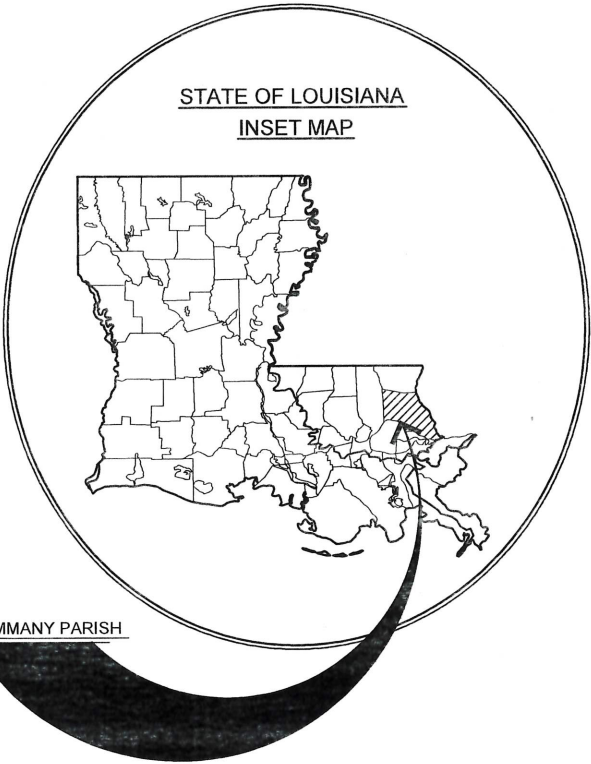
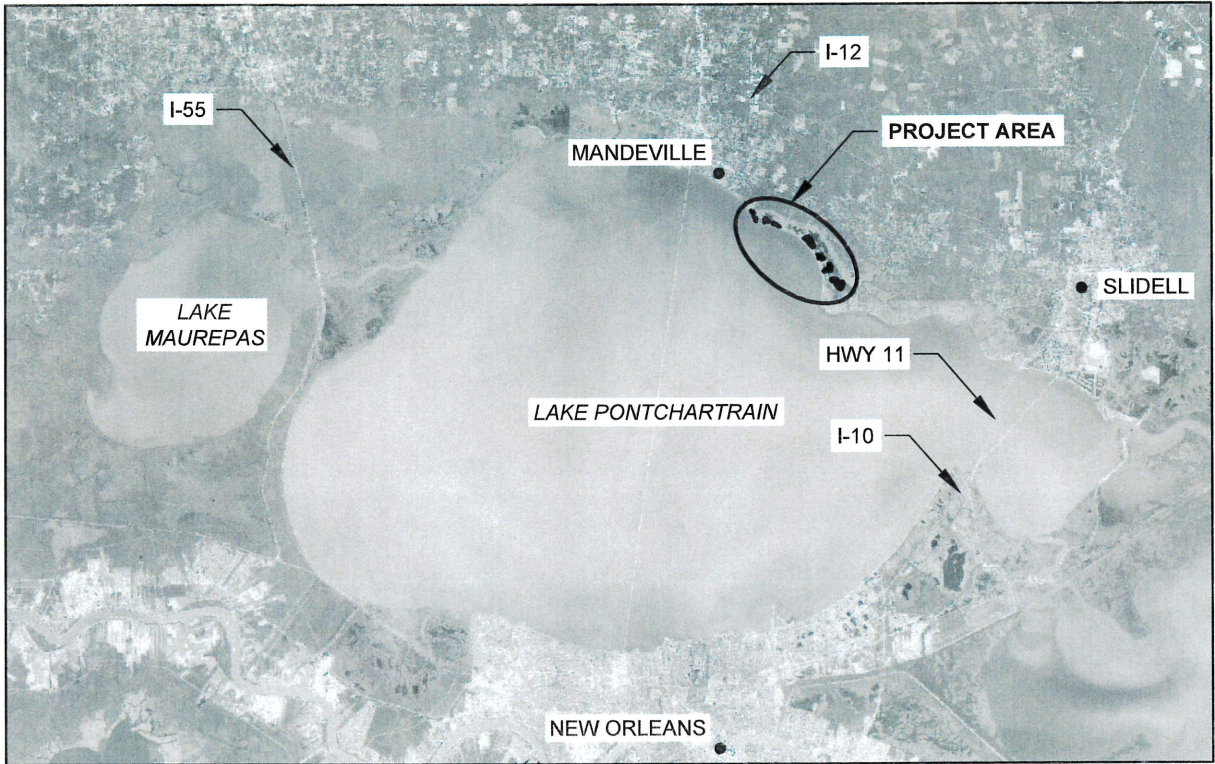


INDEX TO SHEETS

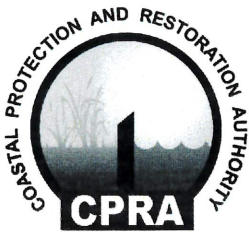
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES, NOTIFICATIONS & DESIGN NOTES
3	SUMMARY OF ESTIMATED QUANTITIES
4	PROJECT LAYOUT
5	MARSH CREATION BORROW AREA PLAN VIEW & DREDGE PIPELINE/EQUIPMENT ACCESS CORRIDOR LAYOUT
6	MARSH CREATION AREA 1, 2 & 3 PLAN VIEW
7	MARSH CREATION AREA 4, 5, 6 & 7 PLAN VIEW
8-9	DREDGE PIPELINE & EQUIPMENT ACCESS CROSSING DRAWINGS
10	MARSH CREATION BORROW AREA TYPICAL SECTION
11-14	MARSH CREATION AREA TYPICAL SECTIONS
15	EARTHEN CONTAINMENT DIKE DETAILS
16	DREDGE PIPELINE CORRIDOR & EQUIPMENT ACCESS CORRIDOR TYPICAL SECTIONS
17	MARSH CREATION BORROW AREA GEOTECHNICAL INVESTIGATION & DESIGN SURVEY LAYOUT
18-19	MARSH CREATION AREA GEOTECHNICAL INVESTIGATION & DESIGN SURVEY LAYOUT
20-21	MARSH CREATION BORROW AREA, EQUIPMENT ACCESS & DREDGE PIPELINE CORRIDOR CONSTRUCTION SURVEY LAYOUT
22-23	EARTHEN CONTAINMENT DIKE CONSTRUCTION SURVEY LAYOUT
24-25	MARSH CREATION AREA CONSTRUCTION SURVEY LAYOUT
26	SETTLEMENT PLATE & GRADE STAKE DETAILS
27-28	MARSH CREATION BORROW AREA CROSS SECTIONS
29-34	MARSH CREATION AREA CROSS SECTIONS
35	COORDINATE TABLES
36	UNIDENTIFIED MAGNETIC ANOMALY DATA

STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

BAYOU CANE
MARSH CREATION PROJECT
PO-0181
ST. TAMMANY PARISH



LICENSURE CLASSIFICATION REQUIREMENTS
MAJOR CLASSIFICATION: HEAVY CONSTRUCTION OR DREDGING



APPROVAL RECOMMENDED BY:	
CPRA ENGINEER CHIEF	
DATE	06/09/2025
ADAM D. LINSON	
CPRA ENGINEER MANAGER	
DATE	6/9/2025
ADAM D. LINSON	
CPRA PROJECT ENGINEER	
DATE	6/9/2025

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	
TITLE SHEET	
BAYOU CANE MARSH CREATION PROJECT	
DESIGNED BY: ADAM LINSON, P.E. - 0044730	
APPROVED BY: RUDY SIMONEAUX, P.E.	
STATE PROJECT NUMBER: PO-0181	
DRAWN BY: SHANE FAUST	
DATE: JUNE 2025	
SHEET 1 OF 36	

GENERAL NOTES:

1. 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.
2. EQUIPMENT ACCESS TO THE PROJECT SITE SHALL BE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT IMPACT EXISTING WATER BOTTOMS OR WETLANDS UNLESS OTHERWISE NOTED. EQUIPMENT ACCESS WITHIN THE PROJECT SITE SHALL BE THROUGH PERMITTED EQUIPMENT ACCESS CORRIDORS ONLY. ANY ALTERNATE ACCESS ROUTES SHALL BE SUBMITTED IN THE WORK PLAN FOR APPROVAL BY THE ENGINEER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING THE APPROPRIATE PERMITS AND ACCESS AGREEMENTS FOR ALL PROPOSED ROUTES OUTSIDE OF THE PERMITTED AREA.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE. THE ENGINEER OR HIS REPRESENTATIVE SHALL MONITOR THE CONTRACTOR'S LOCATION DURING CONSTRUCTION.
4. THE PIPELINE AND OIL/GAS WELL INFORMATION SHOWN ON THE PLANS IS A COMPILATION OF GIS LOCATION RECORDS MEETING ASCE CI 38.02 QUALITY LEVEL D. THE PIPELINE AND OIL/GAS WELL LOCATIONS SHOULD BE CONSIDERED APPROXIMATE AND CANNOT BE CONFIRMED FOR ACCURACY AND COMPLETENESS. AN UNVERIFIED PIPELINE OR OIL/GAS WELL SHALL MEAN PIPELINES/WELLS WHOSE LOCATIONS WERE NOT DISCOVERED/VERIFIED BY MAGNETOMETER SURVEYS, BUT THERE IS EXISTING DOCUMENTATION FROM OIL/GAS DATABASES TO SUPPORT THE PRESENCE OF A POTENTIAL PIPELINE/WELL.
5. BACKGROUND IMAGERY WAS TAKEN IN 2021.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL CALL LOUISIANA ONE CALL AT 1-800-272-3020 FIVE (5) DAYS PRIOR TO PERFORMING THE WORK.
2. THE CONTRACTOR SHALL NOTIFY THE LANDOWNERS LISTED IN THE SPECIFICATIONS AT LEAST FOURTEEN (14) DAYS PRIOR TO PERFORMING THE WORK AND ADHERE TO CPRA LAND RIGHTS PROTOCOL. THE CONTRACTOR MAY CONTACT CPRA'S LANDRIGHTS SECTION AT (225) 342-4744 FOR ALTERNATIVE MEANS OF LANDOWNER NOTIFICATION.

DESIGN NOTES:

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

SECONDARY SURVEY MONUMENT	ELEVATION	NORTHING	EASTING	GEOID
PO33-SM-01	1.19'	645,784.85	3,715,691.24	12B
CRMSPO-SM-11	18.02'	669,750.54	3,701,231.54	12B
2. THE SURVEY DATA SHOWN ON THE PLANS ARE BASED ON THE DESIGN SURVEYS PERFORMED FROM JUNE 2021 TO JULY 2021 BY MORRIS P. HERBERT, INC. (MPH). THE DESIGN SURVEY REPORTS ARE PROVIDED IN THE APPENDICES OF THE SPECIFICATIONS.
3. GEOTECHNICAL INVESTIGATIONS WERE PERFORMED BY PROFESSIONAL SERVICES, INC. (PSI) FROM AUGUST 2020 TO SEPTEMBER 2020 AND JULY 2021 TO AUGUST 2021. THE GEOTECHNICAL REPORTS ARE PROVIDED IN THE APPENDICES OF THE SPECIFICATIONS.
4. DATA FROM STATION CRMS2854 WAS USED TO CALCULATE THE MHW AND MLW IN THE MARSH CREATION AREAS. ELEVATIONS ARE REFERENCED TO NAVD 88, US SURVEY FEET, GEOID 12B. MHW = +0.92' FEET AND MLW = +0.64' FEET.
5. DATA FROM STATIONS USGS RIGOLETS AT HWY 90 AND USGS LAKE PONCHARTRAIN AT CAUSEWAY WERE USED TO CALCULATE THE MHW AND MLW FOR LAKE PONTCHARTRAIN. ELEVATIONS ARE REFERENCED TO NAVD 88, US SURVEY FEET, GEOID 12B. MHW = +0.99' FEET AND MLW = +0.25' FEET WITHIN LAKE PONCHARTRAIN.
6. THE EARTHEN CONTAINMENT DIKES, MARSH CREATION AREAS, AND MARSH CREATION BORROW AREA ALIGNMENTS AND QUANTITIES WERE ESTIMATED FOR CONSTRUCTION USING AERIAL PHOTOGRAPHY, FIELD SURVEYS, AND AUTOCAD AND MAY BE REVISED BY THE ENGINEER DURING CONSTRUCTION TO REFLECT CHANGES IN FIELD CONDITIONS.



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL VERIFY AND MARK THE LOCATIONS OF ALL PIPELINES, UTILITIES, WELLS AND ANY OTHER EXISTING INFRASTRUCTURE WITHIN ONE HUNDRED-FIFTY FEET (150') OF THE WORK PRIOR TO PERFORMING THE WORK.
2. UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT SHALL EITHER REMAIN FLOATING OVER EXISTING PIPELINES OR UTILITIES OR SHALL ONLY TRAVERSE OVER EXISTING PIPELINES OR UTILITIES ONCE PROTECTIVE MEASURES HAVE BEEN INSTALLED AS REQUIRED BY THE PIPELINE/UTILITY OWNER/OPERATOR. PIPELINE AND UTILITY CROSSING DETAILS SHALL BE PROVIDED IN THE WORK PLAN AS PER SP-10.2.4 AND SP-10.3.4.
3. ALL EQUIPMENT AND DREDGE PIPELINE SHALL REMAIN FLOATING AT ALL TIMES WITHIN THE EQUIPMENT ACCESS CORRIDORS FROM THE SHORELINE OF LAKE PONTCHARTRAIN TO A MINIMUM DISTANCE OF FIVE HUNDRED FEET (500') FROM THE SHORELINE TO MINIMIZE IMPACTS TO THE EXISTING SUBMERGED AQUATIC VEGETATION (SAV). EQUIPMENT ACCESS OUTSIDE OF THE PERMITTED EQUIPMENT ACCESS CORRIDORS WITHIN FIVE HUNDRED FEET (500') OF THE SHORELINE IS NOT PERMITTED. THIS DISTANCE MAY BE INCREASED BASED ON FIELD CONDITIONS.
4. THE SHORELINE OF LAKE PONTCHARTRAIN SHALL ONLY BE CROSSED AT THE LOCATIONS SHOWN HEREIN FOR THE PURPOSES OF EQUIPMENT ACCESS AND FACILITATION OF DREDGE PIPELINE INSTALLATION INTO THE MARSH CREATION AREAS.
5. MODIFICATION TO THE DREDGE PIPELINE AND EQUIPMENT ACCESS CORRIDORS REQUIRE APPROVAL FROM THE ENGINEER AS PER TS-100.4.1.
6. THE BOOSTER PUMP(S) LOCATIONS SHALL BE LOCATED WITHIN THE MARSH CREATION BORROW AREA OR DREDGE PIPELINE CORRIDOR, BUT SHALL NOT BE LOCATED WITHIN FIVE HUNDRED FEET (500') OF THE LAKE PONTCHARTRAIN SHORELINE. PROPOSED LOCATION(S) SHALL BE PROVIDED IN THE WORK PLAN.
7. 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 U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
8. THE ENGINEER RESERVES THE RIGHT TO RE-ALIGN ANY PORTION OF THE EARTHEN CONTAINMENT DIKE ALIGNMENTS BASED ON PRE-CONSTRUCTION SURVEYS. MODIFICATIONS TO THE DIKE ALIGNMENT SHALL BE AUTHORIZED AND COMPILED BY THE ENGINEER AND SHALL BE SUBMITTED TO THE CONTRACTOR NO LATER THAN FOURTEEN (14) DAYS AFTER THE RECEIPT OF THE APPROVED PRE-CONSTRUCTION SURVEY DATA.
9. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE DREDGE PIPELINE CORRIDORS, MARSH CREATION BORROW AREA, EQUIPMENT ACCESS CORRIDORS, EARTHEN CONTAINMENT DIKES AND ASSOCIATED BORROW AREAS AND MARSH CREATION AREAS PRIOR TO MOBILIZATION FOR CONSTRUCTION. SURVEYS SHOWING THE TRACK LINES, COORDINATES, AMPLITUDE, SIGNATURE TYPE, SIGNATURE WIDTH AND CONTRACTOR'S INTERPRETATION OF ALL MAGNETOMETER ANOMALIES SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO MOBILIZATION. ADDITIONAL TRACK LINES SHALL BE RUN IN ACCORDANCE WITH TS-200 OF THE SPECIFICATIONS.
10. THE CONTRACTOR SHALL ADHERE TO THE MOST CURRENT PUBLICATION OF "RECOMMENDED BEST PRACTICES GUIDE FOR SAFE DREDGING NEAR UNDERWATER GAS AND HAZARDOUS LIQUID PIPELINES" DEVELOPED BY THE COUNCIL FOR DREDGING AND MARINE CONSTRUCTION SAFETY, www.cdmcs.org AND "WORKING SAFELY NEAR UNDERWATER PIPELINES", DEVELOPED BY COASTAL AND MARINE OPERATORS PIPELINE INDUSTRY INITIATIVE (CAMO) AND THE LAKE PONTCHARTRAIN BASIN FOUNDATION (LPBF), <http://www.camogroup.org/wp-content/uploads/2020/04/Working-Safely-Near-Underwater-Pipelines.pdf>.
11. THE CONTRACTOR SHALL NOT HYDRAULICALLY DREDGE, ANCHOR, OR SPUD WITHIN FIVE HUNDRED FEET (500') OF ANY EXISTING PIPELINE, WELLHEAD, UTILITY, OR OTHER EXISTING INFRASTRUCTURE IN THE MARSH CREATION BORROW AREA OR WITHIN SEVENTY-FIVE FEET (75') OF ANY OTHER EXISTING PIPELINE, WELLHEAD, UTILITY, OR OTHER EXISTING INFRASTRUCTURE, UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL HYDRAULICALLY DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE MARSH CREATION AREAS. THE CONTRACTOR SHALL SUBMIT A TURBIDITY MONITORING AND RESPONSE PLAN IN THE WORK PLAN AS PER TS-400.5, WHICH DETAILS THE METHODOLOGY AND PERSONNEL FOR MONITORING TURBIDITY DURING CONSTRUCTION IN ORDER TO MINIMIZE MATERAIL LOSS INTO ADJACENT WATERWAYS AND LAKE PONTCHARTRAIN.

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

GENERAL NOTES, NOTIFICATIONS & DESIGN NOTES

BAYOU CANE MARSH CREATION PROJECT

STATE PROJECT NUMBER: PO-0181

DRAWN BY: SHANE FAUST

DESIGNED BY: ADAM LINSON, P.E. - 0044730

APPROVED BY: RUDY SIMONEAUX, P.E.

DATE: JUNE 2025

SHEET 2 OF 36

SUMMARY OF ESTIMATED QUANTITIES

BASE BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY¹
1	MOBILIZATION AND DEMOBILIZATION (TS-100)	LS	1
2	SURVEYS (TS-200)	LS	1
3	DAILY BIRD ABATEMENT (TS-201)	DAY	212
4	GRADE STAKES (TS-250)	EA	158
5	SETTLEMENT PLATES (TS-270)	EA	16
6	EARTHEN CONTAINMENT DIKES (TS-300)	LF	44,000
7	EARTHEN CONTAINMENT DIKE DEGRADATION (TS-305)	LF	9,200
8	HYDRAULIC DREDGING AND MARSH CREATION - MCA 1 (TS-400)²	CY	175,500
9	HYDRAULIC DREDGING AND MARSH CREATION - MCA 2 (TS-400)²	CY	192,400
10	HYDRAULIC DREDGING AND MARSH CREATION - MCA 4 (TS-400)²	CY	473,700
11	HYDRAULIC DREDGING AND MARSH CREATION - MCA 6 (TS-400)²	CY	360,200
12	HYDRAULIC DREDGING AND MARSH CREATION - MCA 7 (TS-400)²	CY	593,000

ALTERNATE BID NO. 1

ITEM No.	DESCRIPTION		
13	MOBILIZATION AND DEMOBILIZATION - MCA 3 (TS-100)	LS	1
14	SURVEYS - MCA 3 (TS-200)	LS	1
15	DAILY BIRD ABATEMENT - MCA 3 (TS-201)	DAY	50
16	GRADE STAKES - MCA 3 (TS-250)	EA	11
17	SETTLEMENT PLATES - MCA 3 (TS-270)	EA	2
18	EARTHEN CONTAINMENT DIKES - MCA 3 (TS-300)	LF	5,900
19	EARTHEN CONTAINMENT DIKE DEGRADATION - MCA 3 (TS-305)	LF	1,300
20	HYDRAULIC DREDGING AND MARSH CREATION - MCA 3 (TS-400)²	CY	113,200

ALTERNATE BID NO. 2

ITEM No.	DESCRIPTION		
21	MOBILIZATION AND DEMOBILIZATION - MCA 5 (TS-100)	LS	1
22	SURVEYS - MCA 5 (TS-200)	LS	1
23	DAILY BIRD ABATEMENT - MCA 5 (TS-201)	DAY	50
24	GRADE STAKES - MCA 5 (TS-250)	EA	20
25	SETTLEMENT PLATES - MCA 5 (TS-270)	EA	2
26	EARTHEN CONTAINMENT DIKES - MCA 5 (TS-300)	LF	6,800
27	EARTHEN CONTAINMENT DIKE DEGRADATION - MCA 5 (TS-305)	LF	1,200
28	HYDRAULIC DREDGING AND MARSH CREATION - MCA 5 (TS-400)²	CY	227,500

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 AS MAY BE NECESSARY TO COMPLETE THE WORK AND REMAIN WITHIN FUNDING LIMITS.
2. THE HYDRAULIC DREDGING MARSH FILL QUANTITIES FOR THE MARSH CREATION AREAS ARE BASED ON THE BORROW AREA CUT VOLUME. ACTUAL QUANTITIES FOR PAYMENT WILL BE BASED ON PROCESS SURVEYS OF THE MARSH CREATION BORROW AREA PERFORMED AS PART OF THIS CONTRACT AS REQUIRED IN TS-200 "SURVEYS" OF THE SPECIFICATIONS..

