

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT, AT ANY TIME, TREAD ON EXISTING MARSH OR VEGETATED WETLANDS UNLESS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE. THE ENGINEER OR RESIDENT PROJECT REPRESENTATIVE SHALL MONITOR THE CONTRACTOR'S LOCATION DURING CONSTRUCTION.
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 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.
4. THE MARSH CREATION AREAS, BORROW AREAS, EARTHEN CONTAINMENT DIKES, EARTHEN TERRACES, NAVIGATIONAL CROSSINGS, DREDGE PIPELINE CORRIDOR, AND EQUIPMENT ACCESS CORRIDOR MAY BE REVISED BY THE ENGINEER THROUGHOUT THE WORK TO REFLECT CHANGES IN FIELD CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL HYDRAULICALLY DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE MARSH CREATION AREAS.
5. THE PIPELINE INFORMATION SHOWN ON THE PLANS IS A COMPILATION OF PRIOR MAGNETOMETER SURVEYS MEETING ASCE CI 38-02 QUALITY LEVEL B, TOP OF PIPE PROBINGS, AND GIS PIPELINE LOCATION RECORDS MEETING ASCE CI 38-02 QUALITY LEVEL D. THE PIPELINE LOCATIONS SHALL BE CONSIDERED APPROXIMATE AND CANNOT BE CONFIRMED FOR ACCURACY AND COMPLETENESS, THEREBY REQUIRING THE CONTRACTOR TO PROVIDE AN INDEPENDENT MAGNETOMETER SURVEY PRIOR TO MOBILIZATION OF EQUIPMENT TO THE PROJECT SITE, WHICH CONFIRMS LOCATIONS OF VERIFIED AND/OR UNVERIFIED PIPELINES IN THE PROJECT WORK AREAS AS PER THE SPECIFICATIONS. A VERIFIED PIPELINE SHALL MEAN A PIPELINE WHOSE LOCATION IS DISCOVERED OR CONFIRMED VIA MAGNETOMETER SURVEYS AND/OR DIRECT PROBING. AN UNVERIFIED PIPELINE SHALL MEAN PIPELINES WHOSE LOCATIONS WERE NOT DISCOVERED/VERIFIED VIA MAGNETOMETER SURVEYS, BUT THERE IS EXISTING DOCUMENTATION FROM OIL/GAS DATABASES TO SUPPORT THE PRESENCE OF A POTENTIAL PIPELINE.
6. THE OIL/GAS WELL INFORMATION SHOWN ON THE PLANS IS A COMPILATION OF PRIOR MAGNETOMETER SURVEYS AND GIS OIL/GAS WELL LOCATION RECORDS. THE OIL/GAS WELL LOCATIONS SHALL BE CONSIDERED APPROXIMATE AND CANNOT BE CONFIRMED FOR ACCURACY AND COMPLETENESS, THEREBY REQUIRING THE CONTRACTOR TO PROVIDE AN INDEPENDENT MAGNETOMETER SURVEY PRIOR TO MOBILIZATION OF EQUIPMENT TO THE PROJECT SITE AS PER THE SPECIFICATIONS. A VERIFIED WELLHEAD SHALL MEAN A WELLHEAD WHOSE LOCATION WAS DISCOVERED/VERIFIED BY A MAGNETOMETER SURVEY, DIRECT PROBING, OR THAT THERE IS EXISTING DOCUMENTATION FROM OIL/GAS DATABASES TO SUPPORT THE PRESENCE OF A WELL HEAD. (AN UNVERIFIED WELLHEAD SHALL MEAN A WELLHEAD WHOSE LOCATION WAS NOT DISCOVERED/VERIFIED BY A MAGNETOMETER SURVEY, AND THAT THERE IS MINIMAL EXISTING DOCUMENTATION TO SUPPORT THE PRESENCE OF A WELL HEAD.)
7. 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.
8. EQUIPMENT ACCESS TO THE PROJECT SITE SHALL BE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT IMPACT EXISTING WATER BOTTOMS OR WETLANDS UNLESS OTHERWISE NOTED.
9. THE EARTHEN CONTAINMENT DIKES, EARTHEN TERRACES, MARSH CREATION AREA, AND MARSH CREATION BORROW AREA WERE ESTIMATED FOR CONSTRUCTION USING AERIAL PHOTOGRAPHY, FIELD SURVEYS, AND AUTOCAD AND MAY BE REVISED BY THE ENGINEER AT THE TIME OF CONSTRUCTION TO REFLECT CHANGES IN FIELD CONDITIONS.
10. 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 "CONSTRUCTION SURVEYS" OF THE SPECIFICATIONS
11. BACKGROUND IMAGERY WAS TAKEN IN YEAR 2018.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL ADHERE TO THE MOST CURRENT PUBLICATIONS OF "RECOMMENDED BEST PRACTICES GUIDE FOR SAFE DREDGING NEAR UNDERWATER GAS & HAZARDOUS LIQUID PIPELINES", WWW.CDMCS.ORG, AND " WORKING SAFELY NEAR UNDERWATER PIPELINES", WWW.CAMOGROUP.ORG .
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING PIPELINE AND UTILITY OPERATORS FOURTEEN (14) DAYS PRIOR TO WORK. PIPELINES LOCATED WITHIN 150' OF THE WORK SHALL BE MARKED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.
3. THE CONTRACTOR SHALL NOTIFY THE LANDOWNERS LISTED IN THE SPECIFICATIONS AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK AND ADHERE TO CPRA LAND RIGHTS PROTOCOL.
4. REQUESTS FOR MODIFICATIONS TO THE ACCESS CORRIDORS SHALL BE INCLUDED AS PART OF THE WORK PLAN SUBMITTAL AND ARE SUBJECT TO APPROVAL BY THE ENGINEER.

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 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>	<u>GEOID</u>
BS32-SM-01	2.59'	460,856.72	3,772,450.51	12B

2. THE BORROW AREAS, MARSH CREATION AREAS, EARTHEN CONTAINMENT DIKE, EARTHEN TERRACE, AND DREDGE PIPELINE CORRIDOR SURVEY DATA ARE BASED ON SURVEYS PERFORMED BY C.H. FENSTERMAKER, LLC. IN FEBRUARY 2021 TO AUGUST 2021 FOR THE CPRA. BACKGROUND IMAGERY WAS TAKEN IN 2018. THE CONTRACTOR SHOULD BE FAMILIAR WITH THE SURVEY REPORT, MAGNETOMETER DATA, AND PROBING DATA PROVIDED IN THE SPECIFICATION APPENDICES.
3. A GEOTECHNICAL SUBSURFACE INVESTIGATION WAS PERFORMED BY EUSTIS ENGINEERING, LLC IN SEPTEMBER TO OCTOBER 2021 FOR THE RESTORATION AREAS AND THE LAKE AMEDEE BORROW AREA. THE CONTRACTOR SHOULD BE FAMILIAR WITH THE GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT PROVIDED IN THE SPECIFICATION APPENDICES.
4. DATA FROM CRMS STATION 0146 WAS USED TO CALCULATE THE MHW AND MLW. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET, GEOID 12B. MHW = +0.99' AND MLW = +0.41' WITHIN PROJECT AREA.

SUMMARY OF ESTIMATED QUANTITIES

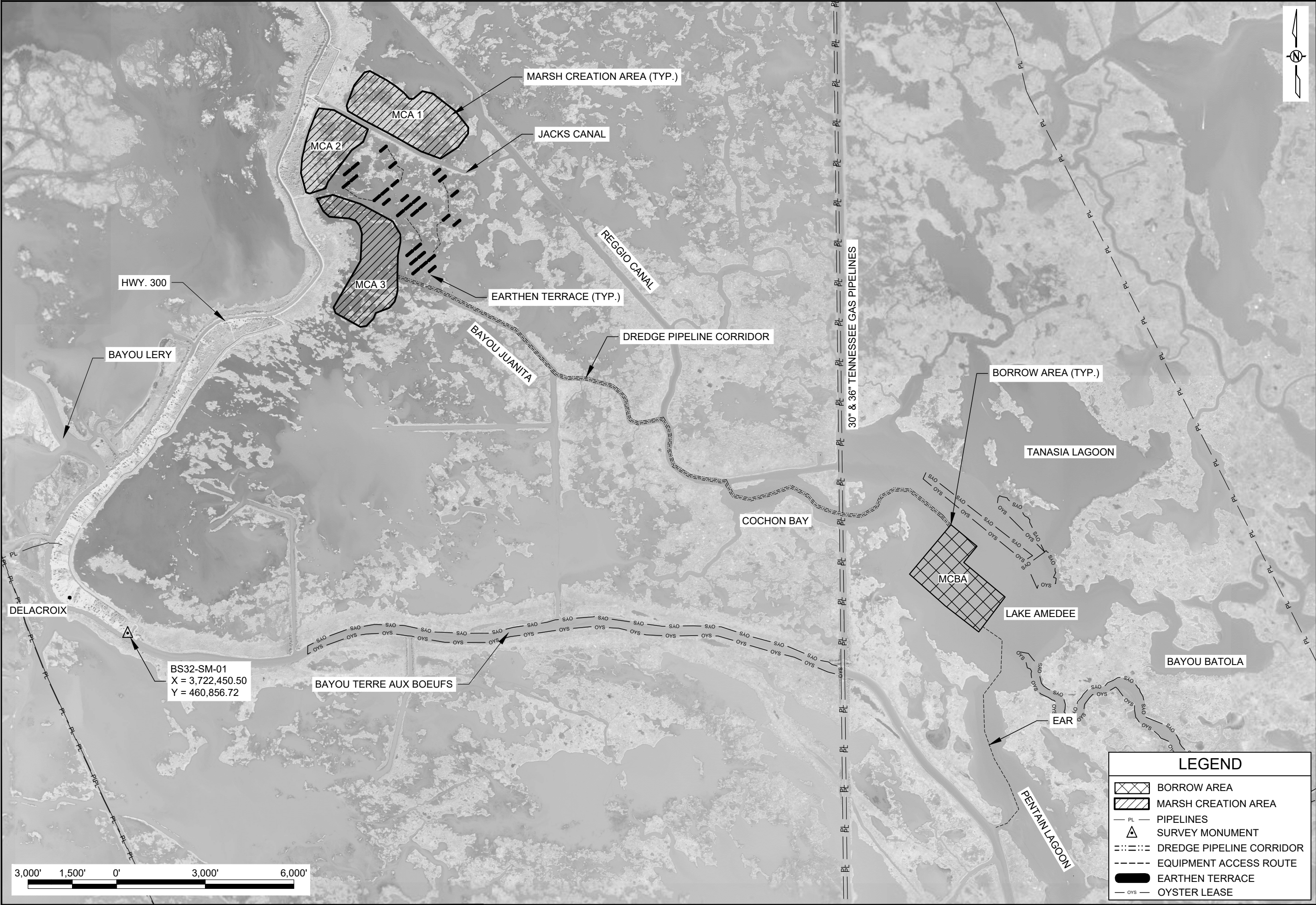
ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY¹
1	MOBILIZATION/DEMOBILIZATION (TS-100)	LS	1
2	CONSTRUCTION SURVEYS (TS-200)	LS	1
3	GRADE STAKES (TS-200)	EA	48
4	SETTLEMENT PLATES (TS-250)	EA	9
5	EARTHEN CONTAINMENT DIKE (TS-300)	LF	29,100
6	EARTHEN TERRACES (TS-320)	LF	7,250
7	HYDRAULIC DREDGING AND MARSH CREATION - MCA-1 (TS-400)	CY	941,000
8	HYDRAULIC DREDGING AND MARSH CREATION - MCA-2 (TS-400)	CY	356,000
9	HYDRAULIC DREDGING AND MARSH CREATION - MCA-2 (TS-400)	CY	1,013,000

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.

ACRONYMS & ABBREVIATIONS:

BTAB	BAYOU TERRE AUX BOEUFs	GS	GRADE STAKE
CMF	CONSTRUCTED MARSH FILL	ISP	INSTRUMENTED SETTLEMENT
CPT	CONE PENETRATION TEST		PLATE
CY	CUBIC YARD	LF	LINEAR FOOT
DPC	DREDGE PIPELINE CORRIDOR	LS	LUMP SUM
EAC	EQUIPMENT ACCESS CORRIDOR	MA	MAGNETOMETER ANOMALY
EAR	EQUIPMENT ACCESS ROUTE	MCA	MARSH CREATION AREA
ECD	EARTHEN CONTAINMENT DIKE	MCBA	MARSH CREATION BORROW AREA
ECDBA	EARTHEN CONTAINMENT DIKE	MHW	MEAN HIGH WATER
	BORROW AREA	MLW	MEAN LOW WATER
EG	EXISTING GROUND	NTS	NOT TO SCALE
EL	ELEVATION	PL	VERIFIED PIPELINE
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

[illegible]



LEGEND

BORROW AREA

MARSH CREATION AREA

PIPELINES

SURVEY MONUMENT

DREDGE PIPELINE CORRIDOR

EQUIPMENT ACCESS ROUTE

EARTHEN TERRACE

OYSTER LEASE

NORTH DELACROIX MARSH CREATION & TERRACING		PROJECT LAYOUT	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802							
STATE PROJECT NUMBER: BS-0041							DESIGNED BY: ALEX HOLSTON, E.I.			
DRAWN BY: JOHN BLADES							APPROVED BY: THOMAS MCCLAIN, P.E. - 44567			
DATE: AUGUST 2024										
SHEET 3 OF 31							REV.	DATE	DESCRIPTION	BY

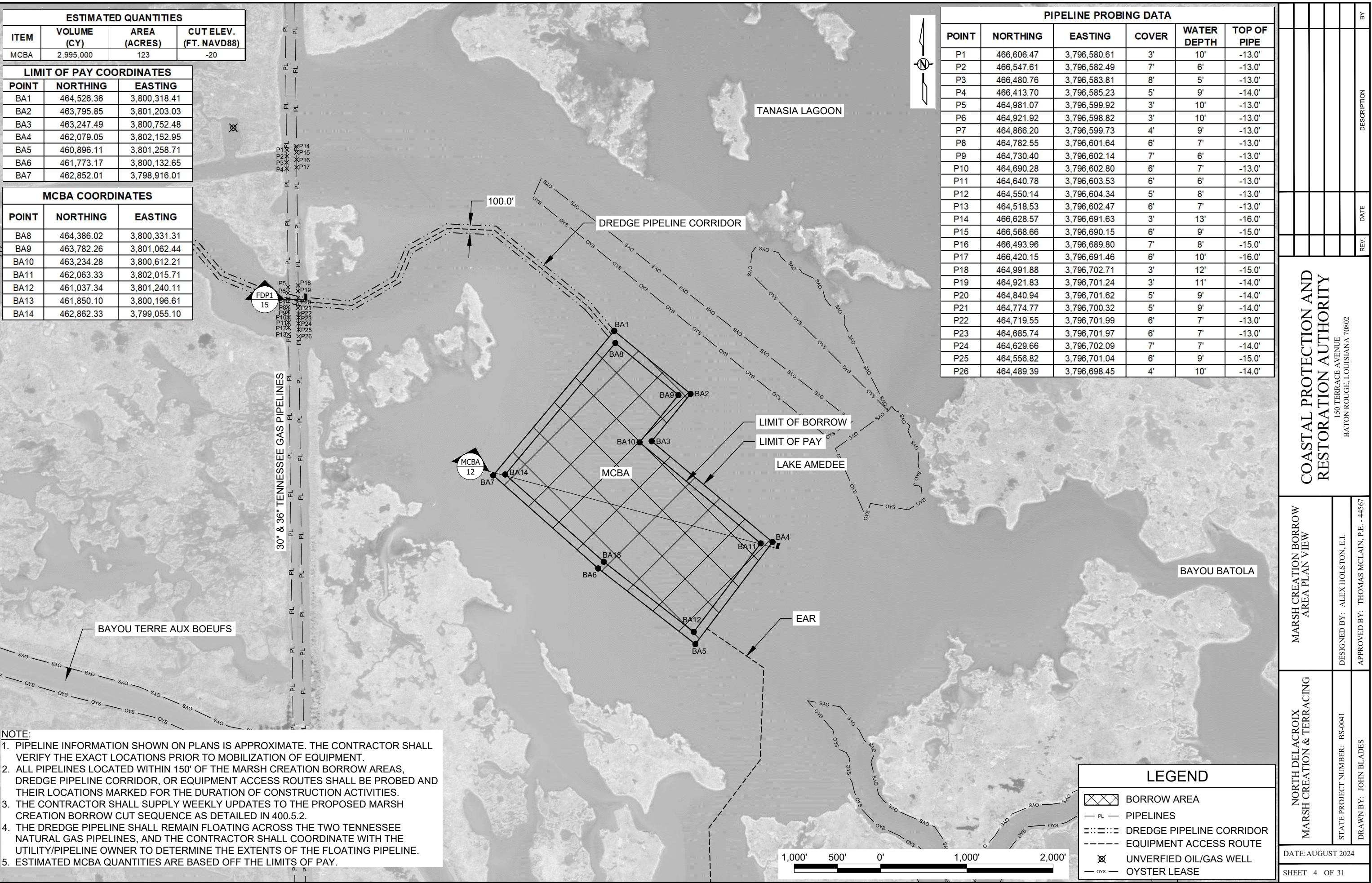
ESTIMATED QUANTITIES			
ITEM	VOLUME (CY)	AREA (ACRES)	CUT ELEV. (FT. NAVD88)
MCBA	2,995,000	123	-20

