2022 CPRA Coastal Industry Week

Coastal Construction Project Forecast – CPRA Led

Center for River Studies
100 Terrace Avenue
Baton Rouge, LA 70802

April 5th, 2022
3:00pm – 4:30pm CST

Zoom URL:	https://us06web.zoom.us/j/83085942497
Meeting ID:	830 859 42497
Conference Line:	USA (816) 423-4282
Conference Code:	955438

I. Opening Remarks (3:00 pm – 3:05 pm)

II. Re-Cap from Coastal Industry Week Webinars (3:05 – 3:15)

III. Upcoming Restoration Projects to be Bid for Construction (3:15 pm – 4:15 pm)

- **a.** BS-0032 Mid Breton Landbridge Marsh Creation & Terracing: *Chris Scalco, CPRA*
- **b.** PO-0194 LaBranche Shoreline Protection Project: *Chris Scalco, CPRA*
- **c.** BS-0038 Breton Landbridge Marsh Creation West: *Alex Holston, CPRA*
- **d.** CS-0078 No Name Bayou Marsh Creation and Nourishment: *Joanne Tribou, CPRA*
- **e.** CS-0085 Long Point Bayou Marsh Creation Project: *Kazi Sadid, CPRA*
- **f.** PO-0178 Bayou LaLoutre Ridge Restoration: *Kazi Sadid, CPRA*
- **g.** TE-0134 West Fourchon Marsh Creation & Nourishment: *Thomas McLain, CPRA*
- **h.** TE-0139 Terrebonne Basin Ridge and Marsh Creation – Bayou Terrebonne Increment.: *Thomas McLain, CPRA*

IV. Upcoming Recreational Use Projects to be Bid for Construction (4:15 pm – 4:20 pm)

- **a.** WHARF Phase I: *Joe Wyble, CPRA*
- **b.** Des Allemands Boat Launch: *Joe Wyble, CPRA*
- **c.** Chitimacha Boat Launch: *Joe Wyble, CPRA*

V. Additional Questions and Discussion (4:20 pm – 4:30 pm)

VI. Adjourn

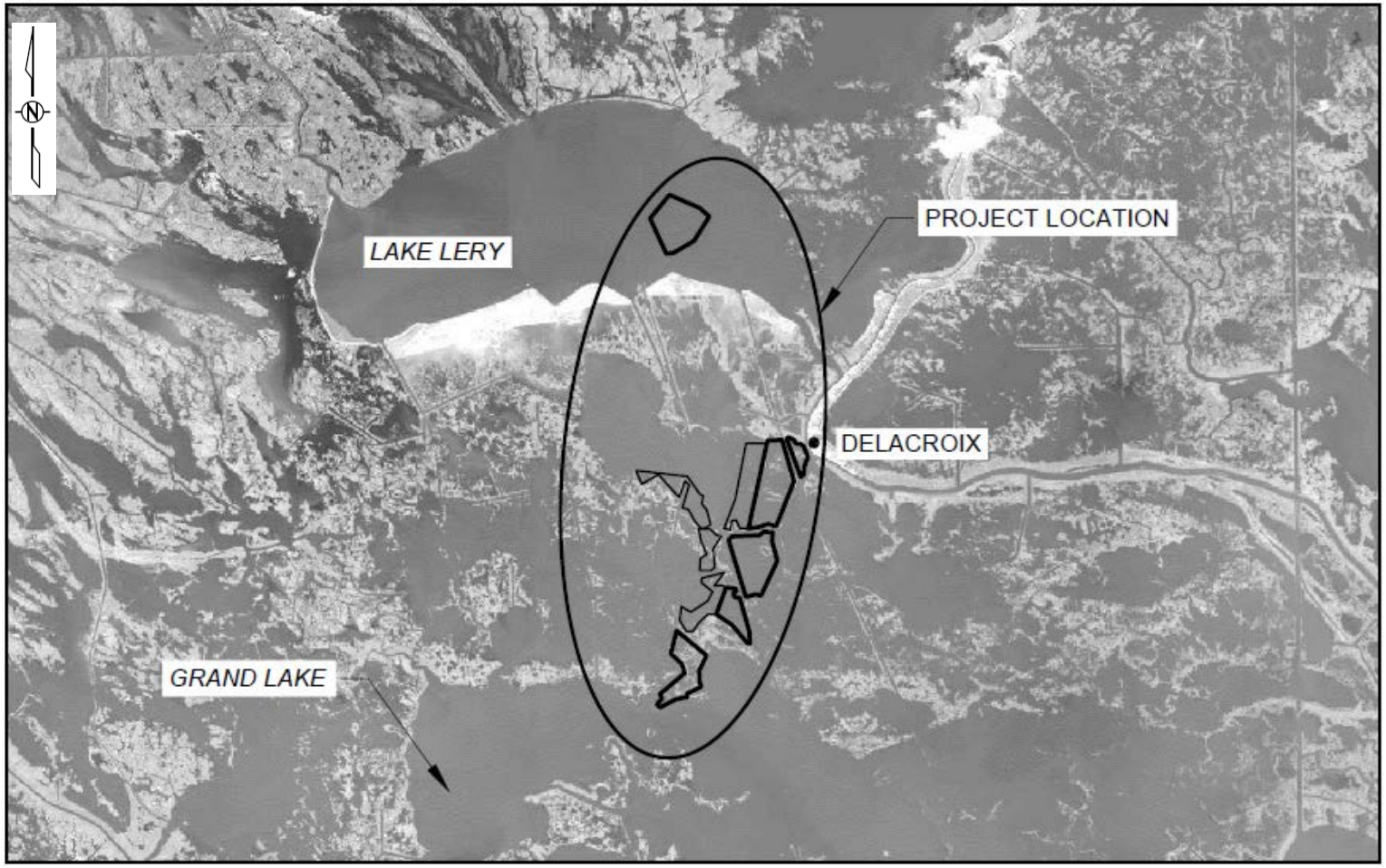
Mid-Breton Land Bridge Marsh Creation and Terracing Project

BS-0032

CHRIS SCALCO, P.E.

Project Overview

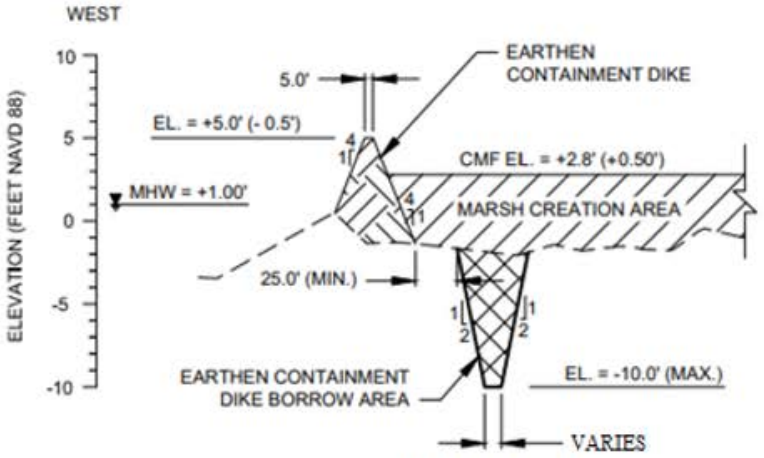
- CWPPRA PPL 27
- Federal Sponsor: USFWS
- Plaquemines Parish
- 514 Acres of Marsh Creation/Nourishment
- 22,000 LF of Earthen Terracing
- 5 Miles Avg. Pump Distance (Lake Lery)



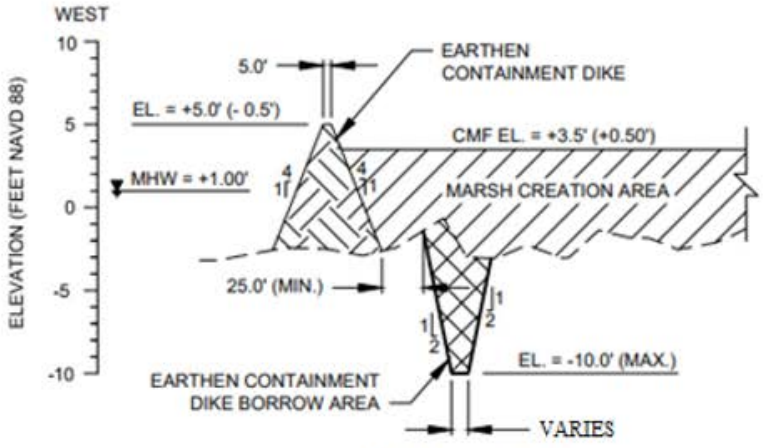
Project Features

Earthen Containment Dikes & CMFE

- Crown Elevation: +5.0’ (-0.5’)
- Crown Width: 5.0’
- Side Slopes: 4H:1V
- Total ECD Length: 48,300 LF
- Interior Borrow
- Half Total LF (24,150 LF) to be Gapped/Degraded after Acceptance of MCA’s



(MCA's 1, 5)

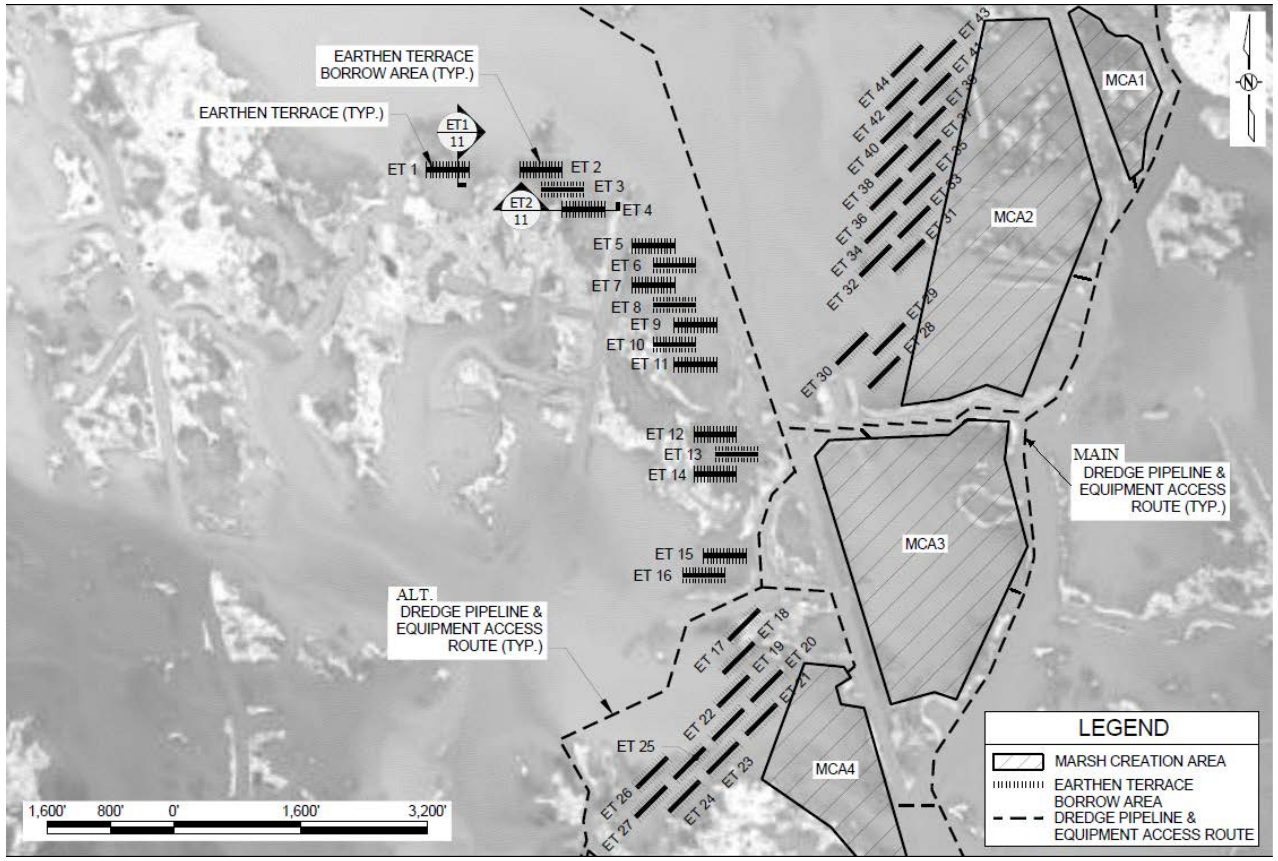


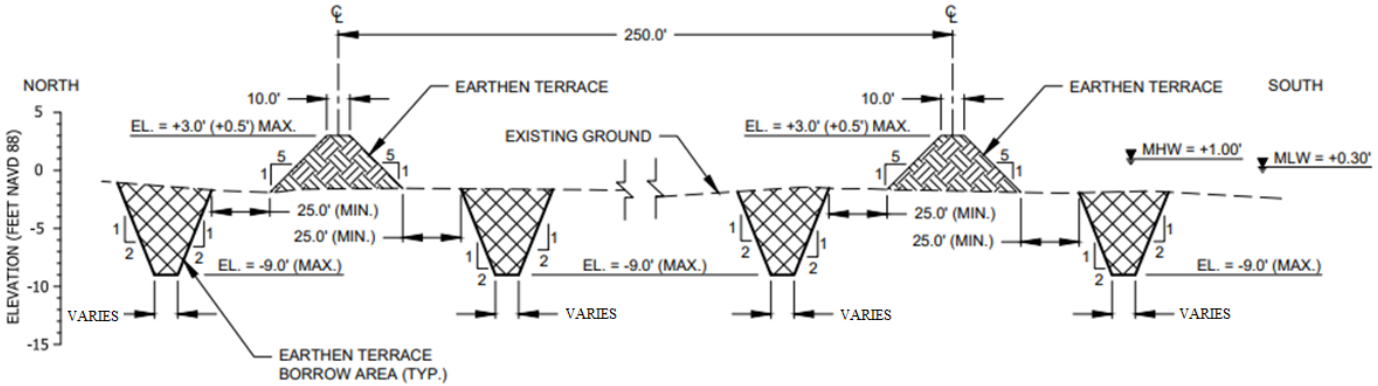
(MCA's 2, 3, 4)