ACRONYMS & ABBREVIATIONS:

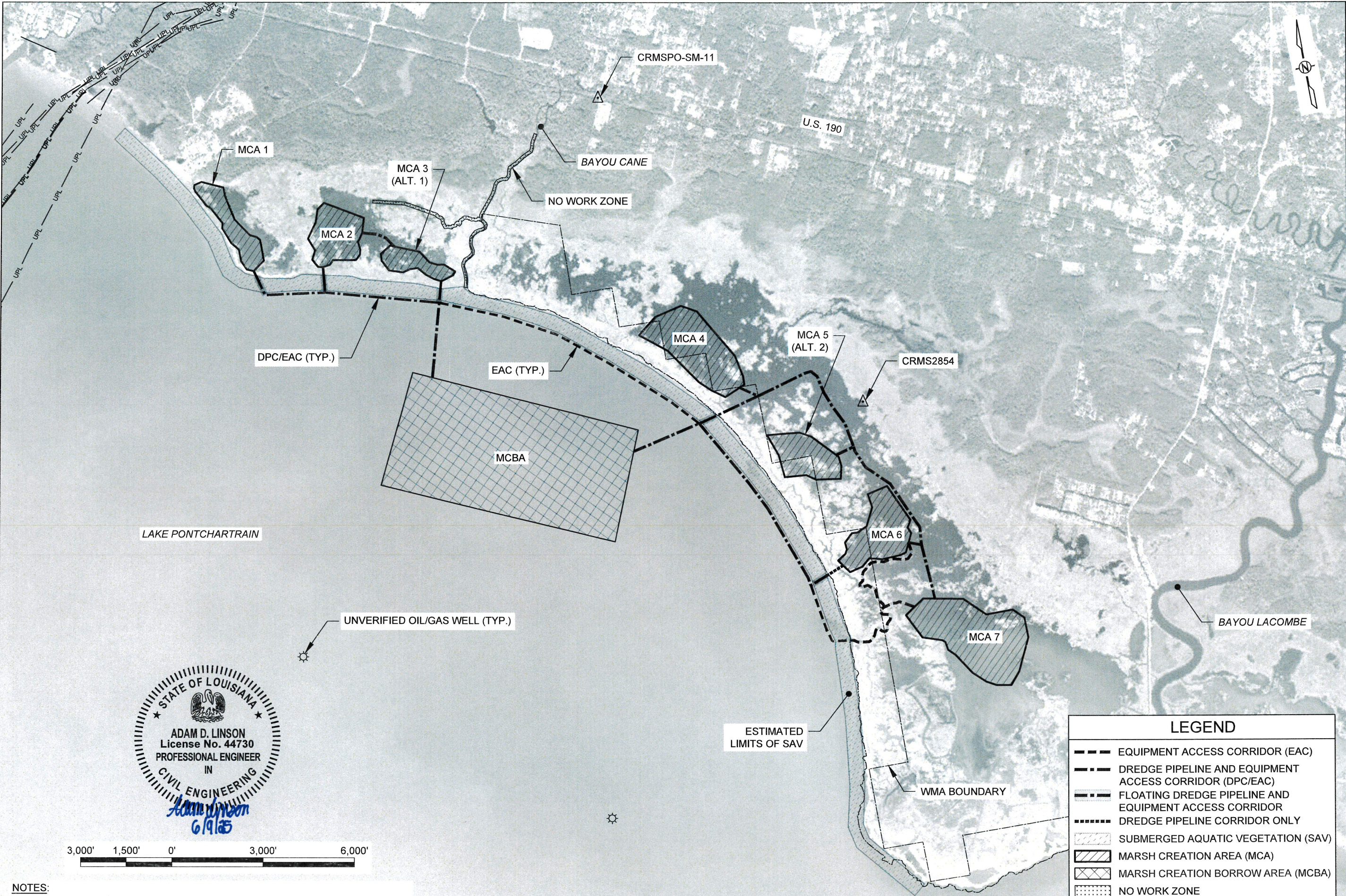
ALT	ALTERNATE	GS	GRADE STAKE
AW	ADJACENT WATERWAY	LF	LINEAR FOOT
CMF	CONSTRUCTED MARSH FILL	LS	LUMP SUM
CPT	CONE PENETRATION TEST	MA	MAGNETOMETER ANOMALY
CY	CUBIC YARD	MCA	MARSH CREATION AREA
DPC	DREDGE PIPELINE CORRIDOR	MCBA	MARSH CREATION BORROW AREA
EA	EACH	MHW	MEAN HIGH WATER
EAC	EQUIPMENT ACCESS CORRIDOR	MLW	MEAN LOW WATER
ECD	EARTHEN CONTAINMENT DIKE	NO.	NUMBER
ECDBA	EARTHEN CONTAINMENT DIKE BORROW AREA	NTS	NOT TO SCALE
EG	EXISTING GROUND	PL	VERIFIED PIPELINE
EL	ELEVATION	SAV	SUBMERGED AQUATIC VEGETATION
ET	EARTHEN TERRACE	SB	SOIL BORING
ETBA	EARTHEN TERRACE BORROW AREA	SP	SETTLEMENT PLATE
EWB	EXISTING WATER BOTTOM	ST	SURVEY TRANSECT
FT	FOOT	SY	SQUARE YARD
		UPL	UNVERIFIED PIPELINE

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

SUMMARY OF ESTIMATED QUANTITIES

BAYOU CANE MARSH CREATION PROJECT

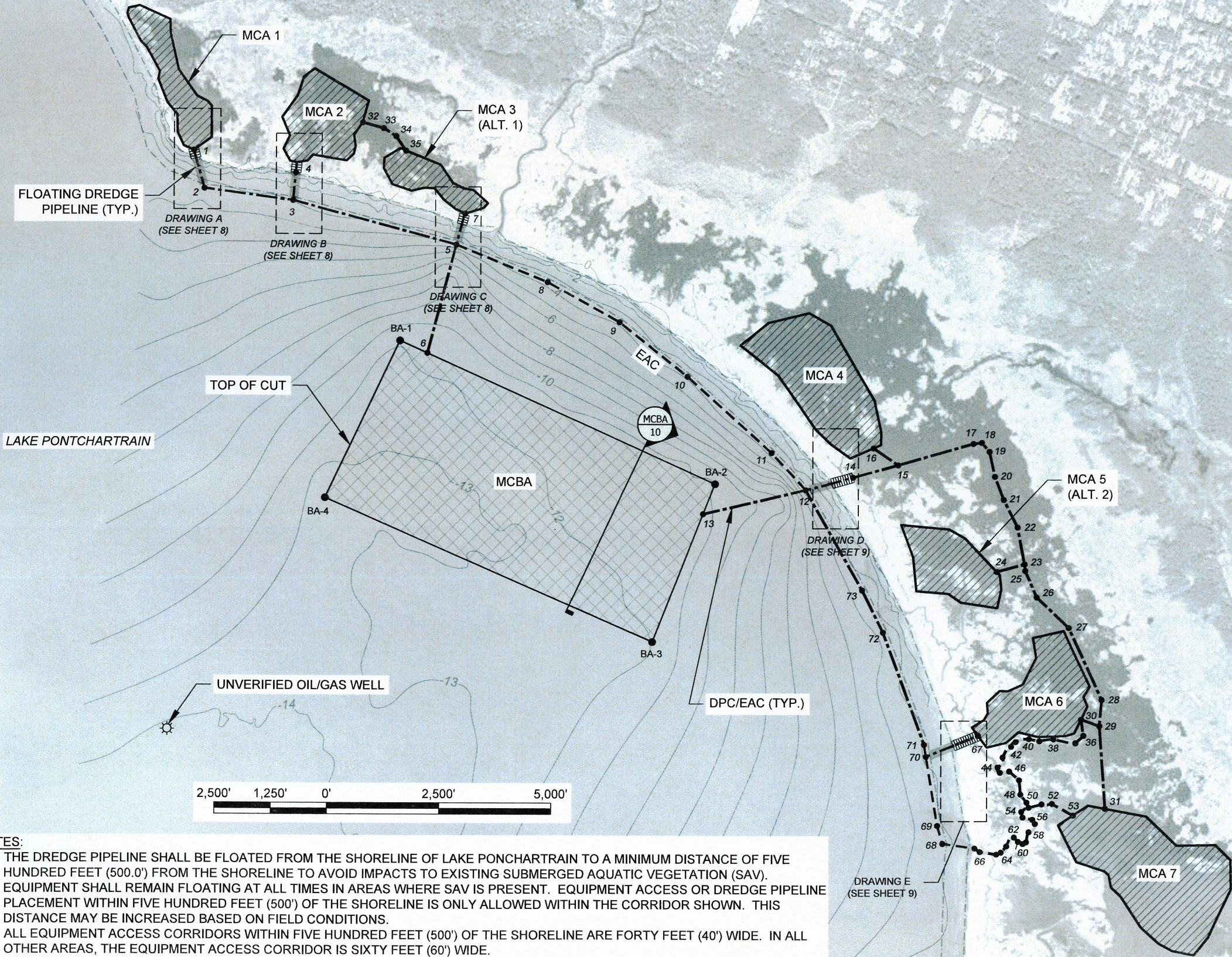




- NOTES:
- MARSH CREATION AREA 3 IS INCLUDED AS PART OF ALTERNATE BID NO. 1.
 - MARSH CREATION AREA 5 IS INCLUDED AS PART OF ALTERNATE BID NO. 2.

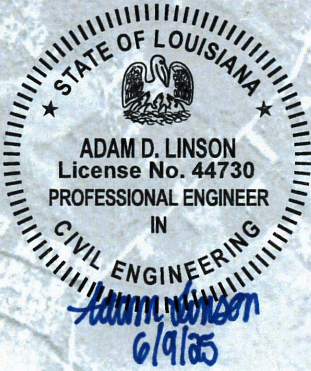
BAYOU CANE MARSH CREATION PROJECT		PROJECT LAYOUT		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802								
STATE PROJECT NUMBER: PO-0181		DESIGNED BY: ADAM LINSON, P.E. - 0044730										
DRAWN BY: SHANE FAUST		APPROVED BY: RUDY SIMONEAUX, P.E.										
DATE: JUNE 2025												
SHEET 4 OF 36												

ESTIMATED QUANTITIES		
BORROW AREA	VOLUME (CY)	AREA (ACRES)
BORROW AREA	15,601,318	687



- NOTES:
1. THE DREDGE PIPELINE SHALL BE FLOATED FROM THE SHORELINE OF LAKE PONCHARTRAIN TO A MINIMUM DISTANCE OF FIVE HUNDRED FEET (500.0') FROM THE SHORELINE TO AVOID IMPACTS TO EXISTING SUBMERGED AQUATIC VEGETATION (SAV). EQUIPMENT SHALL REMAIN FLOATING AT ALL TIMES IN AREAS WHERE SAV IS PRESENT. EQUIPMENT ACCESS OR DREDGE PIPELINE PLACEMENT WITHIN FIVE HUNDRED FEET (500') OF THE SHORELINE IS ONLY ALLOWED WITHIN THE CORRIDOR SHOWN. THIS DISTANCE MAY BE INCREASED BASED ON FIELD CONDITIONS.
 2. ALL EQUIPMENT ACCESS CORRIDORS WITHIN FIVE HUNDRED FEET (500') OF THE SHORELINE ARE FORTY FEET (40') WIDE. IN ALL OTHER AREAS, THE EQUIPMENT ACCESS CORRIDOR IS SIXTY FEET (60') WIDE.
 3. TIMBER MATS SHALL BE PLACED WHEN THE DREDGE PIPELINE OR THE EQUIPMENT ACCESS CORRIDOR CROSSES THE EXISTING SHORELINE OR MARSH.
 4. THE CONTRACTOR SHALL NOT DREDGE OUTSIDE THE MARSH CREATION BORROW AREA LIMITS, WHICH IS THE TOP OF CUT.
 5. DREDGE PIPELINE, EQUIPMENT ACCESS CORRIDOR AND MARSH CREATION BORROW AREA COORDINATES PROVIDED ON SHEET 35.

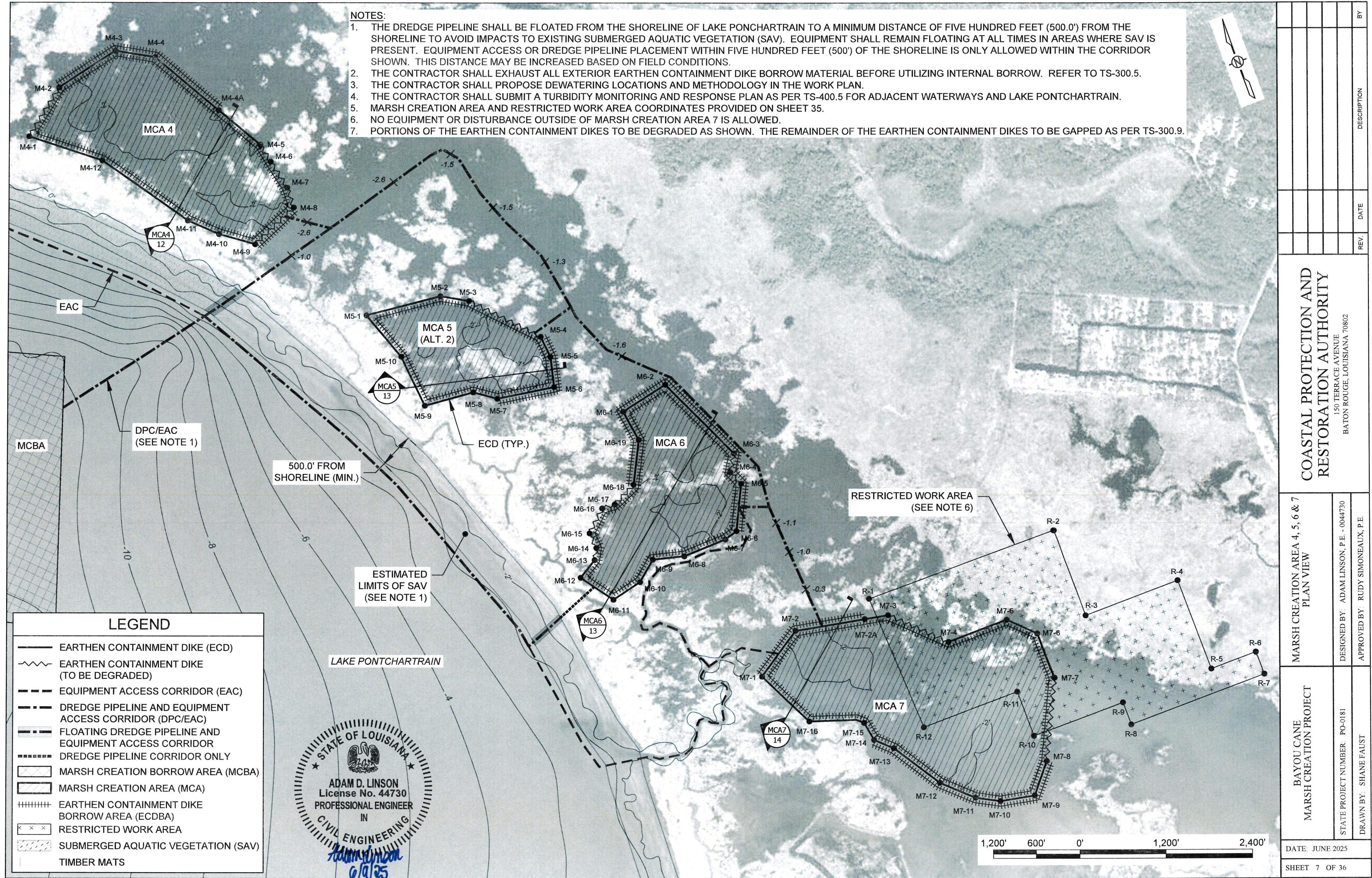
LEGEND	
---	EQUIPMENT ACCESS CORRIDOR (EAC)
---	DREDGE PIPELINE AND EQUIPMENT ACCESS CORRIDOR (DPC/EAC)
---	FLOATING DREDGE PIPELINE AND EQUIPMENT ACCESS CORRIDOR
---	DREDGE PIPELINE CORRIDOR ONLY
▨	MARSH CREATION AREA (MCA)
▨	MARSH CREATION BORROW AREA (MCBA)
▨	TIMBER MATS

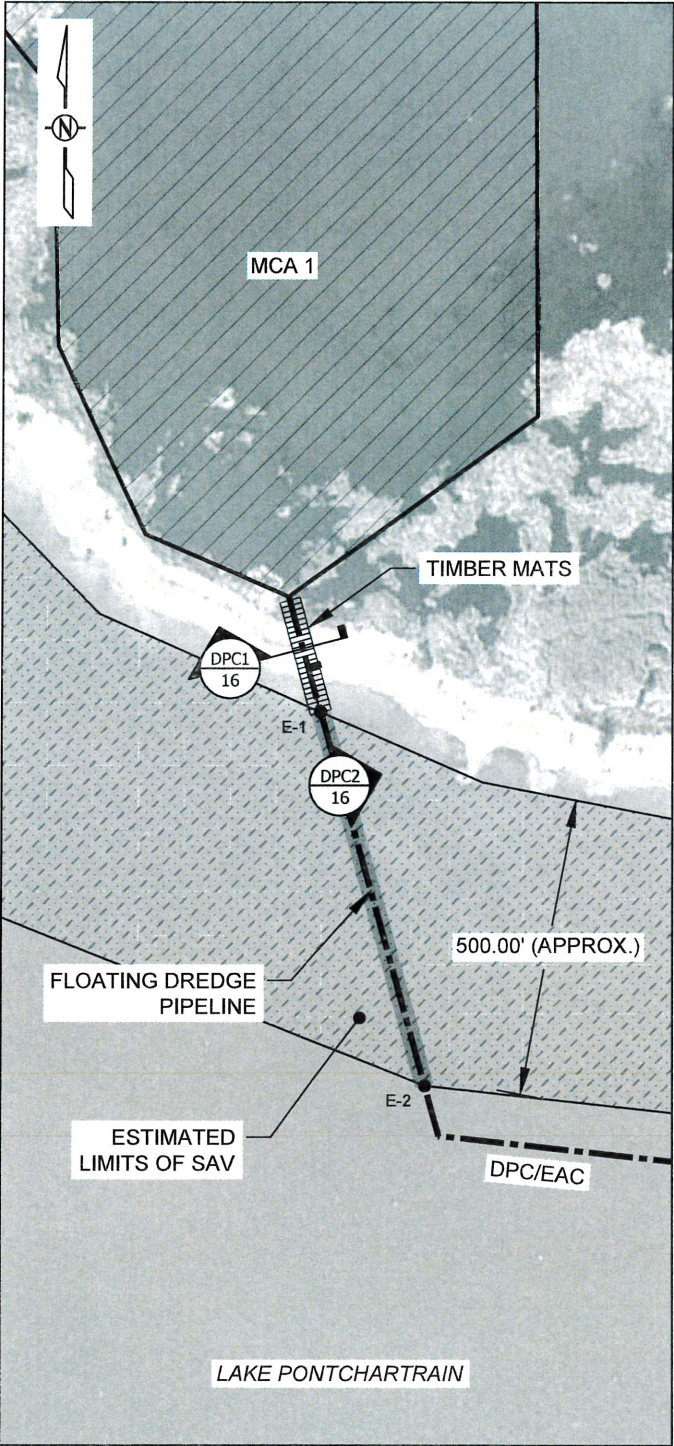


COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

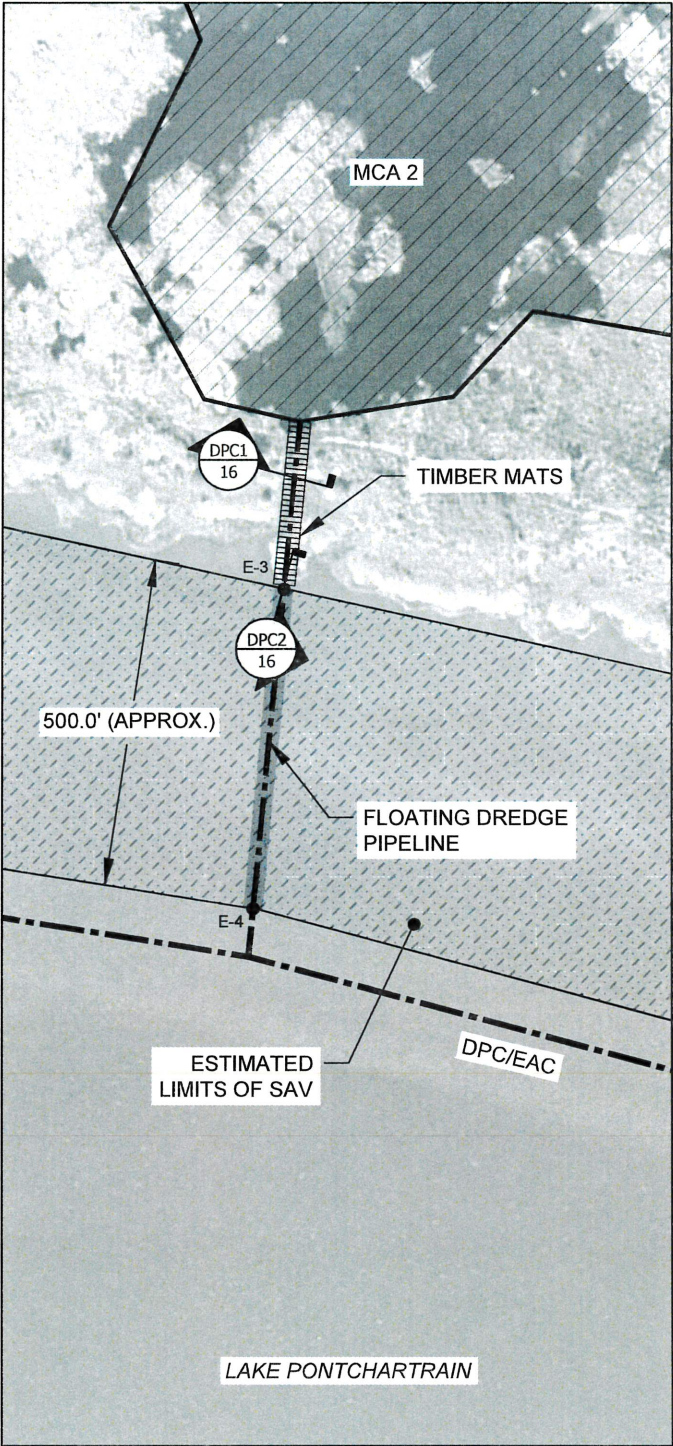
MARSH CREATION BORROW AREA PLAN VIEW & DREDGE PIPELINE/EQUIPMENT ACCESS CORRIDOR LAYOUT	DESIGNED BY: ADAM LINSON, P.E. - 0044730 APPROVED BY: RUDY SIMONEAUX, P.E.
BAYOU CANE MARSH CREATION PROJECT	STATE PROJECT NUMBER: PO-0181 DRAWN BY: SHANE FAUST
DATE: JUNE 2025	
SHEET 5 OF 36	