LIMIT OF PAY COORDINATES		
POINT	NORTHING	EASTING
BA1	464,526.36	3,800,318.41
BA2	463,795.85	3,801,203.03
BA3	463,247.49	3,800,752.48
BA4	462,079.05	3,802,152.95
BA5	460,896.11	3,801,258.71
BA6	461,773.17	3,800,132.65
BA7	462,852.01	3,798,916.01

MCBA COORDINATES		
POINT	NORTHING	EASTING
BA8	464,386.02	3,800,331.31
BA9	463,782.26	3,801,062.44
BA10	463,234.28	3,800,612.21
BA11	462,063.33	3,802,015.71
BA12	461,037.34	3,801,240.11
BA13	461,850.10	3,800,196.61
BA14	462,862.33	3,799,055.10

PIPELINE PROBING DATA					
POINT	NORTHING	EASTING	COVER	WATER DEPTH	TOP OF PIPE
P1	466,606.47	3,796,580.61	3'	10'	-13.0'
P2	466,547.61	3,796,582.49	7'	6'	-13.0'
P3	466,480.76	3,796,583.81	8'	5'	-13.0'
P4	466,413.70	3,796,585.23	5'	9'	-14.0'
P5	464,981.07	3,796,599.92	3'	10'	-13.0'
P6	464,921.92	3,796,598.82	3'	10'	-13.0'
P7	464,866.20	3,796,599.73	4'	9'	-13.0'
P8	464,782.55	3,796,601.64	6'	7'	-13.0'
P9	464,730.40	3,796,602.14	7'	6'	-13.0'
P10	464,690.28	3,796,602.80	6'	7'	-13.0'
P11	464,640.78	3,796,603.53	6'	6'	-13.0'
P12	464,550.14	3,796,604.34	5'	8'	-13.0'
P13	464,518.53	3,796,602.47	6'	7'	-13.0'
P14	466,628.57	3,796,691.63	3'	13'	-16.0'
P15	466,568.66	3,796,690.15	6'	9'	-15.0'
P16	466,493.96	3,796,689.80	7'	8'	-15.0'
P17	466,420.15	3,796,691.46	6'	10'	-16.0'
P18	464,991.88	3,796,702.71	3'	12'	-15.0'
P19	464,921.83	3,796,701.24	3'	11'	-14.0'
P20	464,840.94	3,796,701.62	5'	9'	-14.0'
P21	464,774.77	3,796,700.32	5'	9'	-14.0'
P22	464,719.55	3,796,701.99	6'	7'	-13.0'
P23	464,685.74	3,796,701.97	6'	7'	-13.0'
P24	464,629.66	3,796,702.09	7'	7'	-14.0'
P25	464,556.82	3,796,701.04	6'	9'	-15.0'
P26	464,489.39	3,796,698.45	4'	10'	-14.0'

- NOTE:
- PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS PRIOR TO MOBILIZATION OF EQUIPMENT.
 - ALL PIPELINES LOCATED WITHIN 150' OF THE MARSH CREATION BORROW AREAS, DREDGE PIPELINE CORRIDOR, OR EQUIPMENT ACCESS ROUTES SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
 - THE CONTRACTOR SHALL SUPPLY WEEKLY UPDATES TO THE PROPOSED MARSH CREATION BORROW CUT SEQUENCE AS DETAILED IN 400.5.2.
 - THE DREDGE PIPELINE SHALL REMAIN FLOATING ACROSS THE TWO TENNESSEE NATURAL GAS PIPELINES, AND THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY/PIPELINE OWNER TO DETERMINE THE EXTENTS OF THE FLOATING PIPELINE.
 - ESTIMATED MCBA QUANTITIES ARE BASED OFF THE LIMITS OF PAY.



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

NORTH DELACROIX MARSH CREATION & TERRACING	MARSH CREATION BORROW AREA PLAN VIEW	DESIGNED BY: ALEX HOLSTON, E.I.	APPROVED BY: THOMAS MCLAIN, P.E. - 44567
	STATE PROJECT NUMBER: BS-0041	DRAWN BY: JOHN BLADES	

DATE: AUGUST 2024

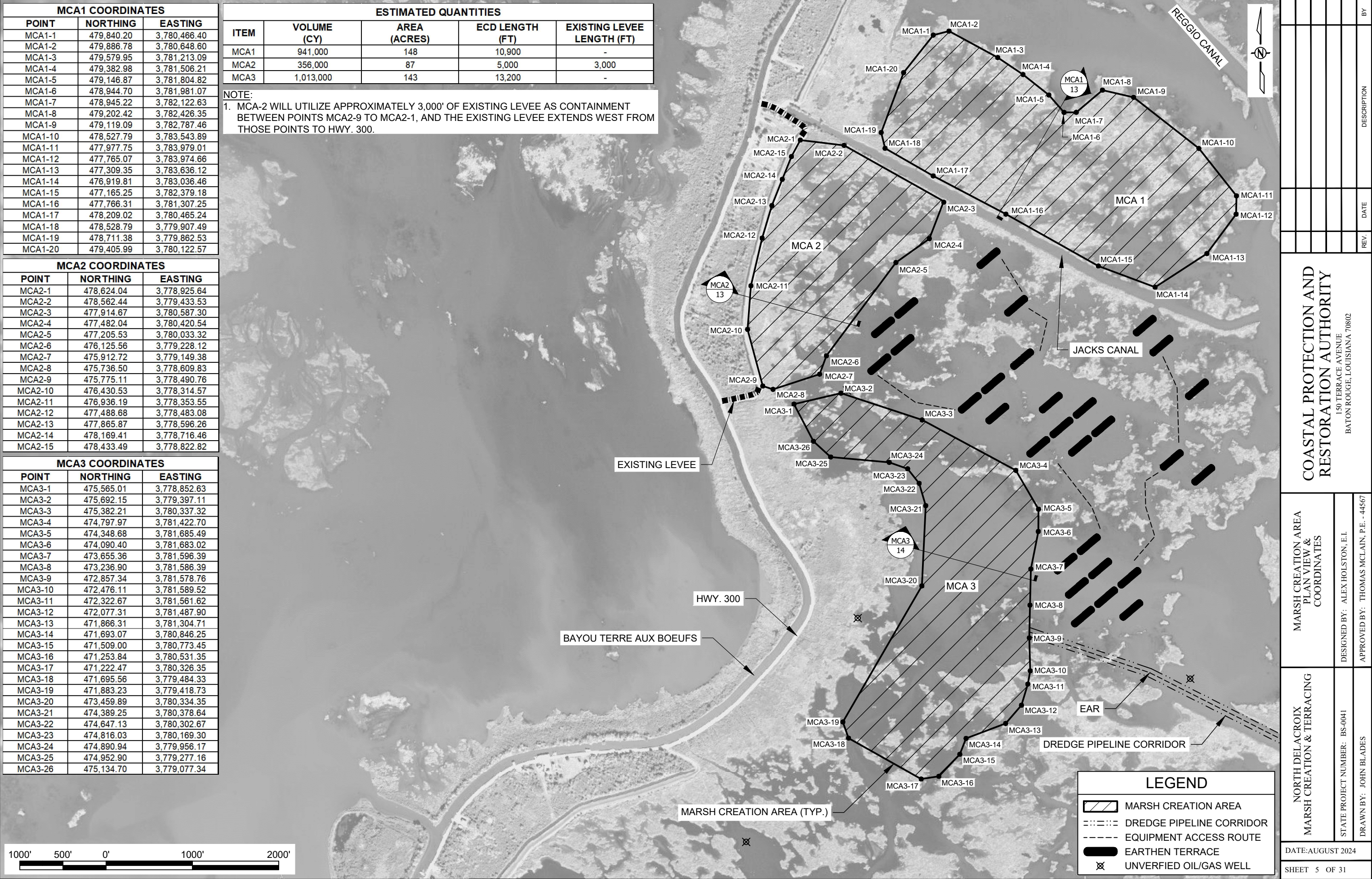
MCA1 COORDINATES		
POINT	NORTHING	EASTING
MCA1-1	479,840.20	3,780,466.40
MCA1-2	479,886.78	3,780,648.60
MCA1-3	479,579.95	3,781,213.09
MCA1-4	479,382.98	3,781,506.21
MCA1-5	479,146.87	3,781,804.82
MCA1-6	478,944.70	3,781,981.07
MCA1-7	478,945.22	3,782,122.63
MCA1-8	479,202.42	3,782,426.35
MCA1-9	479,119.09	3,782,787.46
MCA1-10	478,527.79	3,783,543.89
MCA1-11	477,977.75	3,783,979.01
MCA1-12	477,765.07	3,783,974.66
MCA1-13	477,309.35	3,783,636.12
MCA1-14	476,919.81	3,783,036.46
MCA1-15	477,165.25	3,782,379.18
MCA1-16	477,766.31	3,781,307.25
MCA1-17	478,209.02	3,780,465.24
MCA1-18	478,528.79	3,779,907.49
MCA1-19	478,711.38	3,779,862.53
MCA1-20	479,405.99	3,780,122.57

MCA2 COORDINATES		
POINT	NORTHING	EASTING
MCA2-1	478,624.04	3,778,925.64
MCA2-2	478,562.44	3,779,433.53
MCA2-3	477,914.67	3,780,587.30
MCA2-4	477,482.04	3,780,420.54
MCA2-5	477,205.53	3,780,033.32
MCA2-6	476,125.56	3,779,228.12
MCA2-7	475,912.72	3,779,149.38
MCA2-8	475,736.50	3,778,609.83
MCA2-9	475,775.11	3,778,490.76
MCA2-10	476,430.53	3,778,314.57
MCA2-11	476,936.19	3,778,353.55
MCA2-12	477,488.68	3,778,483.08
MCA2-13	477,865.87	3,778,596.26
MCA2-14	478,169.41	3,778,716.46
MCA2-15	478,433.49	3,778,822.82

MCA3 COORDINATES		
POINT	NORTHING	EASTING
MCA3-1	475,565.01	3,778,852.63
MCA3-2	475,692.15	3,779,397.11
MCA3-3	475,382.21	3,780,337.32
MCA3-4	474,797.97	3,781,422.70
MCA3-5	474,348.68	3,781,685.49
MCA3-6	474,090.40	3,781,683.02
MCA3-7	473,655.36	3,781,596.39
MCA3-8	473,236.90	3,781,586.39
MCA3-9	472,857.34	3,781,578.76
MCA3-10	472,476.11	3,781,589.52
MCA3-11	472,322.67	3,781,561.62
MCA3-12	472,077.31	3,781,487.90
MCA3-13	471,866.31	3,781,304.71
MCA3-14	471,693.07	3,780,846.25
MCA3-15	471,509.00	3,780,773.45
MCA3-16	471,253.84	3,780,531.35
MCA3-17	471,222.47	3,780,326.35
MCA3-18	471,695.56	3,779,484.33
MCA3-19	471,883.23	3,779,418.73
MCA3-20	473,459.89	3,780,334.35
MCA3-21	474,389.25	3,780,378.64
MCA3-22	474,647.13	3,780,302.67
MCA3-23	474,816.03	3,780,169.30
MCA3-24	474,890.94	3,779,956.17
MCA3-25	474,952.90	3,779,277.16
MCA3-26	475,134.70	3,779,077.34

ESTIMATED QUANTITIES				
ITEM	VOLUME (CY)	AREA (ACRES)	ECD LENGTH (FT)	EXISTING LEVEE LENGTH (FT)
MCA1	941,000	148	10,900	-
MCA2	356,000	87	5,000	3,000
MCA3	1,013,000	143	13,200	-

NOTE:
1. MCA-2 WILL UTILIZE APPROXIMATELY 3,000' OF EXISTING LEVEE AS CONTAINMENT BETWEEN POINTS MCA2-9 TO MCA2-1, AND THE EXISTING LEVEE EXTENDS WEST FROM THOSE POINTS TO HWY. 300.



