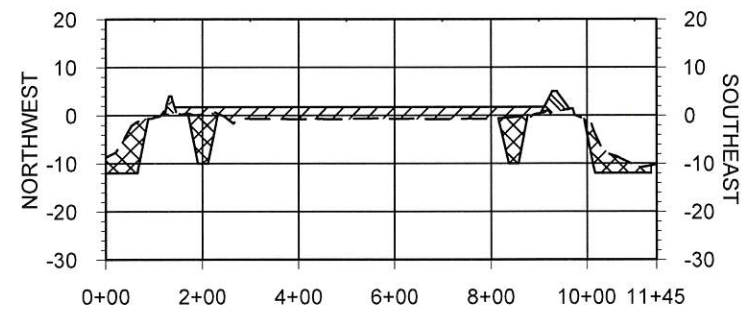
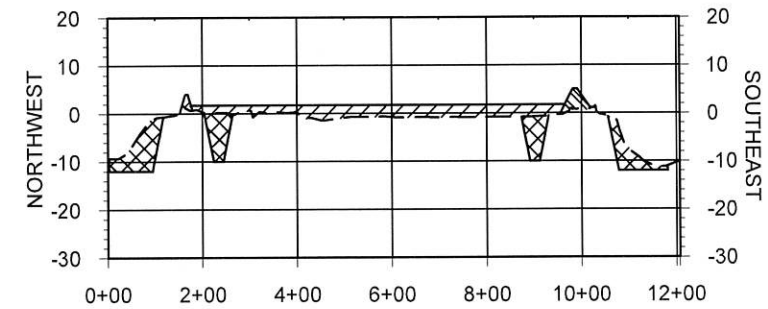
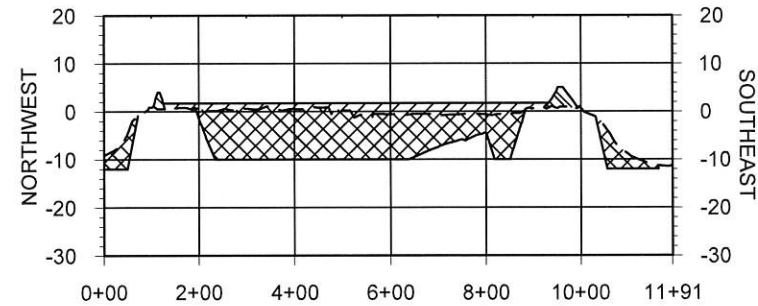
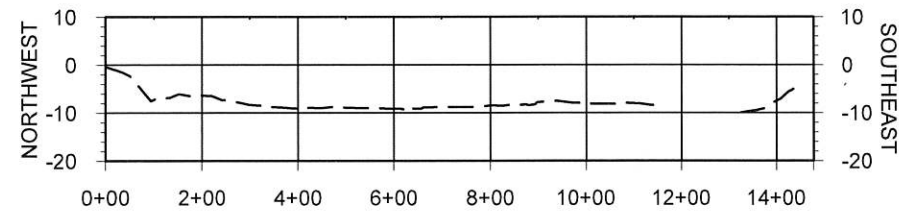




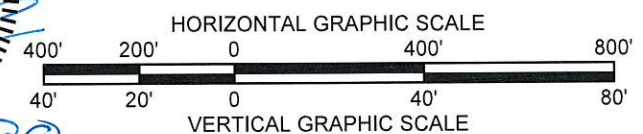
LEGEND	
	MARSH CREATION AREA (MCA)
	SURVEY TRANSECT
	PL VERIFIED PIPELINE
	UPL1 UNVERIFIED PIPELINE - DESKTOP INVESTIGATION ONLY
	UPL2 UNVERIFIED PIPELINE - NOT PRESENT IN MAGNETOMETER INVESTIGATION

BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		CONSTRUCTION SURVEY AND SETTLEMENT PLATE LAYOUT		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	
DATE: MAY 2020	STATE PROJECT NUMBER: TE-0138	DESIGNED BY: T. MCCLAIN, P.E. 44567	APPROVED BY: R. SIMONEAUX, P.E. 34747	REV.	DATE
SHEET 19 OF 35				DESCRIPTION	BY



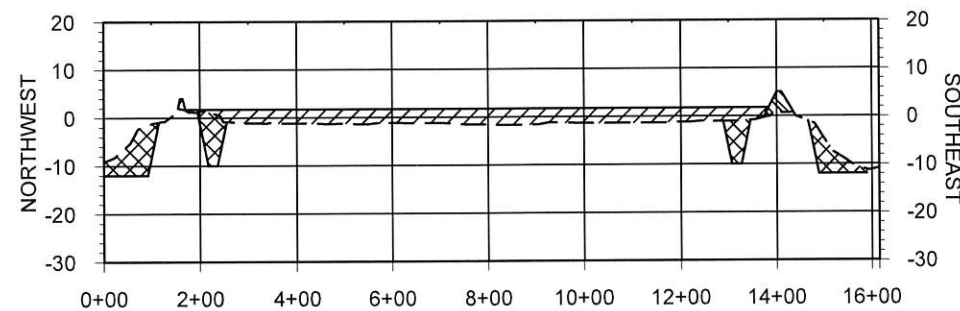


Professional Engineer Seal for Thomas McLain, State of Louisiana, License No. 44567, Civil Engineering. The seal is circular with a scalloped border. Inside the border, the text "STATE OF LOUISIANA" is at the top, "THOMAS MCLAIN" is in the center, "License No. 44567" is below the name, "PROFESSIONAL ENGINEER" is below the license number, and "CIVIL ENGINEERING" is at the bottom. A blue ink signature is written across the seal, and the date "12/2020" is written in blue ink at the bottom right.

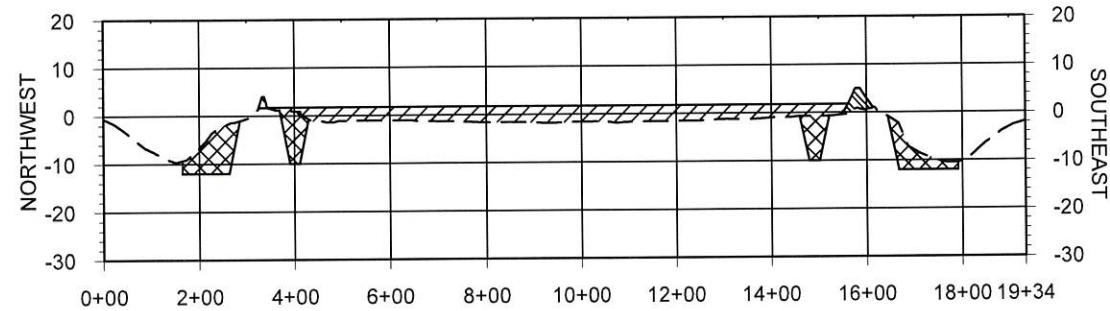


DATE: MAY 2020													
SHEET 20 OF 35													
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		SECTIONS							COASTAL PROTECTION AND RESTORATION AUTHORITY  150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802				
STATE PROJECT NUMBER: TE-0138		DESIGNED BY: T. MCCLAIN, P.E. 44567											
DRAWN BY: K. CANTU		APPROVED BY: R. SIMONEAUX, P.E. 34747							REV.	DATE	DESCRIPTION		