REV.	DATE	DESCRIPTION	BY

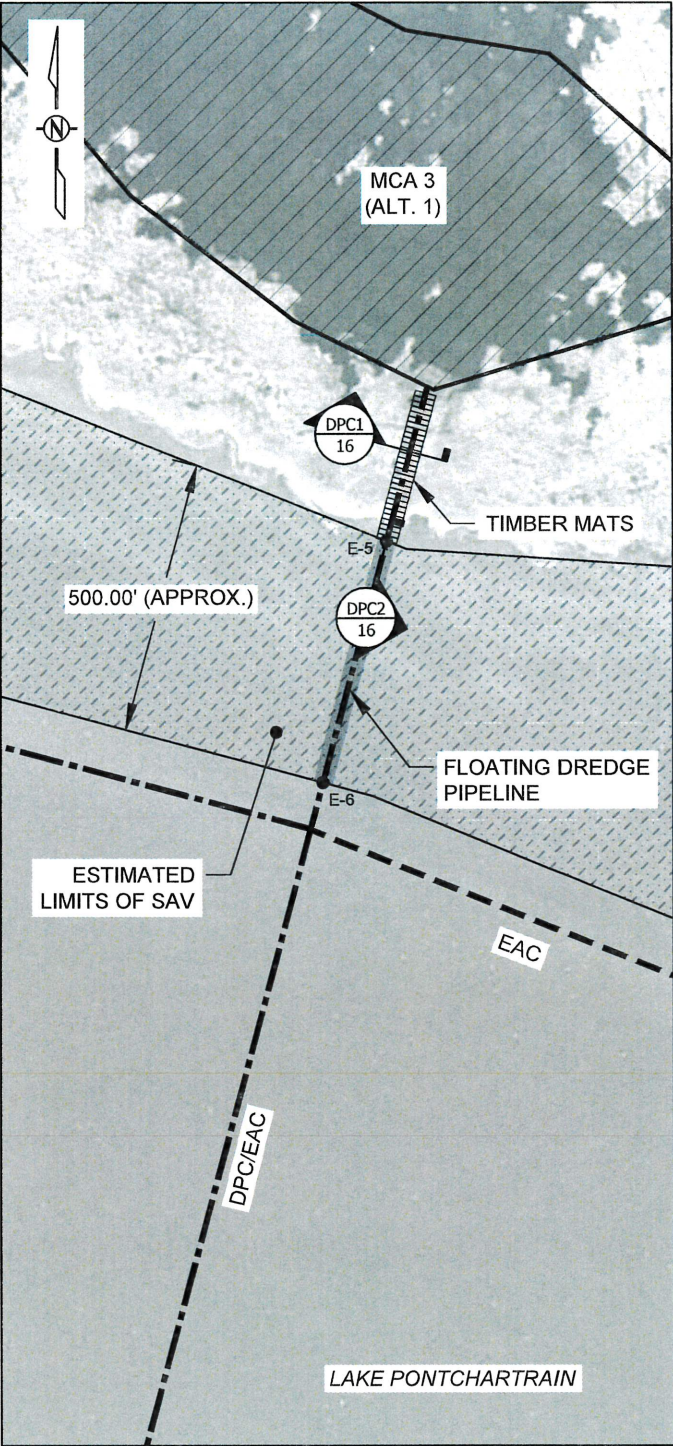




DRAWING A



DRAWING B



DRAWING C



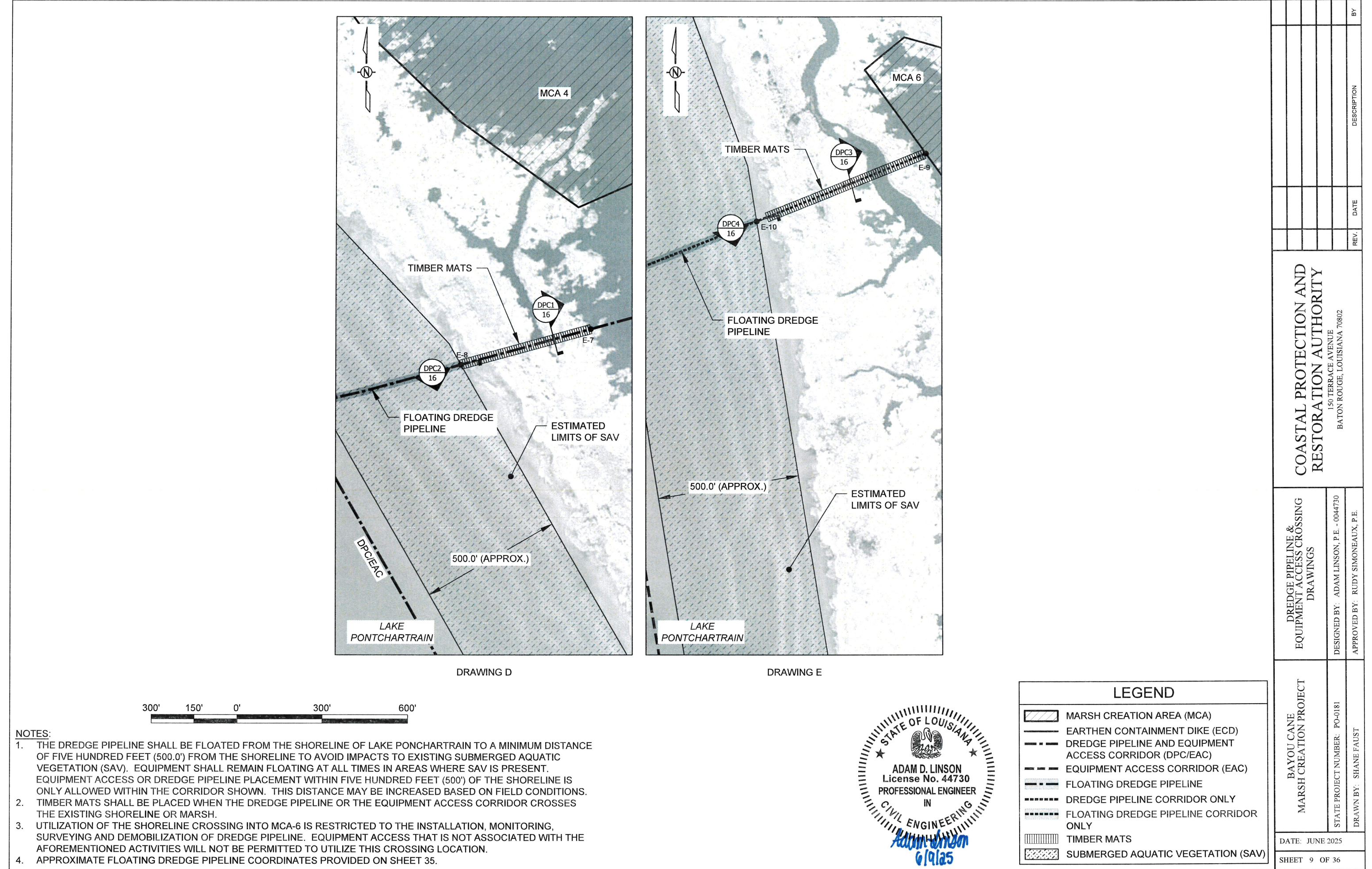
NOTES:

1. THE DREDGE PIPELINE SHALL BE FLOATED FROM THE SHORELINE OF LAKE PONCHARTRAIN TO A MINIMUM DISTANCE OF FIVE HUNDRED FEET (500.0') FROM THE SHORELINE TO AVOID IMPACTS TO EXISTING SUBMERGED AQUATIC VEGETATION (SAV). EQUIPMENT SHALL REMAIN FLOATING AT ALL TIMES IN AREAS WHERE SAV IS PRESENT. EQUIPMENT ACCESS OR DREDGE PIPELINE PLACEMENT WITHIN FIVE HUNDRED FEET (500') OF THE SHORELINE IS ONLY ALLOWED WITHIN THE CORRIDOR SHOWN. THIS DISTANCE MAY BE INCREASED BASED ON FIELD CONDITIONS.
2. TIMBER MATS SHALL BE PLACED WHEN THE DREDGE PIPELINE OR THE EQUIPMENT ACCESS CORRIDOR CROSSES THE EXISTING SHORELINE OR MARSH.
3. APPROXIMATE FLOATING DREDGE PIPELINE COORDINATES PROVIDED ON SHEET 35.



LEGEND	
	MARSH CREATION AREA (MCA)
	EARTHEN CONTAINMENT DIKE (ECD)
	DREDGE PIPELINE AND EQUIPMENT ACCESS CORRIDOR (DPC/EAC)
	EQUIPMENT ACCESS CORRIDOR (EAC)
	FLOATING DREDGE PIPELINE
	TIMBER MATS
	SUBMERGED AQUATIC VEGETATION (SAV)

BAYOU CANE MARSH CREATION PROJECT		DREDGE PIPELINE & EQUIPMENT ACCESS CROSSING DRAWINGS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802			
		STATE PROJECT NUMBER: PO-0181	DESIGNED BY: ADAM LINSON, P.E. - 0044730	REV.	DATE	DESCRIPTION	BY
		DRAWN BY: SHANE FAUST	APPROVED BY: RUDY SIMONEAUX, P.E.				
SHEET 8 OF 36		DATE: JUNE 2025					



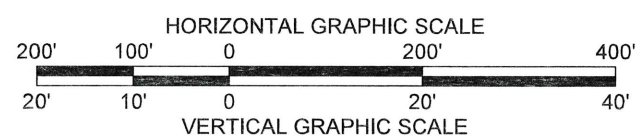
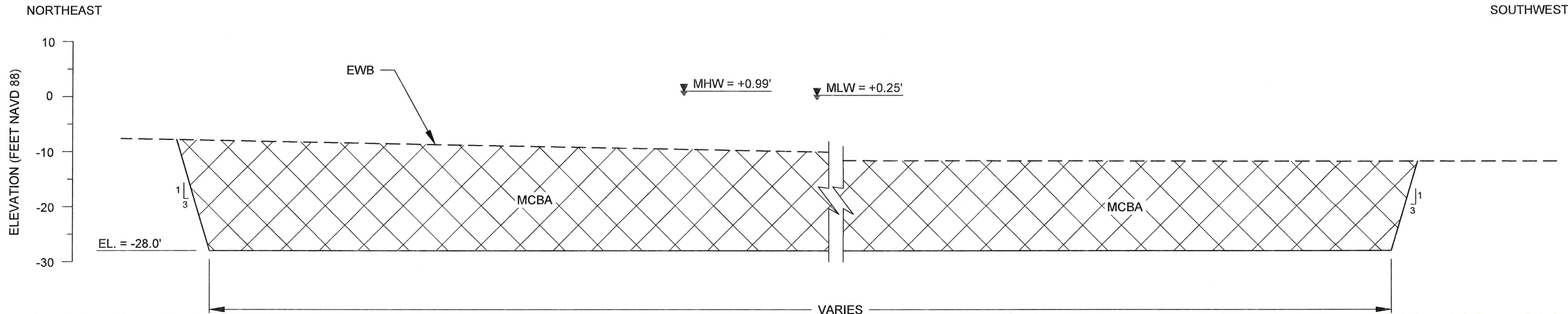
NOTES:

1. THE DREDGE PIPELINE SHALL BE FLOATED FROM THE SHORELINE OF LAKE PONTCHARTRAIN TO A MINIMUM DISTANCE OF FIVE HUNDRED FEET (500.0') FROM THE SHORELINE TO AVOID IMPACTS TO EXISTING SUBMERGED AQUATIC VEGETATION (SAV). EQUIPMENT SHALL REMAIN FLOATING AT ALL TIMES IN AREAS WHERE SAV IS PRESENT. EQUIPMENT ACCESS OR DREDGE PIPELINE PLACEMENT WITHIN FIVE HUNDRED FEET (500') OF THE SHORELINE IS ONLY ALLOWED WITHIN THE CORRIDOR SHOWN. THIS DISTANCE MAY BE INCREASED BASED ON FIELD CONDITIONS.
2. TIMBER MATS SHALL BE PLACED WHEN THE DREDGE PIPELINE OR THE EQUIPMENT ACCESS CORRIDOR CROSSES THE EXISTING SHORELINE OR MARSH.
3. UTILIZATION OF THE SHORELINE CROSSING INTO MCA-6 IS RESTRICTED TO THE INSTALLATION, MONITORING, SURVEYING AND DEMOBILIZATION OF DREDGE PIPELINE. EQUIPMENT ACCESS THAT IS NOT ASSOCIATED WITH THE AFOREMENTIONED ACTIVITIES WILL NOT BE PERMITTED TO UTILIZE THIS CROSSING LOCATION.
4. APPROXIMATE FLOATING DREDGE PIPELINE COORDINATES PROVIDED ON SHEET 35.



LEGEND	
	MARSH CREATION AREA (MCA)
	EARTHEN CONTAINMENT DIKE (ECD)
	DREDGE PIPELINE AND EQUIPMENT ACCESS CORRIDOR (DPC/EAC)
	EQUIPMENT ACCESS CORRIDOR (EAC)
	FLOATING DREDGE PIPELINE
	DREDGE PIPELINE CORRIDOR ONLY
	FLOATING DREDGE PIPELINE CORRIDOR ONLY
	TIMBER MATS
	SUBMERGED AQUATIC VEGETATION (SAV)

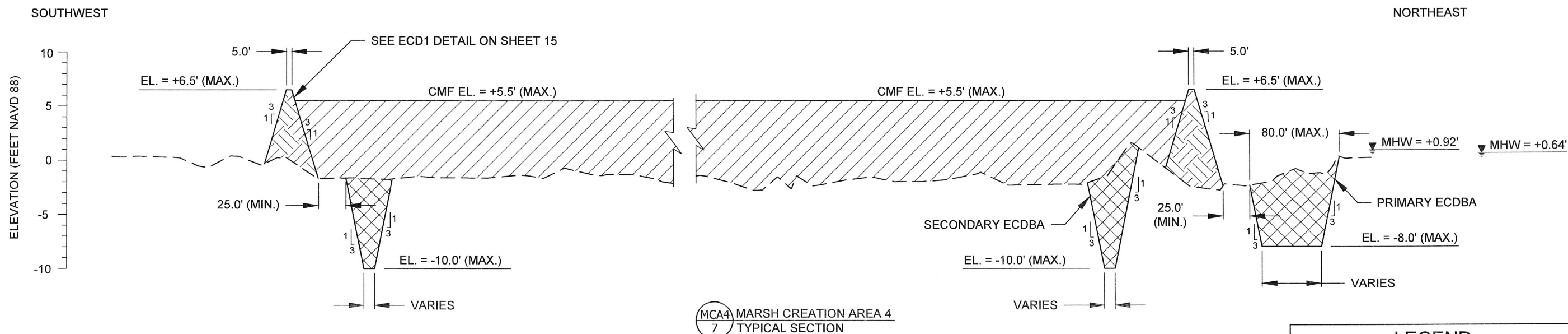
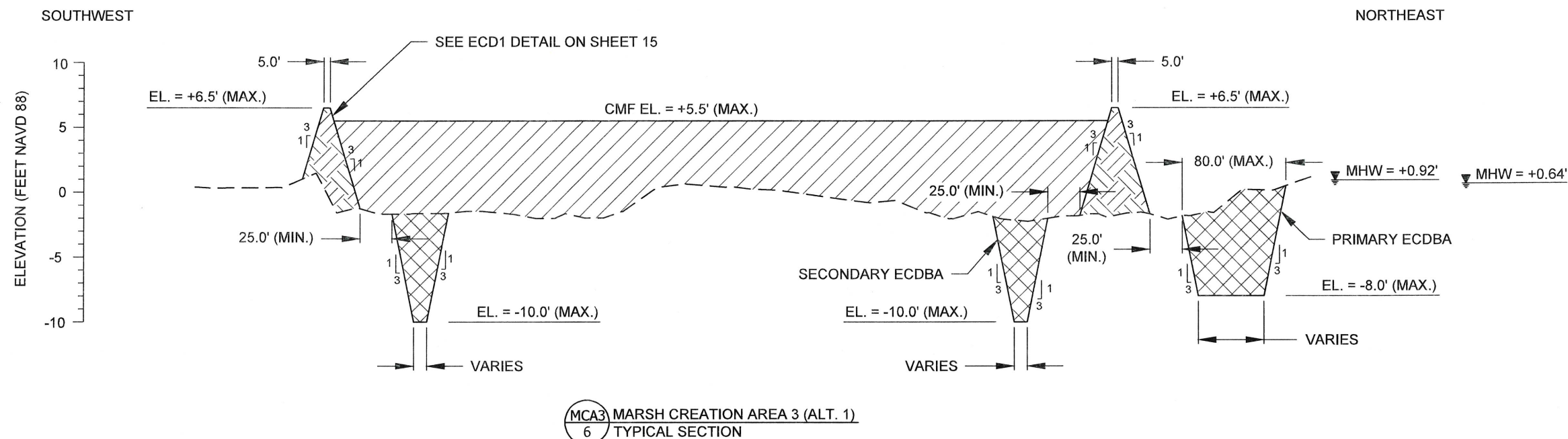
BAYOU CANE MARSH CREATION PROJECT		DREDGE PIPELINE & EQUIPMENT ACCESS CROSSING DRAWINGS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802			
STATE PROJECT NUMBER: PO-0181		DESIGNED BY: ADAM LINSON, P.E. - 0044730		REV.	DATE	DESCRIPTION	BY
DRAWN BY: SHANE FAUST		APPROVED BY: RUDY SIMONEAUX, P.E.					
DATE: JUNE 2025							
SHEET 9 OF 36							



- NOTES:
1. THE MARSH CREATION BORROW AREA EXISTING WATER BOTTOM (EWB) ELEVATIONS AREA BASED ON SURVEYS PERFORMED BY MORRIS P. HERBERT, INC. FROM JUNE TO JULY 2021.
 2. THE CONTRACTOR SHALL NOT DREDGE BEYOND THE LIMITS OF THE MARSH CREATION BORROW AREA AS SHOWN.

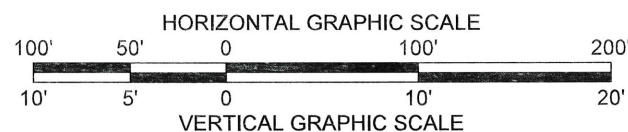


COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
MARSH CREATION BORROW AREA TYPICAL SECTION					
BAYOU CANE MARSH CREATION PROJECT					
DESIGNED BY: ADAM LINSON, P.E. - 0044730					
APPROVED BY: RUDY SIMONEAUX, P.E.					
STATE PROJECT NUMBER: PO-0181					
DRAWN BY: SHANE FAUST					
DATE: JUNE 2025					
SHEET 10 OF 36					



NOTES:

1. THE EARTHEN CONTAINMENT DIKES WILL BE CONSTRUCTED USING IN-SITU MATERIAL.
2. THE PRIMARY (EXTERIOR) BORROW AREA SHALL BE EXHAUSTED BEFORE UTILIZING THE SECONDARY (INTERIOR) BORROW AREA.
3. A MINIMUM FREEBOARD OF 1.0' SHALL BE MAINTAINED FOR EARTHEN CONTAINMENT DIKES AT ALL TIMES.
4. EARTHEN CONTAINMENT DIKES AND ASSOCIATED BORROW AREAS SHALL BE SURVEYED AND STAKED AS PER TS-200.8.9. STAKES SHALL REMAIN IN PLACE THROUGHOUT THE EARTHEN CONTAINMENT DIKE CONSTRUCTION.