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

MARSH CREATION AREA
PLAN VIEW &
COORDINATES

NORTH DELACROIX
MARSH CREATION & TERRACING

DATE: AUGUST 2024

SHEET 5 OF 31

DESIGNED BY: ALEX HOLSTON, E.I.
APPROVED BY: THOMAS MCLAIN, P.E. - 44567

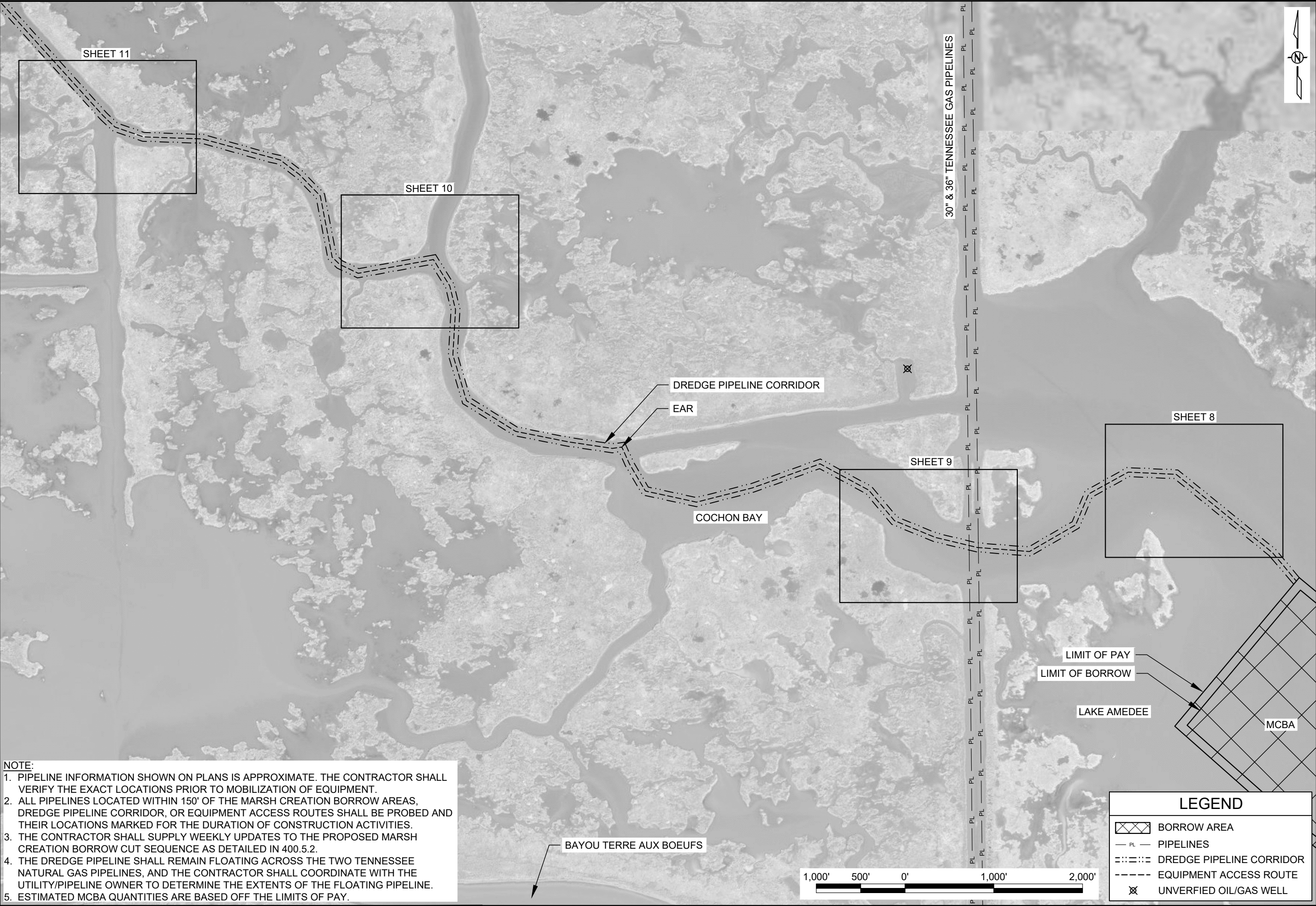
STATE PROJECT NUMBER: BS-0041
DRAWN BY: JOHN BLADES

BY

DESCRIPTION

DATE

REV.



- NOTE:
1. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS PRIOR TO MOBILIZATION OF EQUIPMENT.
 2. ALL PIPELINES LOCATED WITHIN 150' OF THE MARSH CREATION BORROW AREAS, DREDGE PIPELINE CORRIDOR, OR EQUIPMENT ACCESS ROUTES SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
 3. THE CONTRACTOR SHALL SUPPLY WEEKLY UPDATES TO THE PROPOSED MARSH CREATION BORROW CUT SEQUENCE AS DETAILED IN 400.5.2.
 4. THE DREDGE PIPELINE SHALL REMAIN FLOATING ACROSS THE TWO TENNESSEE NATURAL GAS PIPELINES, AND THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY/PIPELINE OWNER TO DETERMINE THE EXTENTS OF THE FLOATING PIPELINE.
 5. ESTIMATED MCBA QUANTITIES ARE BASED OFF THE LIMITS OF PAY.

LEGEND

BORROW AREA

PIPELINES

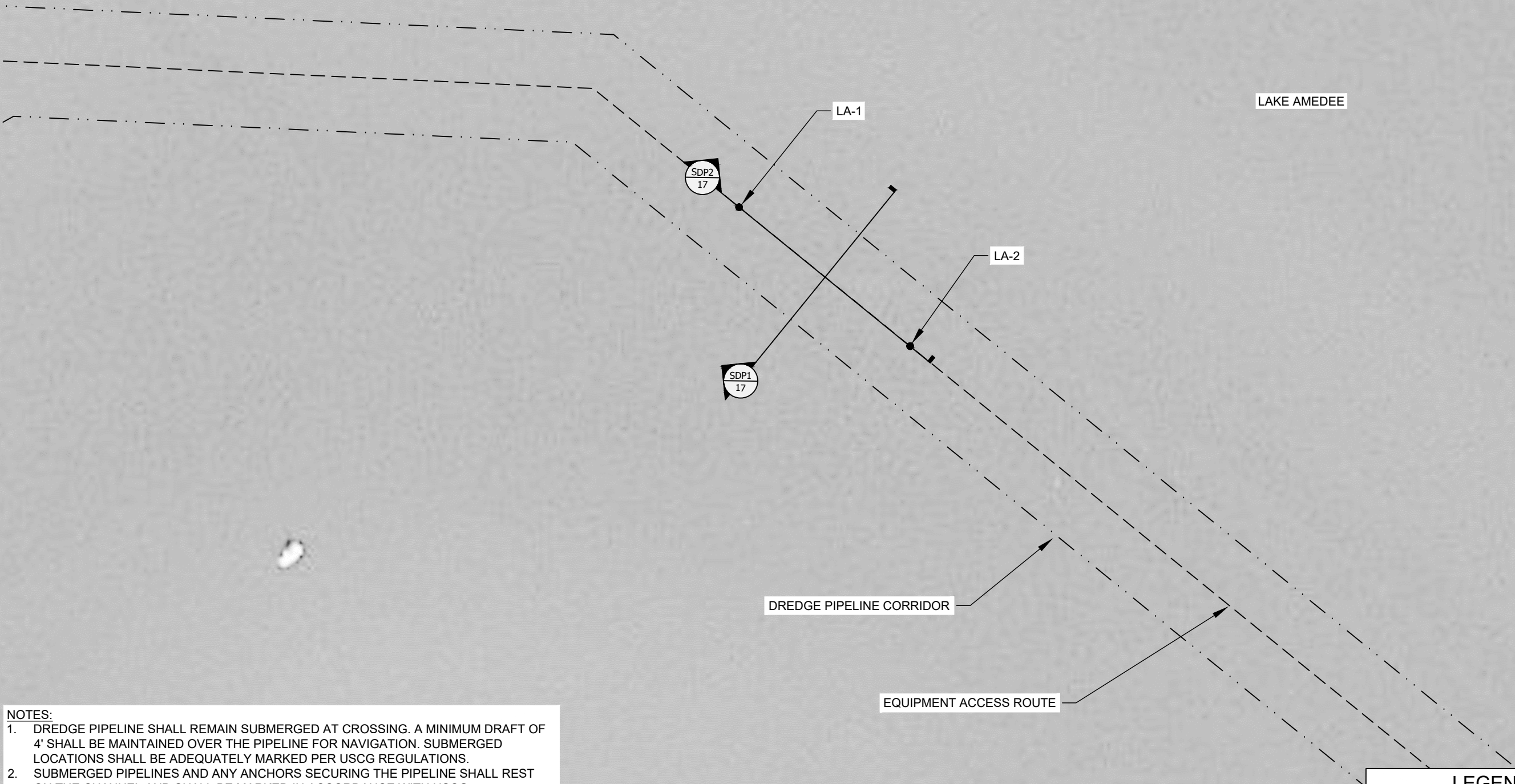
DREDGE PIPELINE CORRIDOR

EQUIPMENT ACCESS ROUTE

UNVERFIED OIL/GAS WELL

COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
SUBMERGED DREDGE PIPELINE CROSSING SHEET INDEX					
NORTH DELACROIX MARSH CREATION & TERRACING	STATE PROJECT NUMBER: BS-0041	DATE: AUGUST 2024			
	DRAWN BY: JOHN BLADES	SHEET 7 OF 31			
	DESIGNED BY: ALEX HOLSTON, E.I.				
APPROVED BY: THOMAS MCLAIN, P.E. - 44567					

SUBMERGED DREDGE PIPELINE CROSSING COORDINATES		
POINT	NORTHING	EASTING
LA-1	465,582.21	3,799,065.02
LA-2	465,455.40	3,799,221.14



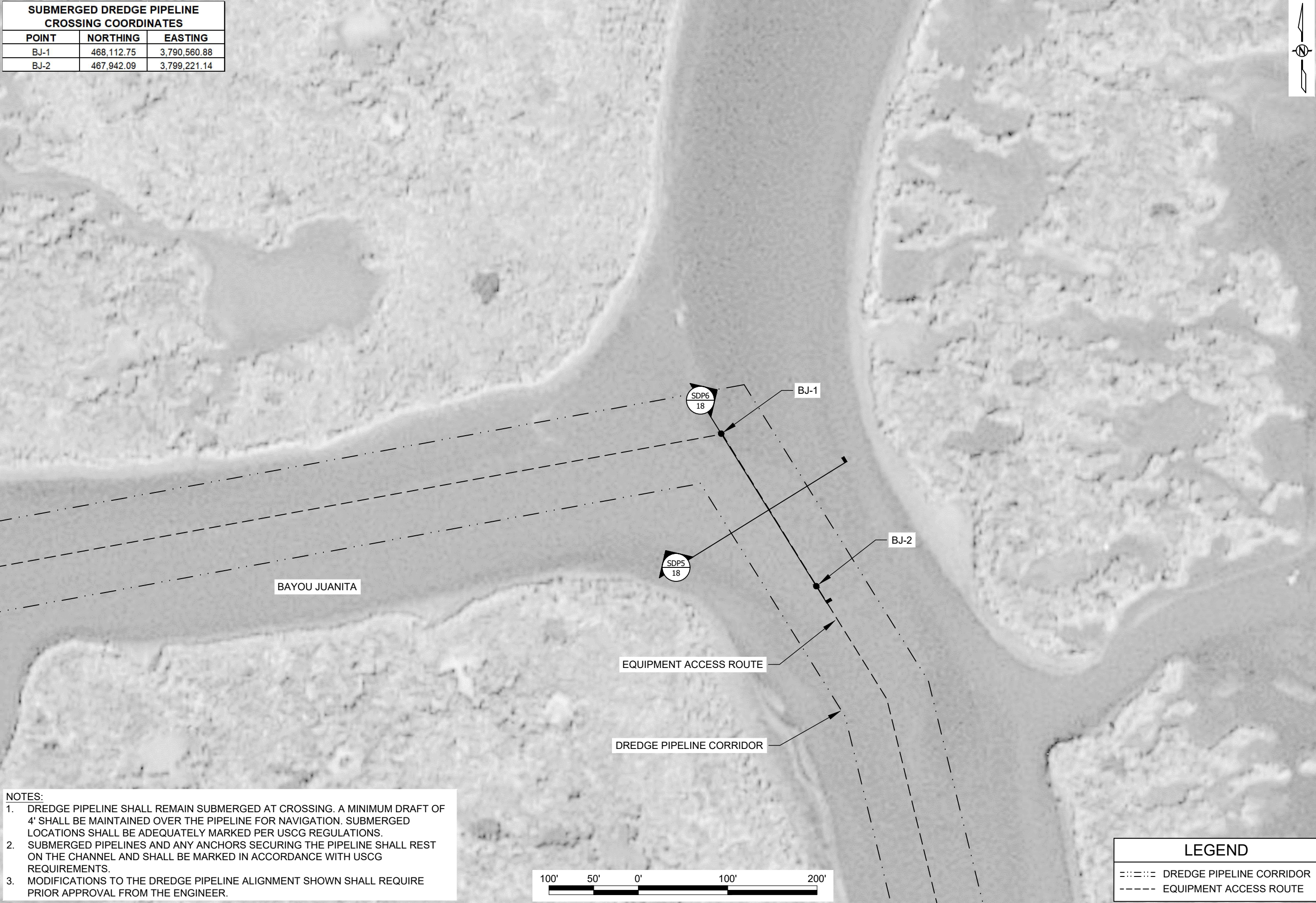
- NOTES:
- DREDGE PIPELINE SHALL REMAIN SUBMERGED AT CROSSING. A MINIMUM DRAFT OF 4' SHALL BE MAINTAINED OVER THE PIPELINE FOR NAVIGATION. SUBMERGED LOCATIONS SHALL BE ADEQUATELY MARKED PER USCG REGULATIONS.
 - SUBMERGED PIPELINES AND ANY ANCHORS SECURING THE PIPELINE SHALL REST ON THE CHANNEL AND SHALL BE MARKED IN ACCORDANCE WITH USCG REQUIREMENTS.
 - MODIFICATIONS TO THE DREDGE PIPELINE ALIGNMENT SHOWN SHALL REQUIRE PRIOR APPROVAL FROM THE ENGINEER.



LEGEND	
---	DREDGE PIPELINE CORRIDOR
-.-.-	EQUIPMENT ACCESS ROUTE

SUBMERGED DREDGE PIPELINE CROSSING 1 PLAN VIEW		NORTH DELACROIX MARSH CREATION & TERRACING		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
DESIGNED BY: ALEX HOLSTON, E.I.		STATE PROJECT NUMBER: BS-0041							
APPROVED BY: THOMAS MCCLAIN, P.E. - 44567		DRAWN BY: JOHN BLADES				REV.	DATE		BY
DATE: AUGUST 2024									
SHEET 8 OF 31									

SUBMERGED DREDGE PIPELINE CROSSING COORDINATES		
POINT	NORTHING	EASTING
BJ-1	468,112.75	3,790,560.88
BJ-2	467,942.09	3,799,221.14



- NOTES:
- DREDGE PIPELINE SHALL REMAIN SUBMERGED AT CROSSING. A MINIMUM DRAFT OF 4' SHALL BE MAINTAINED OVER THE PIPELINE FOR NAVIGATION. SUBMERGED LOCATIONS SHALL BE ADEQUATELY MARKED PER USCG REGULATIONS.
 - SUBMERGED PIPELINES AND ANY ANCHORS SECURING THE PIPELINE SHALL REST ON THE CHANNEL AND SHALL BE MARKED IN ACCORDANCE WITH USCG REQUIREMENTS.
 - MODIFICATIONS TO THE DREDGE PIPELINE ALIGNMENT SHOWN SHALL REQUIRE PRIOR APPROVAL FROM THE ENGINEER.