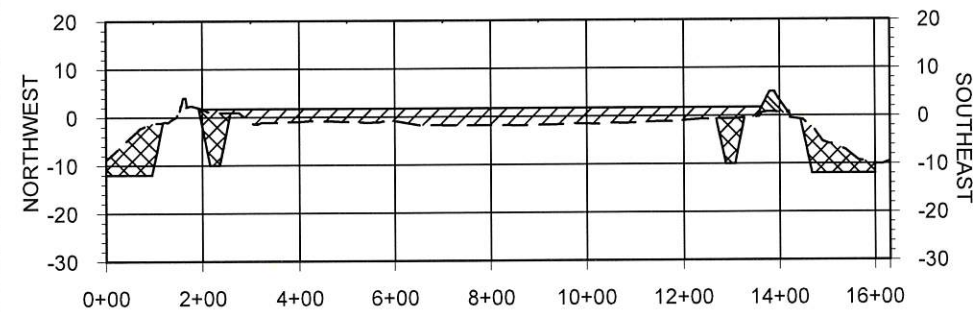




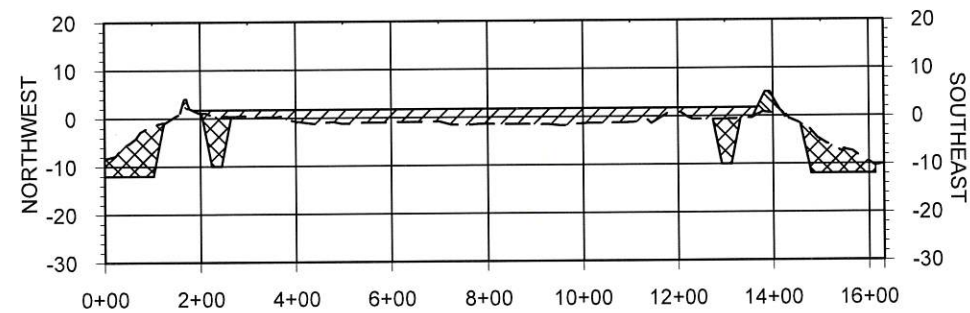
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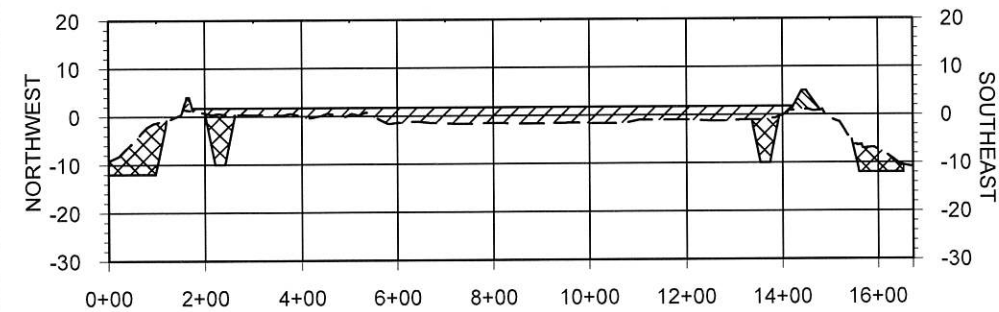
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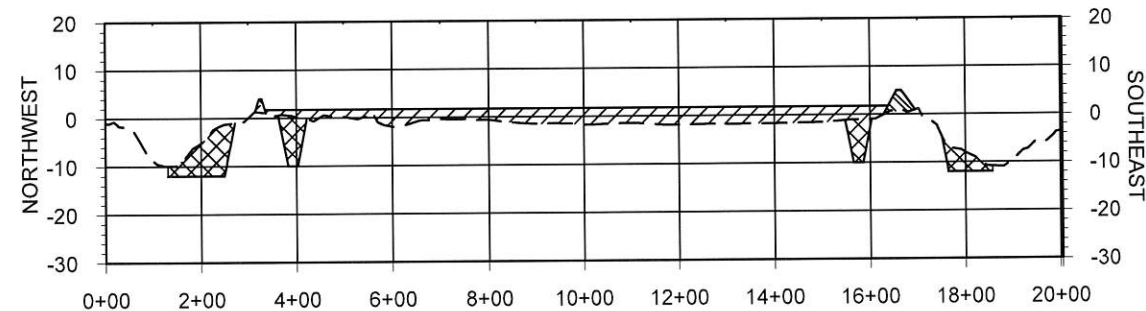
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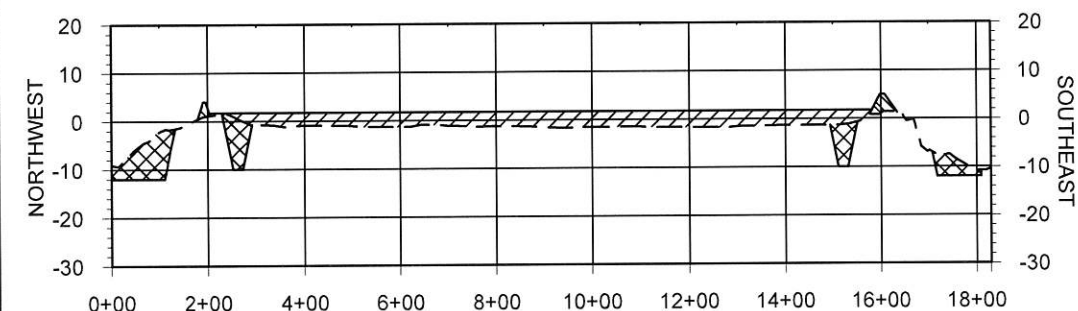
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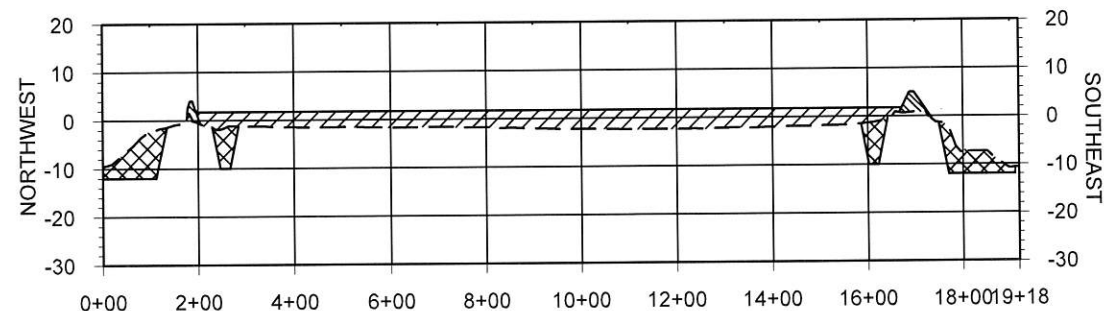
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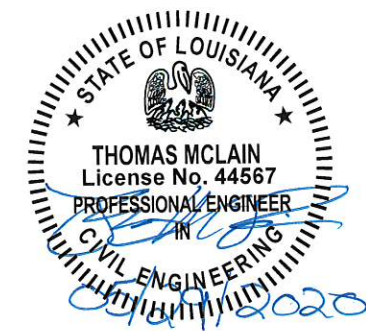
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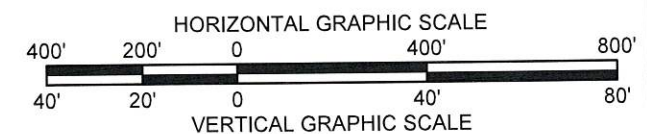
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SECTION T-19

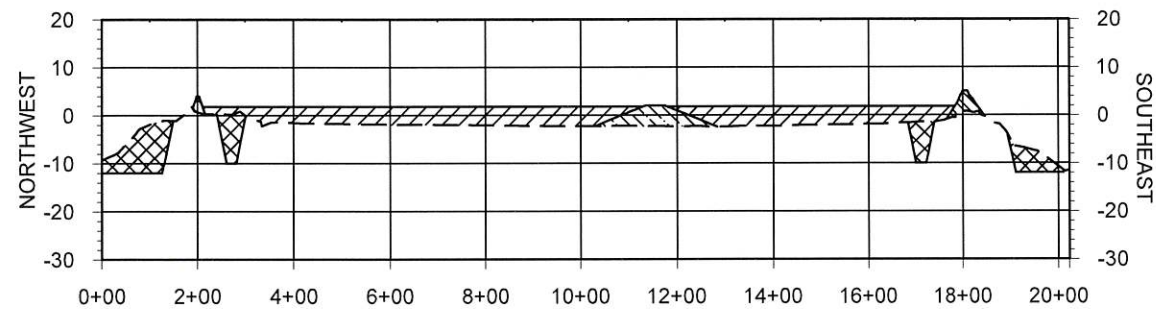


LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)
	EARTHEN RIDGE (ER)

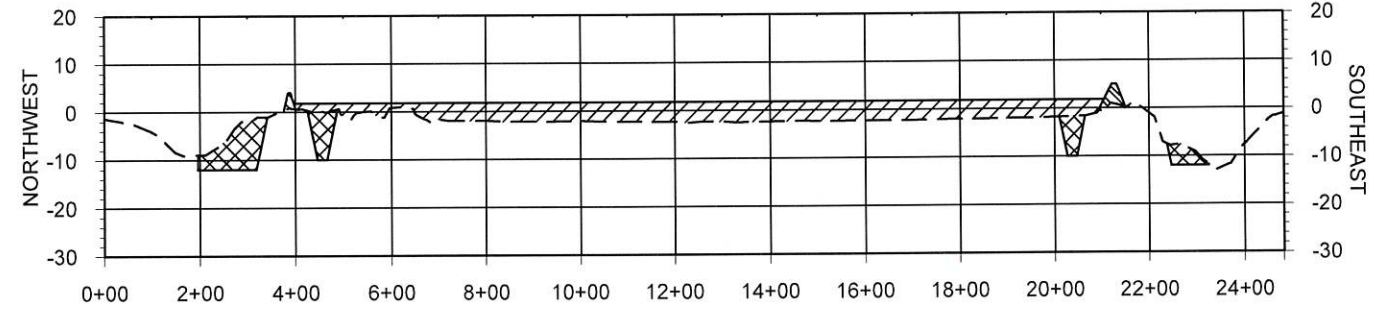


BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		SECTIONS	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
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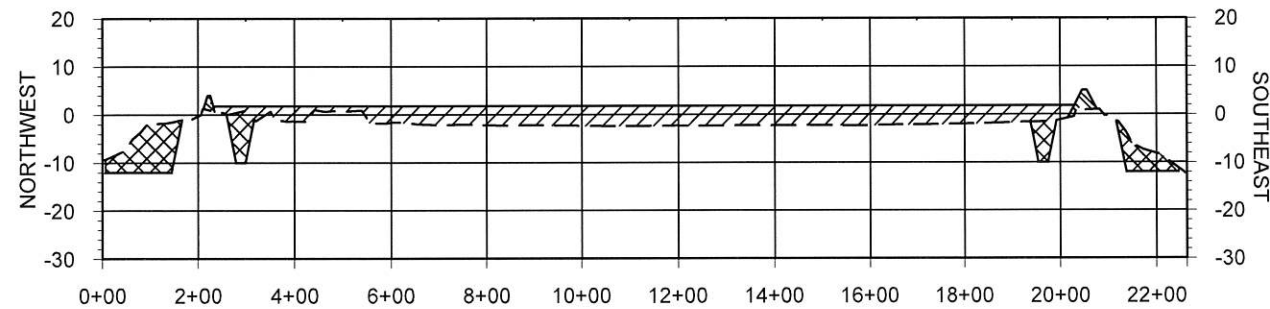