LEGEND

- EXISTING GROUND (EG)
- [Hatched Box] EARTHEN CONTAINMENT DIKE (ECD)
- [Cross-hatched Box] EARTHEN CONTAINMENT DIKE BORROW AREA (ECDBA)
- [Diagonal Hatched Box] MARSH CREATION AREA (MCA)

COASTAL PROTECTION AND RESTORATION AUTHORITY

150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

MARSH CREATION AREA
TYPICAL SECTIONS

DESIGNED BY: ADAM LINSON, P.E. - 0044730

APPROVED BY: RUDY SIMONEAUX, P.E.

BAYOU CANE
MARSH CREATION PROJECT

STATE PROJECT NUMBER: PO-0181

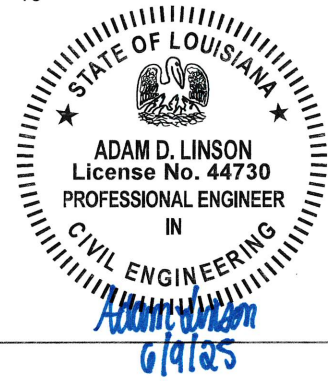
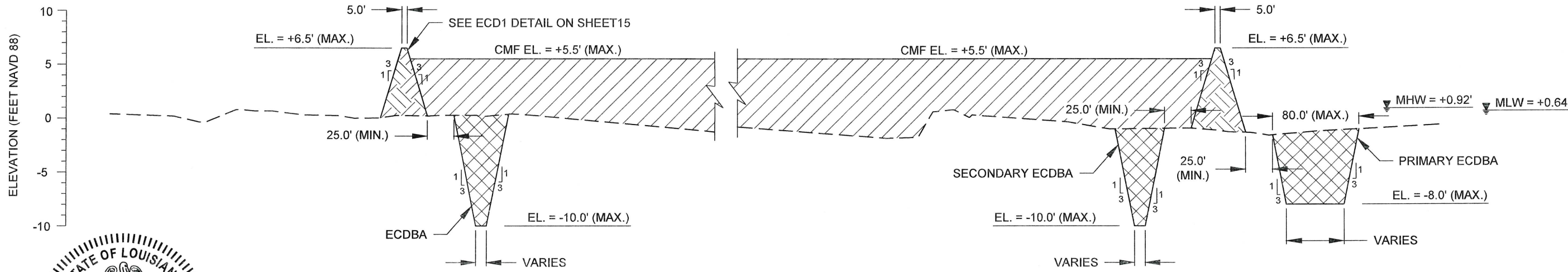
DRAWN BY: SHANE FAUST

DATE: JUNE 2025

SHEET 12 OF 36

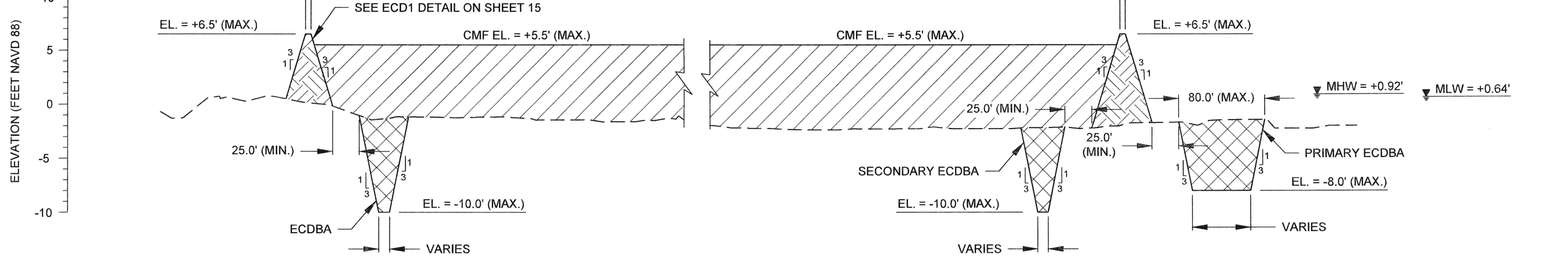
SOUTHWEST

NORTHEAST

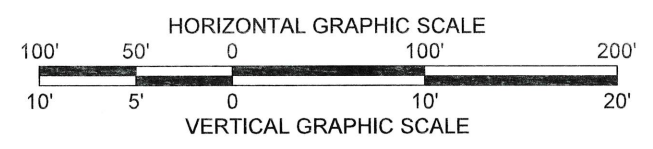


SOUTHWEST

NORTHEAST

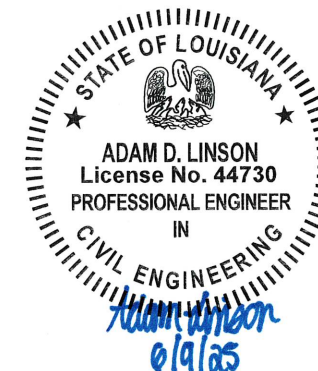


- NOTES:
1. THE EARTHEN CONTAINMENT DIKES WILL BE CONSTRUCTED USING IN-SITU MATERIAL.
 2. THE PRIMARY (EXTERIOR) BORROW AREA SHALL BE EXHAUSTED BEFORE UTILIZING THE SECONDARY (INTERIOR) BORROW AREA.
 3. A MINIMUM FREEBOARD OF 1.0' SHALL BE MAINTAINED FOR EARTHEN CONTAINMENT DIKES AT ALL TIMES.
 4. EARTHEN CONTAINMENT DIKES AND ASSOCIATED BORROW AREAS SHALL BE SURVEYED AND STAKED AS PER TS-200.8.9. STAKES SHALL REMAIN IN PLACE THROUGHOUT THE EARTHEN CONTAINMENT DIKE CONSTRUCTION.



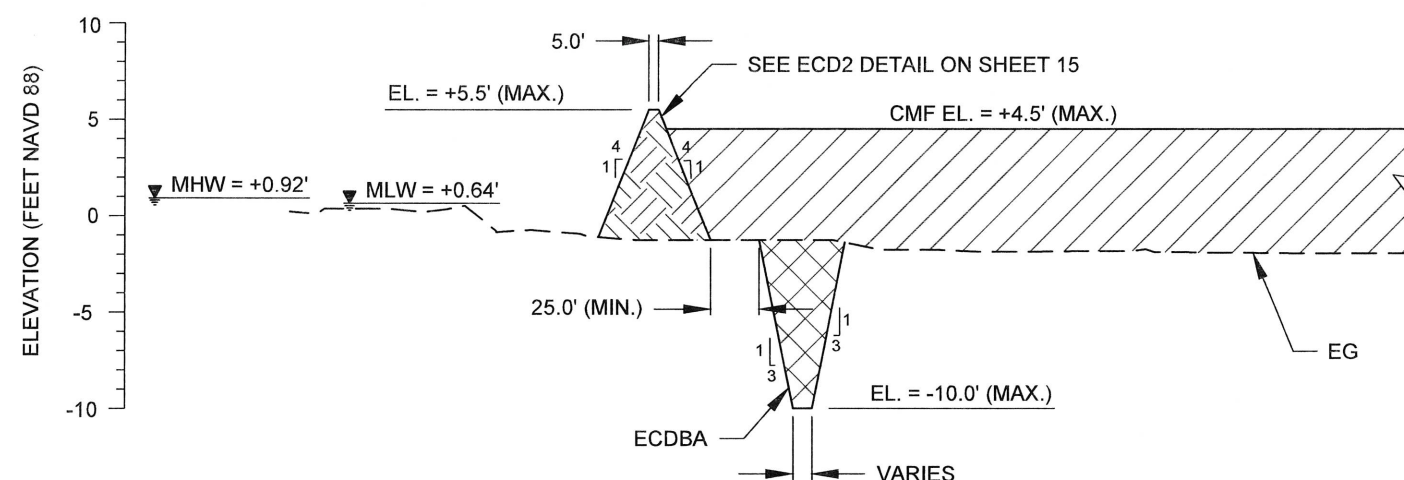
LEGEND	
---	EXISTING GROUND (EG)
	EARTHEN CONTAINMENT DIKE (ECD)
	EARTHEN CONTAINMENT DIKE BORROW AREA (ECDBA)
	MARSH CREATION AREA (MCA)

BAYOU CANE MARSH CREATION PROJECT		MARSH CREATION AREA TYPICAL SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
STATE PROJECT NUMBER: PO-0181		DESIGNED BY: ADAM LINSON, P.E. - 0044730							
DRAWN BY: SHANE FAUST		APPROVED BY: RUDY SIMONEAUX, P.E.							
DATE: JUNE 2025						REV.	DATE	DESCRIPTION	BY
SHEET 13 OF 36									

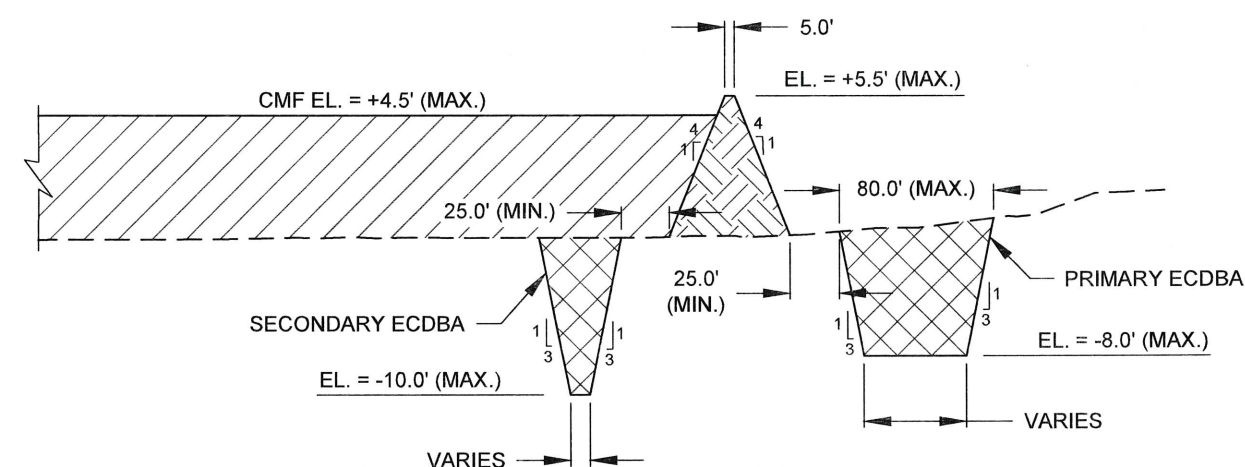


SOUTHWEST

NORTHEAST

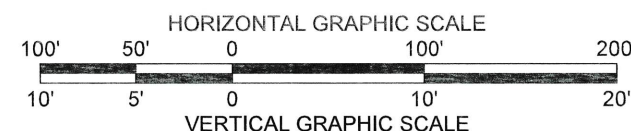


MCA7 MARSH CREATION AREA 7
7 TYPICAL SECTION



NOTES:

1. THE EARTHEN CONTAINMENT DIKES WILL BE CONSTRUCTED USING IN-SITU MATERIAL.
2. THE PRIMARY (EXTERIOR) BORROW AREA SHALL BE EXHAUSTED BEFORE UTILIZING THE SECONDARY (INTERIOR) BORROW AREA.
3. A MINIMUM FREEBOARD OF 1.0' SHALL BE MAINTAINED FOR EARTHEN CONTAINMENT DIKES AT ALL TIMES.
4. EARTHEN CONTAINMENT DIKES AND ASSOCIATED BORROW AREAS SHALL BE SURVEYED AND STAKED AS PER TS-200.8.9. STAKES SHALL REMAIN IN PLACE THROUGHOUT THE EARTHEN CONTAINMENT DIKE CONSTRUCTION.



LEGEND

- EXISTING GROUND (EG)
- EARTHEN CONTAINMENT DIKE (ECD)
- EARTHEN CONTAINMENT DIKE BORROW AREA (ECDBA)
- MARSH CREATION AREA (MCA)

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

MARSH CREATION AREA
TYPICAL SECTION

BAYOU CANE
MARSH CREATION PROJECT

DATE: JUNE 2025

SHEET 14 OF 36

DESIGNED BY: ADAM LINSON, P.E. - 0044730
APPROVED BY: RUDY SIMONEAUX, P.E.

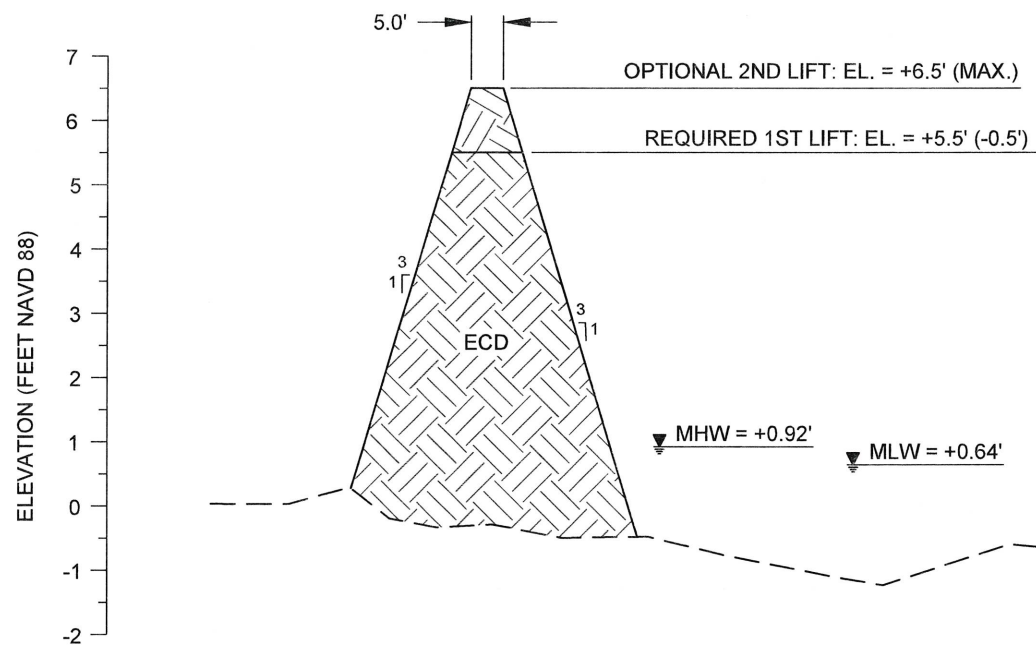
STATE PROJECT NUMBER: PO-0181
DRAWN BY: SHANE FAUST

DATE

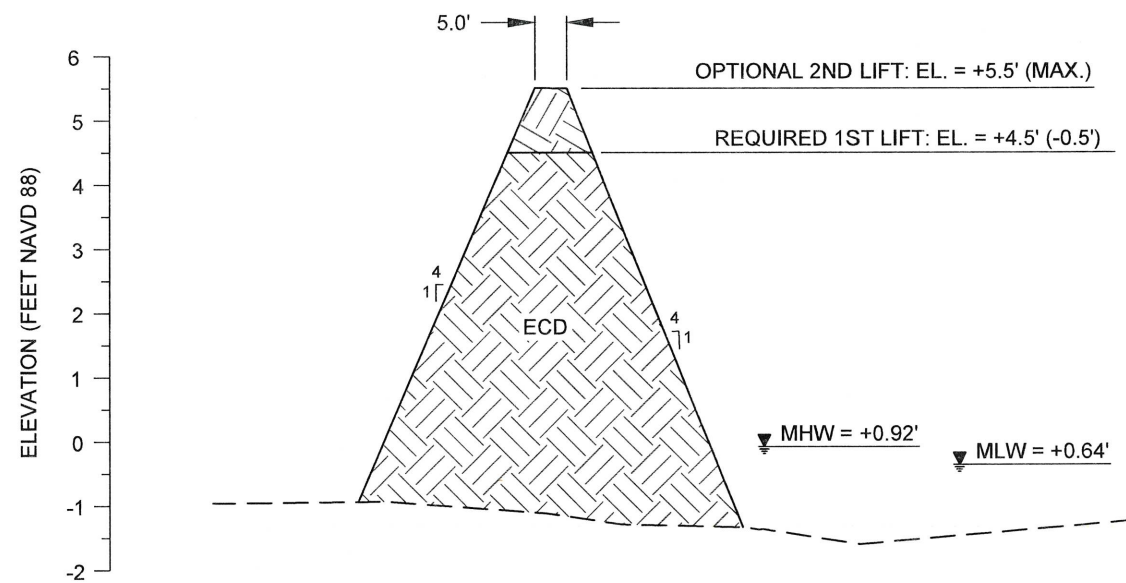
REV.

DESCRIPTION

BY

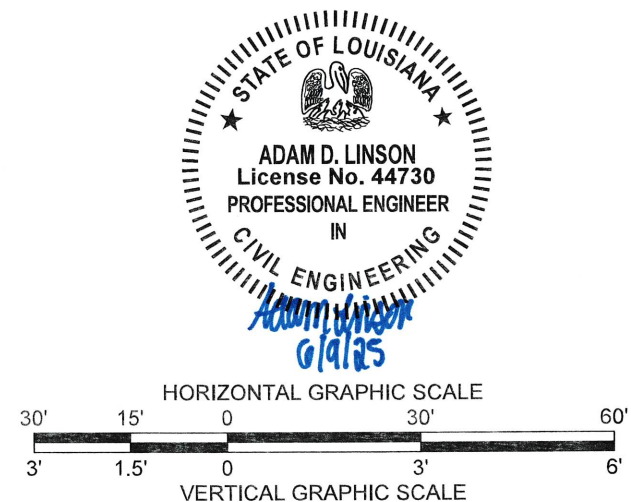


ECD1
11-13 EARTHEN CONTAINMENT DIKE (MCA 1, 2, 3, 4, 5 & 6)
DETAIL



ECD2
14 EARTHEN CONTAINMENT DIKE (MCA 7)
DETAIL

NOTE:
A MINIMUM FREEBOARD OF 1.0' SHALL BE MAINTAINED FOR
EARTHEN CONTAINMENT DIKES AT ALL TIMES.



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

EARTHEN CONTAINMENT DIKE
DETAILS

BAYOU CANE
MARSH CREATION PROJECT

DATE: JUNE 2025

SHEET 15 OF 36

DESIGNED BY: ADAM LINSON, P.E. - 0044730
APPROVED BY: RUDY SIMONEAUX, P.E.