Project Features

Terrace Fields

- Crown Elevation: +3.0’ (+0.5’) Max.
- Crown Width: 10’
- Side Slopes: 5H:1V
- Terrace Length: 500 LF each
- Total LF: 22,000 LF
- Spacing: 250 ft CL to CL

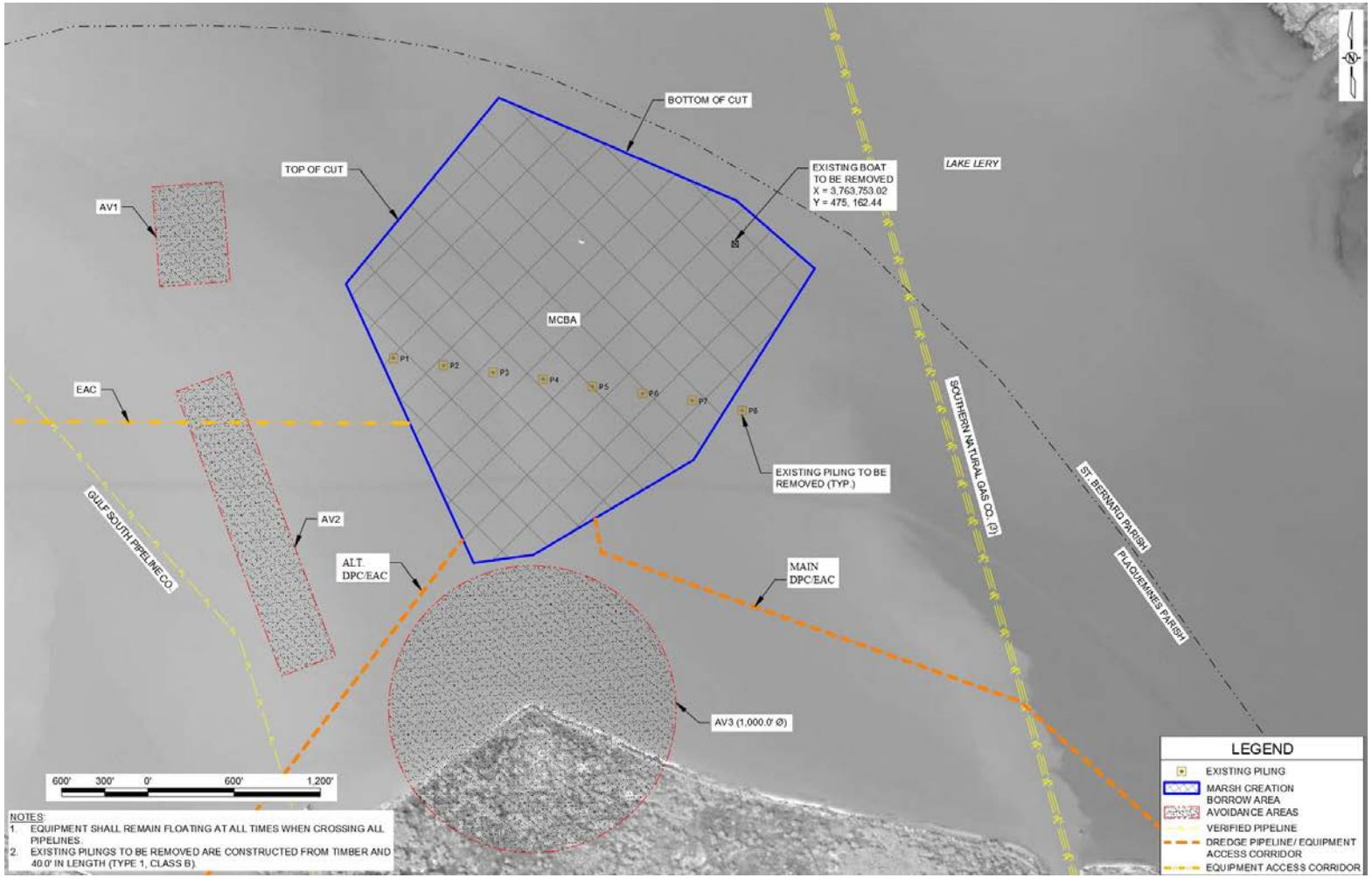




Project Features

Borrow Area (Lake Lery)

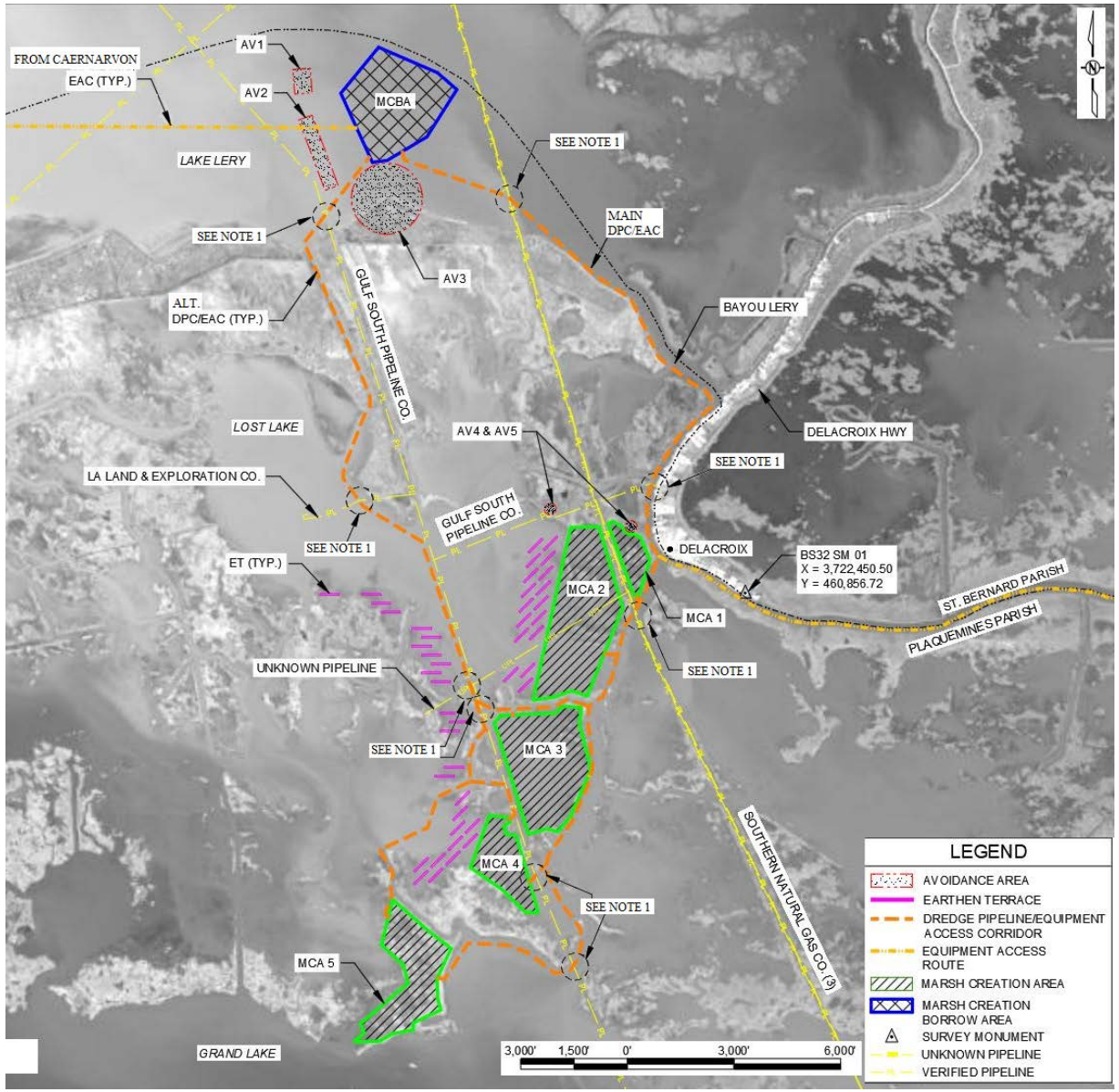
- 2.5 Miles Northwest of Delacroix Island
- Mudline EL.: -6.0’
- 14’ NAVD88 Cut Depth
- Majority Fat Clay mixed with Lean Clay and Organic Clay with some Silt Pockets
- 3 Avoidance Areas
- 8 Pilings to be removed and disposed
- 1 Sunken boat to be removed and disposed
- Approx. 3.4M CY Available (150 Acres)



Existing Infrastructure, Dredge Pipeline & Equipment Access Route

Pipeline	Depth of Cover (ft.)	Size (in.)	Product
Southern Natural Gas	0 - 9.5	20	Gas
Southern Natural Gas	3.5 – 6.0	26	Gas
Southern Natural Gas	4.5 – 11.0	20	Liquid
LA Land & Exploration	1.5 – 9.0	Unknown	Unknown
Gulf South	0 - 6.5	Unknown	Gas
Colonial	6.5 - 7.0	20	Liquid
Gulf South	0.5 - 5.3	Unknown	Gas
Unknown (P & A)	1 - 8.8	8	Plugged

*Note 1: Dredge Pipeline will float over existing Pipelines



Summary of Estimated Quantities

Item No.	Description	Unit	Estimated Quantity
1	MOBILIZATION AND DEMOBILIZATION	LS	1
2	SURVEYS	LS	1
3	GRADE STAKES	EA	43
4	INTRUMENTED SETTLEMENT PLATES	EA	8
5	PILE REMOVAL	EA	8
6	BOAT REMOVAL	EA	1
7	EARTHEN CONTAINMENT DIKES	LF	48,300
8	EARTHEN CONTAINMENT DIKE DEGRADATION	LF	24,150
9	EARTHEN TERRACES	LF	22,000
10	HYDRAULIC DREDGING - MARSH CREATION AREA 1	CY	122,700
11	HYDRAULIC DREDGING - MARSH CREATION AREA 2	CY	1,020,100
12	HYDRAULIC DREDGING - MARSH CREATION AREA 3	CY	945,700
13	HYDRAULIC DREDGING - MARSH CREATION AREA 4	CY	432,000
14	HYDRAULIC DREDGING - MARSH CREATION AREA 5	CY	527,100

TOTAL MARSH CREATION VOLUME NEEDED = 3.0M CY

Schedule

- Phase 2 Approval: January 2021
- Construction Permit: Submitted April 2021
- Anticipated Bid Advertisement: Summer 2022
- Construction Duration: 552 days