LEGEND	
----	DREDGE PIPELINE CORRIDOR
----	EQUIPMENT ACCESS ROUTE

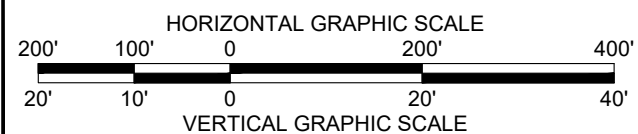
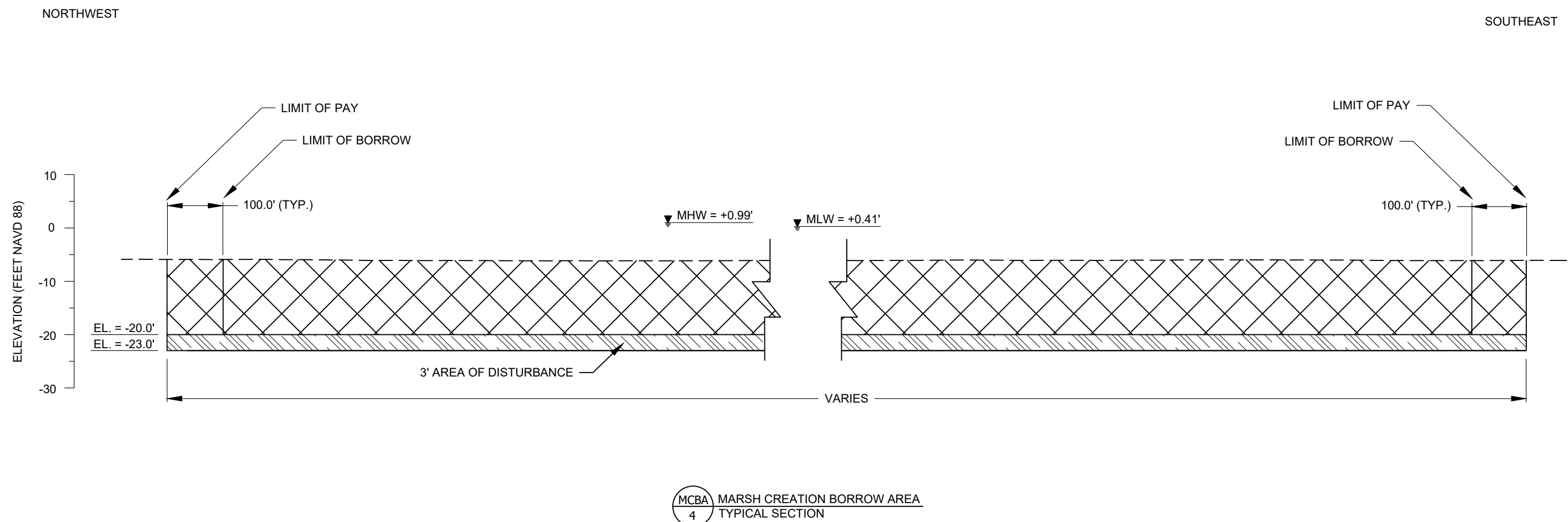
COASTAL PROTECTION AND
RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

SUBMERGED DREDGE PIPELINE CROSSING 3 PLAN VIEW	DESIGNED BY: ALEX HOLSTON, E.I.	
	APPROVED BY: THOMAS MCLAIN, P.E. - 44567	
	NORTH DELACROIX MARSH CREATION & TERRACING	
STATE PROJECT NUMBER: BS-0041		DRAWN BY: JOHN BLADES

DATE: AUGUST 2024

SHEET 10 OF 31

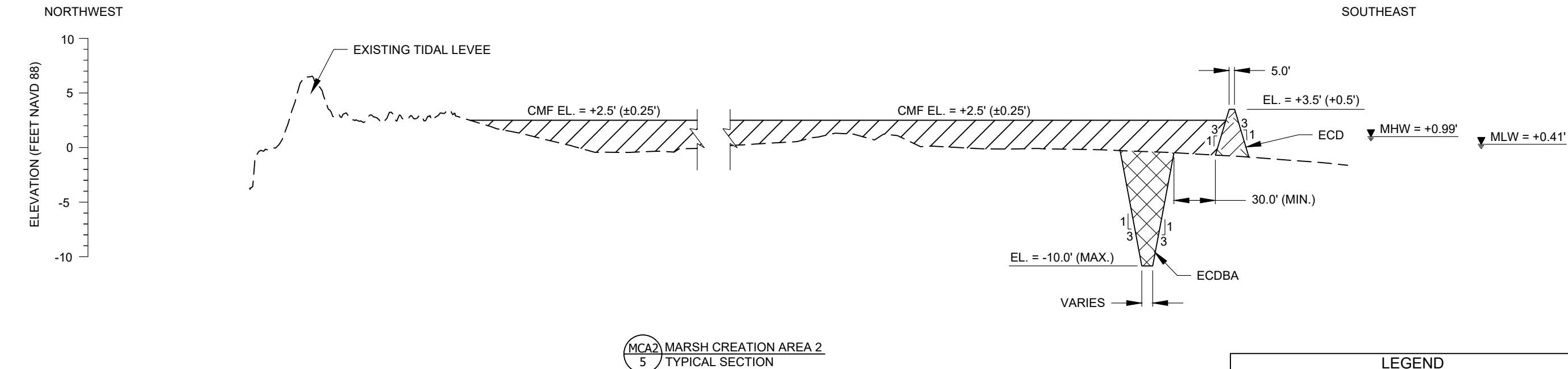
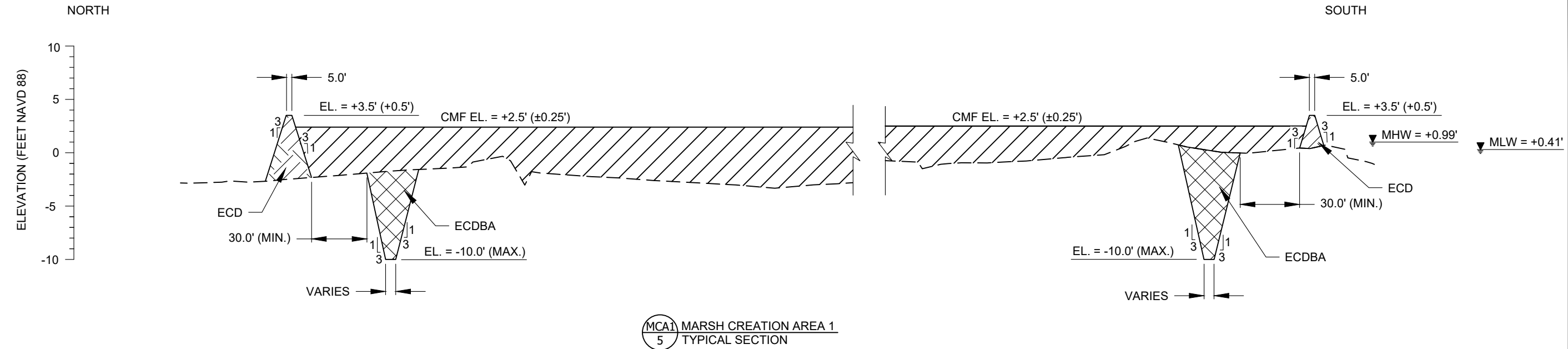
REV.	DATE	DESCRIPTION	BY



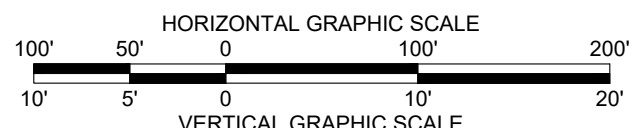
LEGEND

	MARSH CREATION BORROW AREA
	AREA OF DISTURBANCE
— — —	EXISTING WATER BOTTOM \ EXISTING GRADE

NORTH DELACROIX MARSH CREATION & TERRACING		MARSH CREATION BORROW AREA TYPICAL SECTIONS	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE A VENUE BATON ROUGE, LOUISIANA 70802			
STATE PROJECT NUMBER: BS-0041	DESIGNED BY: ALEX HOLSTON, E.I.					
DRAWN BY: JOHN BLADES	APPROVED BY: THOMAS MCCLAIN, P.E. - 44567					
DATE: AUGUST 2024						
SHEET 12 OF 31				REV.	DATE	BY

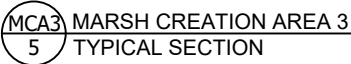


NOTE:
1. THE EARTHEN CONTAINMENT DIKES WILL BE CONSTRUCTED USING IN-SITU MATERIAL.
2. EXCAVATION WITHIN BORROW AREAS SHALL BE LIMITED TO THE LINES AND GRADES SHOWN.

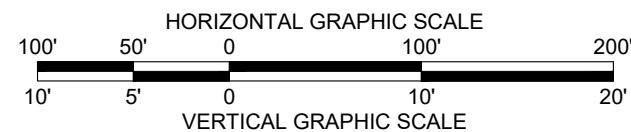


LEGEND	
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EARTHEN CONTAINMENT DIKE
	CONSTRUCTED MARSH FILL
	EXISTING GRADE \ EXISTING WATER BOTTOM

DATE: AUGUST 2024		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
SHEET 13 OF 31							
NORTH DELACROIX MARSH CREATION & TERRACING		MARSH CREATION AREA TYPICAL SECTIONS					
STATE PROJECT NUMBER: BS-0041		DESIGNED BY: ALEX HOLSTON, E.I.					
DRAWN BY: JOHN BLADES		APPROVED BY: THOMAS MCLAIN, P.E. - 44567		REV.			DATE
				DESCRIPTION			BY