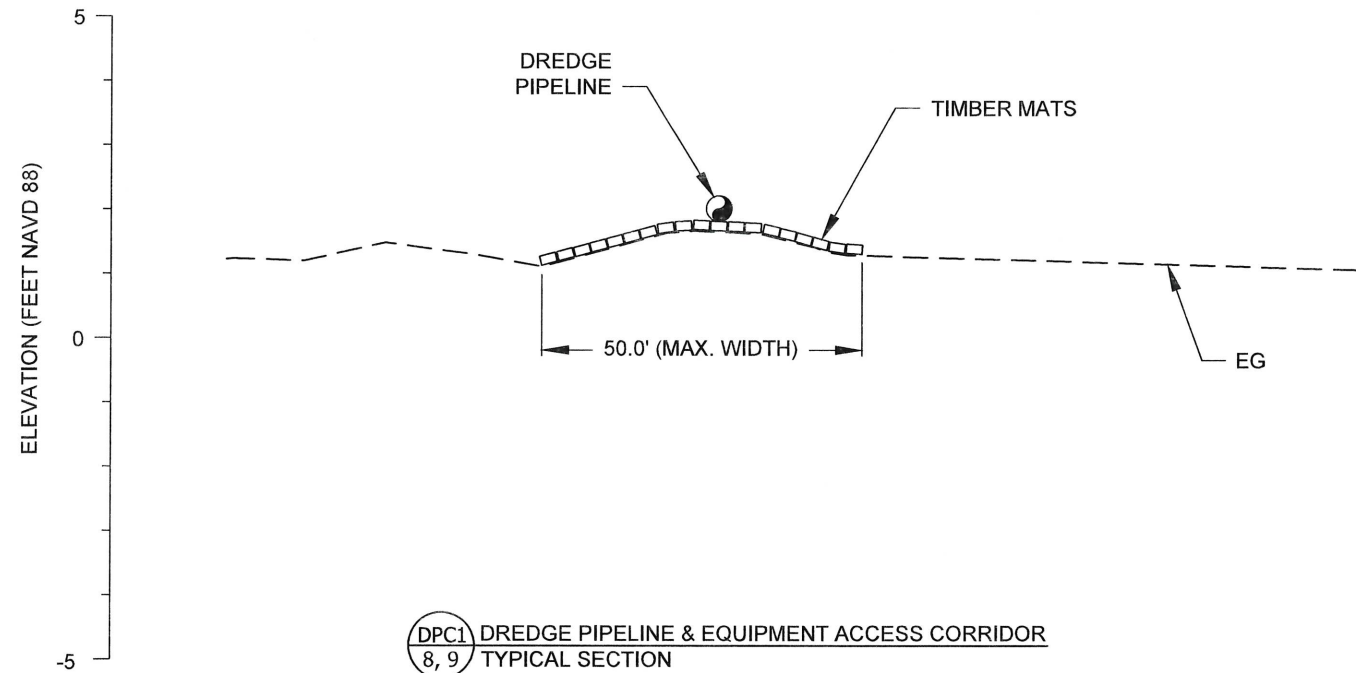
STATE PROJECT NUMBER: PO-0181
DRAWN BY: SHANE FAUST

DESCRIPTION

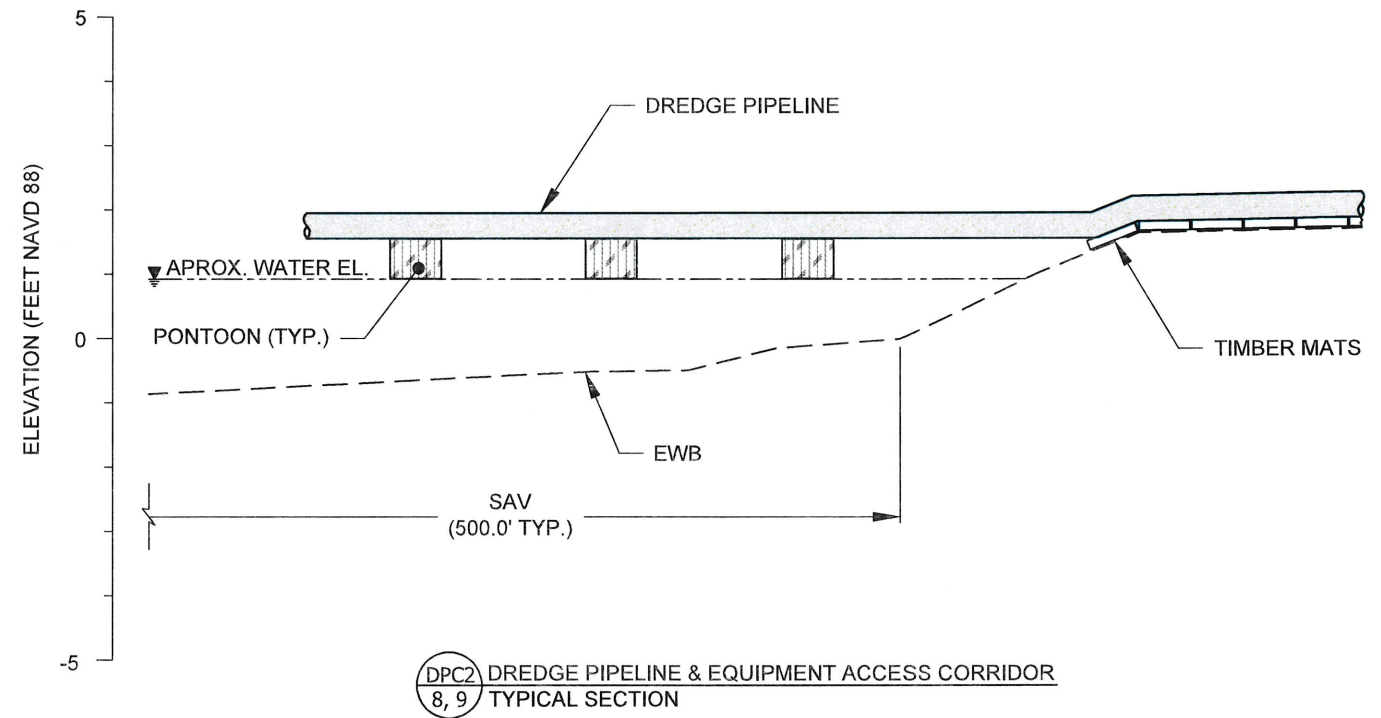
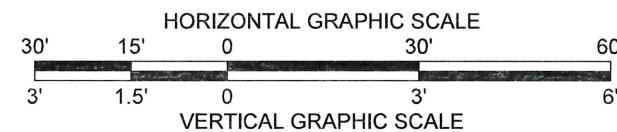
DATE

REV.

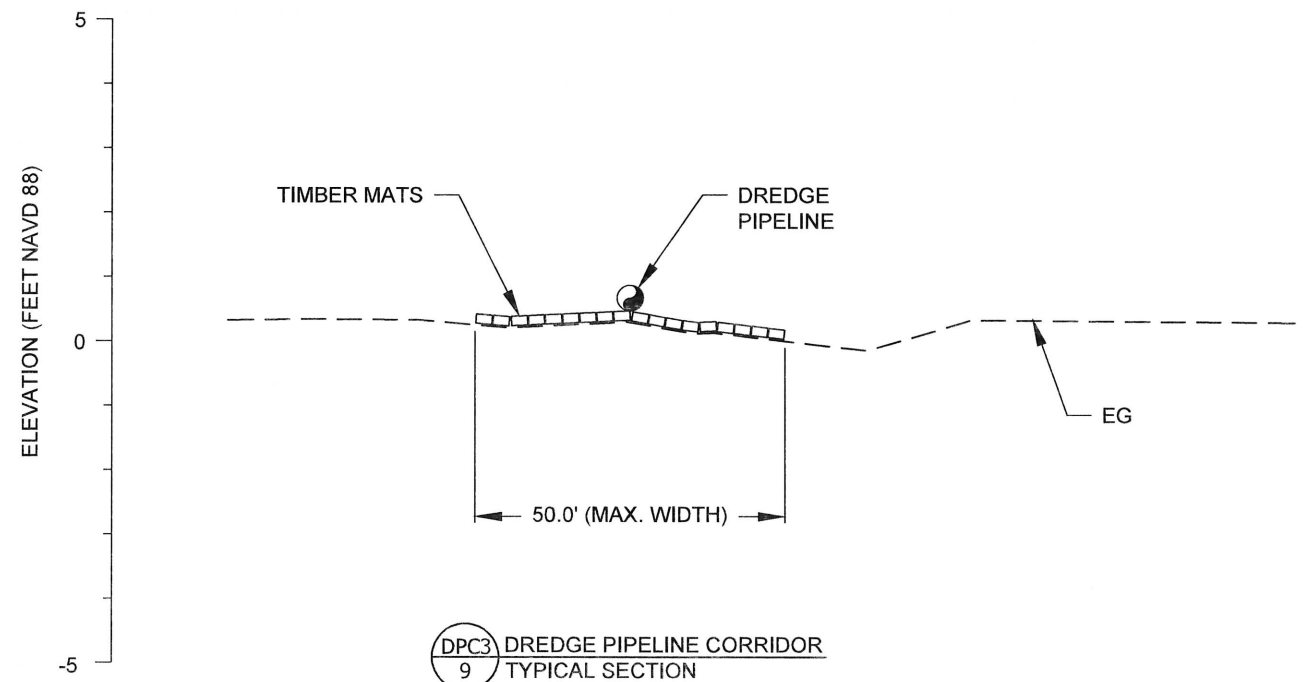
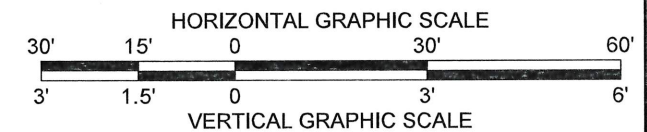
BY



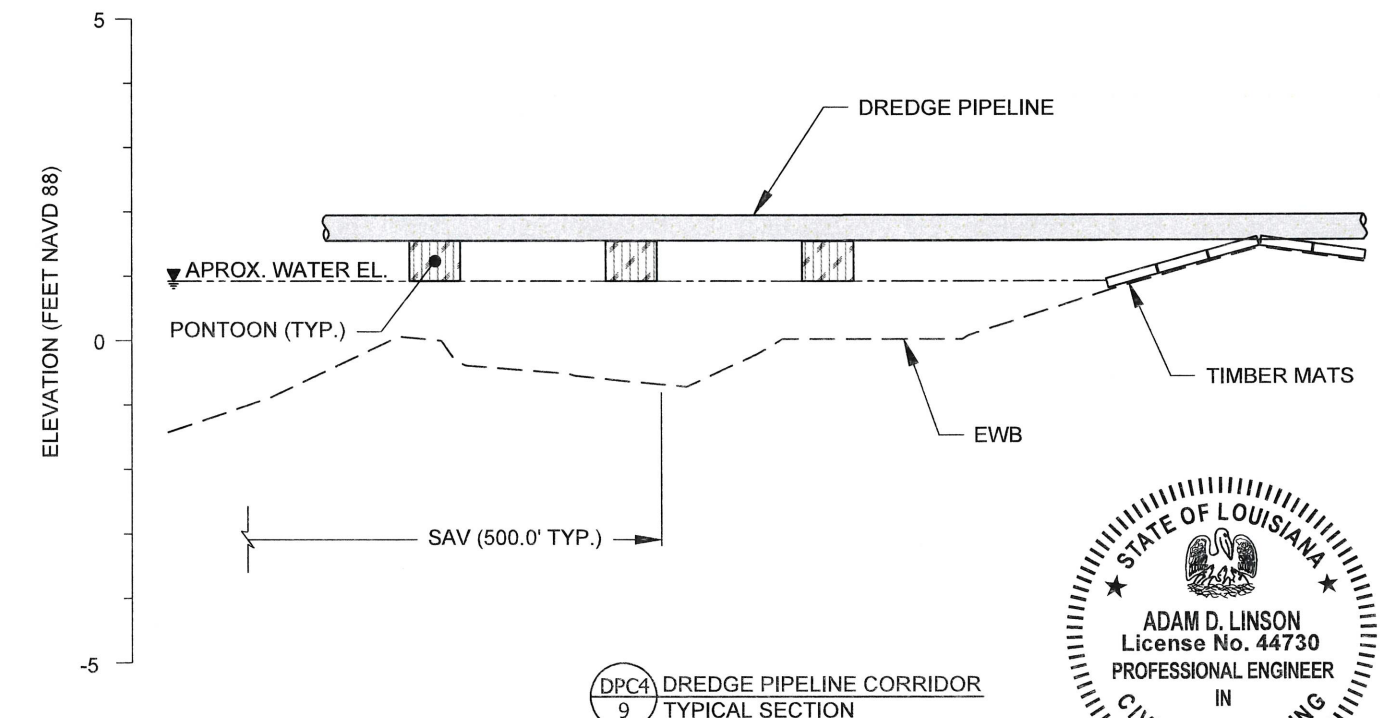
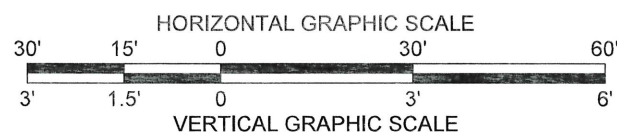
NOTE:
TIMBER MATS SHALL BE PLACED WHEN THE DREDGE PIPELINE OR THE EQUIPMENT ACCESS CORRIDOR CROSSES OVER THE EXISTING SHORELINE OR MARSH.



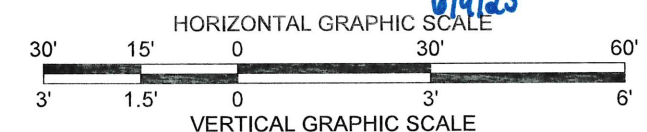
NOTE:
THE DREDGE PIPELINE SHALL BE FLOATED FROM THE SHORELINE OF LAKE PONCHARTRAIN TO A MINIMUM DISTANCE OF FIVE HUNDRED FEET (500.0') FROM THE SHORELINE TO AVOID IMPACTS TO EXISTING SUBMERGED AQUATIC VEGETATION (SAV). EQUIPMENT SHALL REMAIN FLOATING AT ALL TIMES IN AREAS WHERE SAV IS PRESENT.



NOTE:
TIMBER MATS SHALL BE PLACED WHEN THE DREDGE PIPELINE CROSSES OVER THE EXISTING SHORELINE OR MARSH.



NOTE:
THE DREDGE PIPELINE SHALL BE FLOATED FROM THE SHORELINE OF LAKE PONCHARTRAIN TO A MINIMUM DISTANCE OF FIVE HUNDRED FEET (500.0') FROM THE SHORELINE TO AVOID IMPACTS TO EXISTING SUBMERGED AQUATIC VEGETATION (SAV). EQUIPMENT SHALL REMAIN FLOATING AT ALL TIMES IN AREAS WHERE SAV IS PRESENT.



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

DREDGE PIPELINE CORRIDOR & EQUIPMENT ACCESS CORRIDOR TYPICAL SECTIONS

BAYOU CANE MARSH CREATION PROJECT

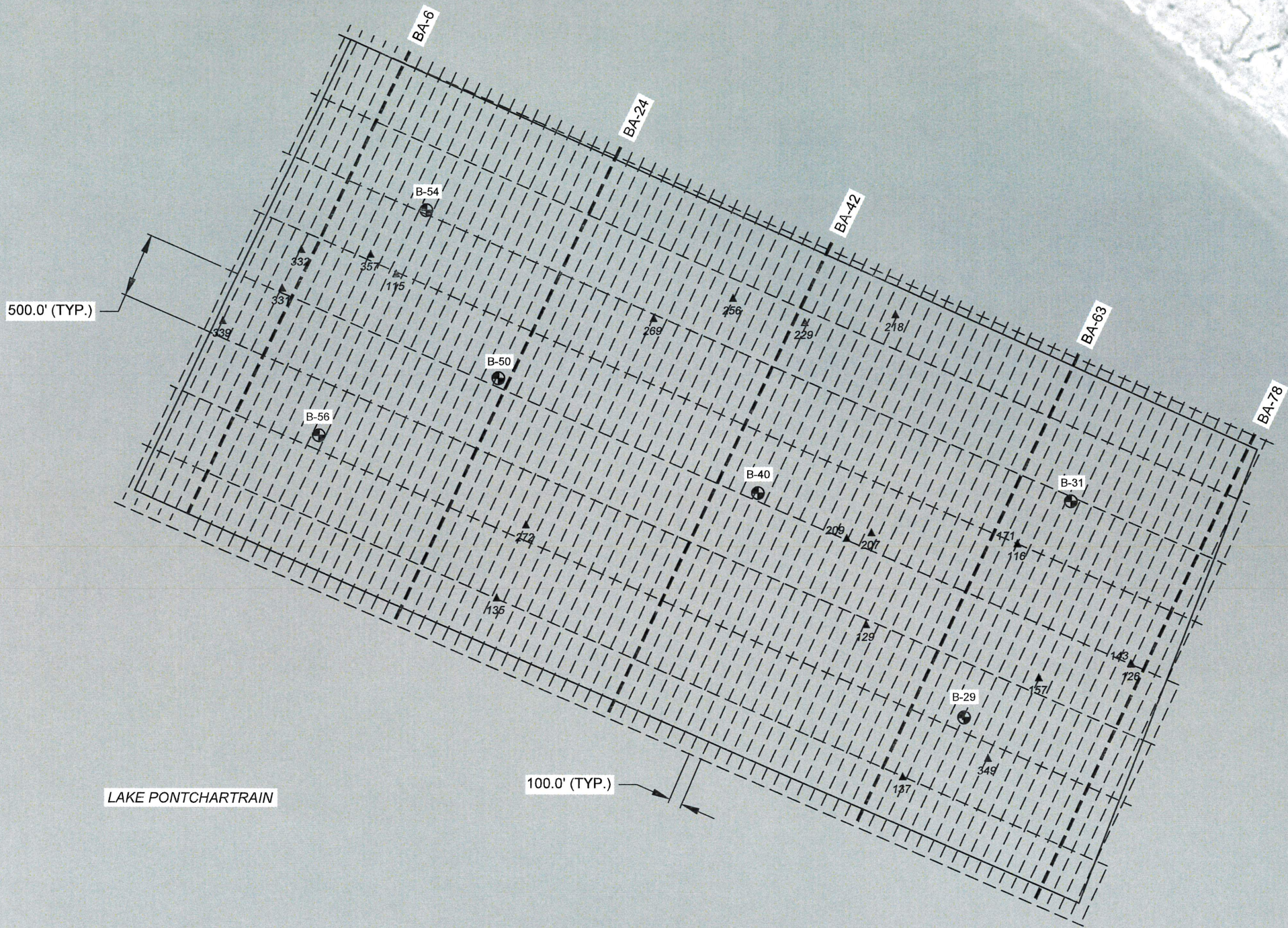
DATE: JUNE 2025
SHEET 16 OF 36

DESIGNED BY: ADAM LINSON, P.E. - 0044730
APPROVED BY: RUDY SIMONEAUX, P.E.

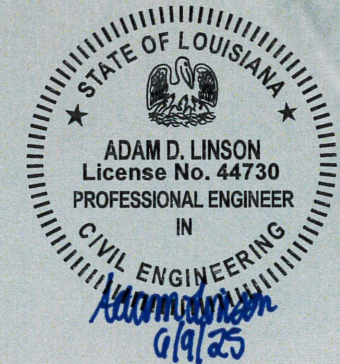
STATE PROJECT NUMBER: PO-0181
DRAWN BY: SHANE FAUST

REV.	DATE	DESCRIPTION	BY

SOIL BORING COORDINATES		
POINT	EASTING	NORTHING
B-29	3,698,381.97	656,677.18
B-31	3,699,211.64	658,345.27
B-40	3,696,787.19	658,408.23
B-50	3,694,769.91	659,294.35
B-54	3,694,205.99	660,589.97
B-56	3,693,376.93	658,852.89



- NOTES:
1. SURVEY DATA IS PROVIDED IN APPENDIX G OF THE SPECIFICATIONS.
 2. GEOTECHNICAL DATA IS PROVIDED IN APPENDIX H OF THE SPECIFICATIONS.
 3. MAGNETIC ANOMALIES ARE SHOWN FOR INFORMATIONAL PURPOSES. MAGNETIC ANOMALY DATA FILES ARE AVAILABLE IN APPENDIX G OF THE SPECIFICATIONS.
 4. CROSS SECTIONS FOR BOLD TRANSECTS IS PROVIDED ON SHEETS 27-28.



LEGEND	
▲	MAGNETOMETER ANOMALY
—	MARSH CREATION BORROW AREA (MCBA)
●	SOIL BORING
---	SURVEY TRANSECT

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
MARSH CREATION BORROW AREA GEOTECHNICAL INVESTIGATION & DESIGN SURVEY LAYOUT		DESIGNED BY: ADAM LINSON, P.E. - 0044730			
		APPROVED BY: RUDY SIMONEAUX, P.E.			
BAYOU CANE MARSH CREATION PROJECT		STATE PROJECT NUMBER: PO-0181			
		DRAWN BY: SHANE FAUST			
		DATE: JUNE 2025			
		SHEET 17 OF 36			

SOIL BORING COORDINATES

POINT	EASTING	NORTHING
M-1	3,688,520.66	668,446.23
M-2	3,691,693.24	667,154.95
M-3	3,694,586.10	665,644.37

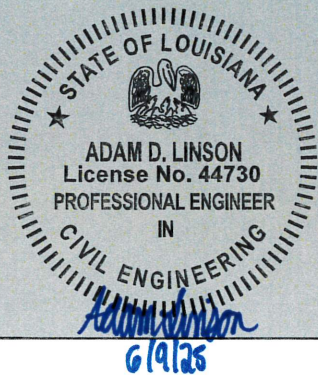
CPT COORDINATES

POINT	EASTING	NORTHING
C-1	3,687,573.24	669,179.29
C-2	3,688,520.66	668,446.23
C-3	3,688,435.14	667,204.22
C-4	3,689,404.84	666,574.52
C-5	3,691,338.72	665,842.48
C-6	3,691,693.24	667,154.95
C-7	3,692,533.45	665,982.13
C-8	3,693,244.47	665,918.83
C-9	3,694,586.10	665,644.37
C-10	3,695,215.87	664,745.33
C-38	3,691,807.23	667,840.42
C-39	3,692,674.56	667,322.60
C-40	3,692,750.53	666,694.31



NOTES:

1. SURVEY DATA IS PROVIDED IN APPENDIX G OF THE SPECIFICATIONS.
2. GEOTECHNICAL DATA IS PROVIDED IN APPENDIX H OF THE SPECIFICATIONS.
3. MAGNETIC ANOMALIES ARE SHOWN FOR INFORMATIONAL PURPOSES. MAGNETIC ANOMALY DATA FILES ARE AVAILABLE IN APPENDIX G OF THE SPECIFICATIONS.
4. CROSS SECTIONS FOR BOLD TRANSECTS IS PROVIDED ON SHEETS 29-34.