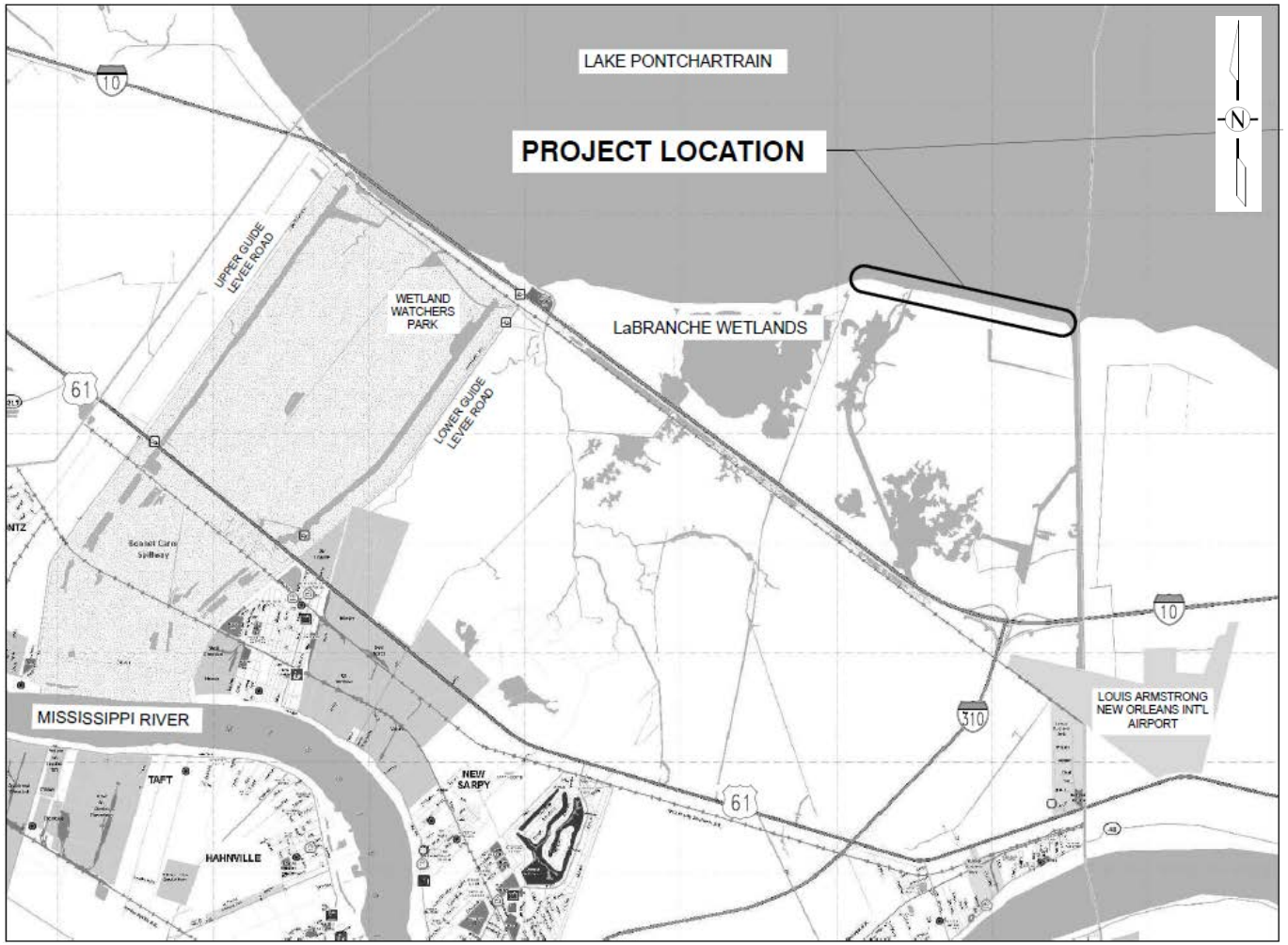
LaBranche Shoreline Protection Project

PO-0194

CHRIS SCALCO, P.E.

Project Overview

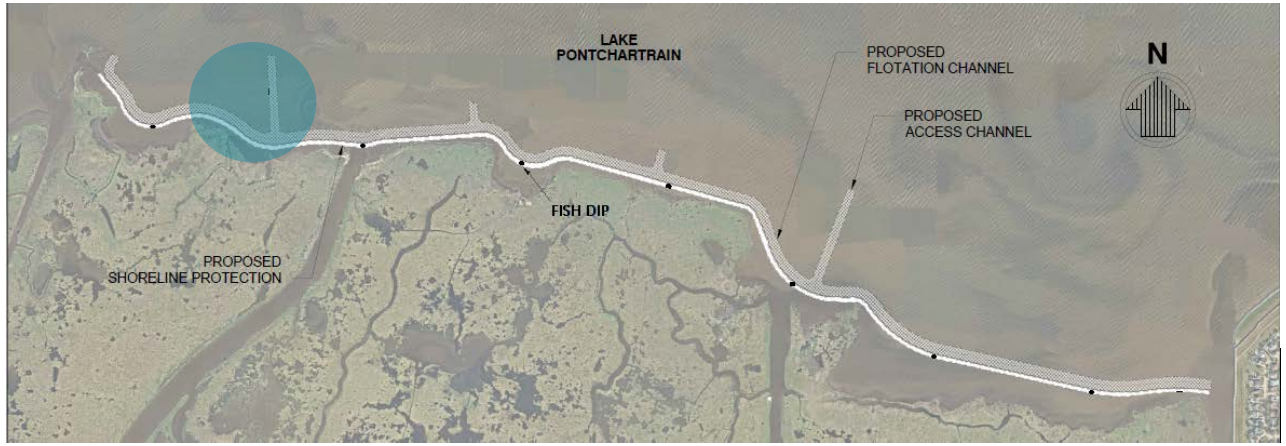
- Design: Moffatt & Nichol
- Funding Source: Surplus
- St. Charles Parish
- Rock Shoreline Protection
- Temporary Access Excavation (Side Casted)
- Beneficial Use Material

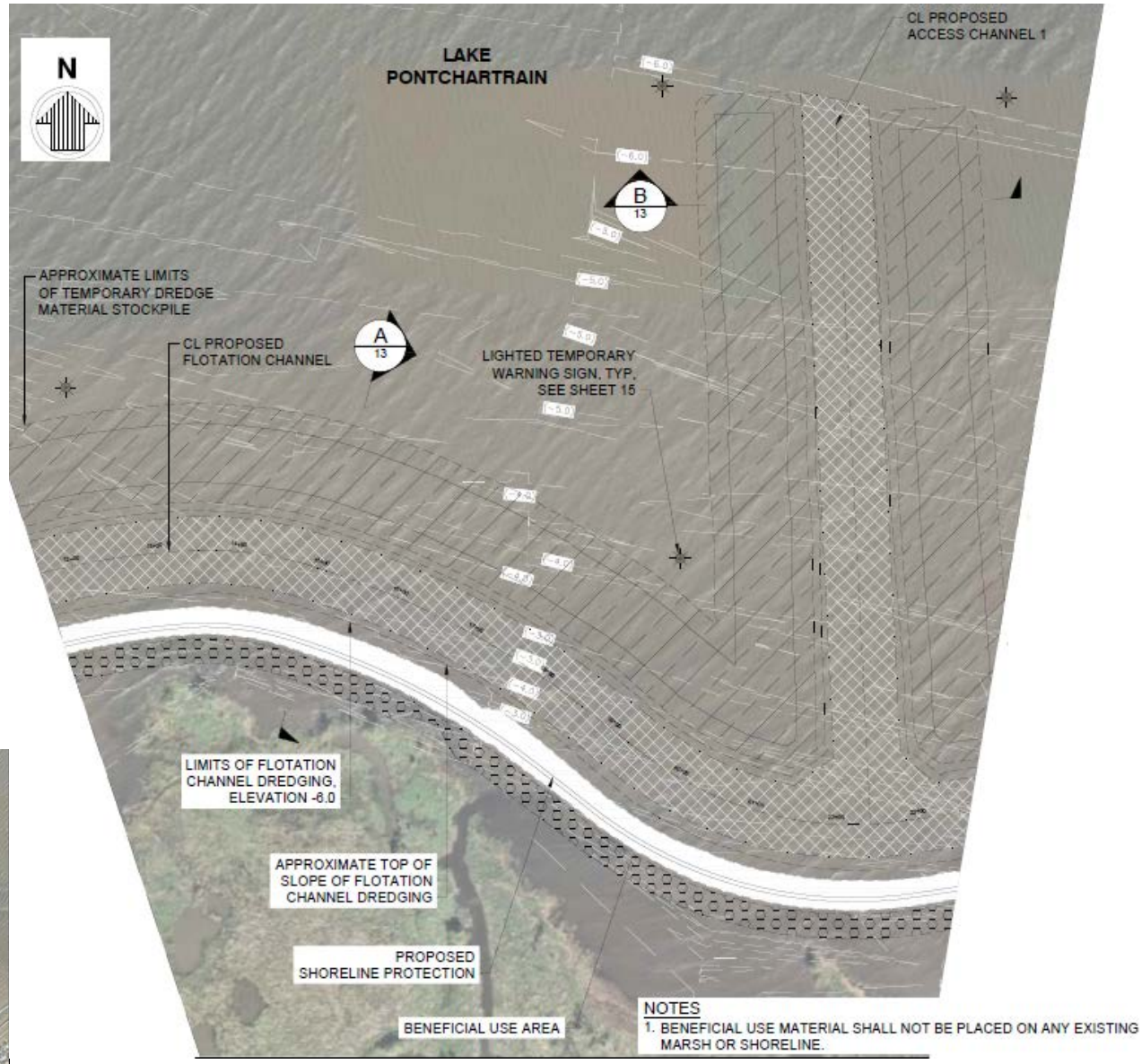


Project Features

Rock Shoreline Protection Layout

- Total Length: 13,000 LF
- 7 Fish Dips
- 4 Access Channels & Flotation Channel Excavation
- 20 Lighted Temporary Warning Signs

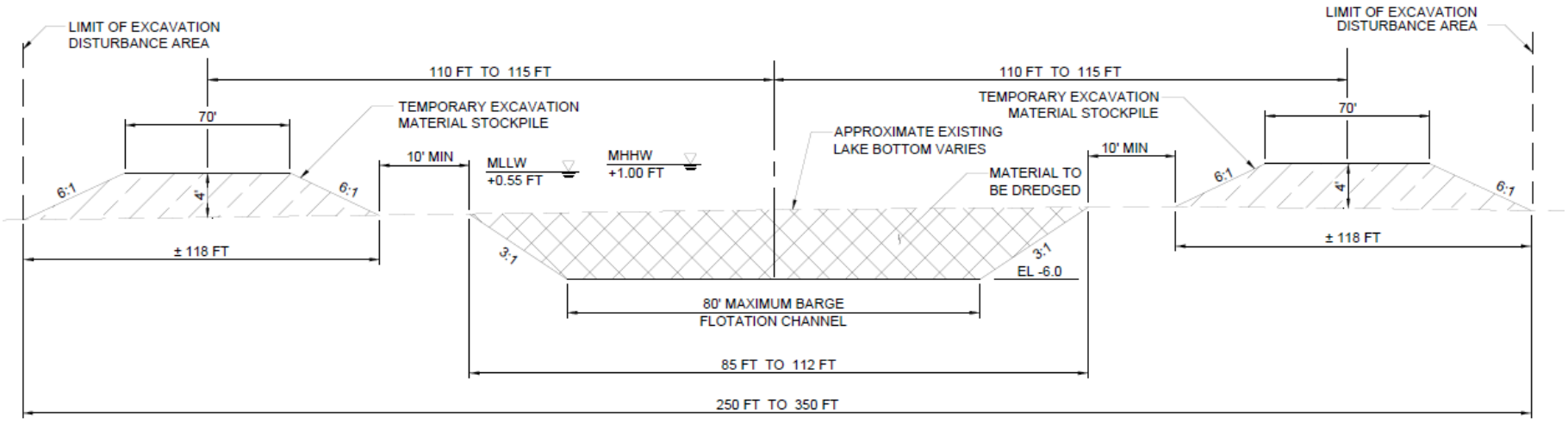




Project Features

Temporary Access & Flotation Channel Excavation

- 14,000 CY Access Channels
- 164,000 CY Flotation Channel
- Backfilled prior to Demob.

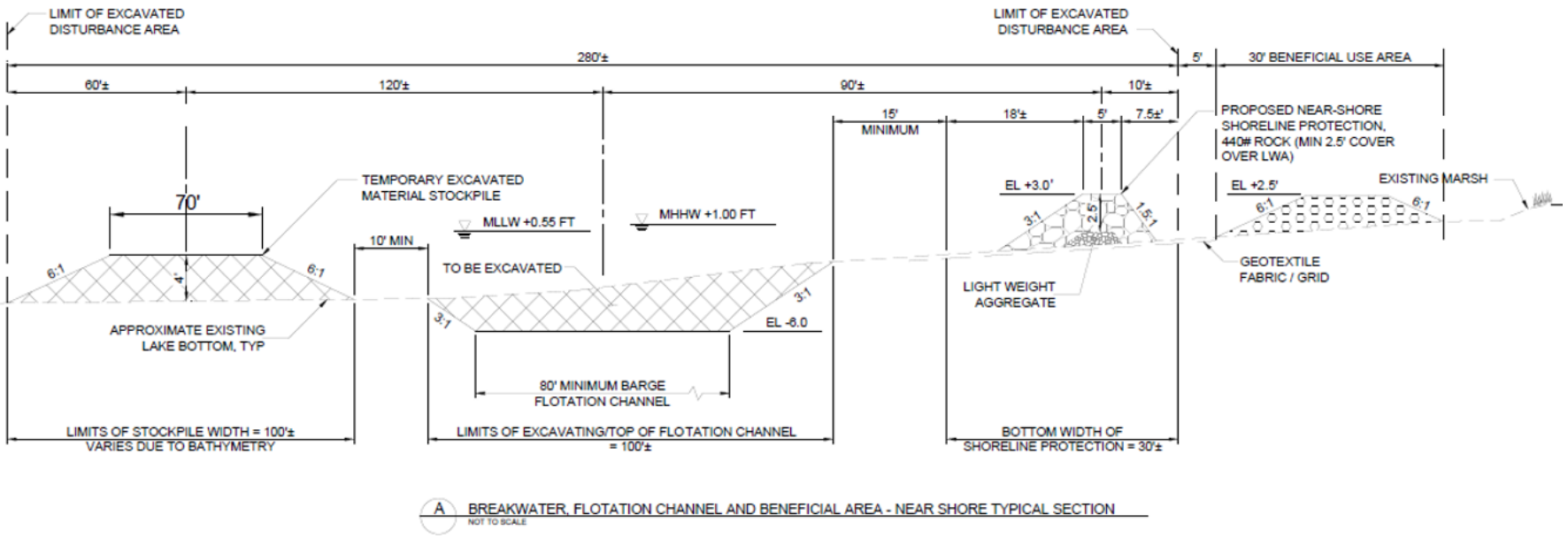


B ACCESS CHANNEL - TYPICAL SECTION
NOT TO SCALE

Project Features

Rock Breakwater

- 10,000 CY LWA
- 39,000 Tons 440# Armor Stone
  - Crown Elevation: +3.0’
  - Crown Width: 5.0’
  - Side Slopes: 3H:1V, 1.5H:1V
- 82,000 CY Beneficial Use
  - Crown Elevation: +2.5’
  - Side Slopes: 6H:1V



Summary of Estimated Quantities

Item No.	Description	Unit	Estimated Quantity
1	MOBILIZATION AND DEMOBILIZATION	LS	1
2	SURVEYS	LS	1
3	GEOTEXTILE COMPOSITE	SY	57,500
4	LIGHTED TEMPORARY WARNING SIGNS	EA	20
5	EXCAVATION - TEMPORARY ACCESS & FLOTATION CHANNELS	CY	178,000
6	BACKFILL - TEMPORARY ACCESS & FLOTATION CHANNELS	CY	96,000
7	LIGHTWEIGHT AGGREGATE	CY	10,000
8	440# ROCK ARMOR STONE	TON	39,000

Schedule

- Construction Permit: Submitted March 2022
- Anticipated Bid Advertisement: Fall 2022
- Construction Duration: 365 days

Breton Landbridge Marsh Creation West (BS-0038)

ALEX HOLSTON, E.I.