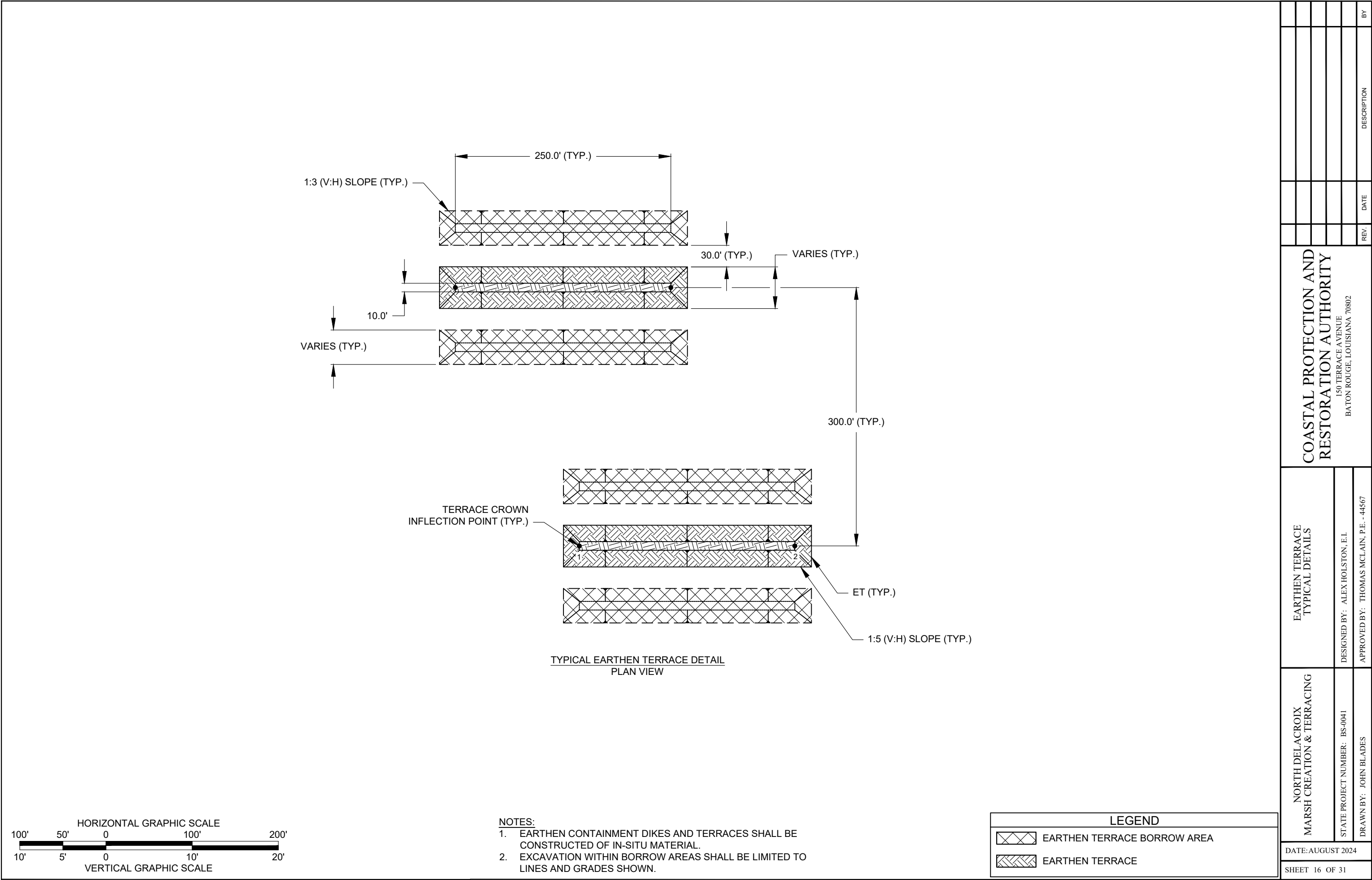


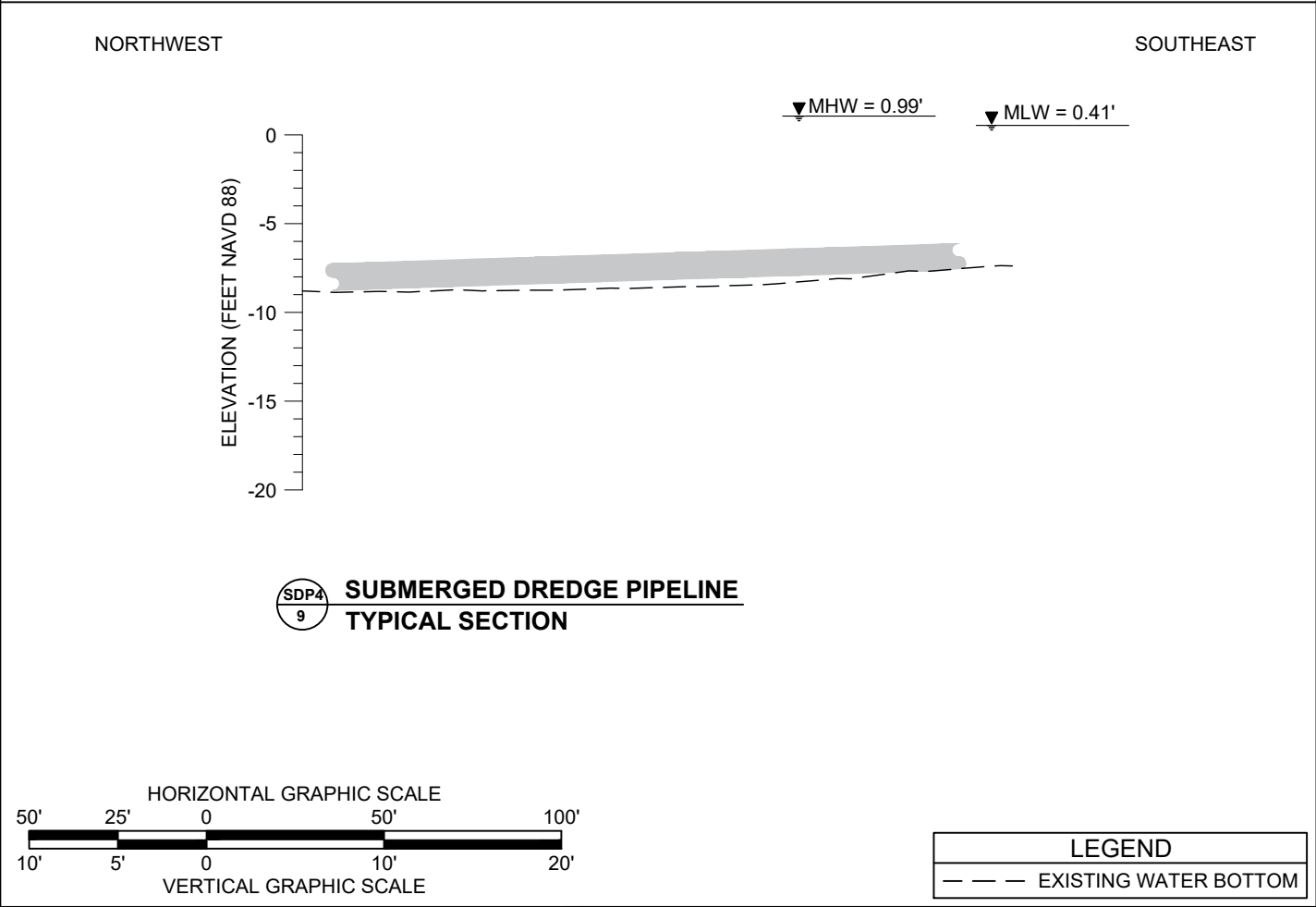
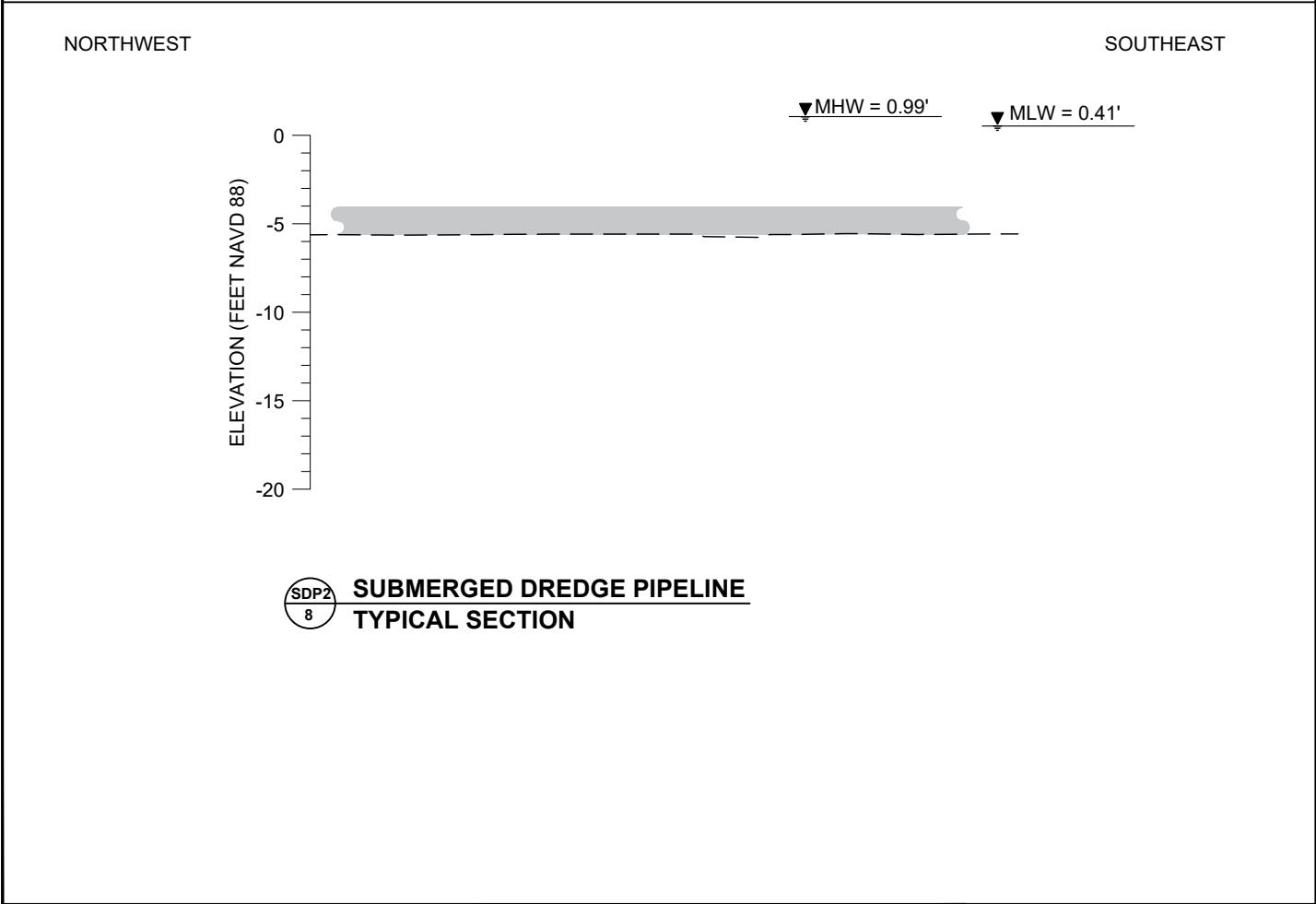
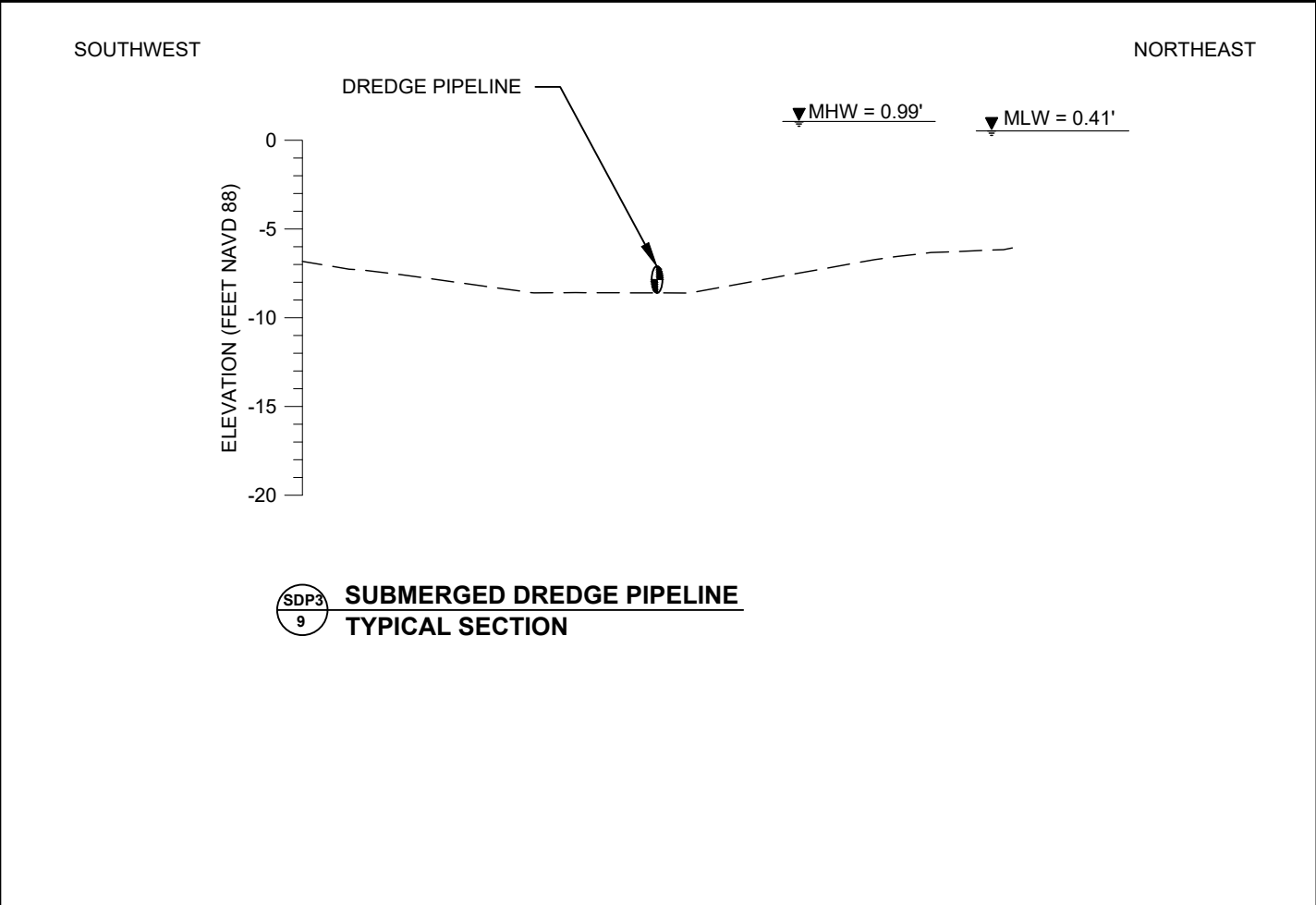
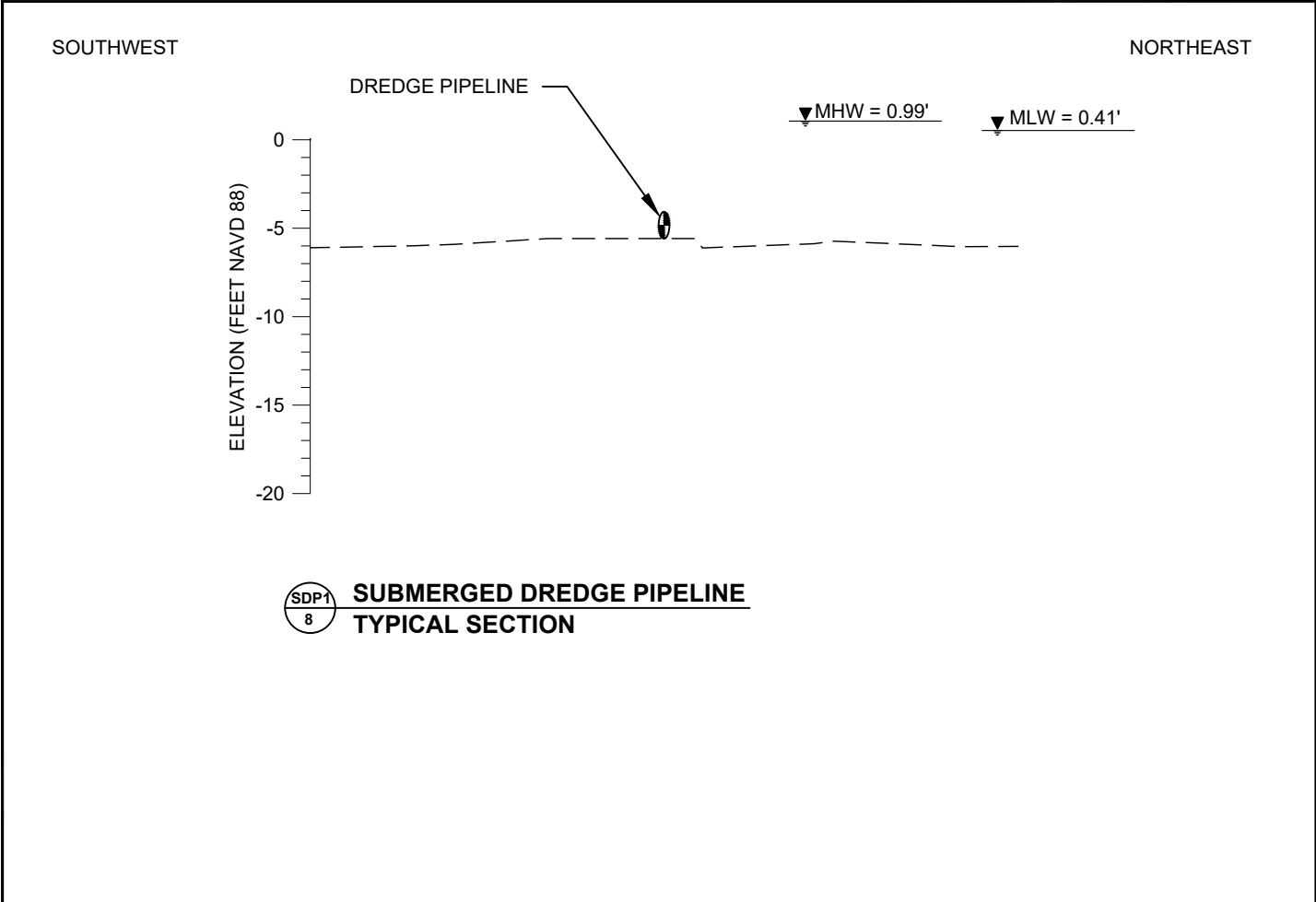
1. THE EARTHEN CONTAINMENT DIKES WILL BE CONSTRUCTED USING IN-SITU MATERIAL.
2. EXCAVATION WITHIN BORROW AREAS SHALL BE LIMITED TO THE LINES AND GRADES SHOWN.