LEGEND

- CONE PENETRATION TEST (CPT)
- ▲ MAGNETOMETER ANOMALY
- MARSH CREATION AREA (MCA)
- - - MARSH CREATION BORROW AREA (MCBA)
- ⊕ SOIL BORING
- - - SURVEY TRANSECT

COASTAL PROTECTION AND RESTORATION AUTHORITY

150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

MARSH CREATION AREA
GEOTECHNICAL INVESTIGATION
& DESIGN SURVEY LAYOUT

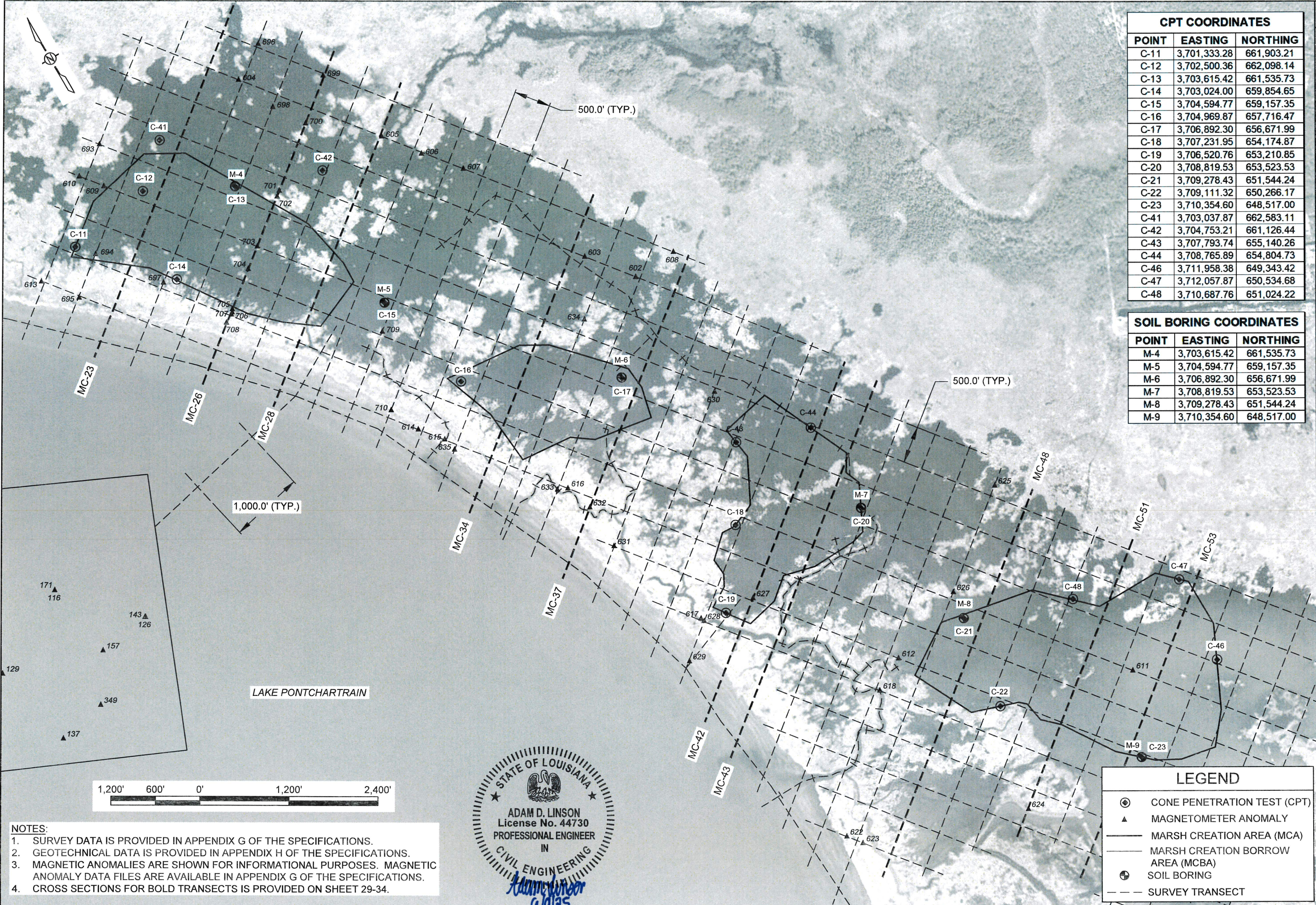
DESIGNED BY: ADAM LINSON, P.E. - 0044730
APPROVED BY: RUDY SIMONEAUX, P.E.

BAYOU CANE
MARSH CREATION PROJECT

STATE PROJECT NUMBER: PO-0181
DRAWN BY: SHANE FAUST

DATE: JUNE 2025

SHEET 18 OF 36



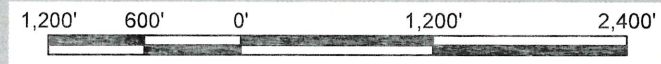
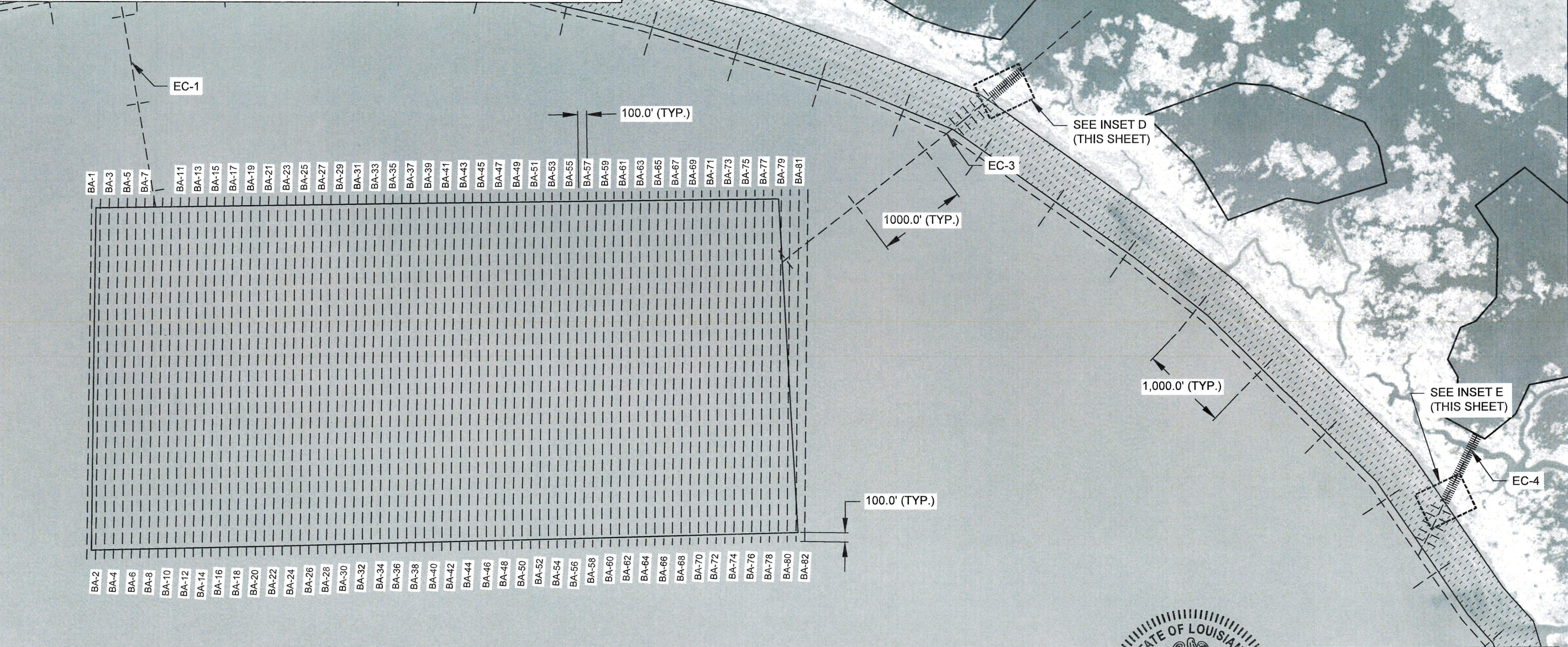
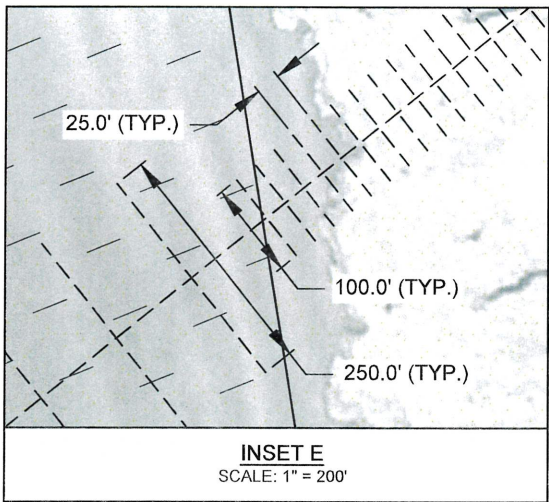
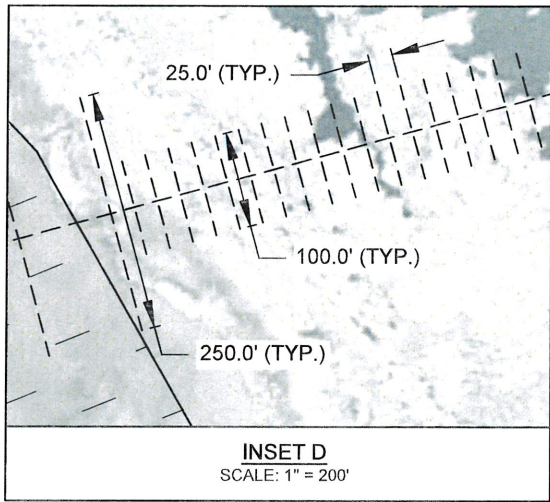
NOTES:
1. SURVEY DATA IS PROVIDED IN APPENDIX G OF THE SPECIFICATIONS.
2. GEOTECHNICAL DATA IS PROVIDED IN APPENDIX H OF THE SPECIFICATIONS.
3. MAGNETIC ANOMALIES ARE SHOWN FOR INFORMATIONAL PURPOSES. MAGNETIC ANOMALY DATA FILES ARE AVAILABLE IN APPENDIX G OF THE SPECIFICATIONS.
4. CROSS SECTIONS FOR BOLD TRANSECTS IS PROVIDED ON SHEET 29-34.

CPT COORDINATES		
POINT	EASTING	NORTHING
C-11	3,701,333.28	661,903.21
C-12	3,702,500.36	662,098.14
C-13	3,703,615.42	661,535.73
C-14	3,703,024.00	659,854.65
C-15	3,704,594.77	659,157.35
C-16	3,704,969.87	657,716.47
C-17	3,706,892.30	656,671.99
C-18	3,707,231.95	654,174.87
C-19	3,706,520.76	653,210.85
C-20	3,708,819.53	653,523.53
C-21	3,709,278.43	651,544.24
C-22	3,709,111.32	650,266.17
C-23	3,710,354.60	648,517.00
C-41	3,703,037.87	662,583.11
C-42	3,704,753.21	661,126.44
C-43	3,707,793.74	655,140.26
C-44	3,708,765.89	654,804.73
C-46	3,711,958.38	649,343.42
C-47	3,712,057.87	650,534.68
C-48	3,710,687.76	651,024.22

SOIL BORING COORDINATES		
POINT	EASTING	NORTHING
M-4	3,703,615.42	661,535.73
M-5	3,704,594.77	659,157.35
M-6	3,706,892.30	656,671.99
M-7	3,708,819.53	653,523.53
M-8	3,709,278.43	651,544.24
M-9	3,710,354.60	648,517.00

LEGEND	
	CONE PENETRATION TEST (CPT)
	MAGNETOMETER ANOMALY
	MARSH CREATION AREA (MCA)
	MARSH CREATION BORROW AREA (MCBA)
	SOIL BORING
	SURVEY TRANSECT

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
MARSH CREATION AREA GEOTECHNICAL INVESTIGATION & DESIGN SURVEY LAYOUT		DESIGNED BY: ADAM LINSON, P.E. - 0044730			
		APPROVED BY: RUDY SIMONEAUX, P.E.			
BAYOU CANE MARSH CREATION PROJECT		STATE PROJECT NUMBER: PO-0181			
		DRAWN BY: SHANE FAUST			
DATE: JUNE 2025		SHEET 19 OF 36			



NOTE:
TRANSECT COORDINATES ARE AVAILABLE ELECTRONICALLY.

LAKE PONTCHARTRAIN



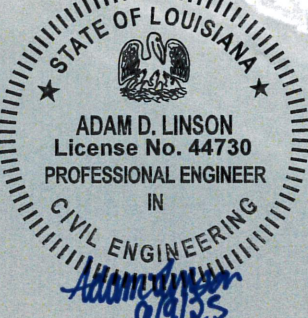
LEGEND	
	MARSH CREATION BORROW AREA (MCBA)
	MARSH CREATION AREA (MCA)
	SURVEY TRANSECT
	SUBMERGED AQUATIC VEGETATION (SAV)

BAYOU CANE MARSH CREATION PROJECT	STATE PROJECT NUMBER: PO-0181	MARSH CREATION BORROW AREA, EQUIPMENT ACCESS & DREDGE PIPELINE CORRIDOR CONSTRUCTION SURVEY LAYOUT	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802							
DATE: JUNE 2025			SHEET 21 OF 36							
DRAWN BY: SHANE FAUST			DESIGNED BY: ADAM LINSON, P.E. - 0044730			APPROVED BY: RUDY SIMONEAUX, P.E.				



- NOTES:**
1. THE PRE-CONSTRUCTION SURVEY OF THE MARSH CREATION AREAS SHALL NOT BEGIN UNTIL THE CONSTRUCTED EARTHEN CONTAINMENT DIKE FOR THE RESPECTIVE MARSH CREATION AREA HAS BEEN ACCEPTED AS PER TS-200.8.11.
 2. CROSS SECTIONS SHALL BE SURVEYED AND STAKED OUT IN ACCORDANCE WITH TS-200.8.9.
 3. SURVEYS OF EACH DENOTED WATERWAY SHALL CONSIST OF TWO (2) PARALLEL TRANSECTS SPACED TEN FEET (10') APART. REFER TO TS-200.8.8.
 4. TRANSECTS COORDINATES ARE AVAILABLE ELECTRONICALLY.
 5. PROPOSED SETTLEMENT PLATE COORDINATES ARE PROVIDED ON SHEET 35.
 6. NOT ALL EARTHEN CONTAINMENT DIKE SURVEY TRANSECTS ARE SHOWN FOR CLARITY PURPOSES.

STATE OF LOUISIANA



ADAM D. LINSON
License No. 44730
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

LEGEND

——

MARSH CREATION BORROW
AREA (MCBA)

SURVEY TRANSECT

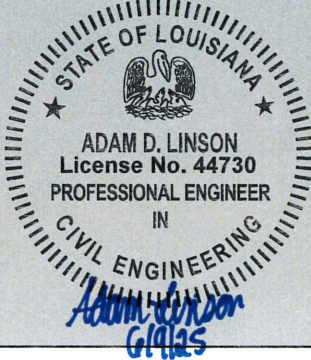
⊗

SETTLEMENT PLATE

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
EARTHEN CONTAINMENT DIKE CONSTRUCTION SURVEY LAYOUT		DESIGNED BY: ADAM LINSON, P.E. - 0044730 APPROVED BY: RUDY SIMONEAUX, P.E.			
BAYOU CANE MARSH CREATION PROJECT		STATE PROJECT NUMBER: PO-0181 DRAWN BY: SHANE FAUST			
		DATE: JUNE 2025			
		SHEET 22 OF 36			



- NOTES:**
1. THE PRE-CONSTRUCTION SURVEY OF THE MARSH CREATION AREAS SHALL NOT BEGIN UNTIL THE CONSTRUCTED EARTHEN CONTAINMENT DIKE FOR THE RESPECTIVE MARSH CREATION AREA HAS BEEN ACCEPTED AS PER TS-200.8.11.
 2. CROSS SECTIONS SHALL BE SURVEYED AND STAKED OUT IN ACCORDANCE WITH TS-200.8.9.
 3. SURVEYS OF EACH DENOTED WATERWAY SHALL CONSIST OF TWO (2) PARALLEL TRANSECTS SPACED TEN FEET (10') APART. REFER TO TS-200.8.8.
 4. TRANSECTS COORDINATES ARE AVAILABLE ELECTRONICALLY.
 5. PROPOSED SETTLEMENT PLATE COORDINATES ARE PROVIDED ON SHEET 35.
 6. NOT ALL EARTHEN CONTAINMENT DIKE SURVEY TRANSECTS ARE SHOWN FOR CLARITY PURPOSES.



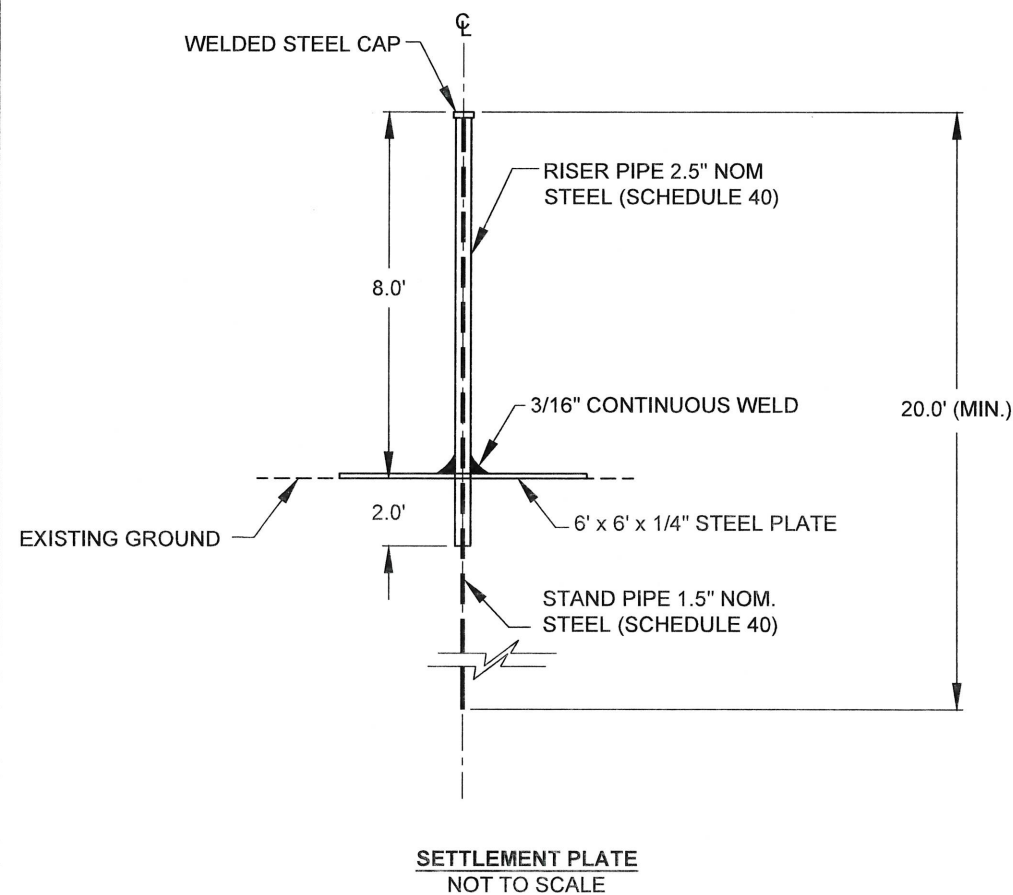
LEGEND	
	MARSH CREATION BORROW AREA (MCBA)
	SURVEY TRANSECT
	SETTLEMENT PLATE

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
EARTHEN CONTAINMENT DIKE CONSTRUCTION SURVEY LAYOUT		DESIGNED BY: ADAM LINSON, P.E. - 0044730			
		APPROVED BY: RUDY SIMONEAUX, P.E.			
BAYOU CANE MARSH CREATION PROJECT		STATE PROJECT NUMBER: PO-0181			
		DRAWN BY: SHANE FAUST			
		DATE: JUNE 2025			
		SHEET 23 OF 36			



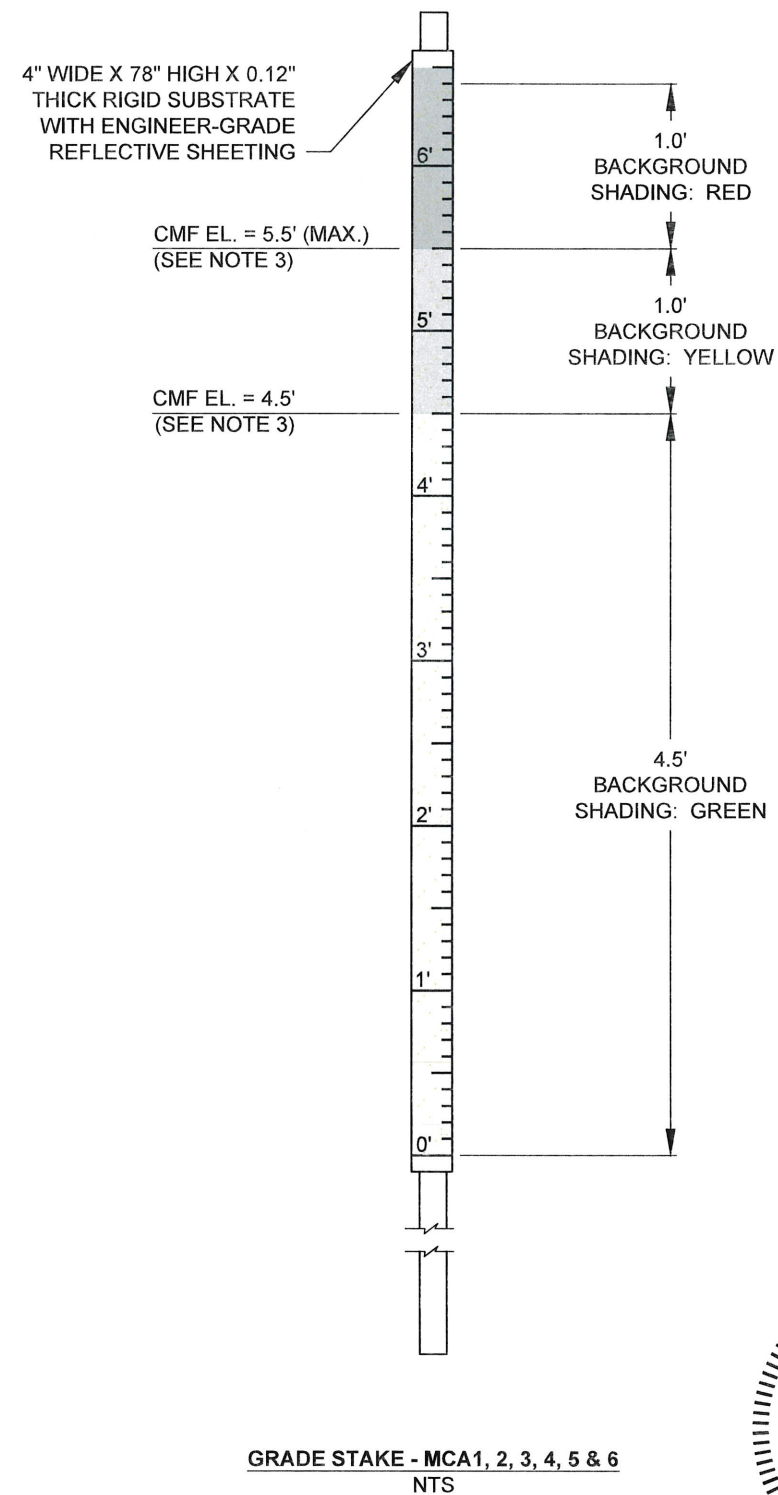
- NOTES:
1. THE PRE-CONSTRUCTION SURVEY OF THE MARSH CREATION AREAS SHALL NOT BEGIN UNTIL THE CONSTRUCTED EARTHEN CONTAINMENT DIKE FOR THE RESPECTIVE MARSH CREATION AREA HAS BEEN ACCEPTED AS PER TS-200.8.11.
 2. TRANSECTS COORDINATES ARE AVAILABLE ELECTRONICALLY.
 3. PROPOSED SETTLEMENT PLATE COORDINATES ARE PROVIDED ON SHEET 35.