Presentation Overview

General Project Information

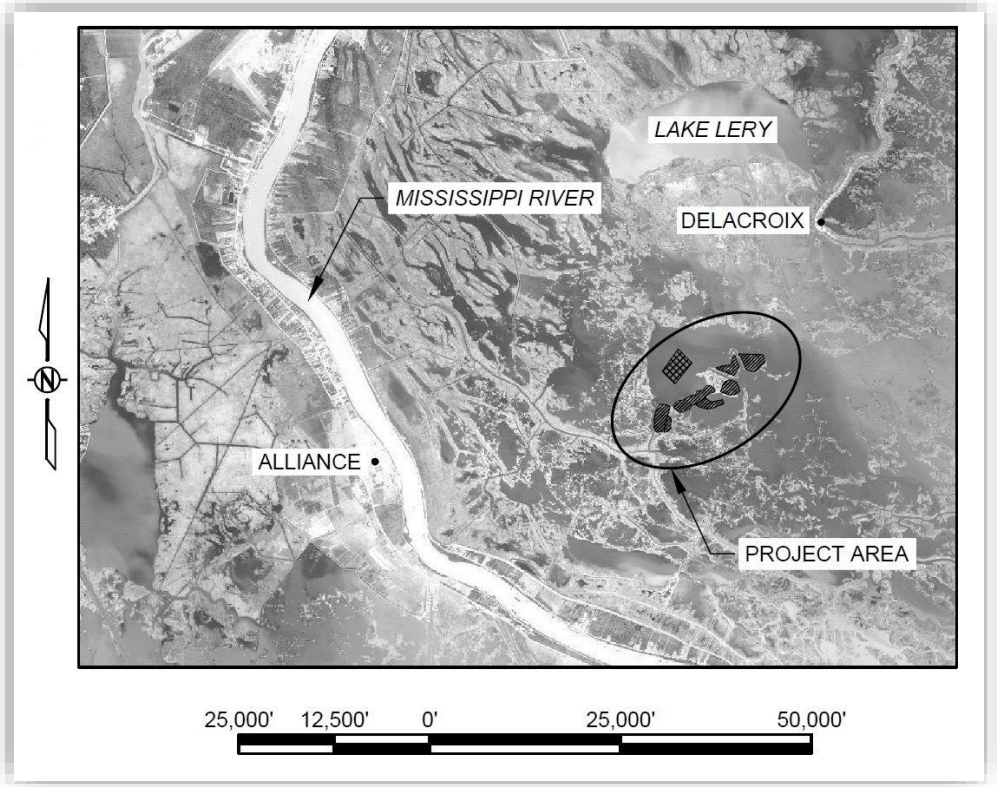
Project Layout, Plan View Drawings

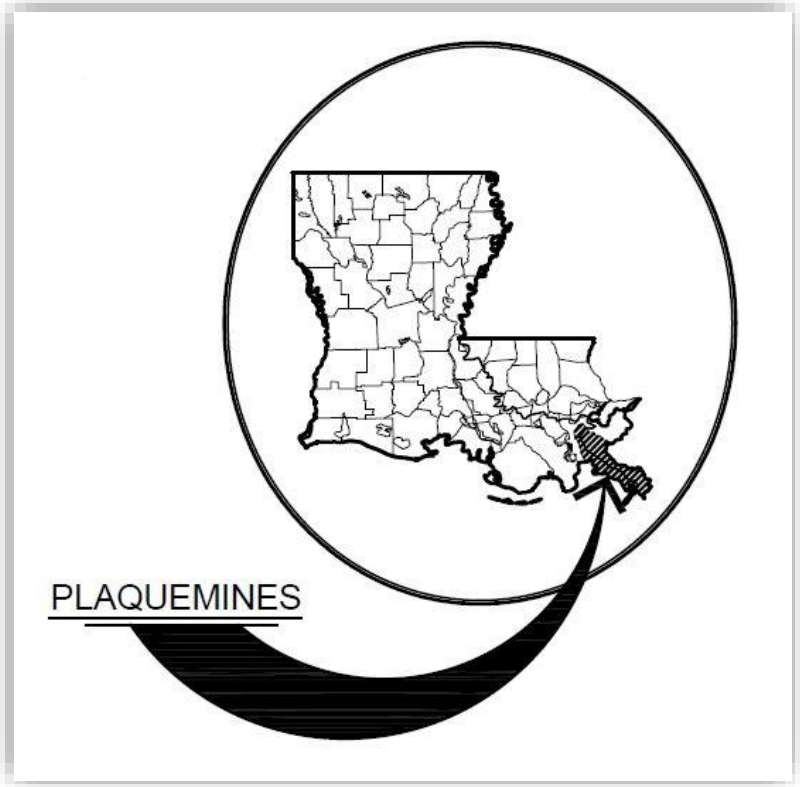
Typical Sections, Construction Details

Notable Quantities

Schedule

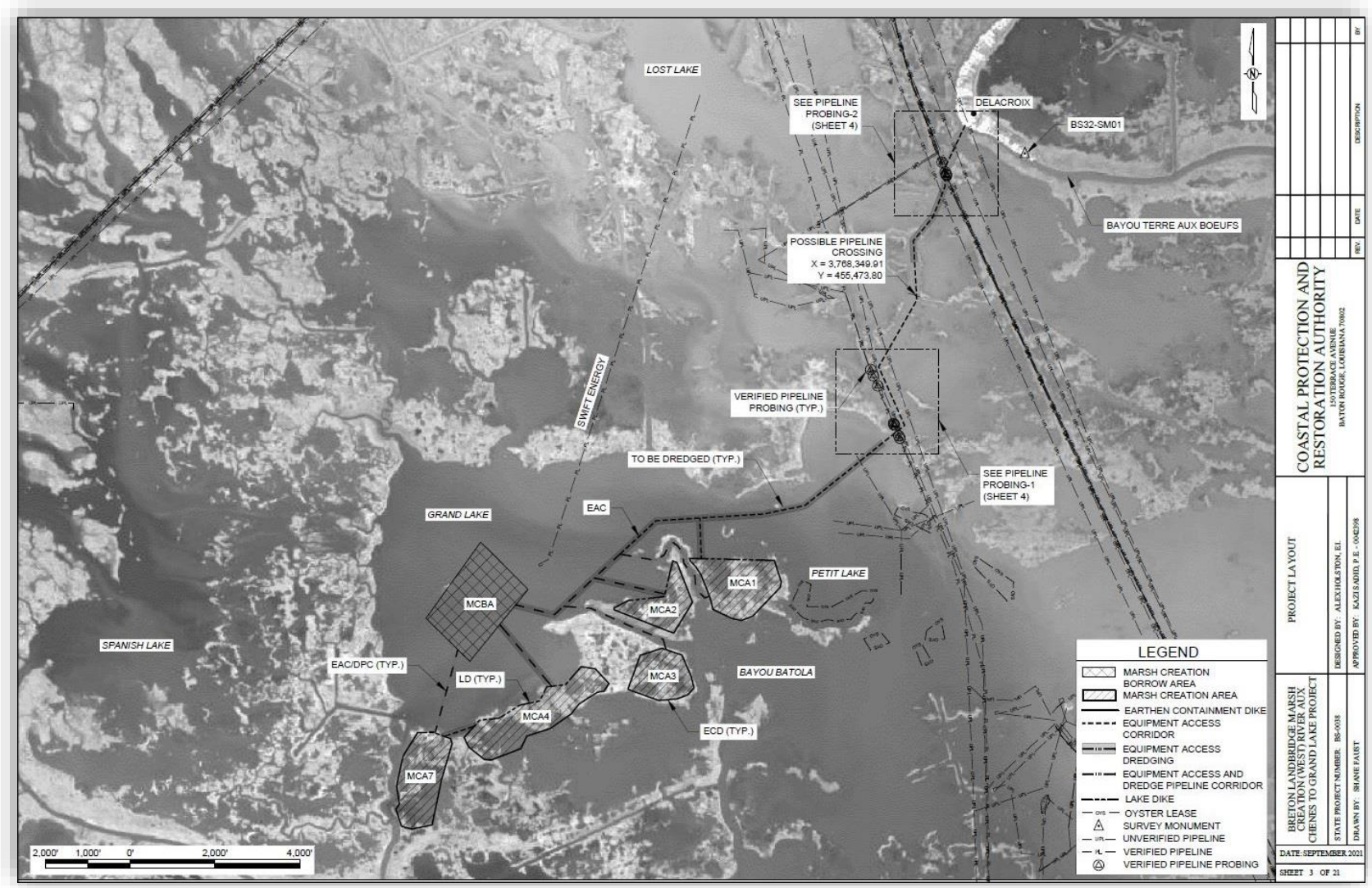
General Project Information



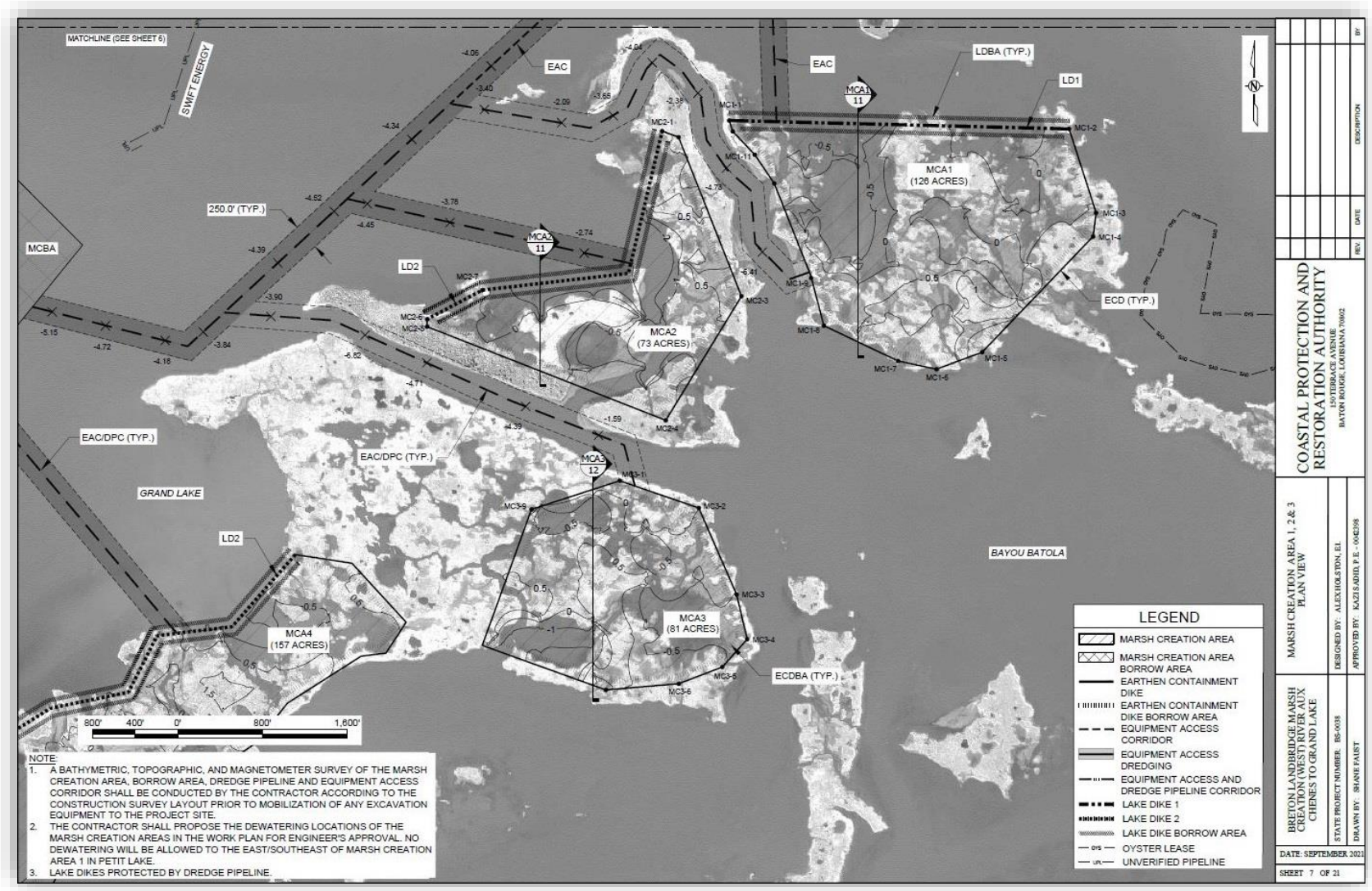


- Breton Sound, Plaquemines Parish
- CWPPRA – National Oceanic and Atmospheric Administration's National Marine Fisheries Services (NOAA/NMFS) Sponsored
- Marsh Creation