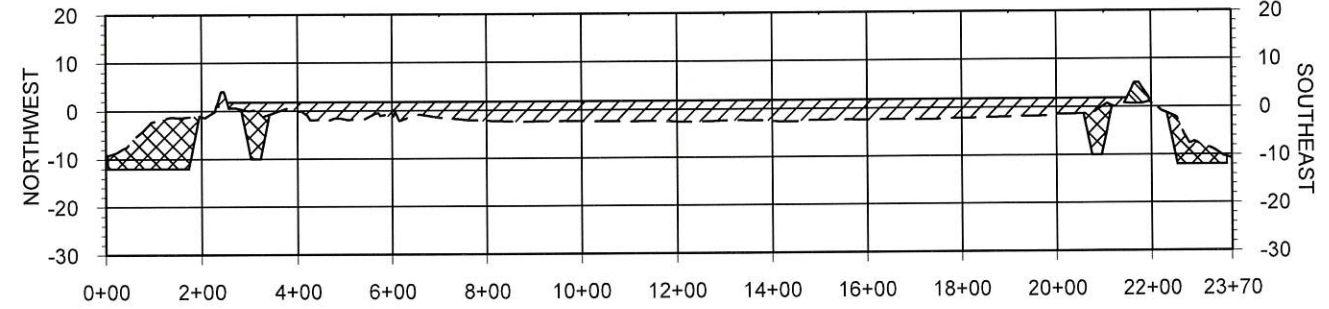
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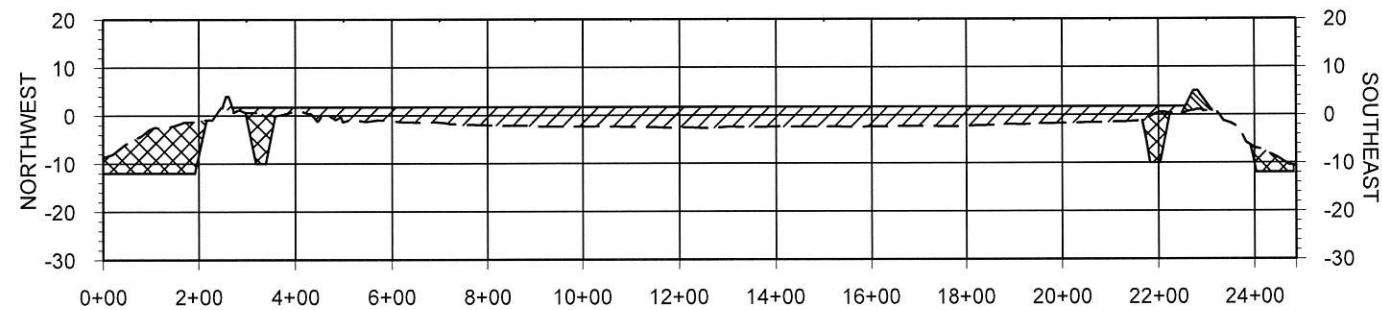
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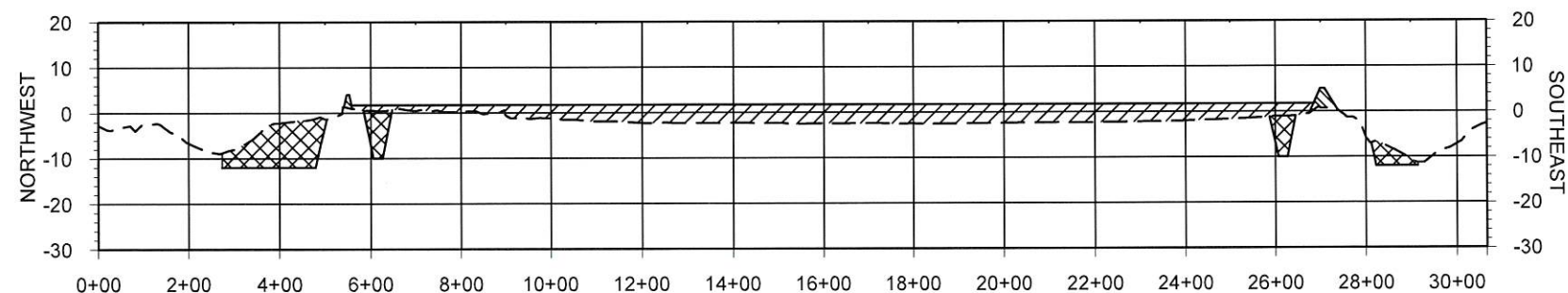
SECTION T-22



SECTION T-23



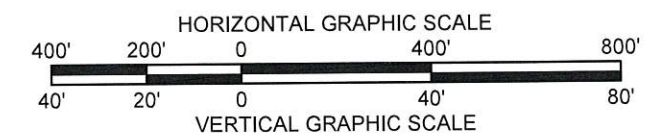
SECTION T-24



SECTION T-25

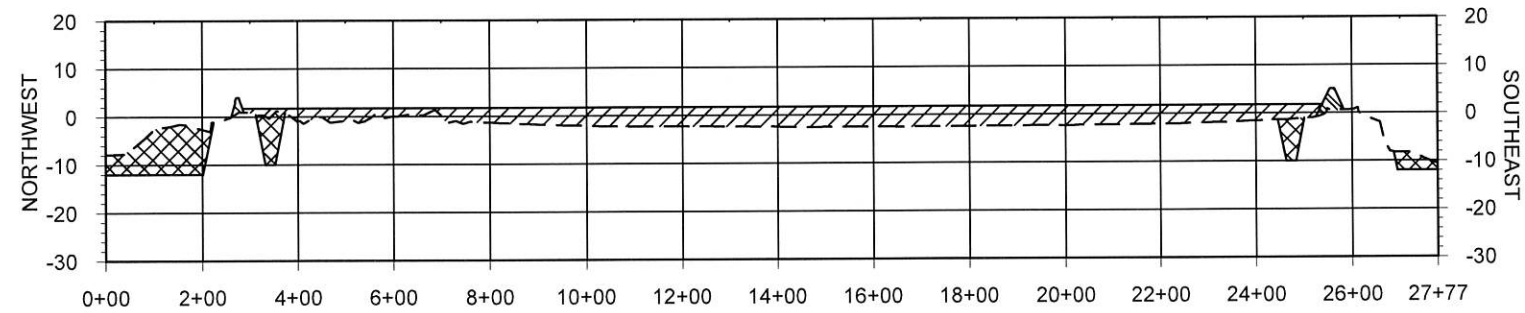


LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)
	EARTHEN RIDGE (ER)
	INTERNAL TRAINING DIKE (ITD)

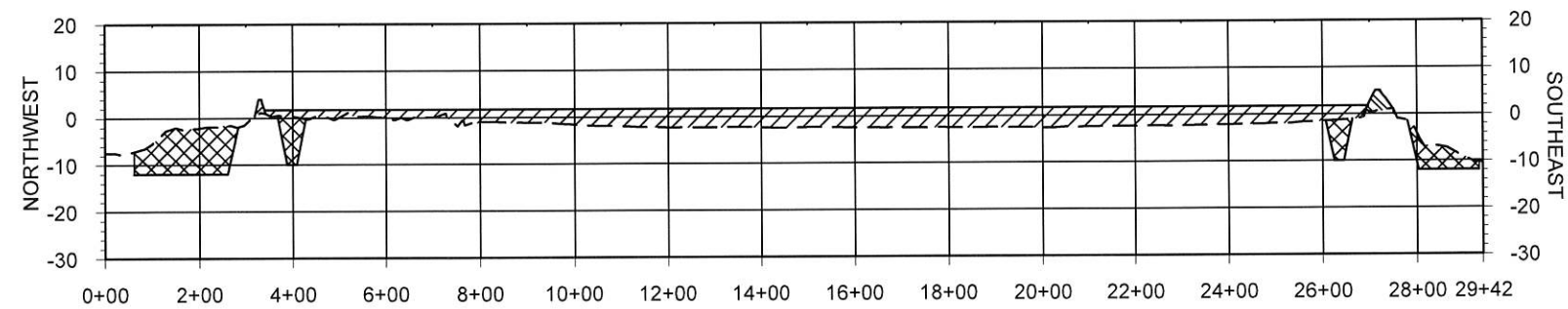


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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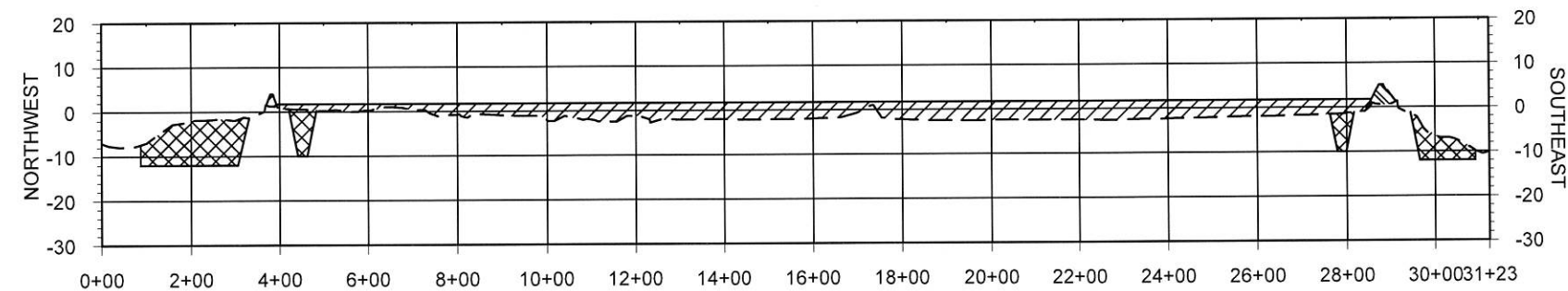




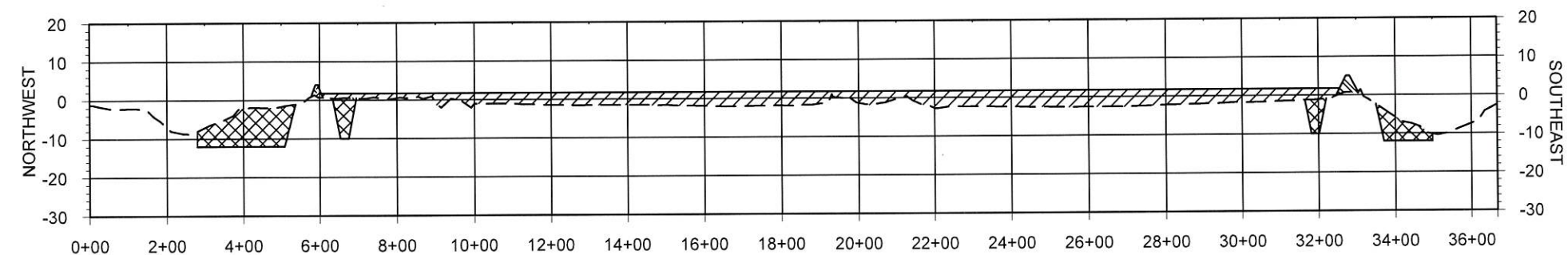
SECTION T-26



SECTION T-27



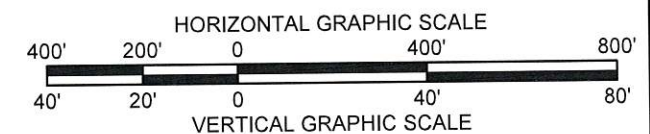
SECTION T-28



SECTION T-29

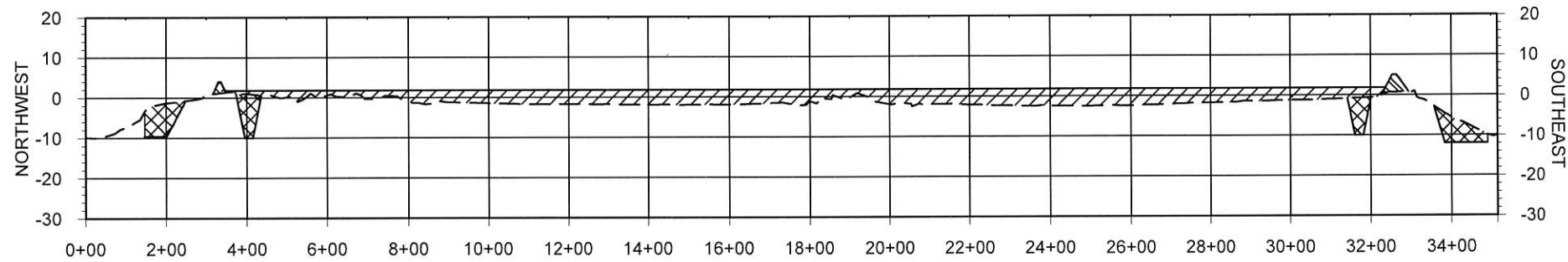


LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)
	EARTHEN RIDGE (ER)