BAYOU CANE MARSH CREATION PROJECT		MARSH CREATION AREA CONSTRUCTION SURVEY LAYOUT	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802			
STATE PROJECT NUMBER: PO-0181		DESIGNED BY: ADAM LINSON, P.E. - 0044730				
DRAWN BY: SHANE FAUST		APPROVED BY: RUDY SIMONEAUX, P.E.				
DATE: JUNE 2025			REV.	DATE	DESCRIPTION	BY
SHEET 24 OF 36						

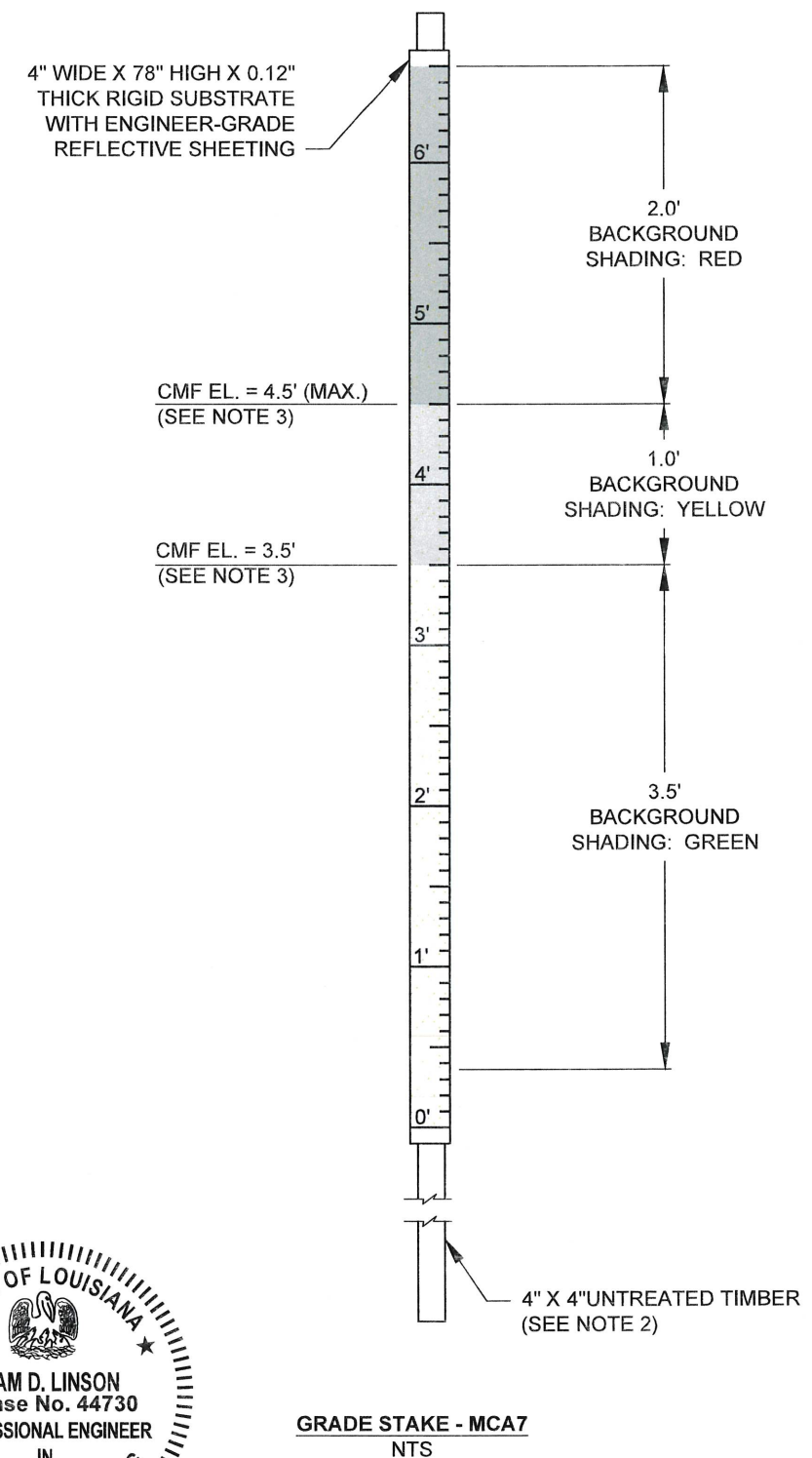


NOTES:

1. THE SETTLEMENT PLATES SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. THE FULL LENGTH OF THE STAND PIPE SHALL BE USED TO ANCHOR THE SETTLEMENT PLATE. THE CONTRACTOR SHALL DETERMINE THE APPROPRIATE INSTALLATION DEPTH OF THE STAND PIPE AT EACH LOCATION.



FOR INFORMATIONAL
PURPOSES ONLY



FOR INFORMATIONAL
PURPOSES ONLY

NOTES:

1. THE CONTRACTOR SHALL PROPOSE GRADE STAKE LOCATIONS IN THE WORK PLAN.
2. UNTREATED TIMBER TO BE EMBEDDED A MINIMUM OF EIGHT (8) FEET.
3. THE CONSTRUCTED MARSH FILL ELEVATIONS SHOWN CORRESPOND TO EARTHEN CONTAINMENT DIKES CONSTRUCTED WITH THE OPTIONAL LIFT (SEE SHEET 14). IF THE OPTIONAL LIFT IS NOT CONSTRUCTED, THE CONSTRUCTED MARSH FILL ELEVATIONS SHALL BE ONE (1) FOOT LESS. REFER TO THE CMF EL. TABLE AND TS-250 OF THE SPECIFICATIONS.



WITH OPTIONAL ECD LIFT			WITHOUT OPTIONAL ECD LIFT	
MCA	MAX. CMF EL.	LOWER CMF EL.	MAX. CMF EL.	LOWER CMF EL.
1	5.5'	4.5'	4.5'	3.5'
2	5.5'	4.5'	4.5'	3.5'
3	5.5'	4.5'	4.5'	3.5'
4	5.5'	4.5'	4.5'	3.5'
5	5.5'	4.5'	4.5'	3.5'
6	5.5'	4.5'	4.5'	3.5'
7	4.5'	3.5'	3.5'	2.5'

COASTAL PROTECTION AND
RESTORATION AUTHORITY
150 TERRACE AVENUE

150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

SETTLEMENT PLATE AND GRADE STAKE DETAILS

DESIGNED BY: ADAM LINSON, P.E. - 0044730

APPROVED BY: RUDY SIMONEAUX, P.E.

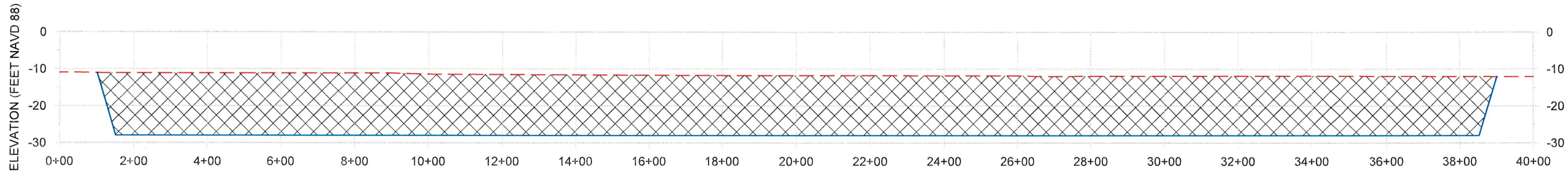
BAYOU CANE
MARSH CREATION PROJECT

STATE PROJECT NUMBER: PO-0181

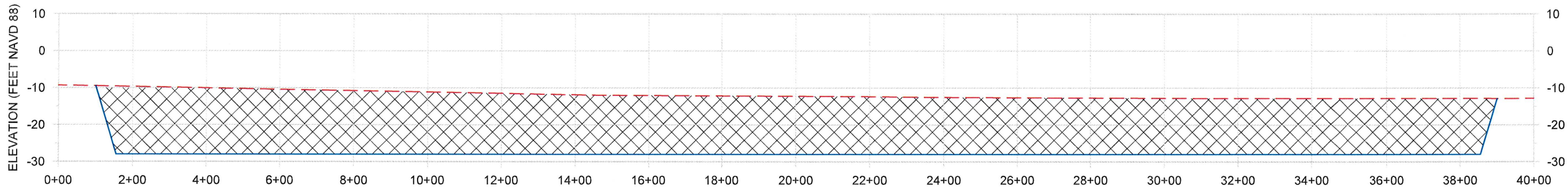
DRAWN BY: SHANE FAUST

DATE: JUNE 2025

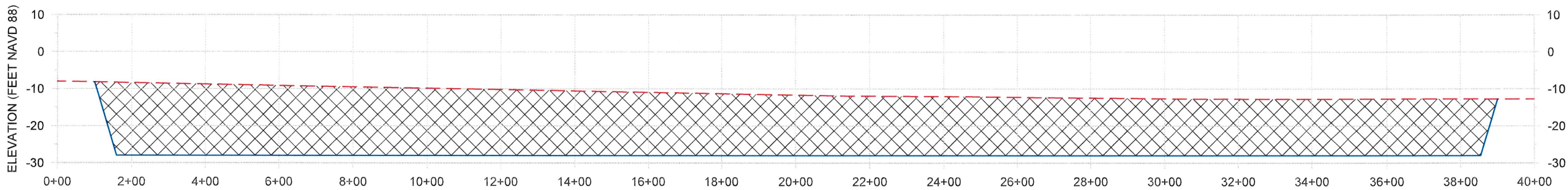
SHEET 26 OF 36



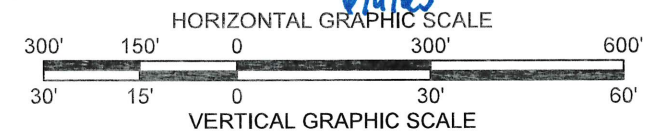
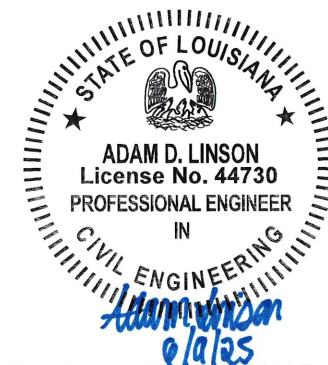
TRANSECT BA-6



TRANSECT BA-24



TRANSECT BA-42



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

MARSH CREATION BORROW AREA
CROSS SECTIONS

DESIGNED BY: ADAM LINSON, P.E. - 0044730

APPROVED BY: RUDY SIMONEAUX, P.E.

BAYOU CANE
MARSH CREATION PROJECT

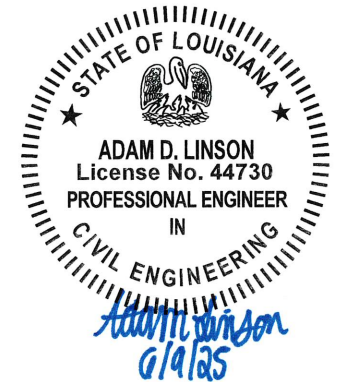
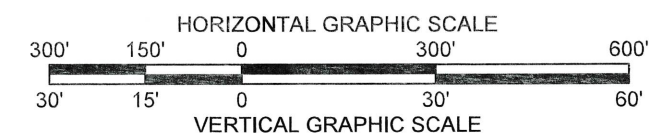
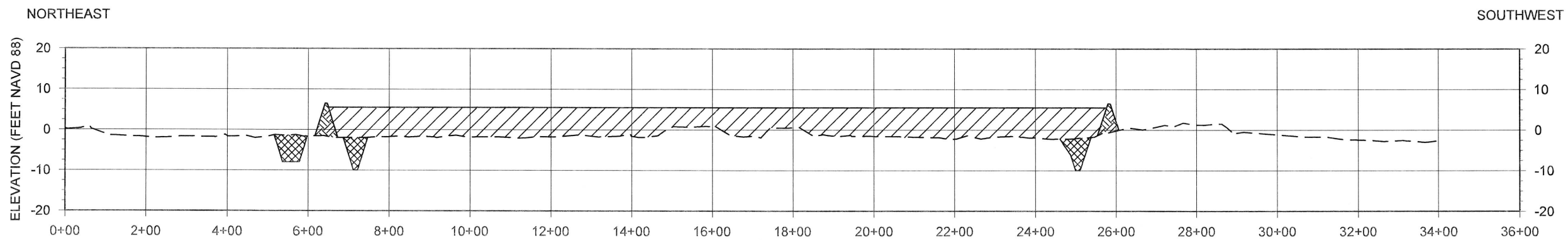
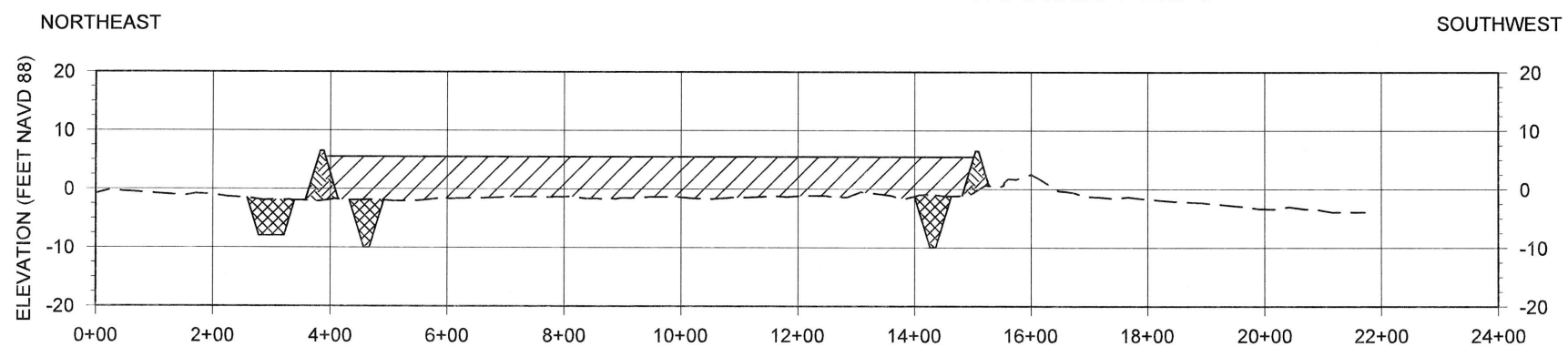
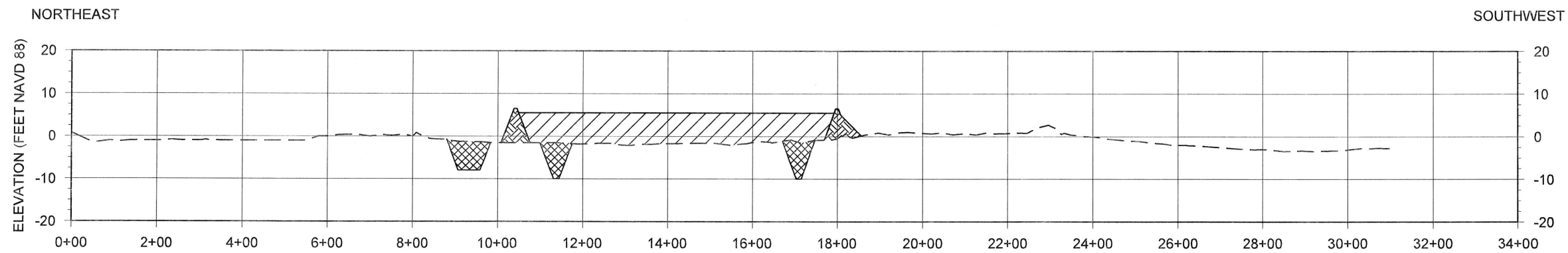
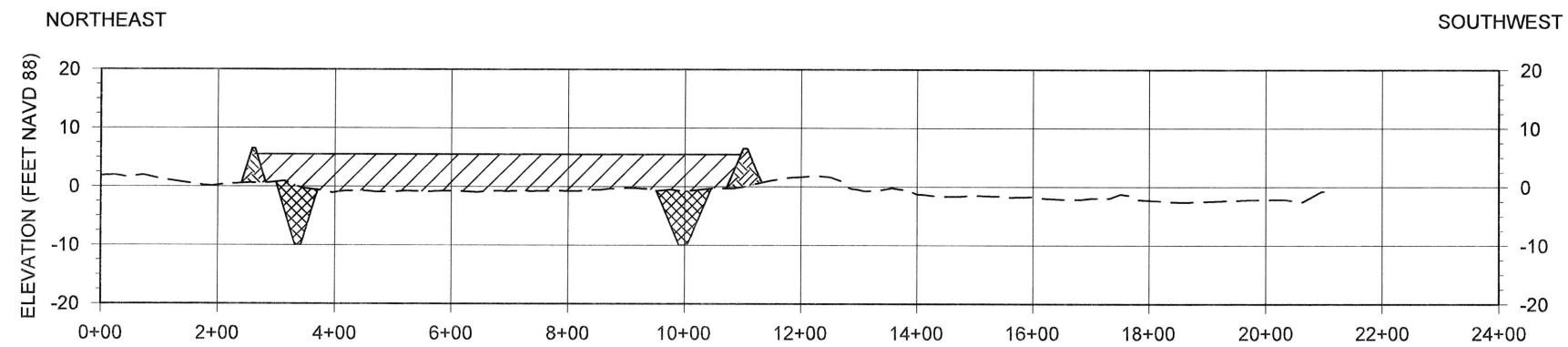
STATE PROJECT NUMBER: PO-0181