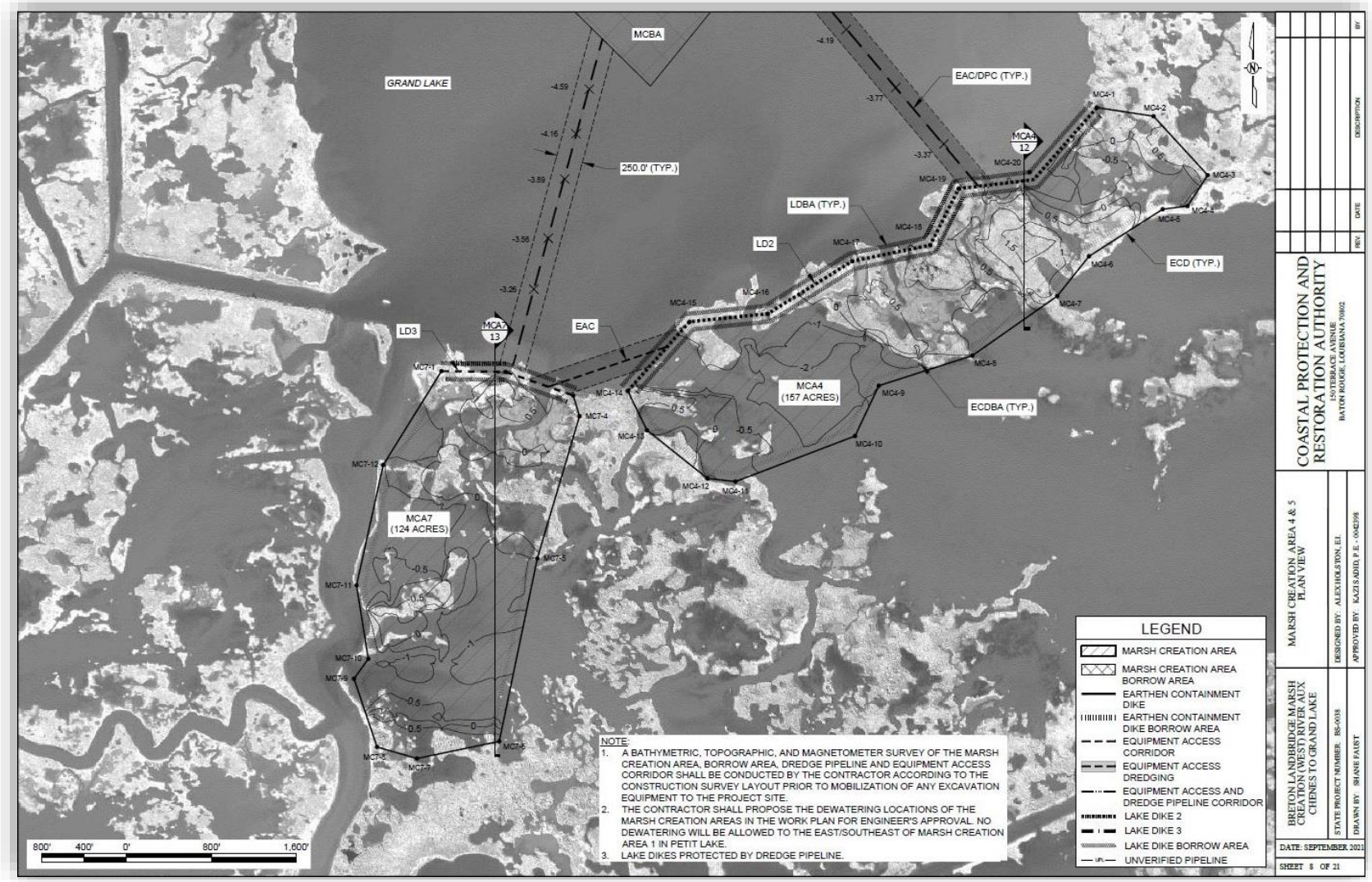
Project Layout



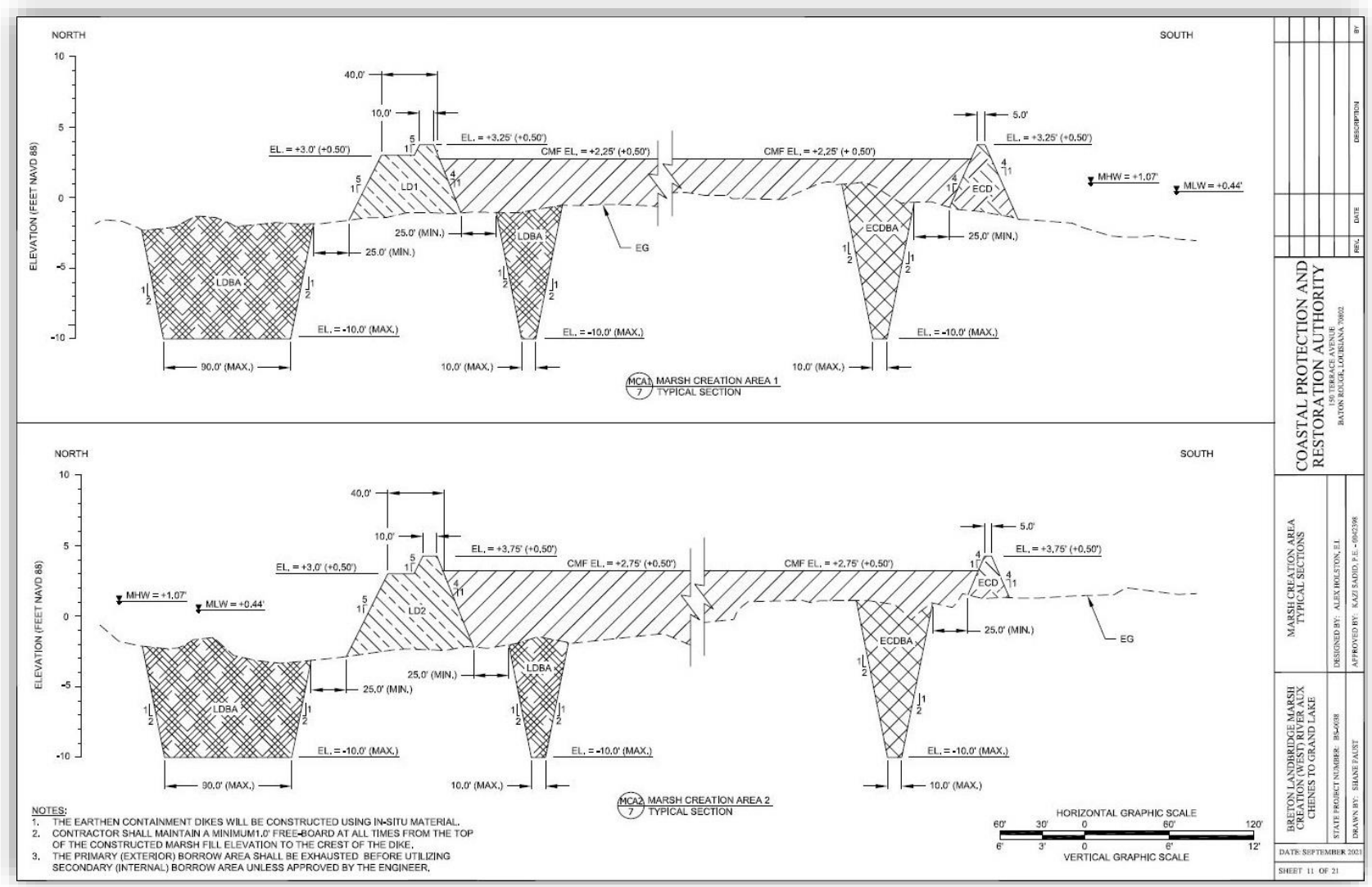
Plan View – MCAs 1, 2, and 3



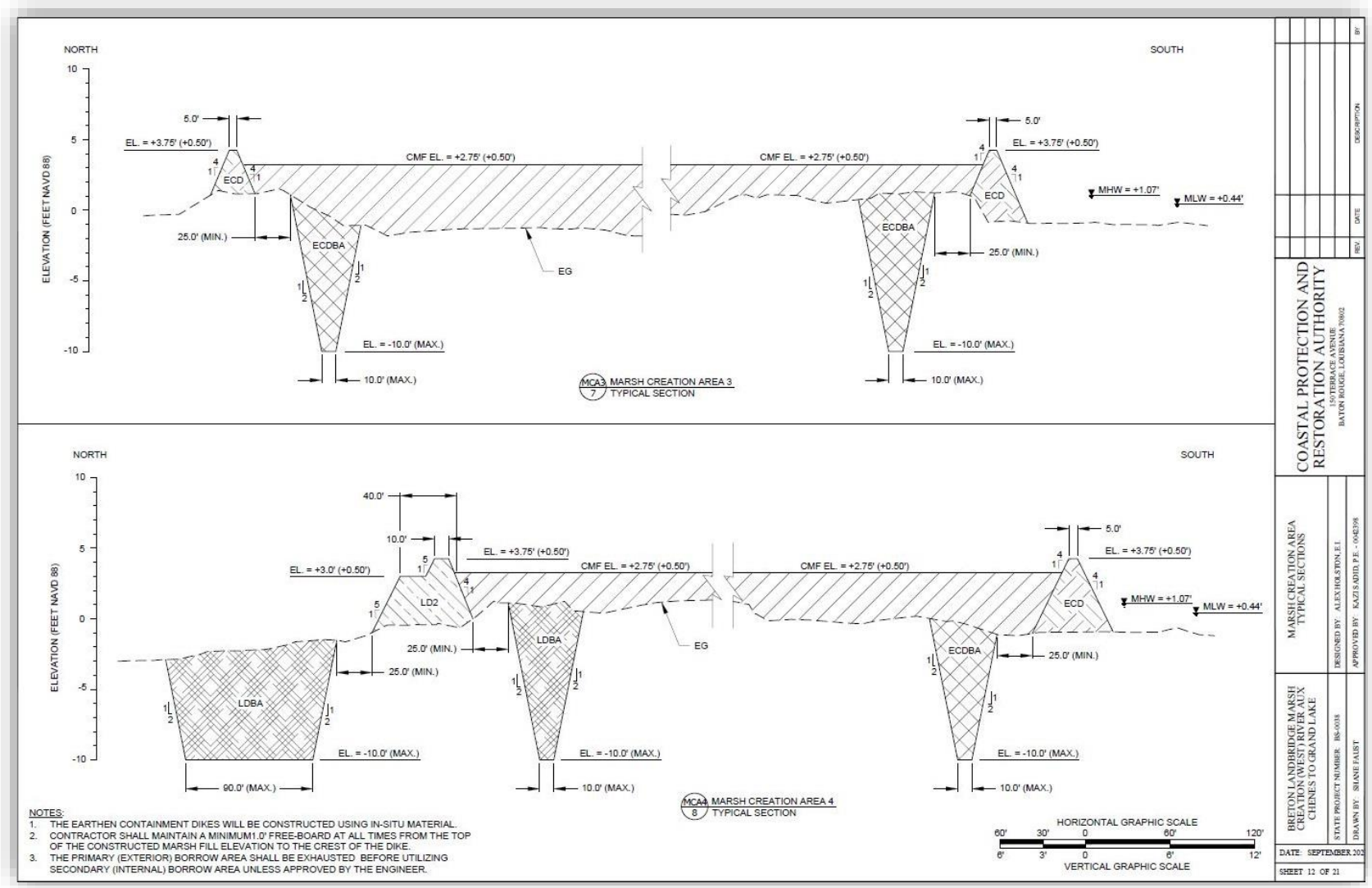
Plan View – MCAs 4 and 7



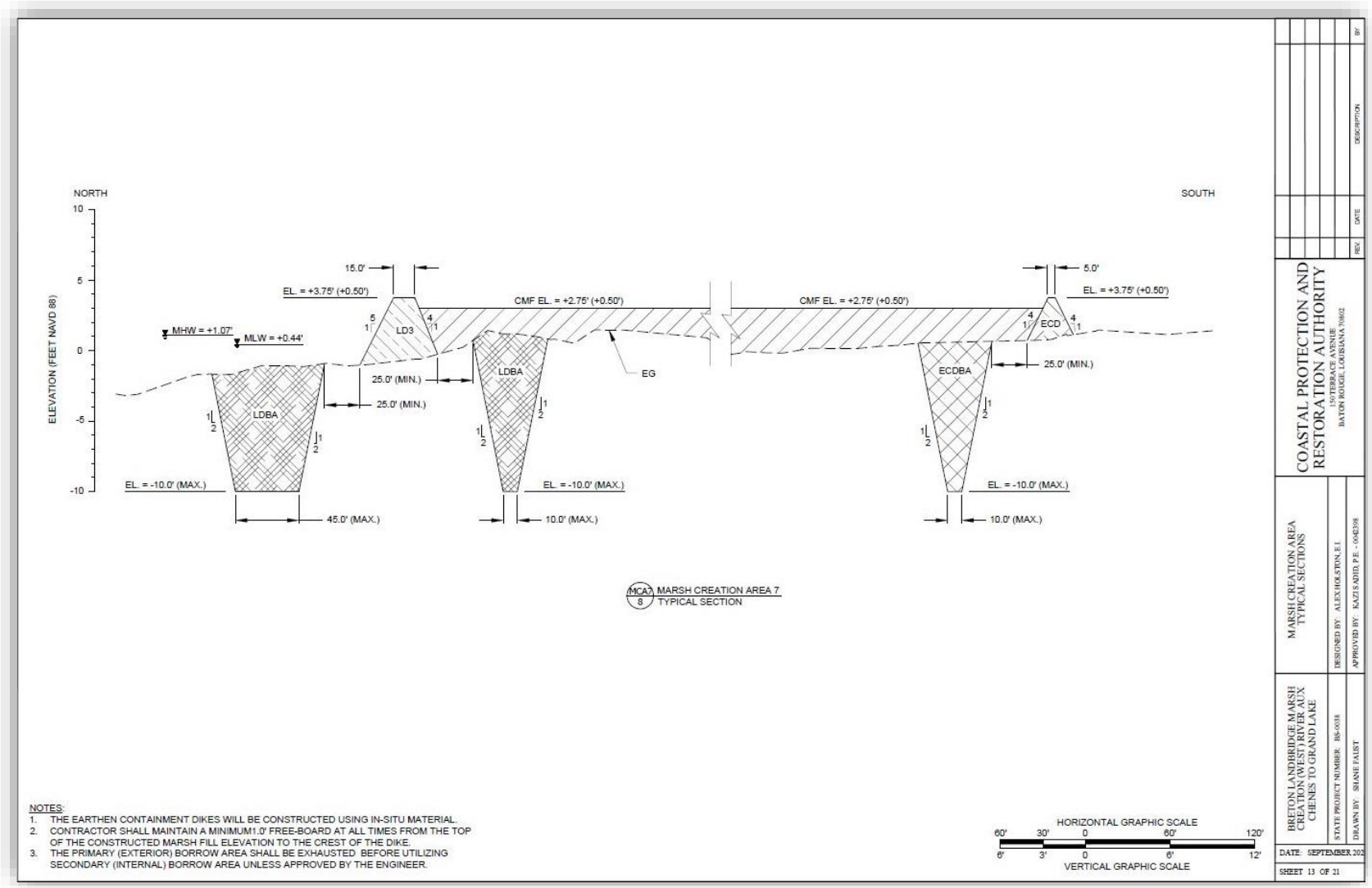
Typical Sections – MCAs 1 & 2



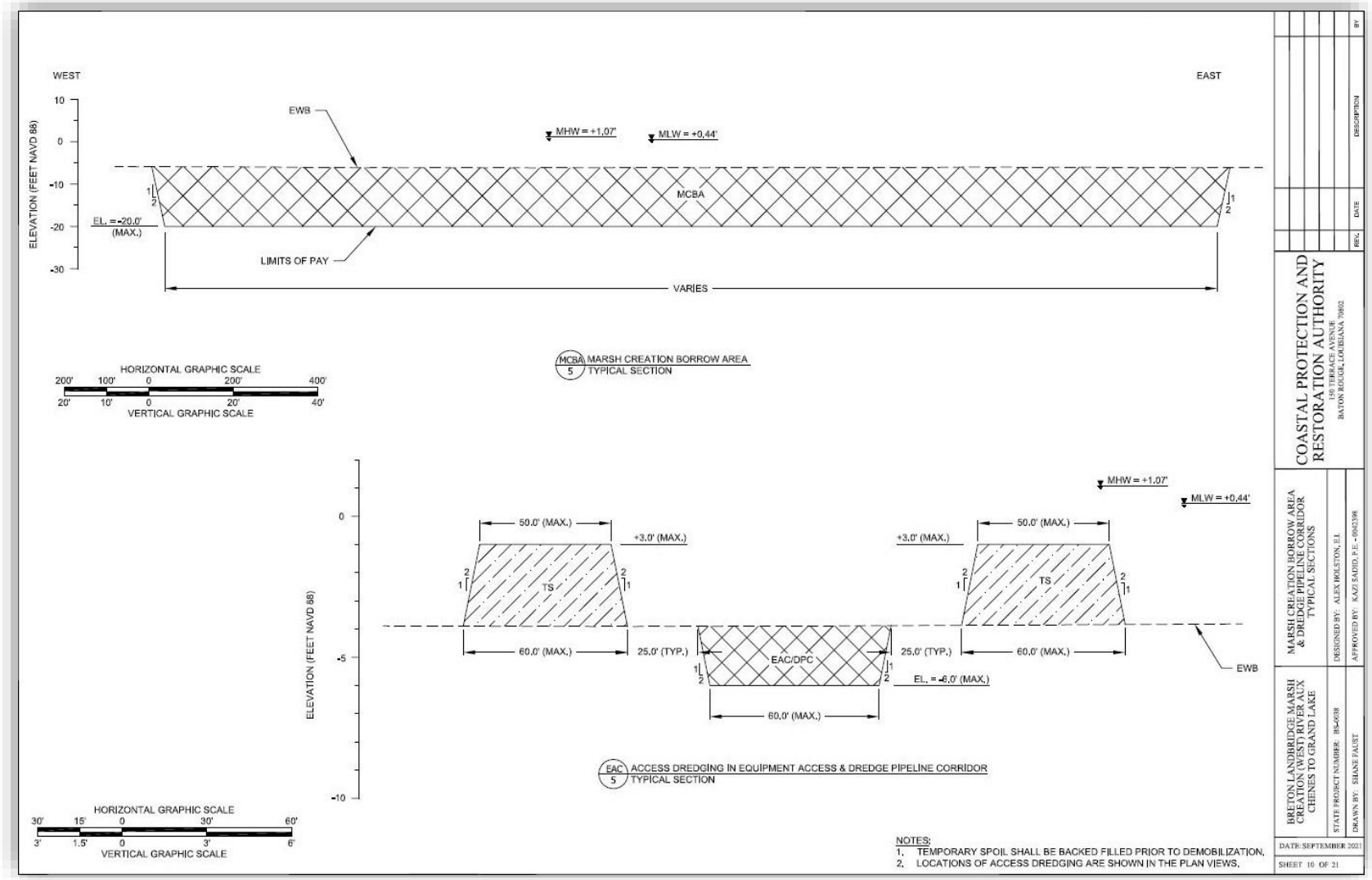
Typical Sections – MCAs 3 & 4



Typical Sections – MCA 7



Typical Sections – BA & EAC/DPC



Notable Quantities

SUMMARY OF ESTIMATED QUANTITIES

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY[1]
1	MOBILIZATION/DEMOBILIZATION (TS-100)	LS	1
2	CONSTRUCTION SURVEYS (TS-200)	LS	1
3	GRADE STAKES (TS-220)	EA	55
4	SETTLEMENT PLATES (TS-270)	EA	14