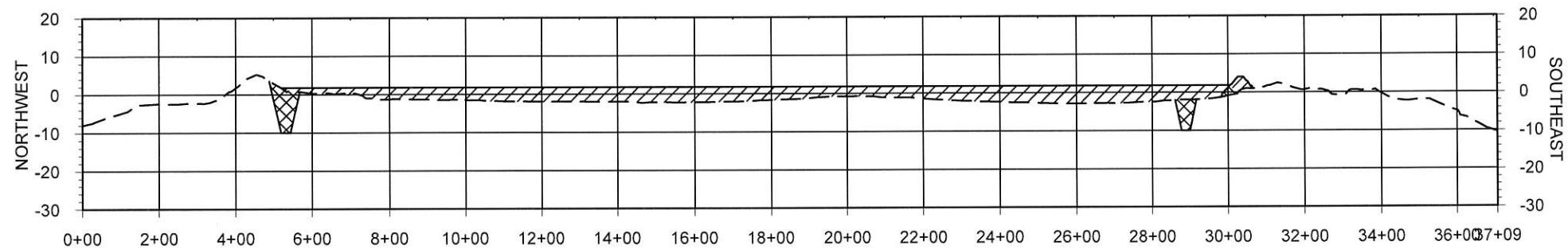


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		SECTIONS		BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		DATE: MAY 2020	
			DESIGNED BY: T. MCLAIN, P.E. 44567		STATE PROJECT NUMBER: TE-0138		SHEET 23 OF 35
			APPROVED BY: R. SIMONEAUX, P.E. 34747		DRAWN BY: K. CANTU		
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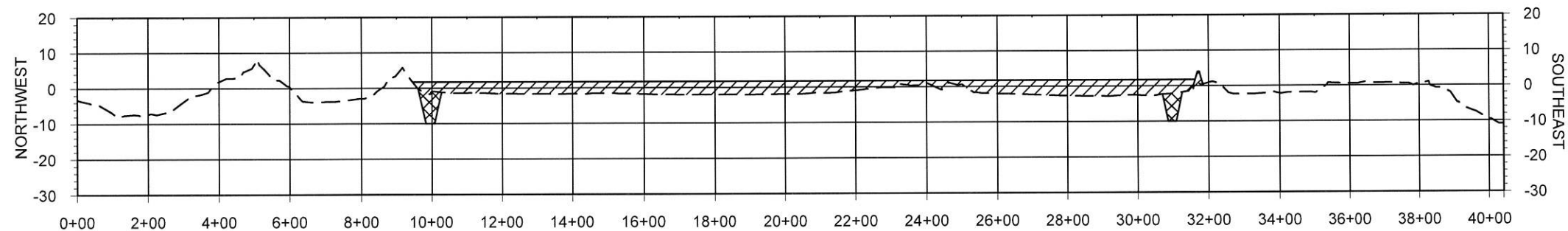




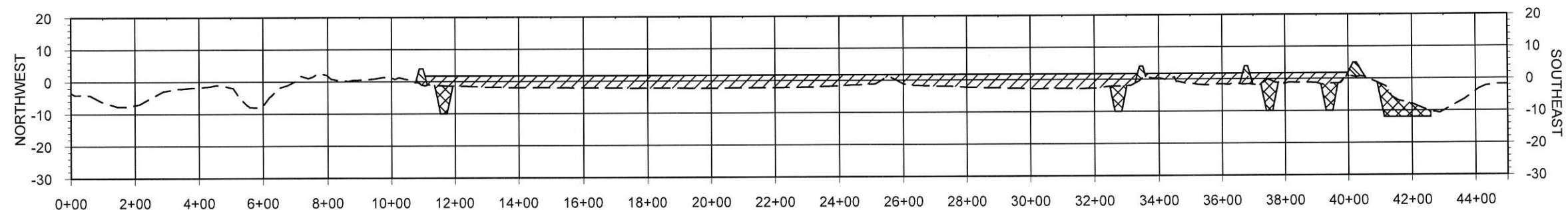
SECTION T-30



SECTION T-31

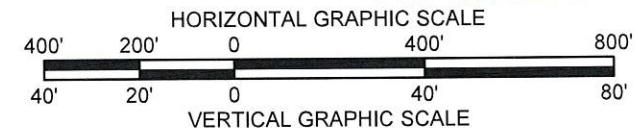


SECTION T-32



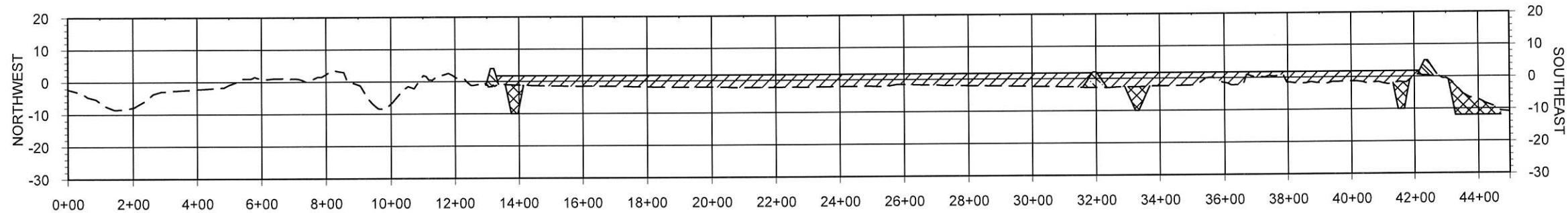
SECTION T-33

LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)
	EARTHEN RIDGE (ER)

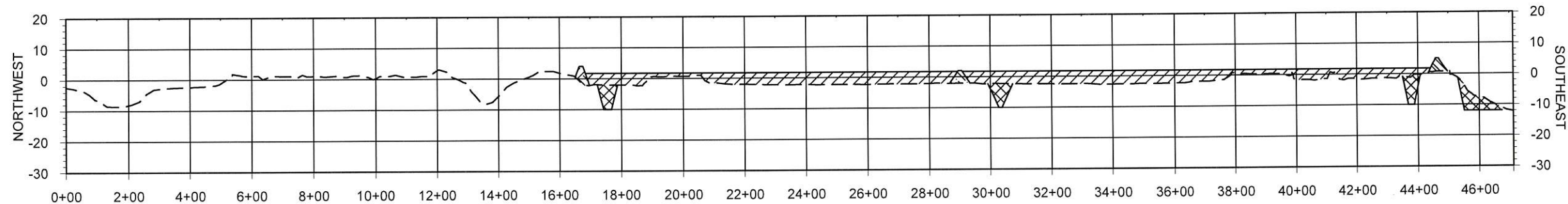


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		SECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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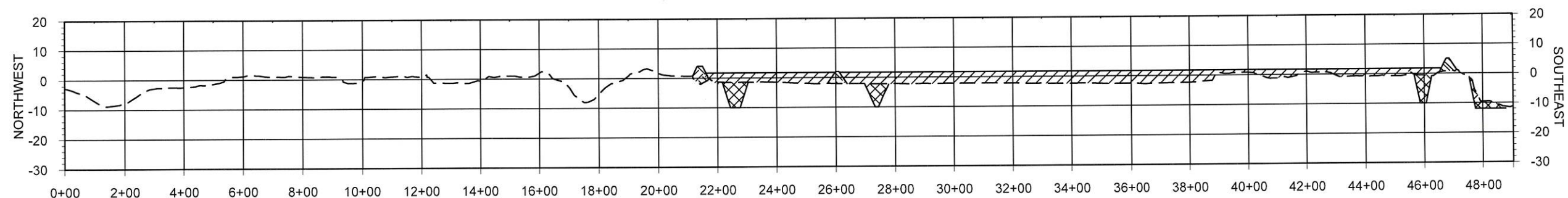




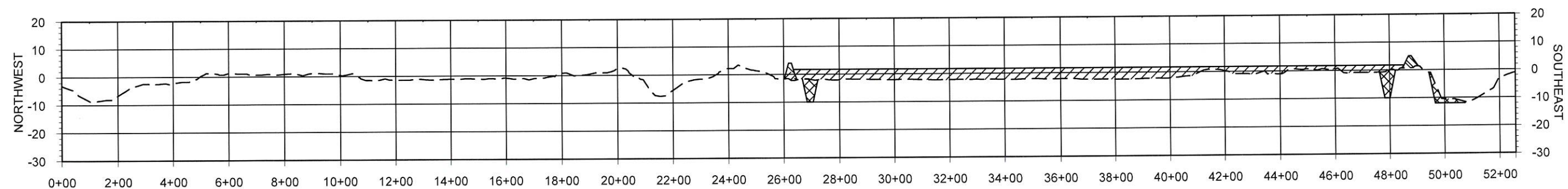
SECTION T-34



SECTION T-35

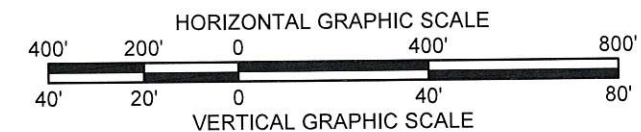


SECTION T-36



SECTION T-37

LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)
	EARTHEN RIDGE (ER)
	INTERNAL TRAINING DIKE (ITD)

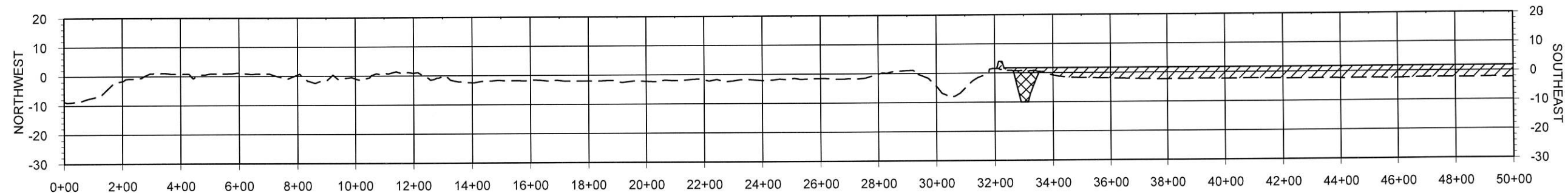


BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		SECTIONS	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802				REV.	DATE	DESCRIPTION	BY
STATE PROJECT NUMBER: TE-0138			DESIGNED BY: T. MCLAIN, P.E. 44567							
DRAWN BY: K. CANTU		APPROVED BY: R. SIMONEAUX, P.E. 34747								
DATE: MAY 2020										
SHEET 25 OF 35										