DRAWN BY: SHANE FAUST

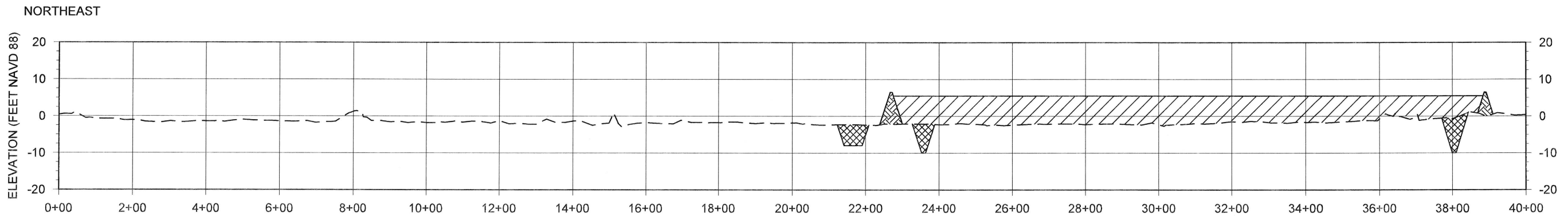
DATE: JUNE 2025

SHEET 27 OF 36

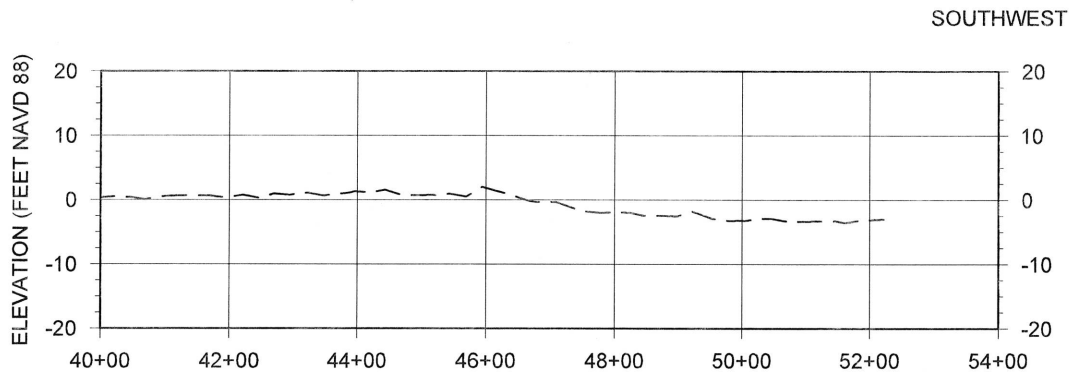
REV.	DATE	DESCRIPTION	BY



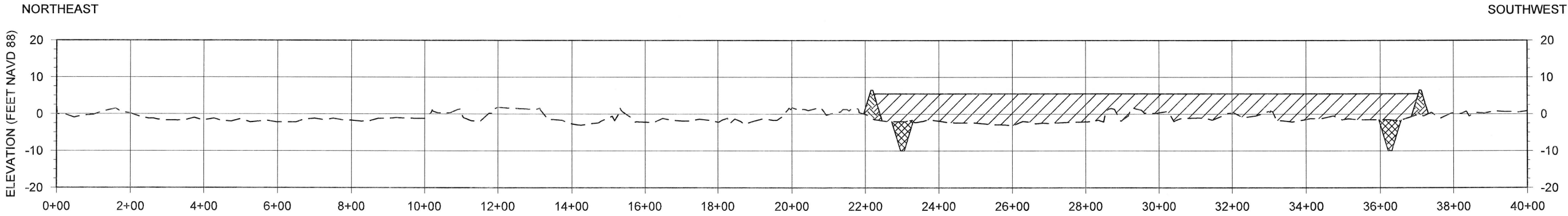
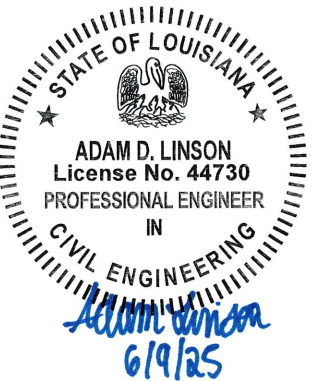
BAYOU CANE MARSH CREATION PROJECT		MARSH CREATION AREA CROSS SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
STATE PROJECT NUMBER: PO-0181		DESIGNED BY: ADAM LINSON, P.E. - 0044730							
DRAWN BY: SHANE FAUST		APPROVED BY: RUDY SIMONEAUX, P.E.							
DATE: JUNE 2025				REV.		DATE		DESCRIPTION	
SHEET 29 OF 36								BY	



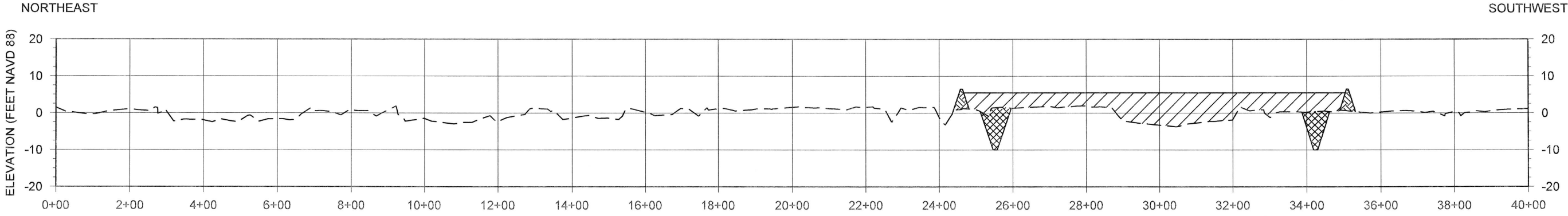
TRANSECT MC-23



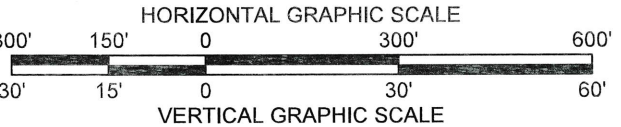
TRANSECT MC-23



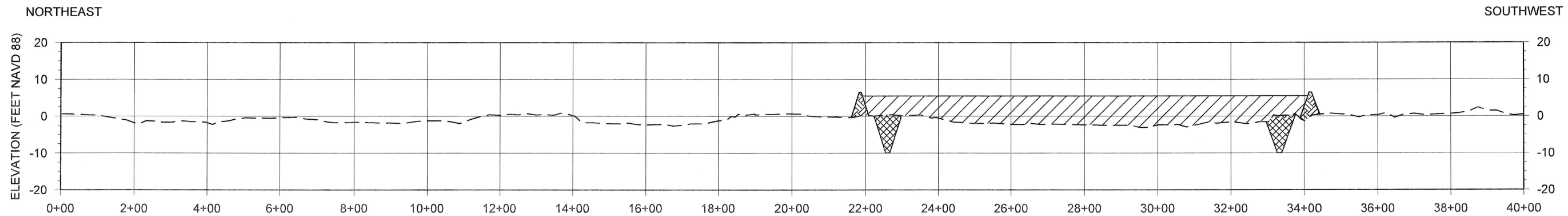
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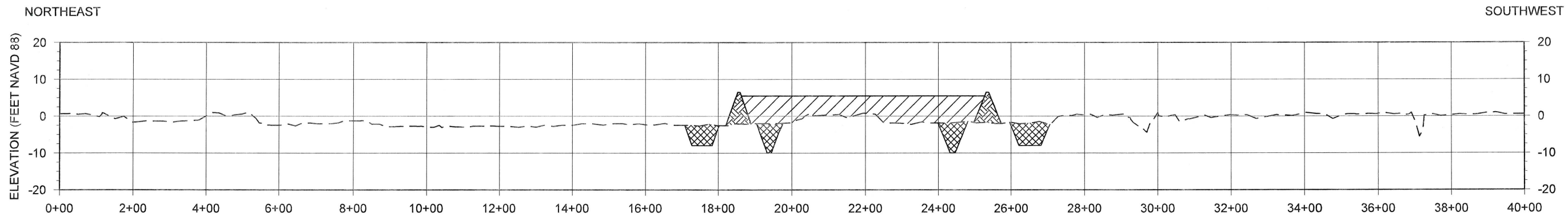
TRANSECT MC-28



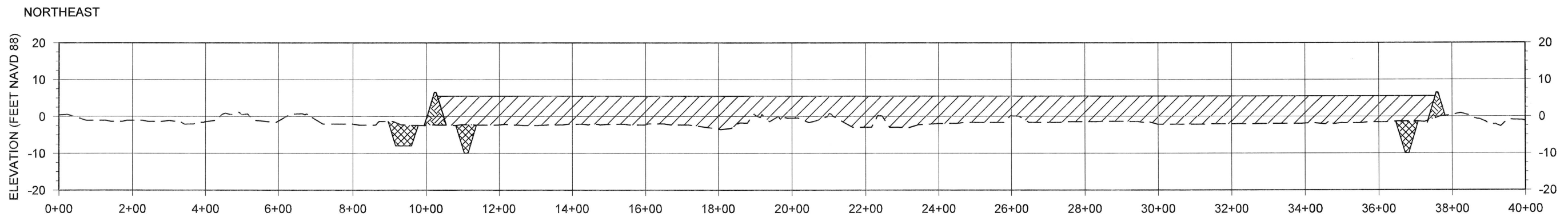
BAYOU CANE MARSH CREATION PROJECT		MARSH CREATION AREA CROSS SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
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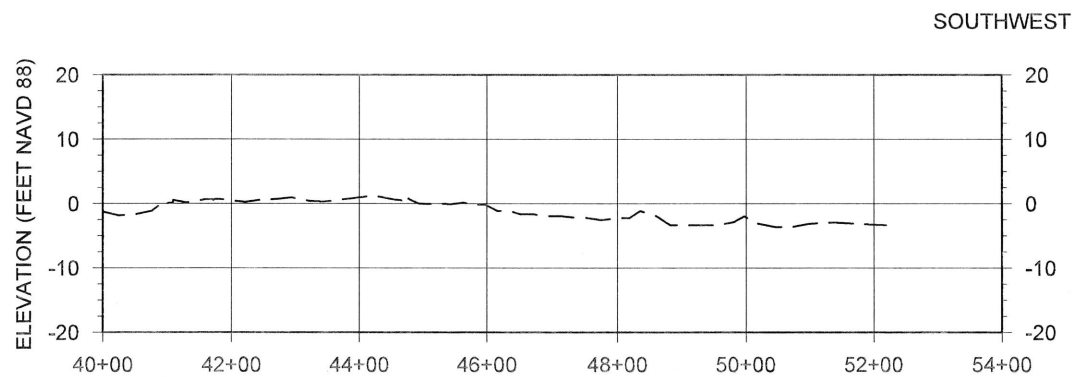
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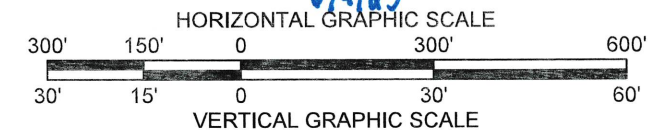
TRANSECT MC-37



TRANSECT MC-42



TRANSECT MC-42



BAYOU CANE MARSH CREATION PROJECT		MARSH CREATION AREA CROSS SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
STATE PROJECT NUMBER: PO-0181		DESIGNED BY: ADAM LINSON, P.E. - 0044730							
DRAWN BY: SHANE FAUST		APPROVED BY: RUDY SIMONEAUX, P.E.							
DATE: JUNE 2025									
SHEET 32 OF 36									

MCBA COORDINATES		
POINT	NORTHING	EASTING
BA-1	661,906.56	3,693,614.94
BA-2	658,744.54	3,700,658.69
BA-3	655,247.59	3,699,269.15
BA-4	658,428.86	3,691,945.77

MCA 1 EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
M1-1	669,235.74	3,687,557.33
M1-2	669,293.65	3,687,795.91
M1-3	668,988.38	3,688,477.50
M1-4	668,692.13	3,688,486.19
M1-5	667,876.19	3,688,670.27
M1-6	667,299.01	3,689,075.61
M1-7	667,187.77	3,689,299.22
M1-8	667,073.70	3,689,396.08
M1-9	666,383.80	3,689,399.93
M1-10	666,103.31	3,689,010.97
M1-11	666,200.48	3,688,787.15
M1-12	666,493.45	3,688,650.71
M1-13	666,887.77	3,688,642.47
M1-14	667,145.90	3,688,427.00
M1-15	667,668.04	3,688,212.50
M1-16	667,840.87	3,688,247.82
M1-17	668,380.95	3,687,951.29
M1-18	668,503.74	3,687,826.10
M1-19	669,021.31	3,687,553.92
M1-20	669,115.29	3,687,525.39

MCA 2 EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
M2-1	666,139.64	3,690,991.90
M2-2	666,428.45	3,691,136.96
M2-3	666,839.27	3,690,964.72
M2-4	667,312.89	3,691,304.93
M2-5	667,728.31	3,691,440.81
M2-6	667,910.62	3,691,685.58
M2-7	667,199.95	3,692,894.43
M2-8	666,717.53	3,692,756.66
M2-9	666,441.42	3,692,568.60
M2-10	666,200.25	3,692,602.42
M2-11	666,027.21	3,692,562.31
M2-12	665,879.44	3,692,400.57
M2-13	666,006.97	3,691,657.08
M2-14	665,873.53	3,691,532.32
M2-15	665,834.85	3,691,292.41
M2-16	665,869.92	3,691,142.76

MCA 3 EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
M3-1	665,937.30	3,693,246.12
M3-2	666,152.53	3,693,605.96
M3-3	665,787.16	3,694,510.94
M3-4	665,388.96	3,694,781.91
M3-5	665,268.12	3,695,019.45
M3-6	665,231.94	3,695,244.17
M3-7	664,940.81	3,695,573.04
M3-8	664,834.29	3,695,477.61
M3-9	664,709.04	3,695,062.79
M3-10	664,815.53	3,694,843.81
M3-11	665,011.71	3,694,588.61
M3-12	665,271.19	3,694,368.01
M3-13	665,279.45	3,694,127.36
M3-14	665,214.84	3,693,864.25
M3-15	665,357.44	3,693,425.24
M3-16	665,716.93	3,693,233.47

MCA 4 EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
M4-1	661,812.85	3,701,223.01
M4-2	662,312.95	3,701,850.55
M4-3	662,594.79	3,703,050.39
M4-4	662,380.87	3,703,573.97
M4-4A	661,251.74	3,703,842.29
M4-5	661,515.77	3,704,571.02
M4-6	661,288.28	3,704,725.72
M4-7	660,825.54	3,704,806.16
M4-8	660,596.48	3,704,227.83
M4-9	660,324.42	3,704,286.76
M4-10	659,834.26	3,704,890.01
M4-11	659,667.67	3,705,469.32
M4-12	659,361.80	3,705,588.54
M4-13	659,159.42	3,705,354.06
M4-14	659,152.23	3,704,384.32
M4-15	659,013.45	3,704,060.74
M4-16	658,590.26	3,704,016.88
M4-17	658,656.99	3,703,828.45
M4-18	658,991.10	3,703,700.52
M4-19	659,313.35	3,703,690.00
M4-20	659,621.32	3,703,263.62
M4-21	659,949.67	3,702,916.54
M4-22	661,147.29	3,702,072.37

MCA 5 EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
M5-1	657,844.94	3,704,824.14
M5-2	657,743.68	3,705,893.33
M5-3	657,544.48	3,706,249.50
M5-4	656,730.64	3,707,022.51
M5-5	656,420.96	3,707,054.76
M5-6	656,004.28	3,706,961.06
M5-7	656,123.73	3,706,156.65
M5-8	656,321.87	3,705,872.28
M5-9	656,378.12	3,705,167.87
M5-10	657,132.28	3,705,090.44

MCA 6 EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
M6-1	655,345.73	3,707,758.63
M6-2	655,498.87	3,708,442.87
M6-3	654,269.47	3,709,017.04
M6-4	654,038.54	3,708,878.98
M6-5	653,834.05	3,708,967.00
M6-6	653,235.01	3,708,678.02
M6-7	653,180.33	3,708,490.47
M6-8	653,154.42	3,707,871.98
M6-9	653,260.46	3,707,443.03
M6-10	653,476.27	3,706,326.42
M6-11	653,590.48	3,706,466.54
M6-12	653,476.27	3,706,326.42
M6-13	653,590.48	3,706,466.54
M6-14	653,532.01	3,706,676.07
M6-15	653,682.39	3,706,757.33
M6-16	653,907.61	3,706,737.00
M6-17	654,174.68	3,707,023.33
M6-18	654,166.44	3,707,205.92
M6-19	654,311.07	3,707,534.73
M6-20	654,900.96	3,707,830.13

MCA 7 EARTHEN CONTAINMENT DIKE CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
M7-1	651,636.65	3,708,101.16
M7-2	651,802.01	3,709,178.02
M7-3	651,405.22	3,710,271.27
M7-4	650,762.42	3,710,944.47
M7-5	650,772.87	3,711,818.84
M7-6	650,446.85	3,712,152.74
M7-7	649,786.94	3,712,160.60
M7-8	648,730.26	3,711,664.15
M7-9	648,336.57	3,711,341.94
M7-10	648,424.86	3,710,864.22
M7-11	649,332.06	3,709,435.61
M7-12	649,701.03	3,709,381.67
M7-13	649,836.81	3,709,489.73
M7-14	650,108.95	3,709,440.09
M7-15	650,389.68	3,708,729.56

DREDGE PIPELINE/EQUIPMENT ACCESS COORIDOR COORDINATES		
POINT	NORTHING	EASTING
1	666,103.39	3,689,010.77
2	665,264.67	3,689,245.94
3	665,002.89	3,691,213.12
4	664,026.30	3,694,868.39
5	661,632.66	3,694,226.96
6	664,713.99	3,695,052.60
7	663,200.27	3,696,914.94
8	662,321.39	3,698,527.91
9	661,121.81	3,700,039.42
10	659,433.55	3,701,923.75
11	658,610.49	3,702,688.48
12	658,079.05	3,700,394.25
13	658,887.46	3,703,740.19
14	658,890.00	3,703,749.49
15	659,164.98	3,704,759.09
16	659,539.92	3,704,208.98
17	659,641.48	3,706,431.71
18	659,662.68	3,706,617.64
19	659,465.17	3,706,787.05
20	658,910.87	3,706,908.18
21	658,400.22	3,707,105.17
22	657,789.97	3,707,415.21
23	656,974.08	3,707,569.33
24	656,806.46	3,706,951.02
25	656,827.59	3,707,585.69
26	656,242.41	3,707,838.92
27	655,567.92	3,708,553.62
28	653,977.60	3,709,277.81
29	653,399.62	3,709,229.39
30	653,541.79	3,708,826.01
31	651,574.40	3,709,354.13
32	666,724.74	3,692,758.72
33	666,599.16	3,693,225.16
34	666,423.28	3,693,502.72
35	666,101.28	3,693,723.99
36	653,186.64	3,708,876.06
37	653,020.55	3,708,702.66
38	653,106.63	3,708,214.02
39	653,063.41	3,707,899.41
40	653,109.91	3,707,671.15
41	653,043.45	3,707,375.04
42	652,942.27	3,707,275.73
43	652,704.53	3,707,086.13
44	652,482.42	3,706,974.02
45	652,366.78	3,707,025.44
46	652,395.65	3,707,232.92
47	652,201.23	3,707,452.60
48	651,884.31	3,707,482.83
49	651,706.96	3,707,618.95
50	651,594.09	3,707,665.14
51	651,668.36	3,707,948.82
52	651,889.71	3,708,241.02
53	651,423.36	3,708,651.43
54	651,499.84	3,707,502.45
55	651,377.70	3,707,533.26

DREDGE PIPELINE/EQUIPMENT ACCESS COORIDOR COORDINATES		
POINT	NORTHING	EASTING
56	651,328.31	3,707,749.12
57	651,237.05	3,707,803.49
58	651,053.46	3,707,664.74
59	650,829.43	3,707,608.35
60	650,794.20	3,707,533.57
61	650,936.25	3,707,340.80
62	650,742.55	3,707,170.89
63	650,603.48	3,707,047.68
64	650,559.44	3,706,945.75
65	650,615.40	3,706,578.67
66	650,615.40	3,706,578.67
67	653,181.85	3,706,542.68
68	650,795.41	3,705,749.56
69	651,193.56	3,705,633.00
70	652,721.07	3,705,384.50
71	652,050.96	3,705,493.83
72	655,462.92	3,704,424.31
73	656,395.62	3,703,955.13

SETTLEMENT PLATE COORDINATES		
POINT	NORTHING	EASTING
SP1	668,599.49	3,688,177.36
SP2	667,215.84	3,688,757.55
SP3	665,502.20	3,691,388.18
SP4	667,320.39	3,691,886.86
SP5	666,396.53	3,692,138.73
SP6	665,666.73	3,693,748.64
SP7	665,070.06	3,694,876.84
SP8	661,964.51	3,702,279.27
SP9	661,498.86	3,703,298.28
SP10	660,184.79	3,703,256.20
SP11	659,987.57	3,703,838.74
SP12	657,225.49	3,705,560.09
SP13	656,645.49	3,706,436.08
SP14	654,849.87	3,708,193.77
SP15	653,682.95	3,708,335.39
SP16	653,422.33	3,707,208.82
SP17	651,265.70	3,708,915.10
SP18	650,487.28	3,709,943.11
SP19	649,406.06	3,710,592.96
SP20	649,873.02	3,711,576.86

APPROXIMATE FLOATING DREDGE PIPELINE COORDINATES		
POINT	NORTHING	EASTING
E-1	665,924.08	3,689,061.05
E-2	665,342.47	3,689,224.13
E-3	664,474.15	3,694,988.36
E-4	664,098.74	3,694,887.80
E-5	658,760.51	3,703,274.06
E-6	658,630.00	3,702,772.72
E-7	658,885.68	3,703,733.64
E-8	658,630.00	3,702,772.72
E-9	652,997.78	3,706,677.87
E-10	652,050.96	3,705,493.83



BAYOU CANE MARSH CREATION PROJECT		COORDINATE TABLES	<div>COASTAL PROTECTION AND RESTORATION AUTHORITY</div> <div>150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802</div>						
STATE PROJECT NUMBER: PO-0181							DESIGNED BY: ADAM LINSON, P.E.		
DRAWN BY: SHANE FAUST		APPROVED BY: RUDY SIMONEAUX, P.E.							
DATE: JUNE 2025						REV.	DATE	DESCRIPTION	
SHEET 35 OF 36									