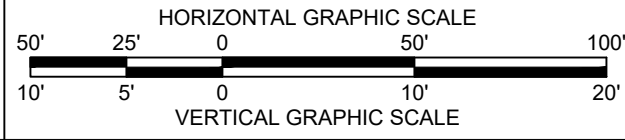
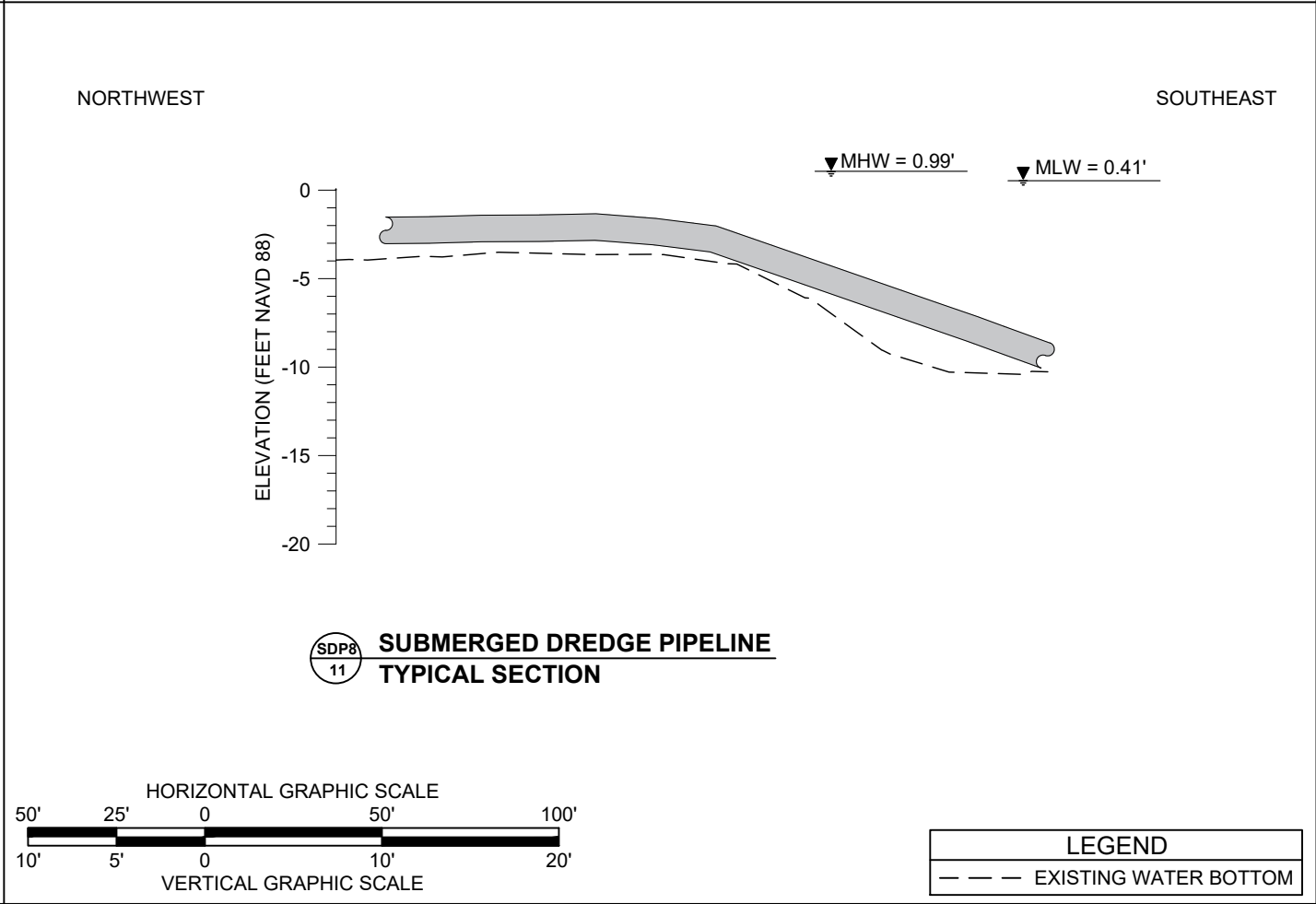
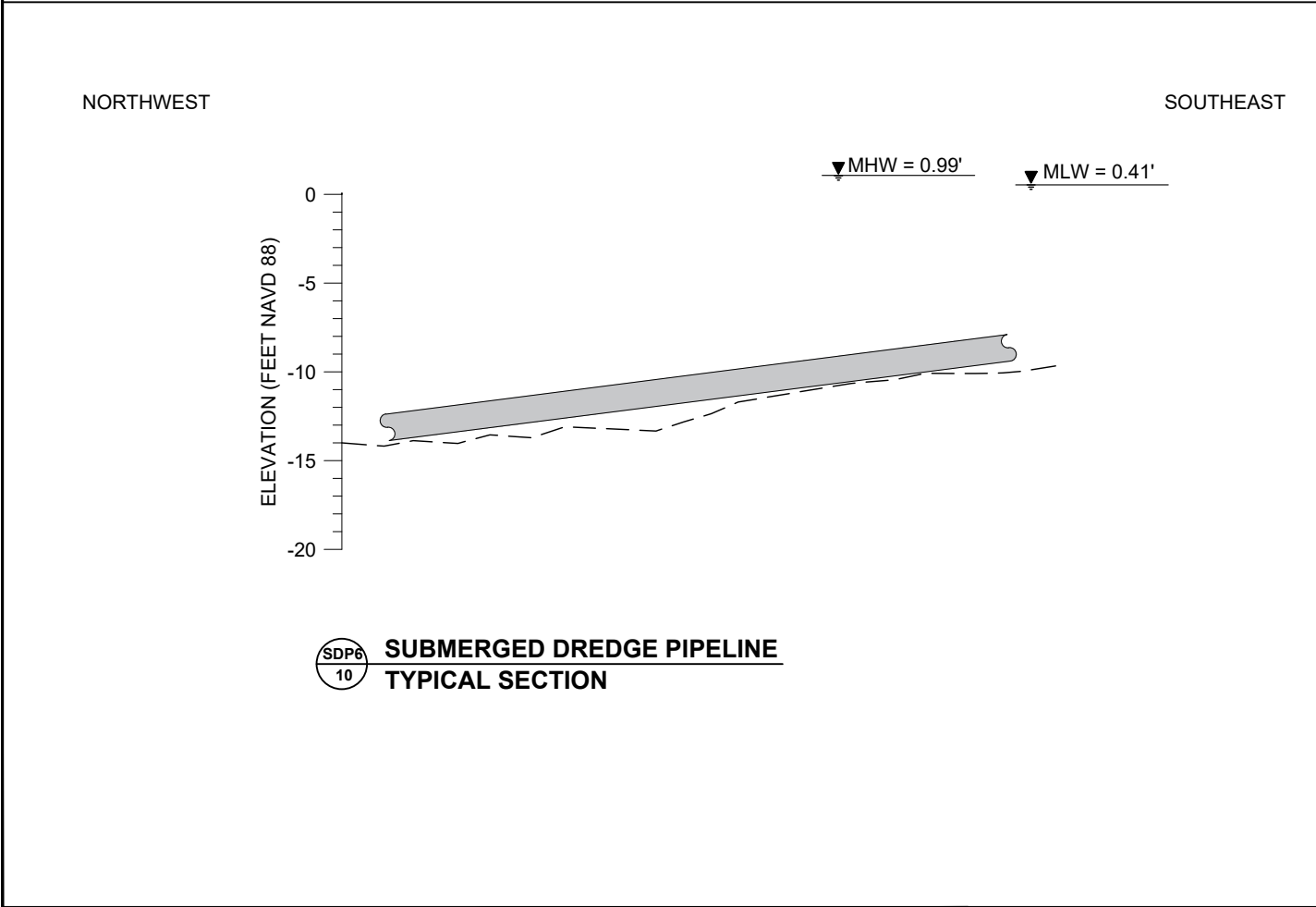
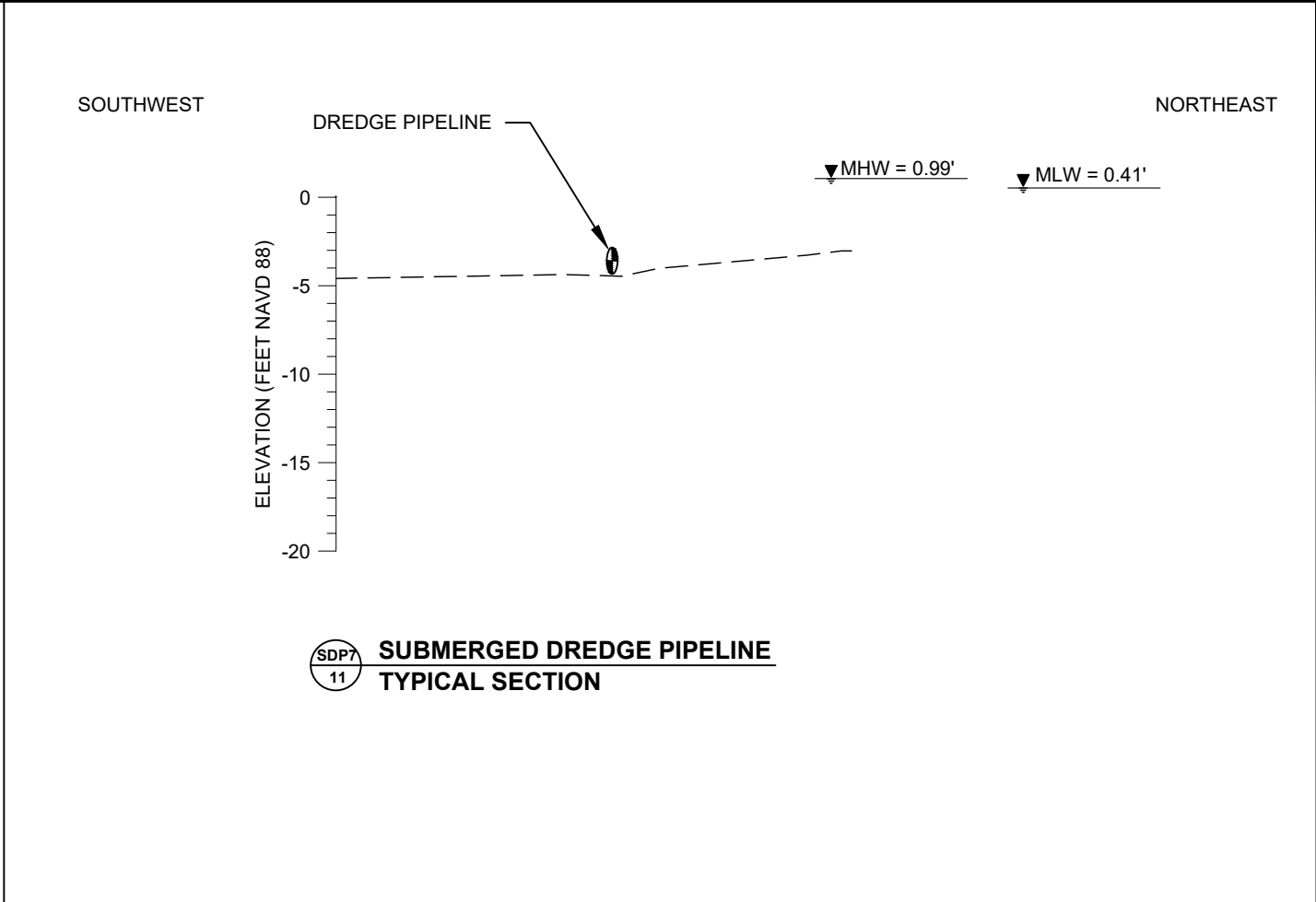
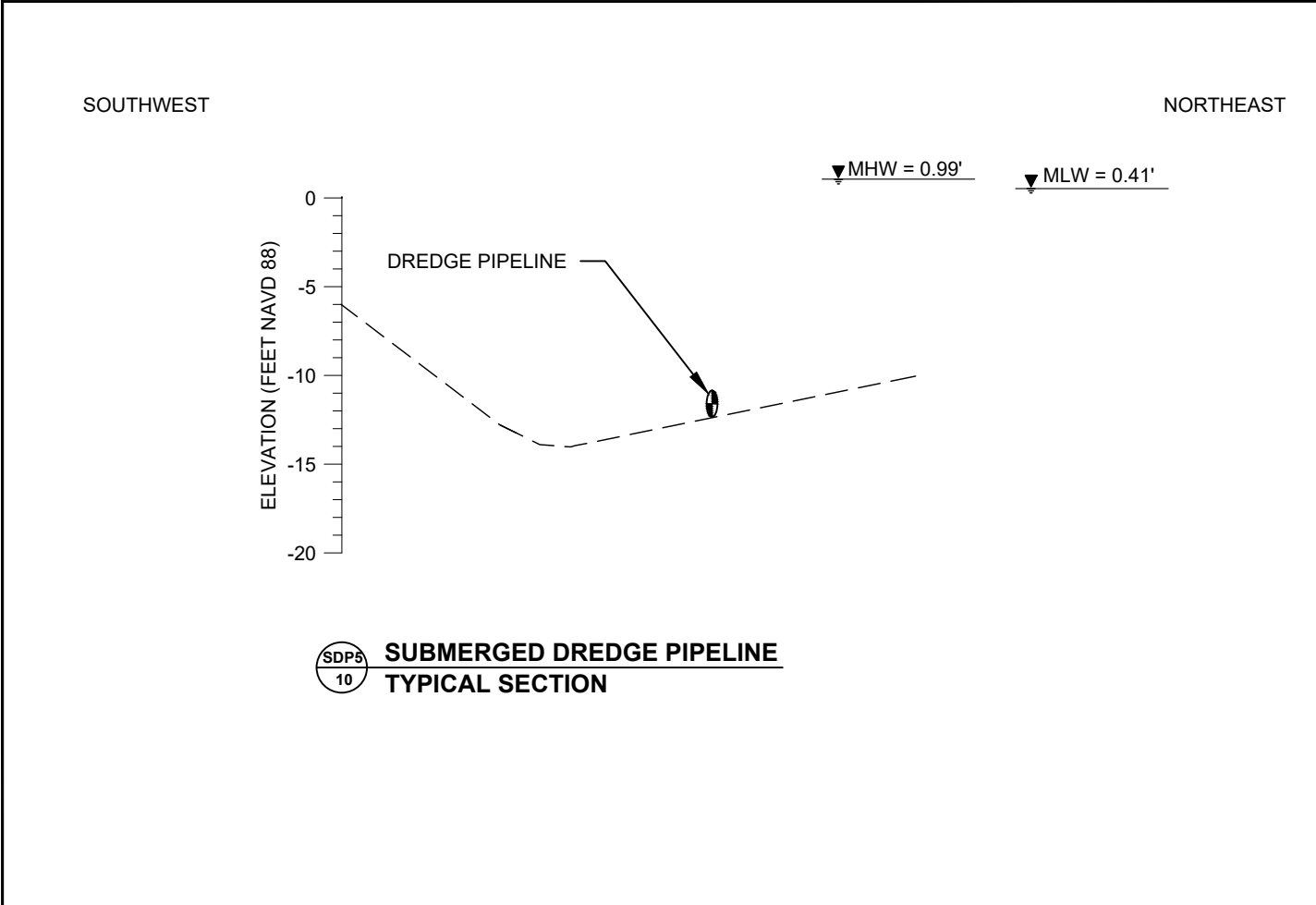
LEGEND	
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EARTHEN CONTAINMENT DIKE
	CONSTRUCTED MARSH FILL
----	EXISTING GRADE \ EXISTING WATER BOTTOM

NORTH DELACROIX MARSH CREATION & TERRACING	MARSH CREATION AREA TYPICAL SECTIONS	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802						
		STATE PROJECT NUMBER: BS-0041						
		DRAWN BY: JOHN BLADES						
		DESIGNED BY: ALEX HOLSTON, E.I.						
		APPROVED BY: THOMAS MCCLAIN, P.E. - 44567						
DATE:AUGUST 2024								
SHEET 14 OF 31								