5	EARTHEN CONTAINMENT DIKE (TS-300)	LF	35,675
6	LAKE DIKE (TS-301)	LF	13,375
7	EQUIPMENT ACCESS DREDGING (TS-360)	LS	1
8	MARSH FILL (TS-400)	CY	2,158,530
9	DREDGE PIPELINE FOR EROSION CONTROL (TS-1120)	LF	13,375

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.

Schedule

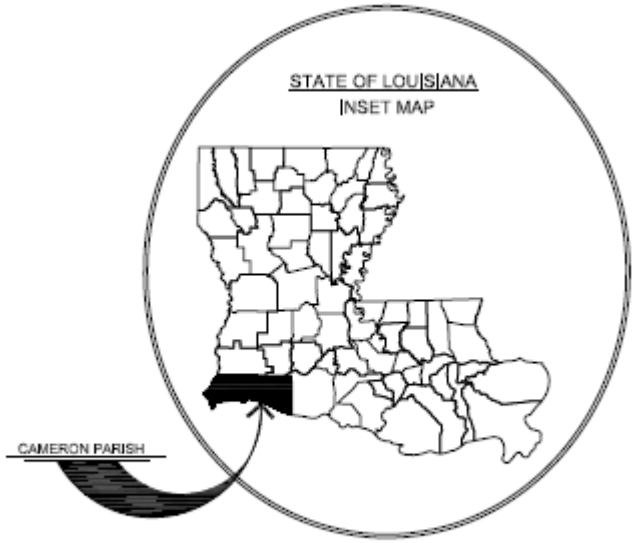
- Phase 2 Grant: Approved, funding applied for
- Permitting: Submitted, under review
- Landrights/Servitude Agreements: 4th Quarter 2022
- Advertisement: 1st Quarter 2023
- Construction Duration: 522 days

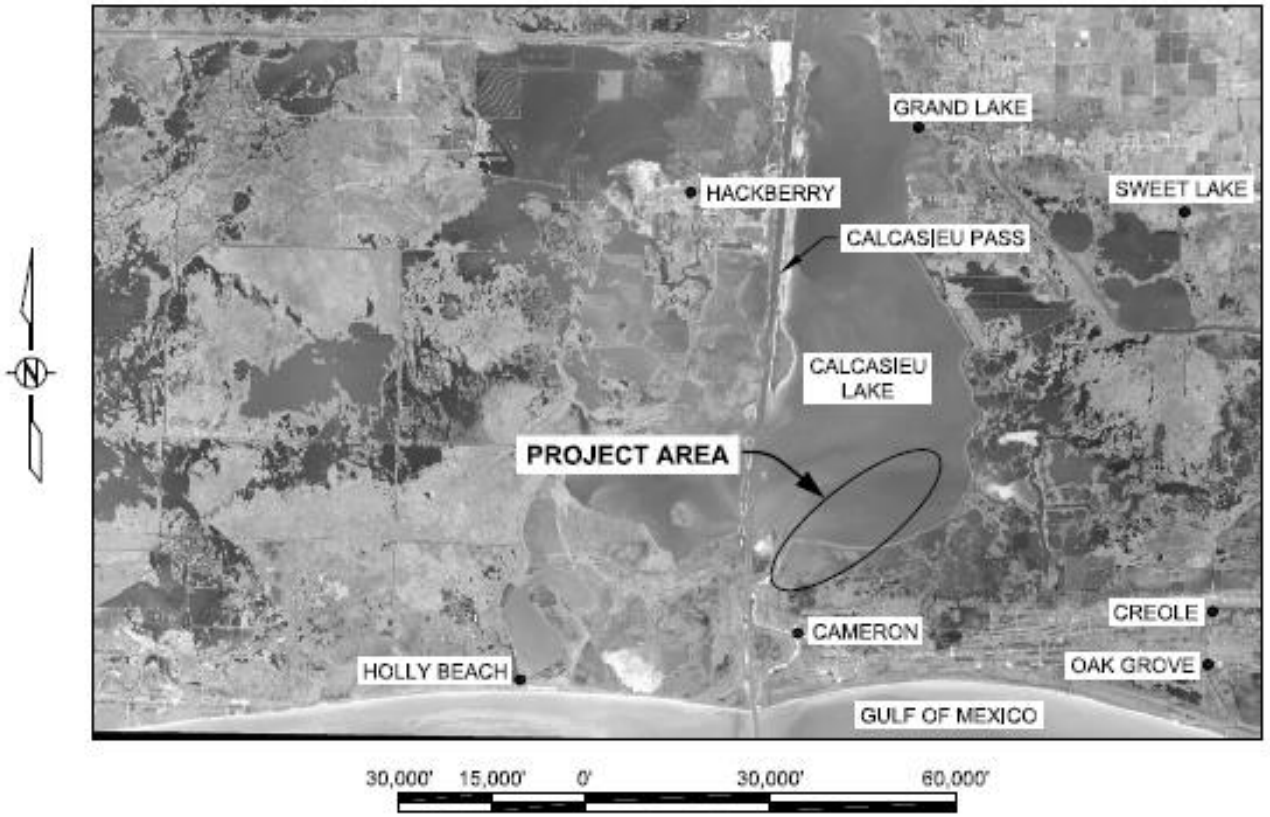
No Name Bayou Marsh Creation and Nourishment Project

(CS-78)

JOANNE TRIBOU, E.I.