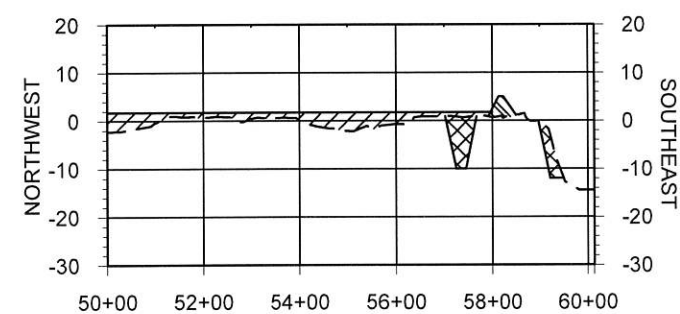




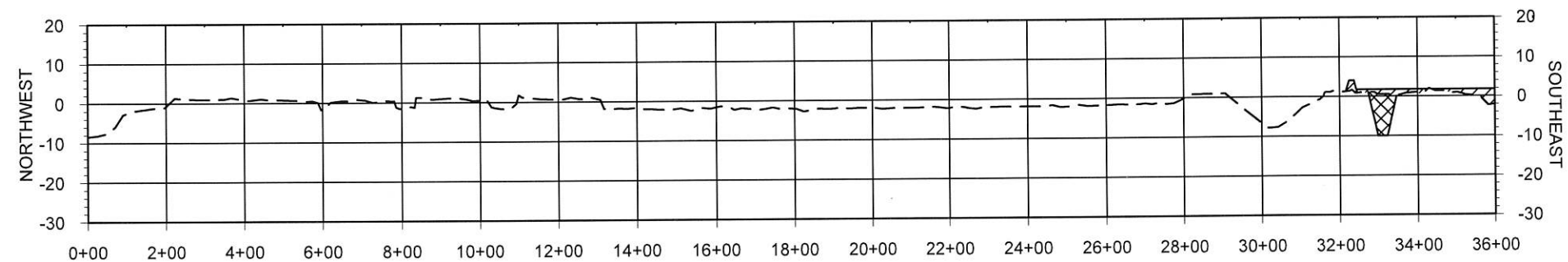




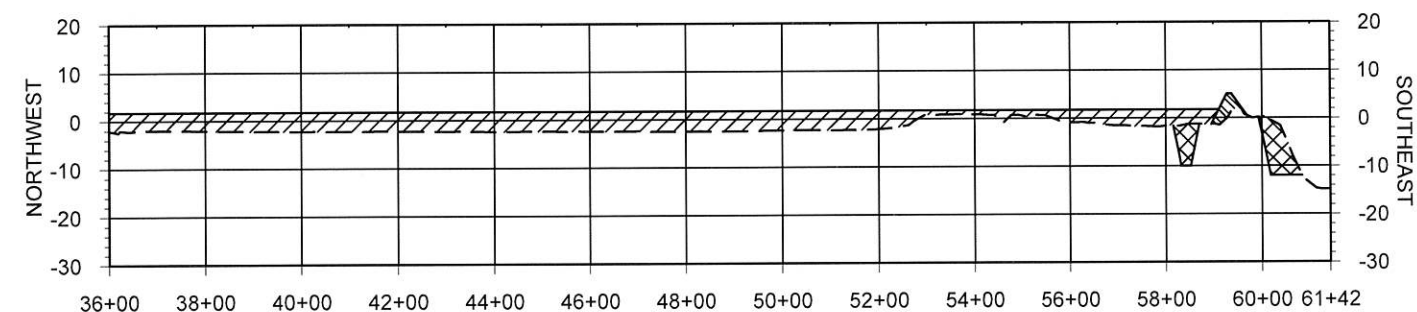
SECTION T-42



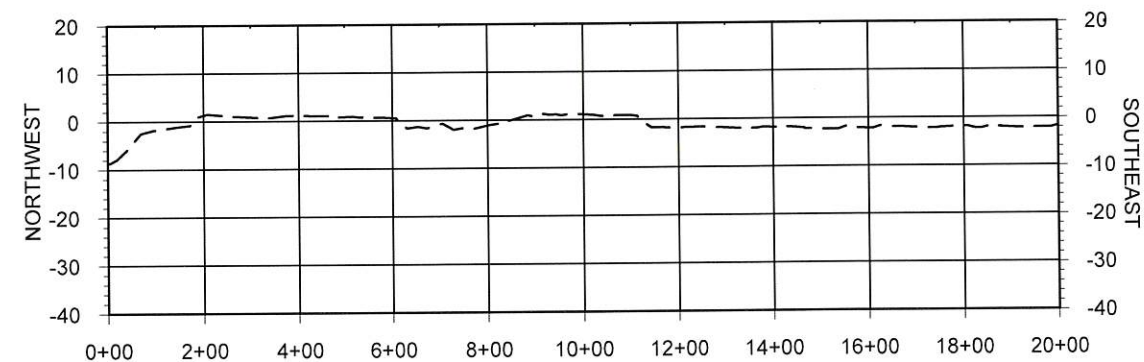
SECTION T-42 CONTINUED



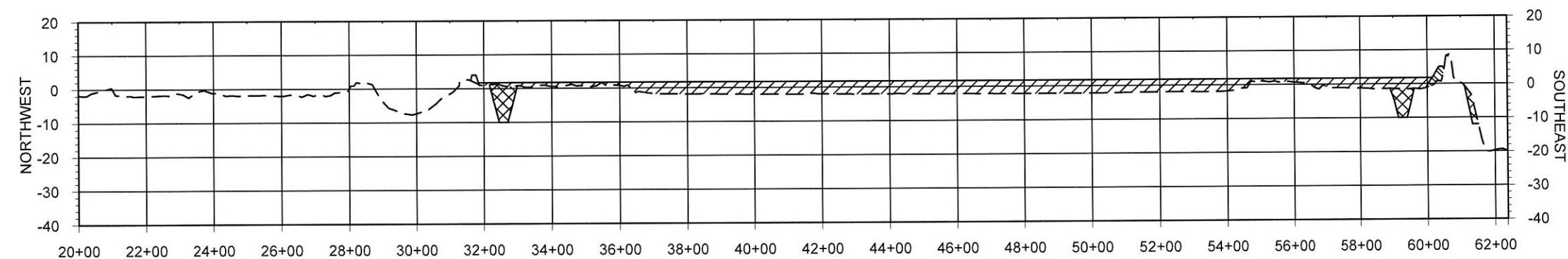
SECTION T-43



SECTION T-43 CONTINUED

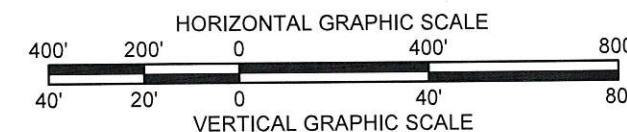
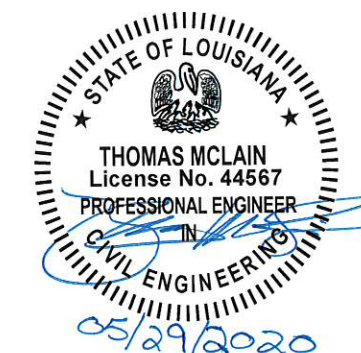


SECTION T-44



SECTION T-44 CONTINUED

LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA
	CONSTRUCTED MARSH FILL (CMF)
	EARTHEN CONTAINMENT DIKE (ECD)
	EARTHEN RIDGE (ER)