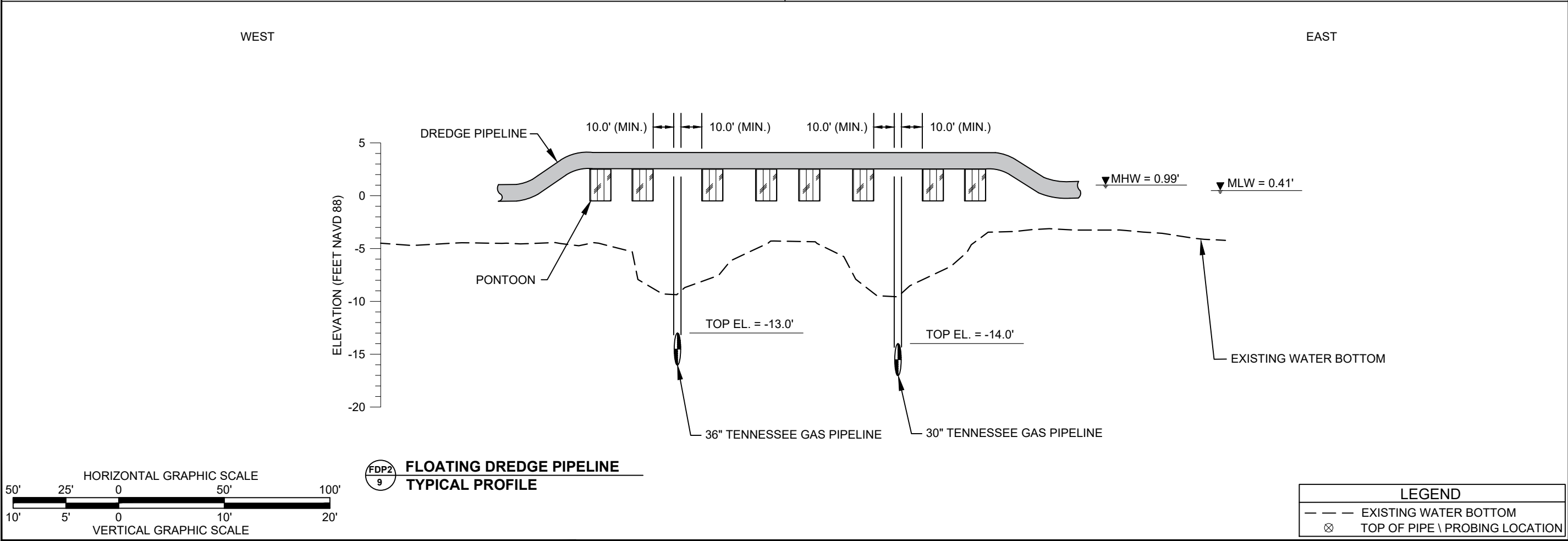
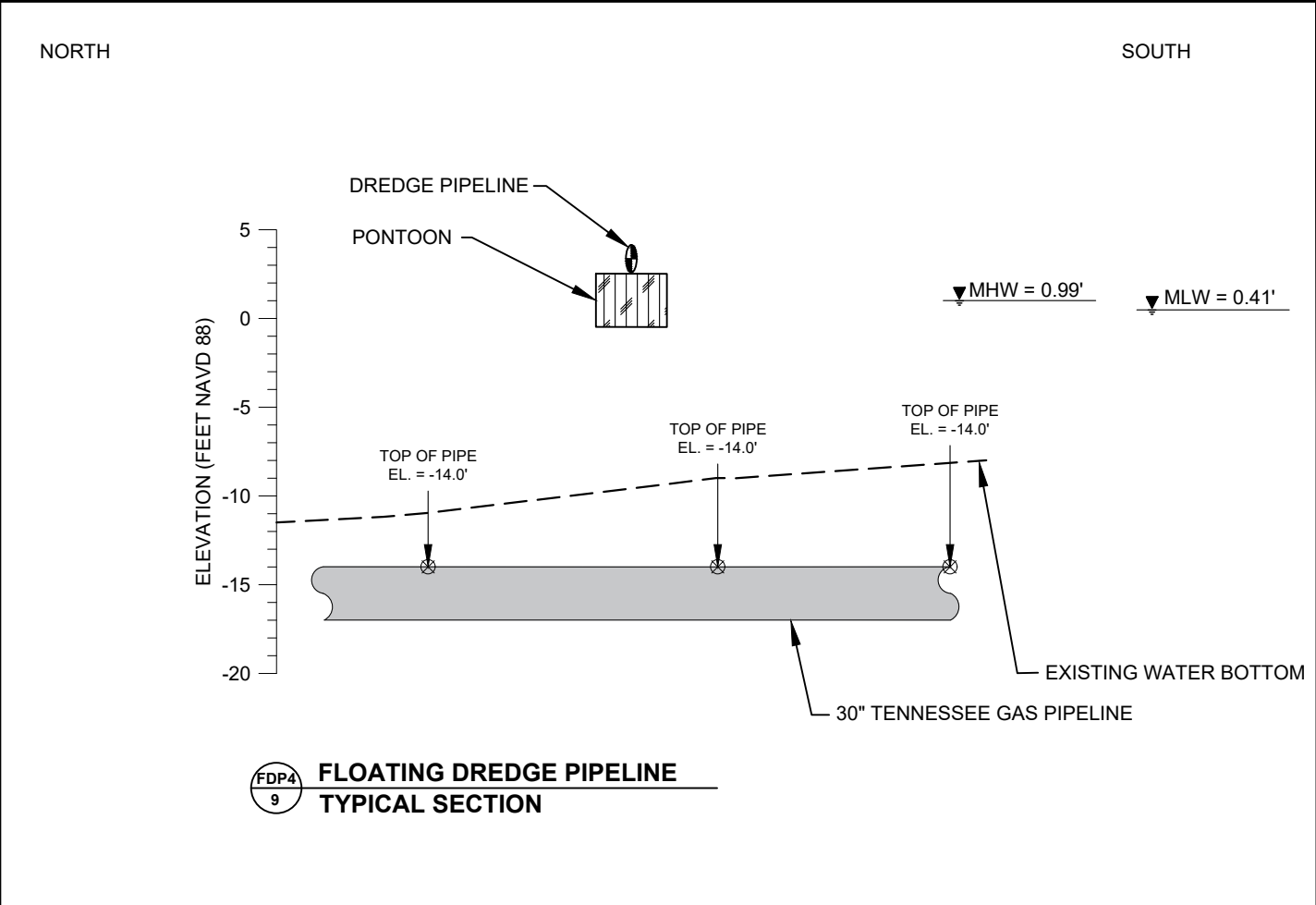
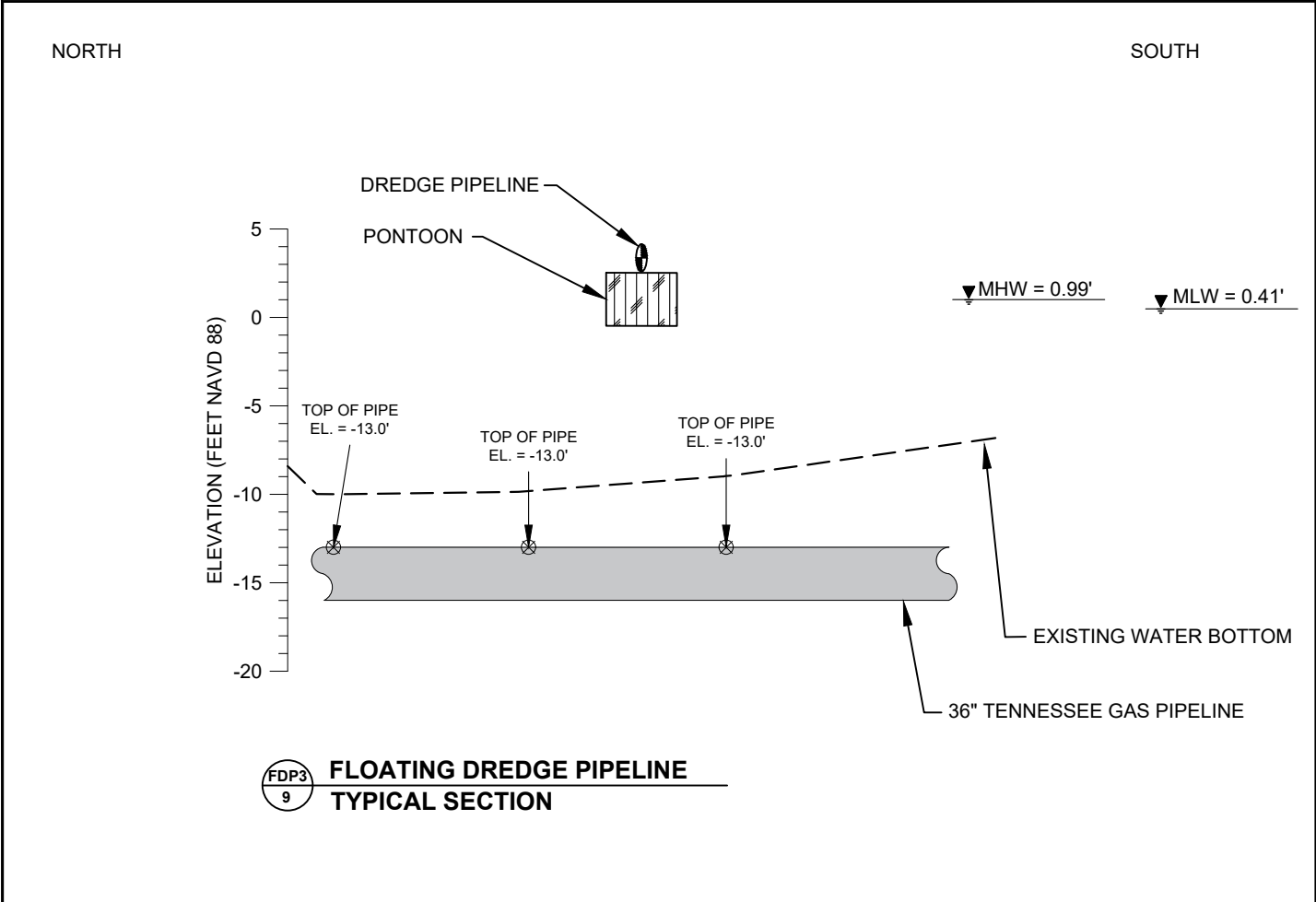


DATE: AUGUST 2024		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
SHEET 17 OF 31							
NORTH DELACROIX MARSH CREATION & TERRACING		SUBMERGED DREDGE PIPELINE CROSSING SECTIONS					
STATE PROJECT NUMBER: BS-0041		DESIGNED BY: ALEX HOLSTON, E.I.					
DRAWN BY: JOHN BLADES		APPROVED BY: THOMAS MCLAIN, P.E. 44567					
				REV.	DATE	DESCRIPTION	BY

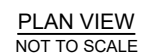


LEGEND	
---	EXISTING WATER BOTTOM

DATE: AUGUST 2024		NORTH DELACROIX MARSH CREATION & TERRACING		SUBMERGED DREDGE PIPELINE CROSSING SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802									
STATE PROJECT NUMBER: BS-0041		DRAWN BY: JOHN BLADES		DESIGNED BY: ALEX HOLSTON, E.I.											
APPROVED BY: THOMAS MCLAIN, P.E. 44567															
SHEET 18 OF 31										REV.	DATE	DESCRIPTION		BY	



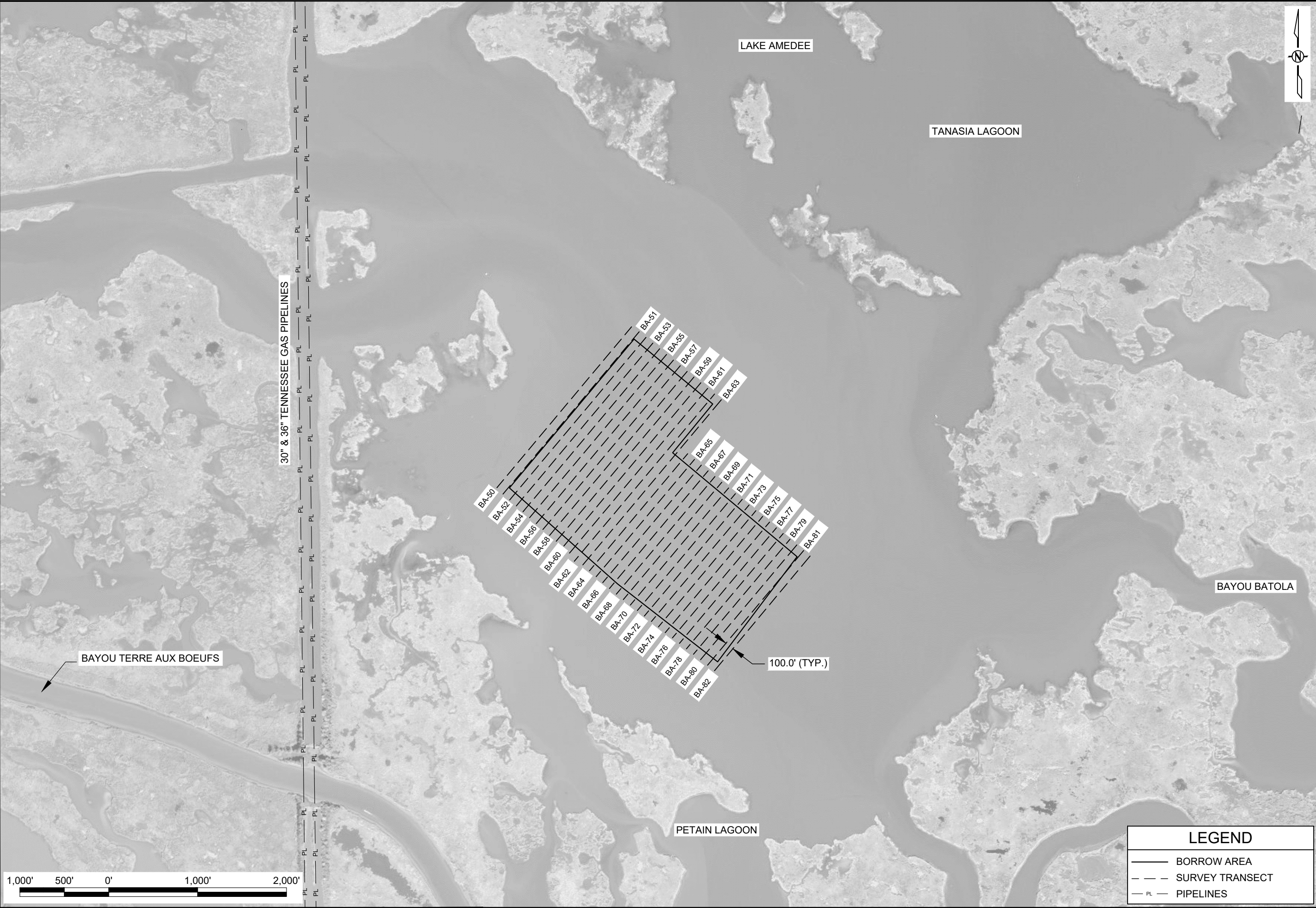
DATE: AUGUST 2024		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802					
SHEET 19 OF 31							
NORTH DELACROIX MARSH CREATION & TERRACING		FLOATING DREDGE PIPELINE TYPICAL SECTIONS					
STATE PROJECT NUMBER: BS-0041		DESIGNED BY: ALEX HOLSTON, E.I.					
DRAWN BY: JOHN BLADES		APPROVED BY: THOMAS MCCLAIN, P.E. - 44567		REV.			DATE
				DESCRIPTION			BY



MARSH CREATION AREA SETTLEMENT PLATE
NOT TO SCALE



SHEET 20 OF 31



LEGEND

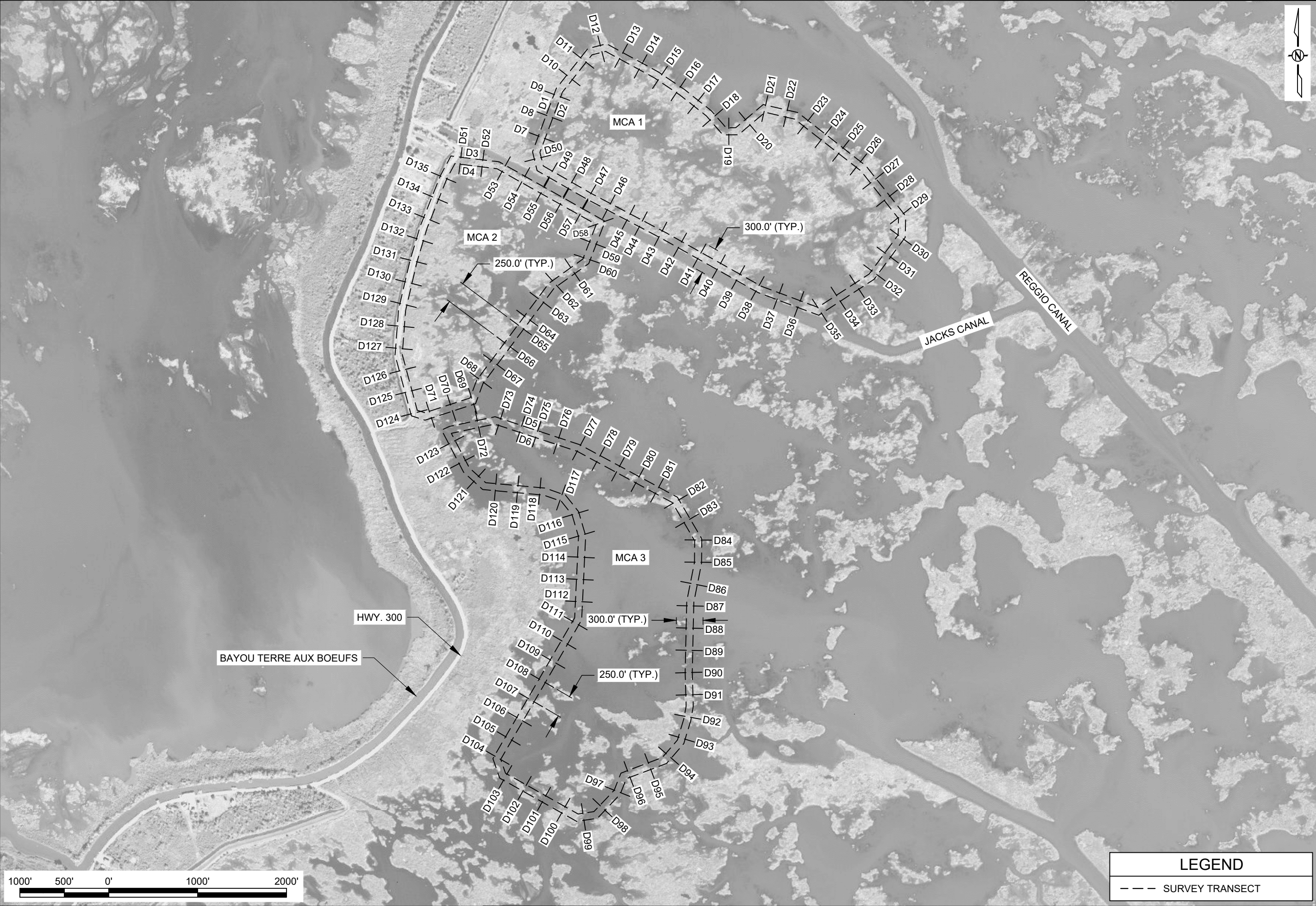
BORROW AREA

SURVEY TRANSECT

PL

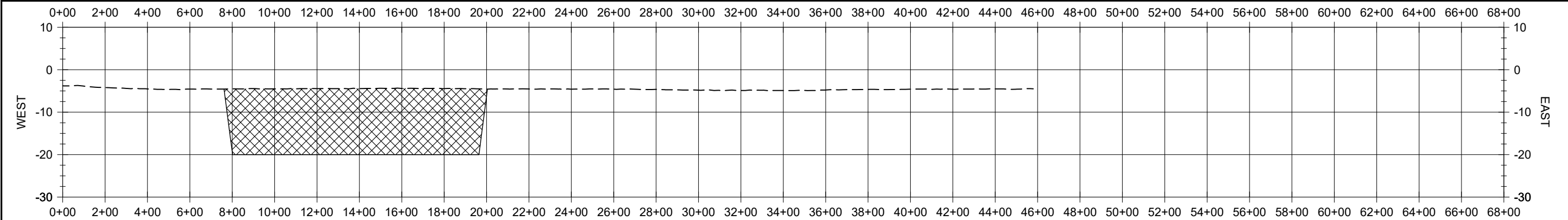
PIPELINES

NORTH DELACROIX MARSH CREATION & TERRACING		MARSH CREATION BORROW AREA CONSTRUCTION SURVEY LAYOUT		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802											
STATE PROJECT NUMBER: BS-0041		DESIGNED BY: ALEX HOLSTON, E.I.						REV.	DATE	DESCRIPTION					
DRAWN BY: JOHN BLADES		APPROVED BY: THOMAS MCLAIN, P.E. - 44567													
DATE: AUGUST 2024															
SHEET 24 OF 31															