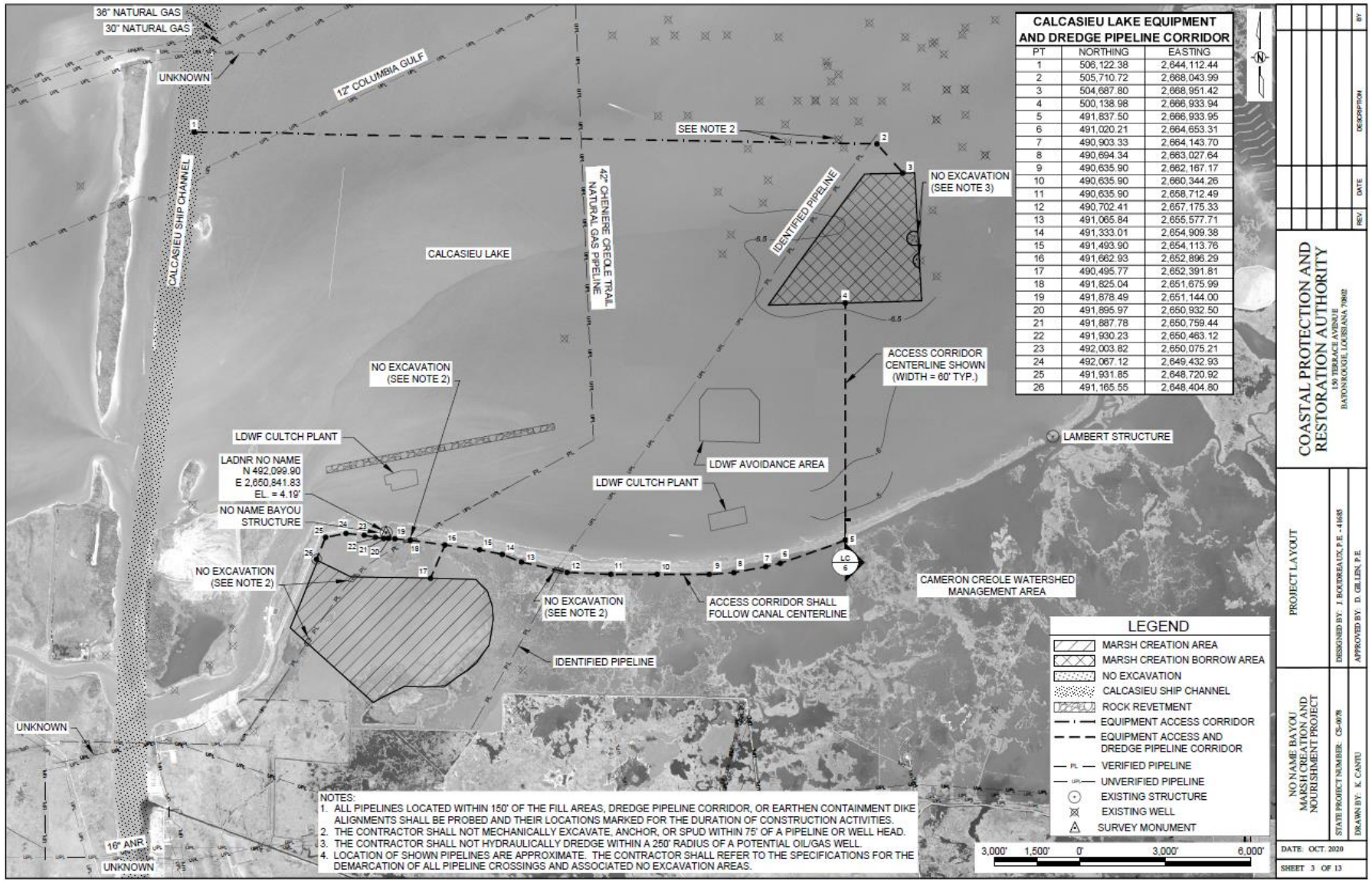
General Project Information





- Project Location: Calcasieu Basin, Cameron Parish
- Project Funding Source: CWPPRA
- Federal Sponsor: NOAA/NMFS

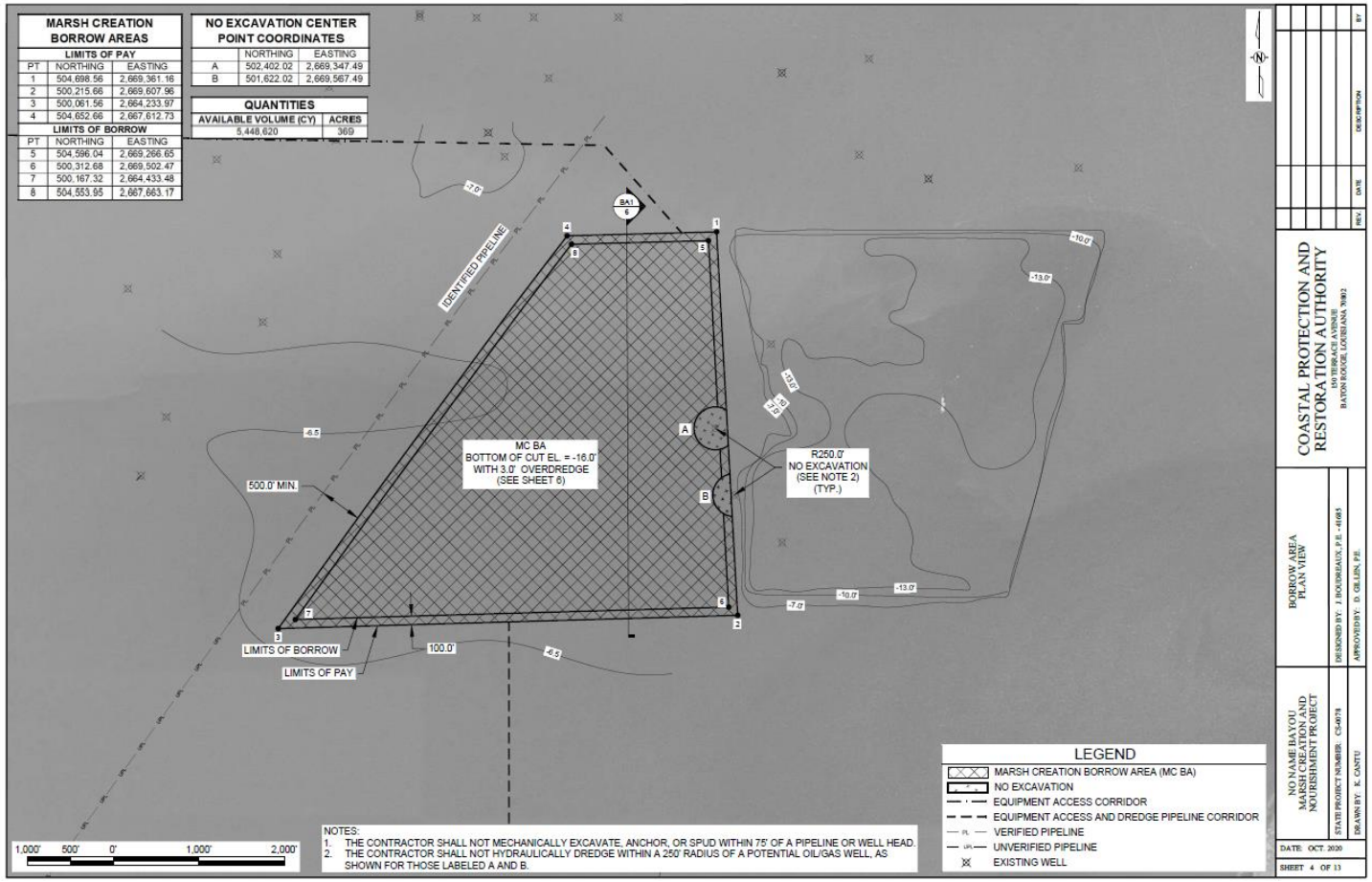
95% Design Project Layout

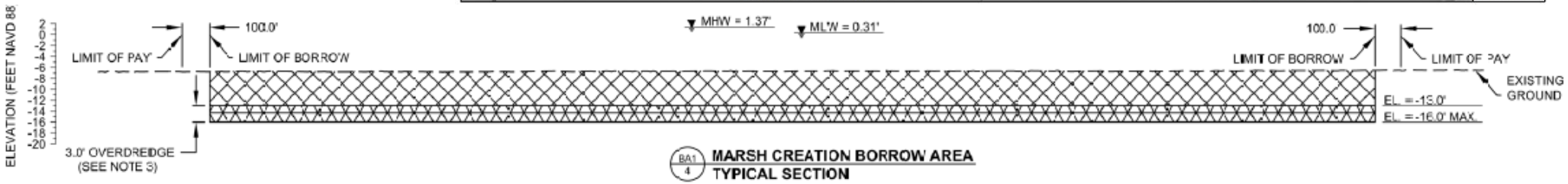


- Borrow Area – Calcasieu Lake
- Marsh Creation Area – south of Calcasieu Lake/Cameron Creole Watershed Levee
- Max pump distance = 5.5 miles
- Borrow Area equipment access from Calcasieu Ship Channel
- Calcasieu Lake contains Public Oyster Seed Grounds

Borrow Area

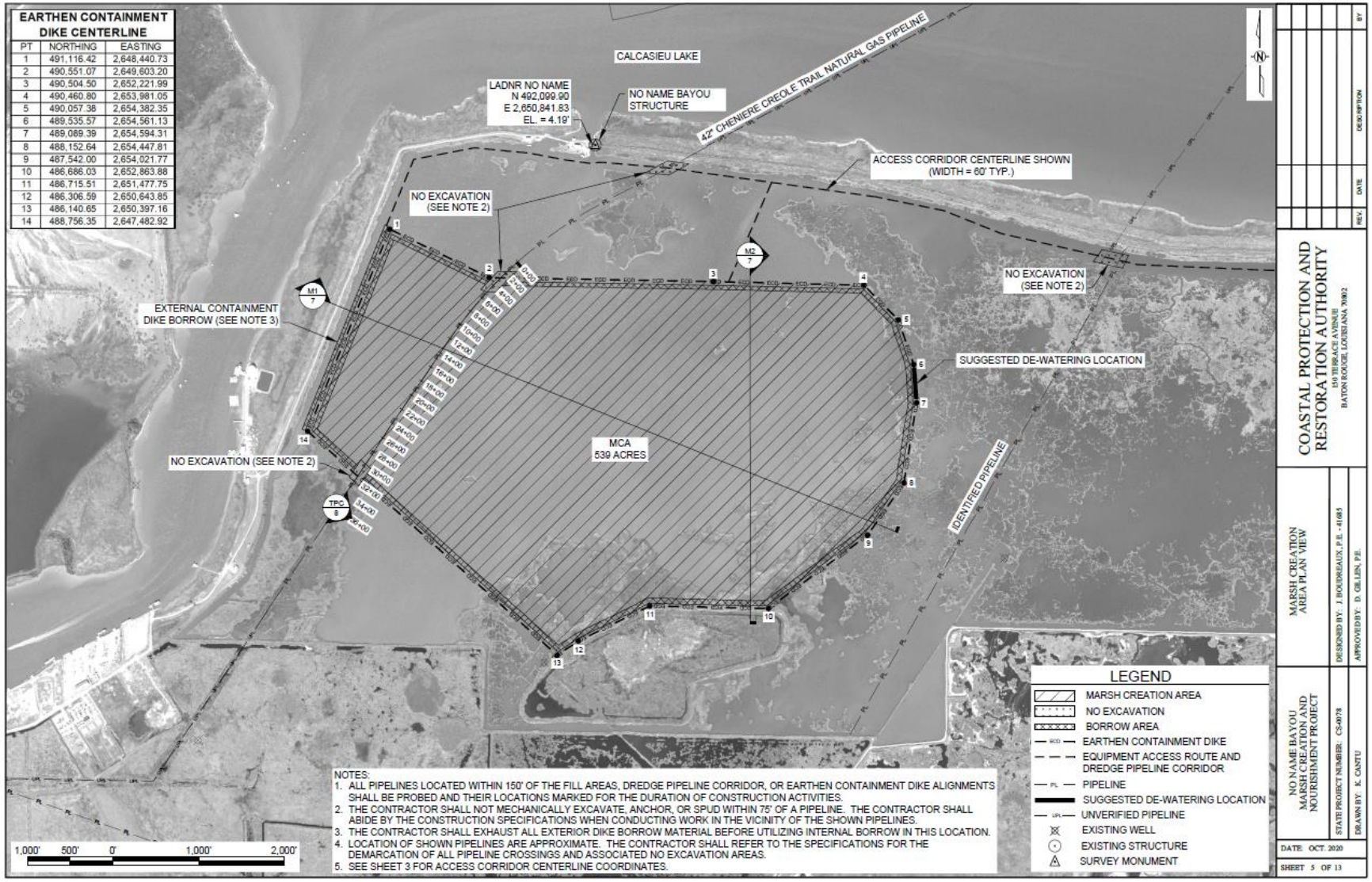
- 369 Acres
- Adjacent to CS-54 borrow area
- -6.0’ to -7.0’ EL.
- -13’ EL. cut depth with 3.0’ overdredge
- 5,448,620 available cubic yards
- 2 wells – no excavation zone (R250’)
- 1 unknown pipeline – 500 foot no excavation offset