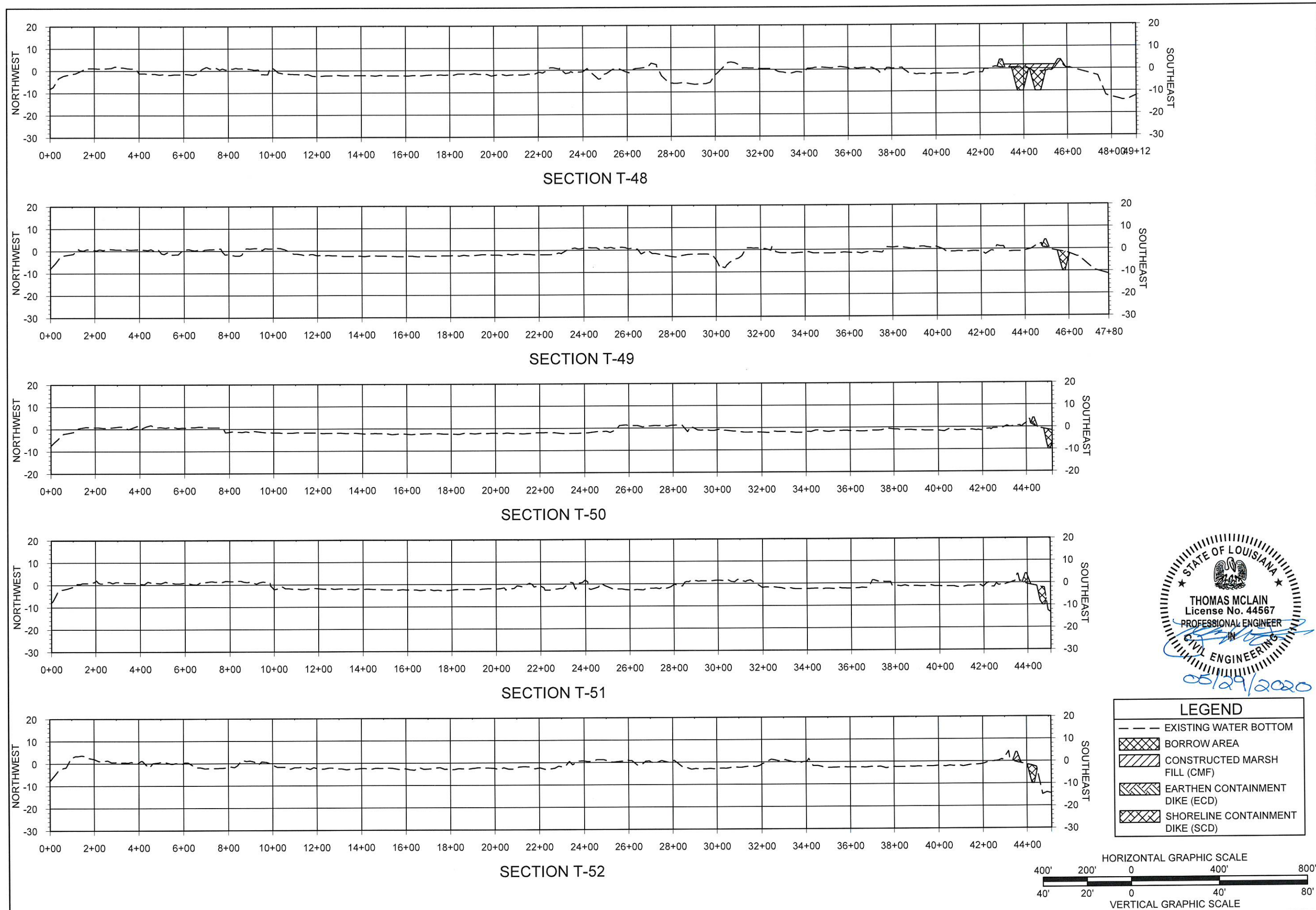


BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		SECTIONS	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802			
STATE PROJECT NUMBER: TE-0138		DESIGNED BY: T. MCLAIN, P.E. 44567				
		APPROVED BY: D. SIMONEAUX, P.E. 34747				
DATE: MAY 2020			REV.	DATE	DESCRIPTION	
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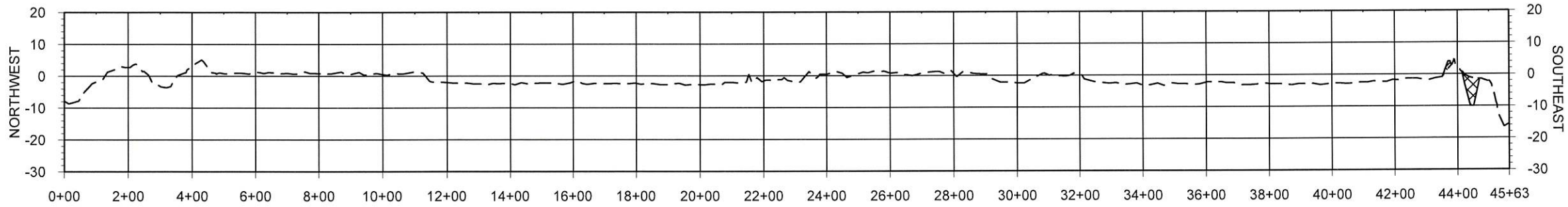




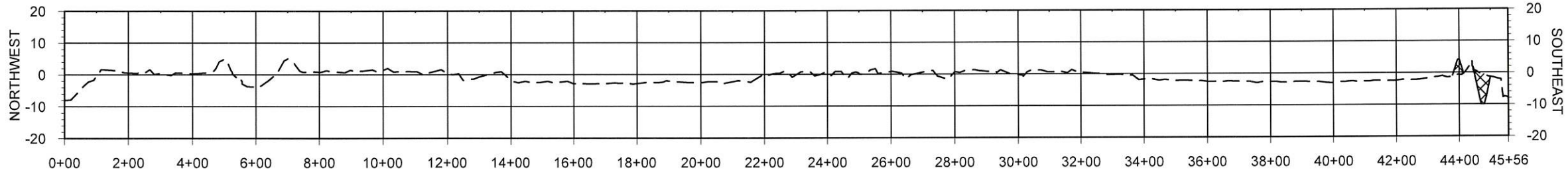


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
SECTIONS	DESIGNED BY: T. MCLAIN, P.E. 44567				
	APPROVED BY: R. SIMONEAUX, P.E. 34747				
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	STATE PROJECT NUMBER: TE-0138				
	DRAWN BY: K. CANTU				
DATE: MAY 2020					
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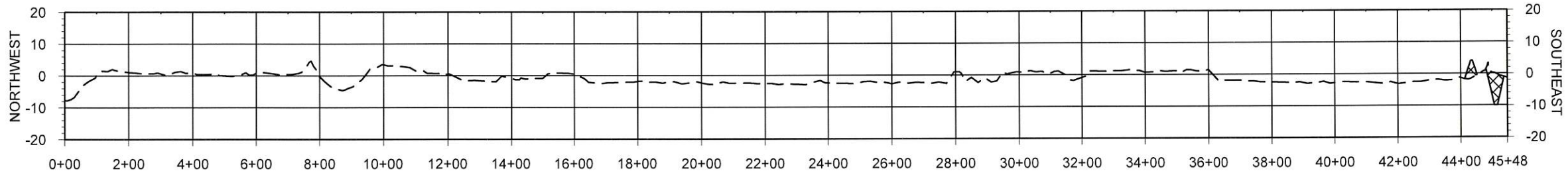




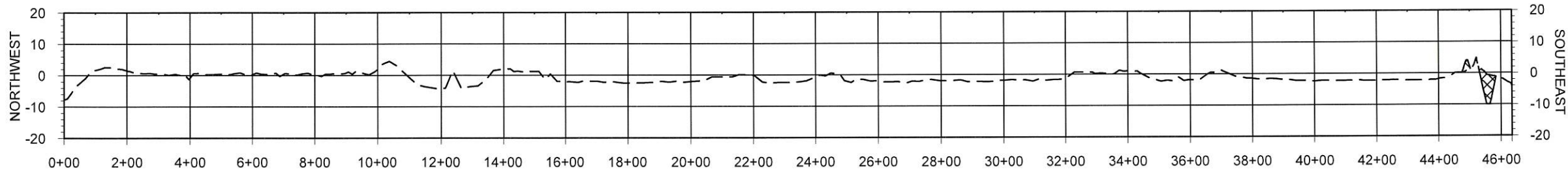
SECTION T-53



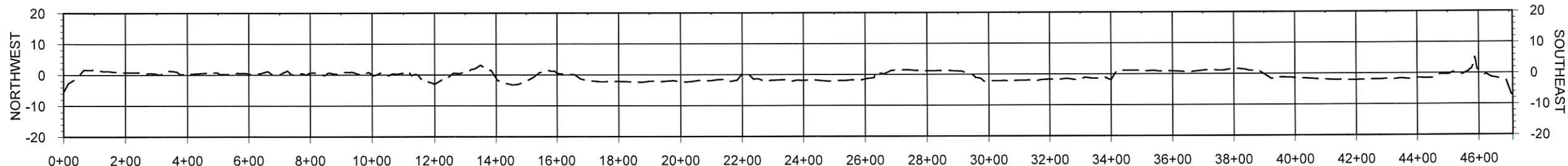
SECTION T-54



SECTION T-55



SECTION T-56



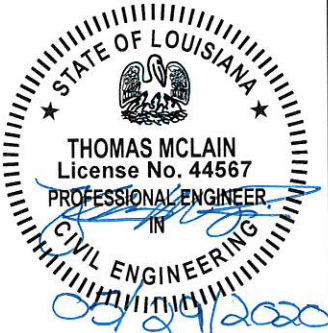
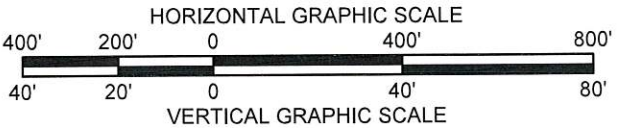
SECTION T-57

LEGEND

EXISTING WATER BOTTOM

BORROW AREA

EARTHEN CONTAINMENT DIKE (ECD)

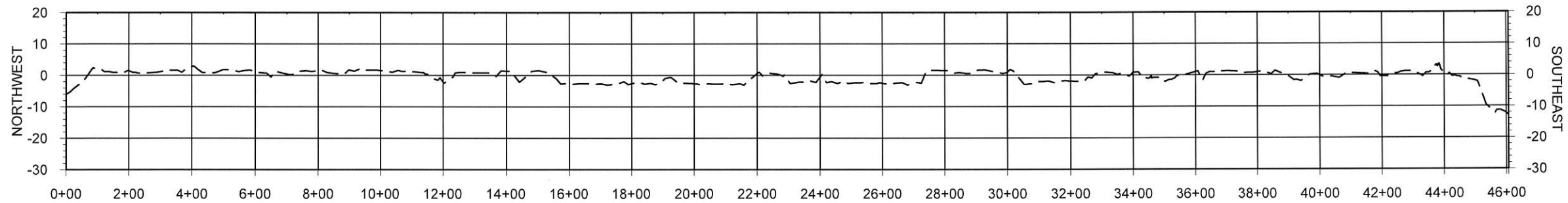


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		SECTIONS		BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT		DATE: MAY 2020	
		DESIGNED BY: T. MCLAIN, P.E. 44567		STATE PROJECT NUMBER: TE-0138		SHEET 30 OF 35	
		APPROVED BY: R. SIMONEAUX, P.E. 34747		DRAWN BY: K. CANTU			