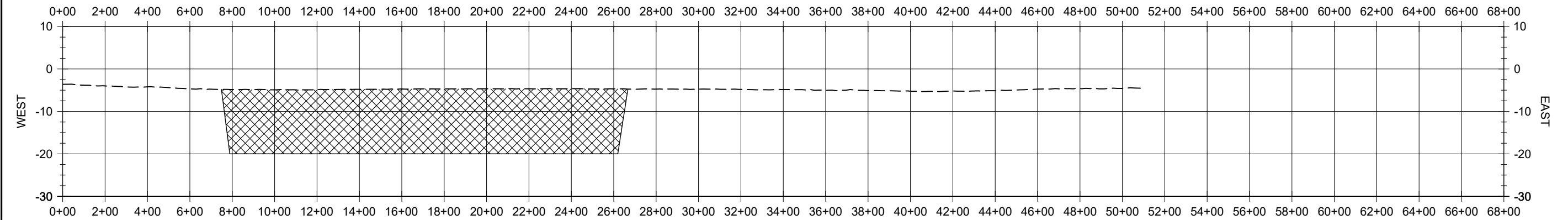


LEGEND	
---	SURVEY TRANSECT

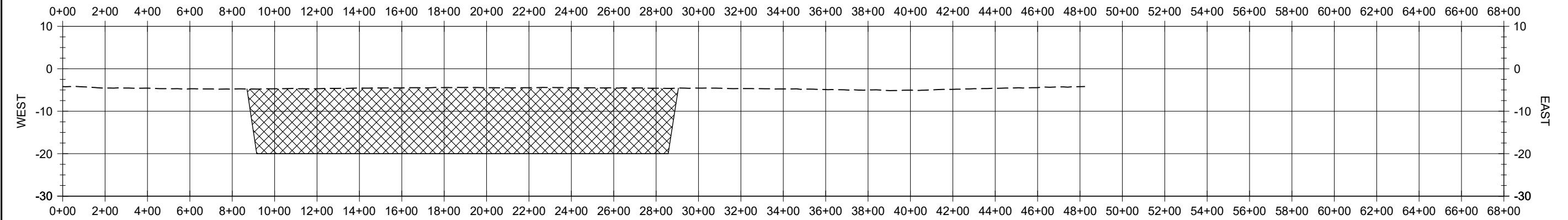
NORTH DELACROIX MARSH CREATION & TERRACING		MARSH CREATION AREA EARTHEN CONTAINMENT DIKE CONSTRUCTION SURVEY LAYOUT		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802							
STATE PROJECT NUMBER: BS-0041		DESIGNED BY: ALEX HOLSTON, E.I.									
DRAWN BY: JOHN BLADES		APPROVED BY: THOMAS MCLAIN, P.E. - 44567									
DATE: AUGUST 2024											
SHEET 25 OF 31								REV.	DATE	DESCRIPTION	BY



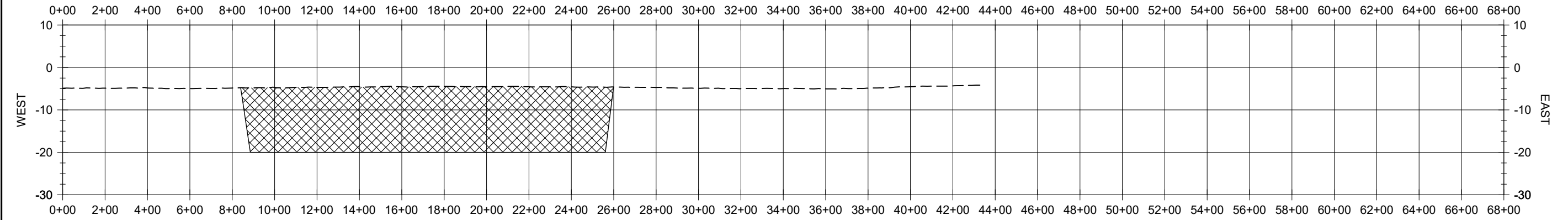
SECTION BA-20



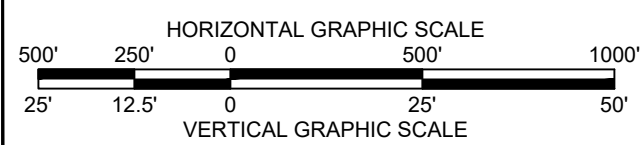
SECTION BA-25



SECTION BA-31



SECTION BA-35

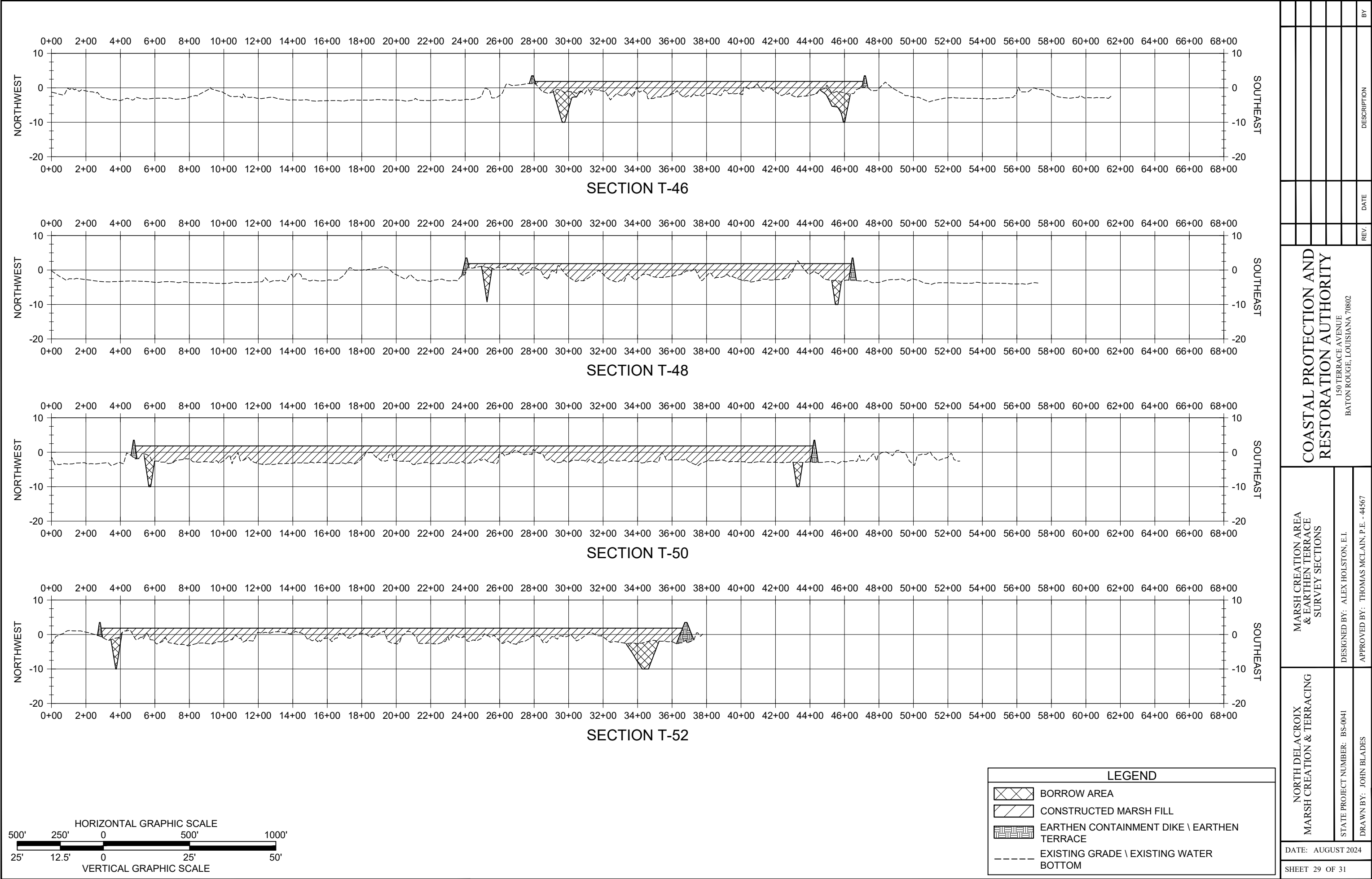


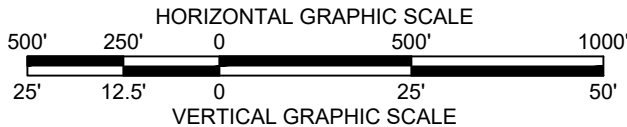
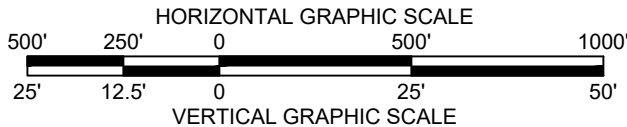
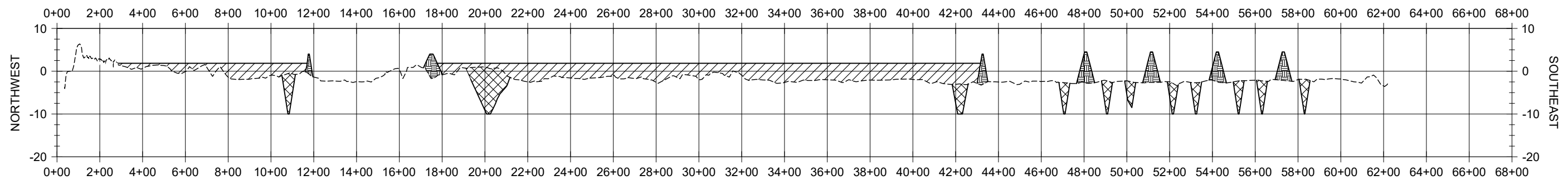
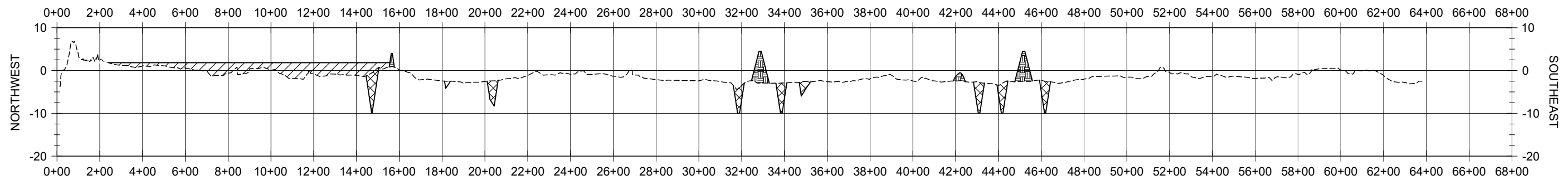
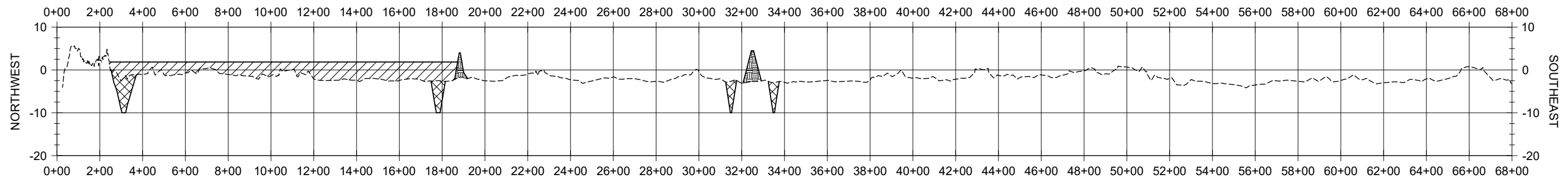
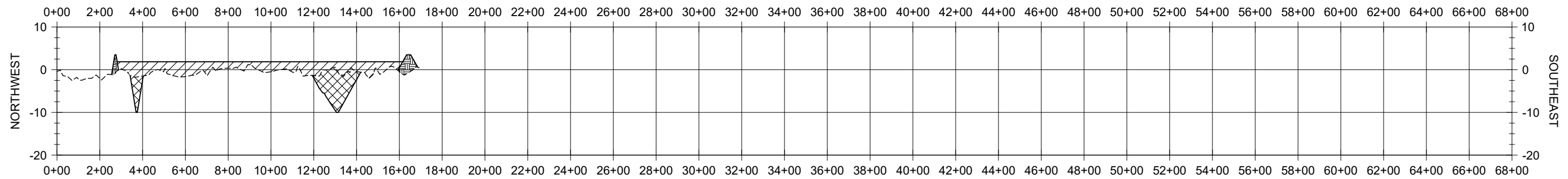
LEGEND

BORROW AREA

EXISTING GRADE \ EXISTING WATER
BOTTOM

NORTH DELACROIX MARSH CREATION & TERRACING		MARSH CREATION BORROW AREA SURVEY SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802							
STATE PROJECT NUMBER: BS-0041		DESIGNED BY: ALEX HOLSTON, E.I.									
DRAWN BY: JOHN BLADES		APPROVED BY: THOMAS MCLAIN, P.E. - 44567									
DATE: AUGUST 2024											
SHEET 28 OF 31											





LEGEND	
	BORROW AREA
	CONSTRUCTED MARSH FILL
	EARTHEN CONTAINMENT DIKE \ EARTHEN TERRACE
-----	EXISTING GRADE \ EXISTING WATER BOTTOM

NORTH DELACROIX MARSH CREATION & TERRACING		MARSH CREATION AREA & EARTHEN TERRACE SURVEY SECTIONS		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802							
STATE PROJECT NUMBER: BS-0041		DESIGNED BY: ALEX HOLSTON, E.I.									
DRAWN BY: JOHN BLADES		APPROVED BY: THOMAS MCCLAIN, P.E. - 44567									
DATE: AUGUST 2024											
SHEET 30 OF 31											
								REV.	DATE	DESCRIPTION	BY