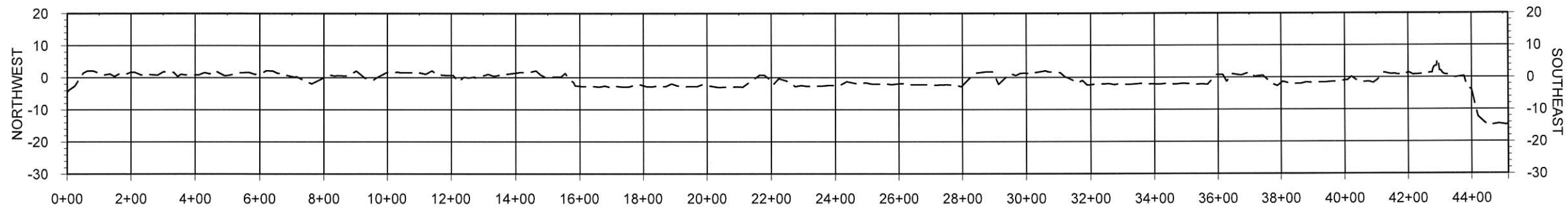




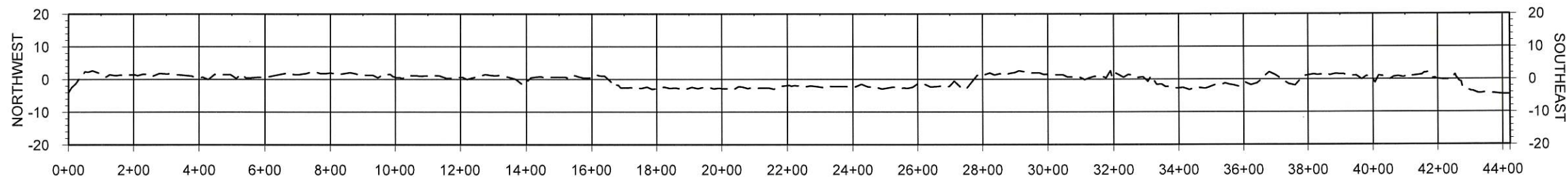




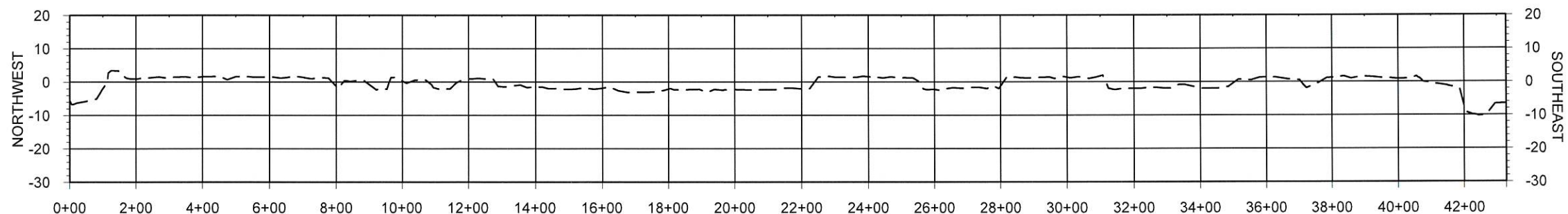
SECTION T-63



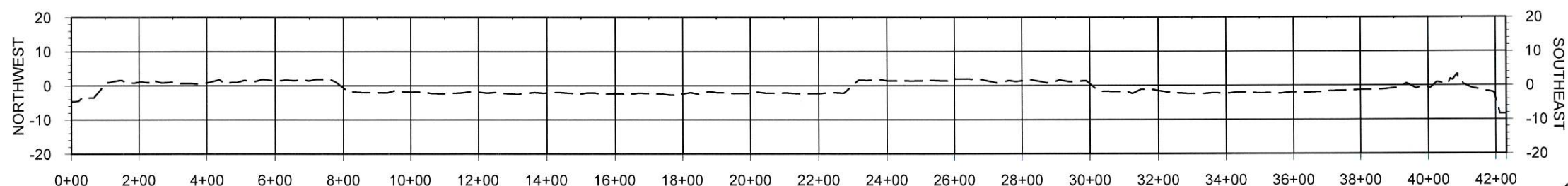
SECTION T-64



SECTION T-65



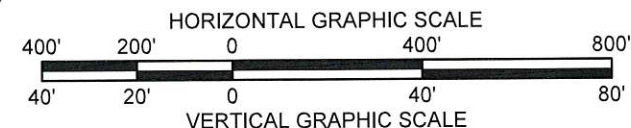
SECTION T-66



SECTION T-67

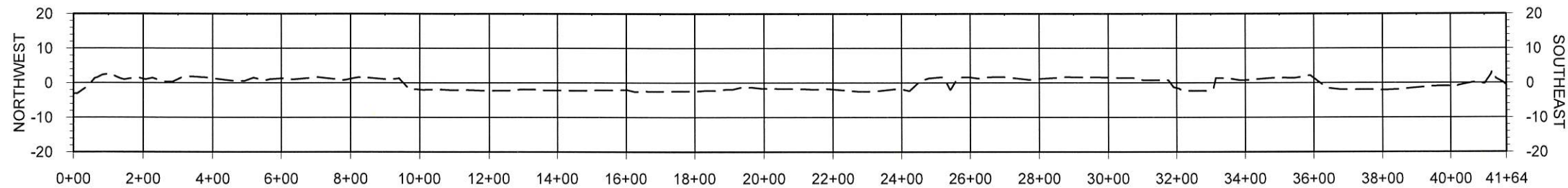


**LEGEND**  
 --- EXISTING WATER BOTTOM

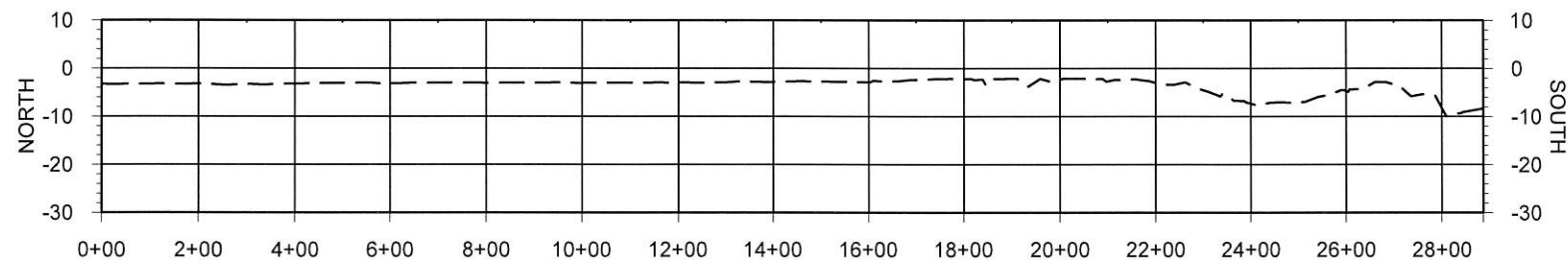


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	SECTIONS	DESIGNED BY: T. MCLAIN, P.E. 44567 APPROVED BY: R. SIMONEAUX, P.E. 34747	BY
			DATE
			REV.
			DESCRIPTION
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	STATE PROJECT NUMBER: TE-0138	DRAWN BY: K. CANTU	DATE: MAY 2020
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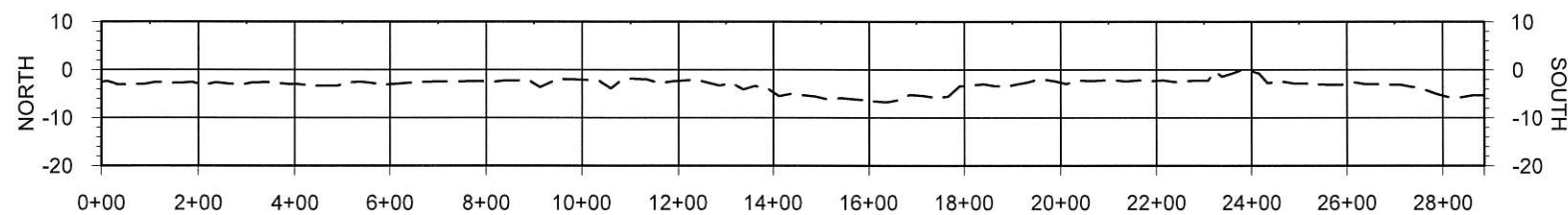




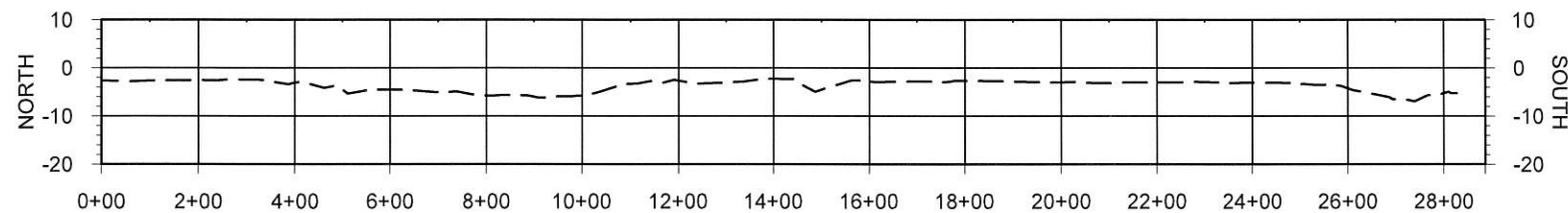
SECTION T-68



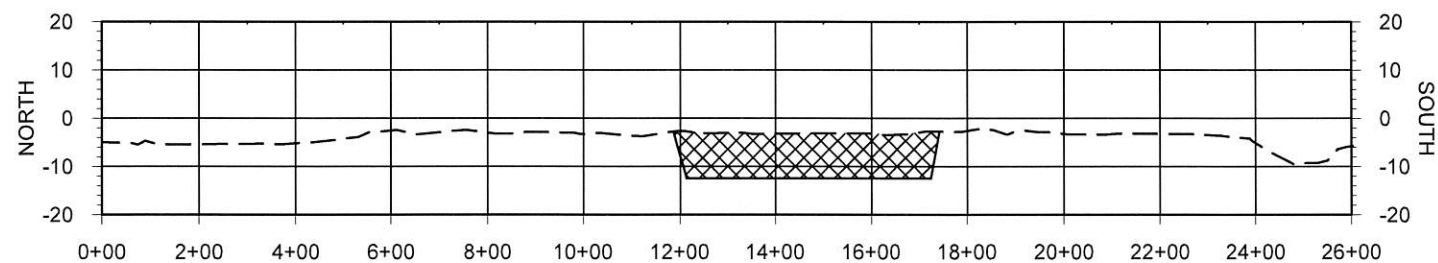
SECTION T-69



SECTION T-70



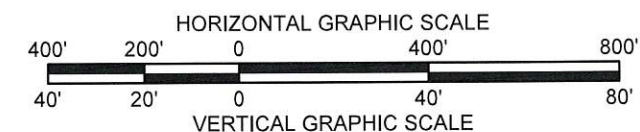
SECTION T-71



SECTION T-72

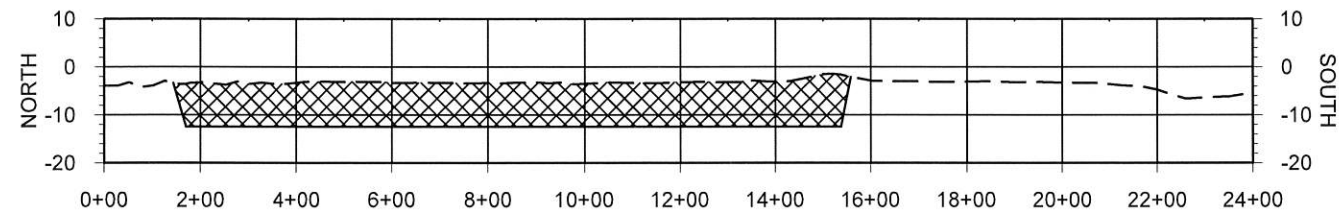


LEGEND	
---	EXISTING WATER BOTTOM
	BORROW AREA

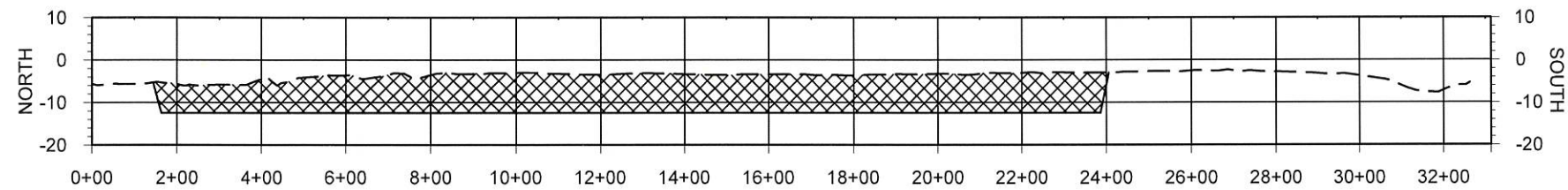


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY

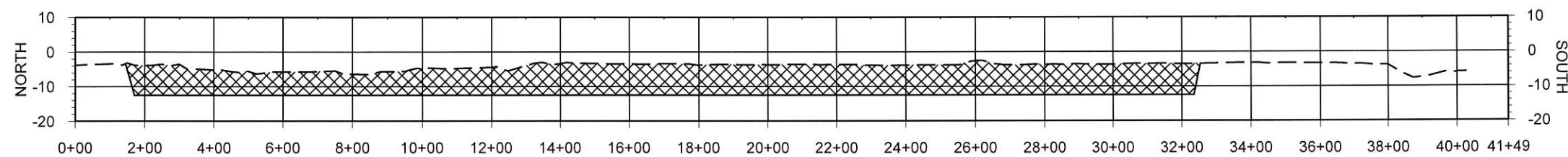




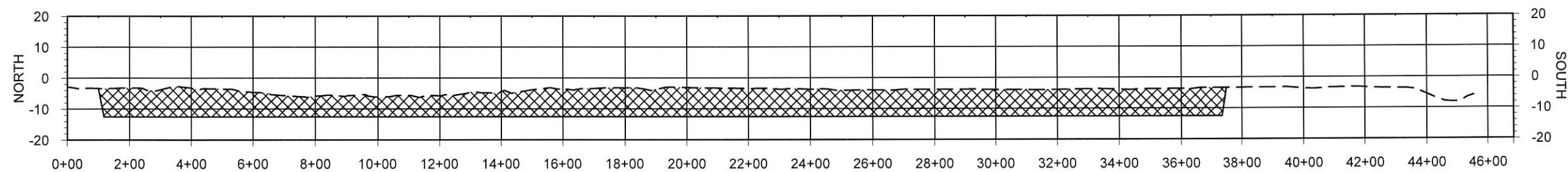
SECTION T-73



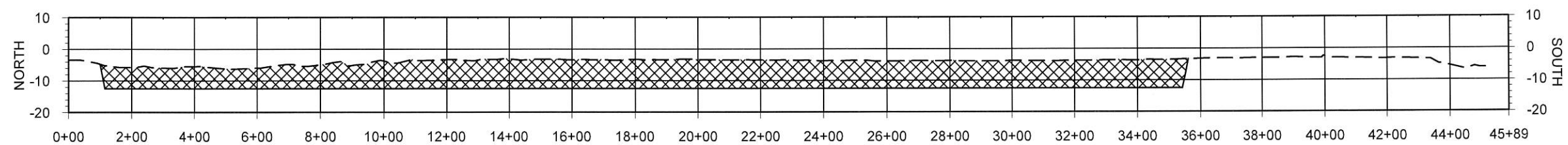
SECTION T-74



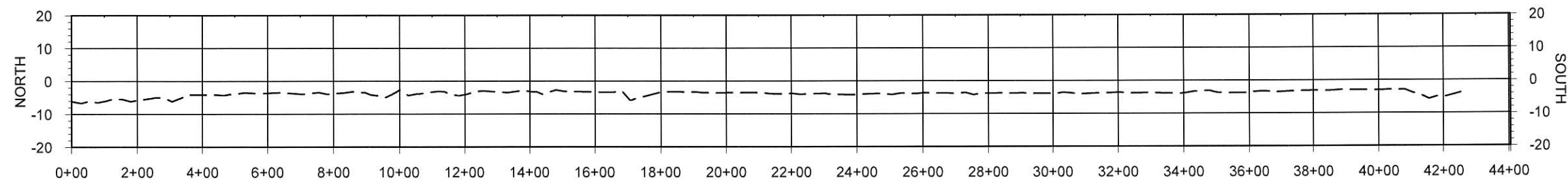
SECTION T-75



SECTION T-76

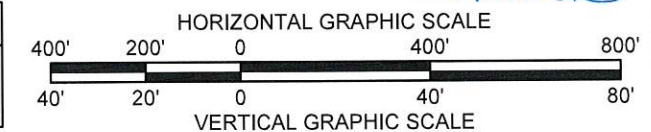


SECTION T-77



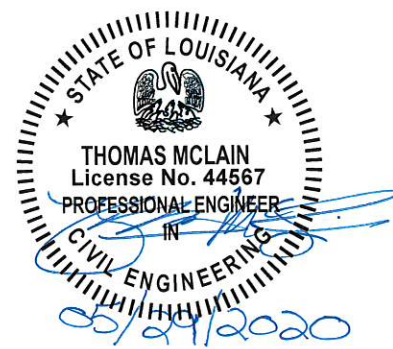
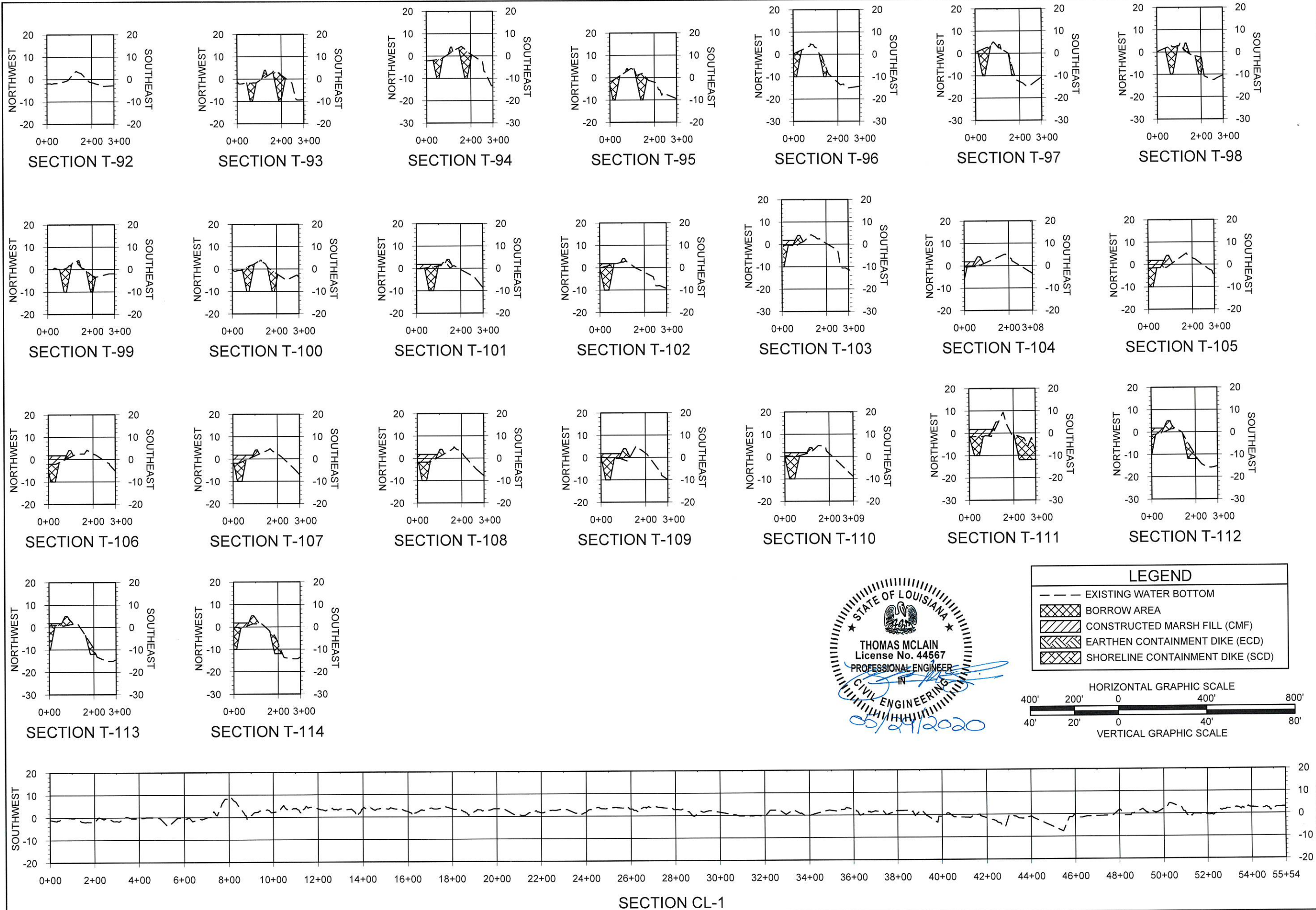
SECTION T-78

LEGEND	
---	EXISTING WATER BOTTOM
XXXX	BORROW AREA



COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	SECTIONS	DESIGNED BY: T. MCLAIN, P.E. 44567 APPROVED BY: R. SIMONEAUX, P.E. 34747	REV.	DATE	DESCRIPTION	BY
BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	STATE PROJECT NUMBER: TE-0138	DRAWN BY: K. CANTU	DATE: MAY 2020			
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NORTHEAST		BAYOU DE CADE RIDGE AND MARSH CREATION PROJECT	SECTIONS	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802			
STATE PROJECT NUMBER: TE-0138	DESIGNED BY: T. MCLAIN, P.E. 44567						
DRAWN BY: K. CANTU	APPROVED BY: R. SIMONEAUX, P.E. 34747						
DATE: MAY 2020							
SHEET 35 OF 35					REV.	DATE	DESCRIPTION
						BY	