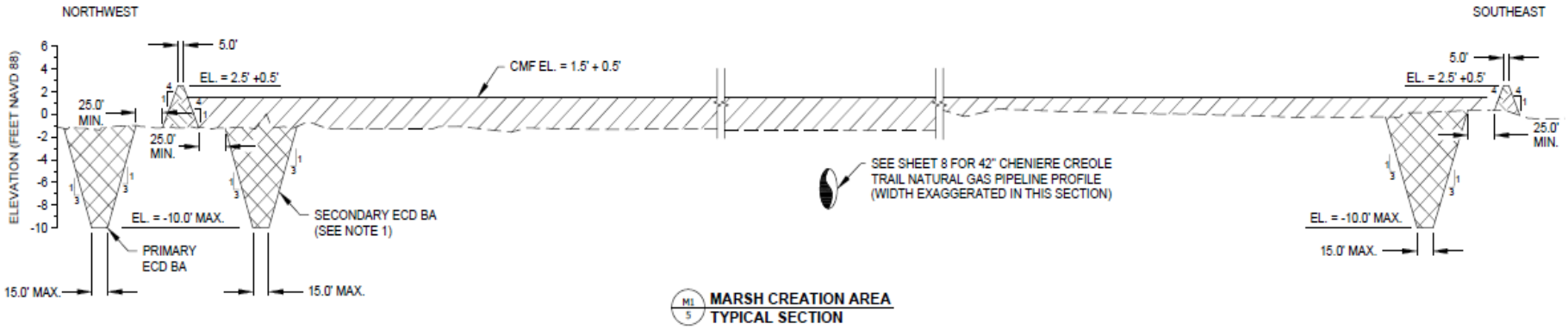
Marsh Creation Area

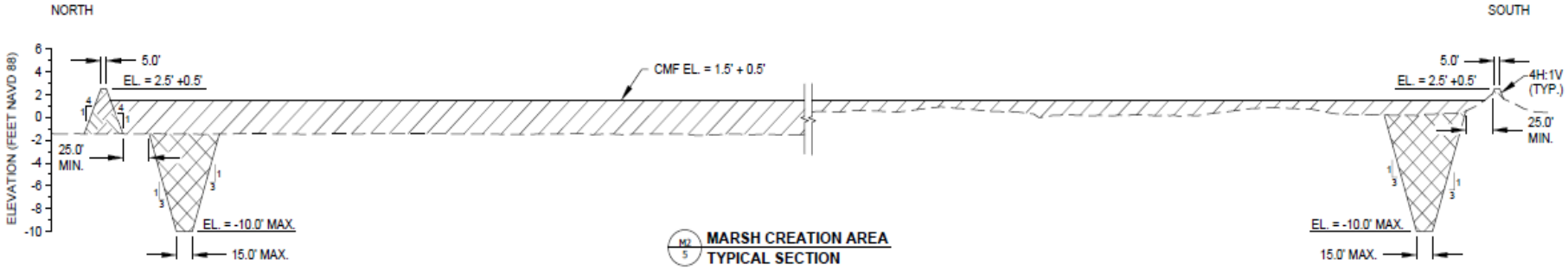
- 539 acres
- 19,500 LF Earthen Containment Dike
- External ECD borrow along western edge
- 1-42” Cheniere Creole Pipeline – 150’ no excavation zone for ECD
- Grade stakes, settlement plates, and instrumented settlement plates proposed



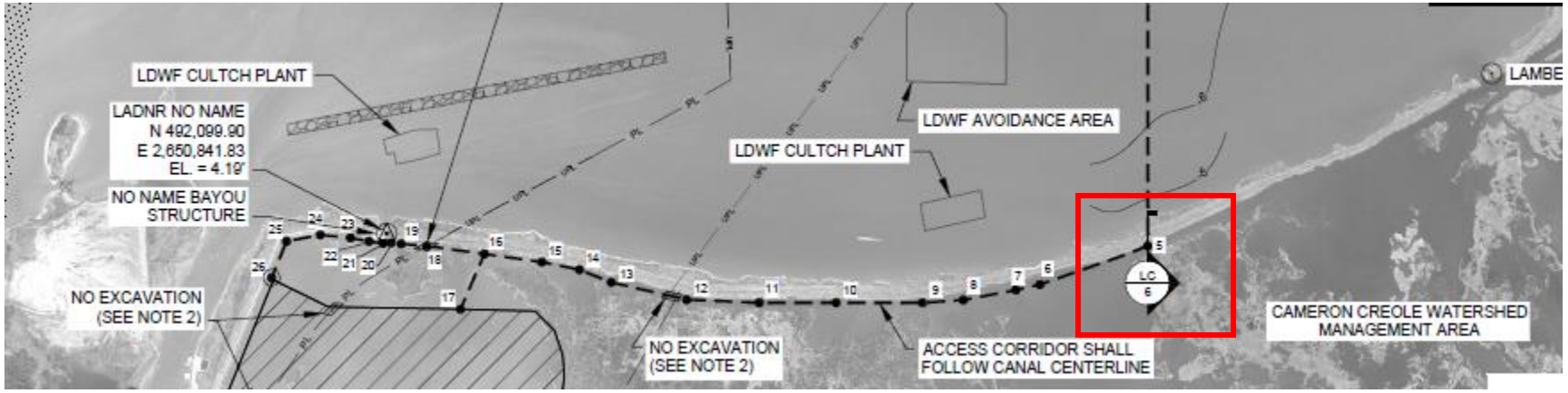
Marsh Creation Area

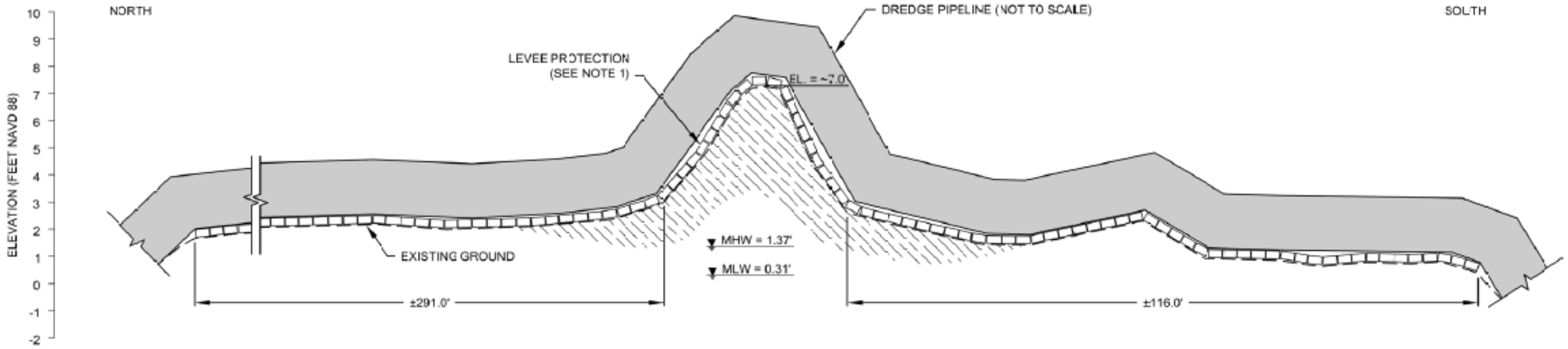
- **CMFE = 1.5’ +0.5’**
- **2,120,000 CY Fill**
- **Earthen Containment Dike**
  - Crown width = 5.0’
  - Crown EL. = 2.5’ +0.5’
  - Side slopes = 1V:4H
  - Exterior primary borrow along western edge of MCA





Cameron Creole Watershed Levee Crossing





LC 3 CAMERON CREOLE WATERSHED LEVEE CROSSING
TYPICAL SECTION

Estimated Quantities

Item No.	Description	Unit	Estimated Quantities
1	Mobilization/Demobilization	LS	1
2	Surveys	LS	1
3	Grade Stakes	EA	45
4	Settlement Plates	EA	10
5	Instrumented Settlement Plates	EA	6
6	Earthen Containment Dikes	LF	19,450
7	Hydraulic Dredging and Marsh Fill	CY	2,120,000

Schedule

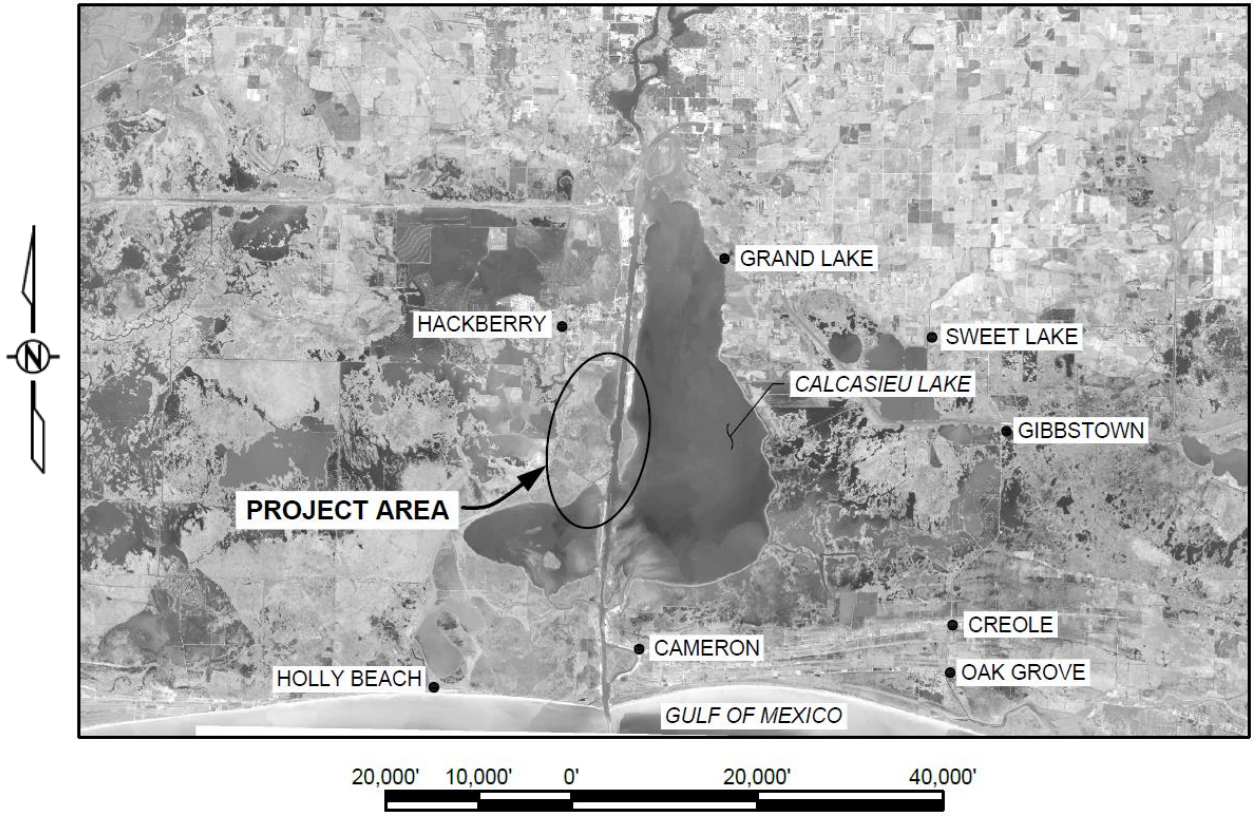
- Phase 2 Funding Approval – December 2021
- Permitting – In Progress
- Bid Package – In Progress
- Bid Advertisement – Fall/Winter 2022
- Anticipated Construction Duration – 537 days

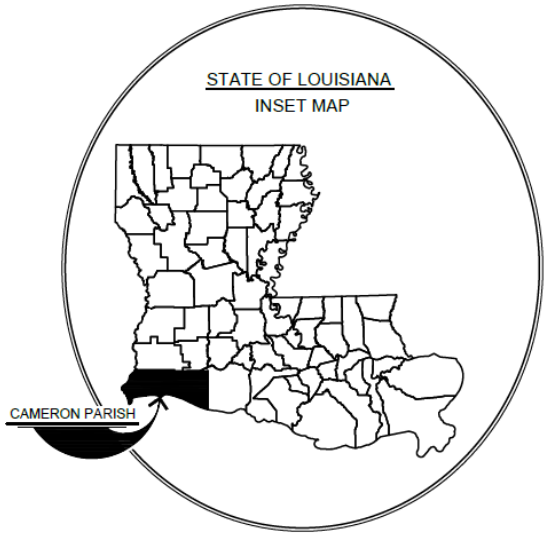
Long Point Bayou Marsh Creation Project (CS-0085)

CAMERON PARISH, LOUISIANA

KAZI SADID, P.E.

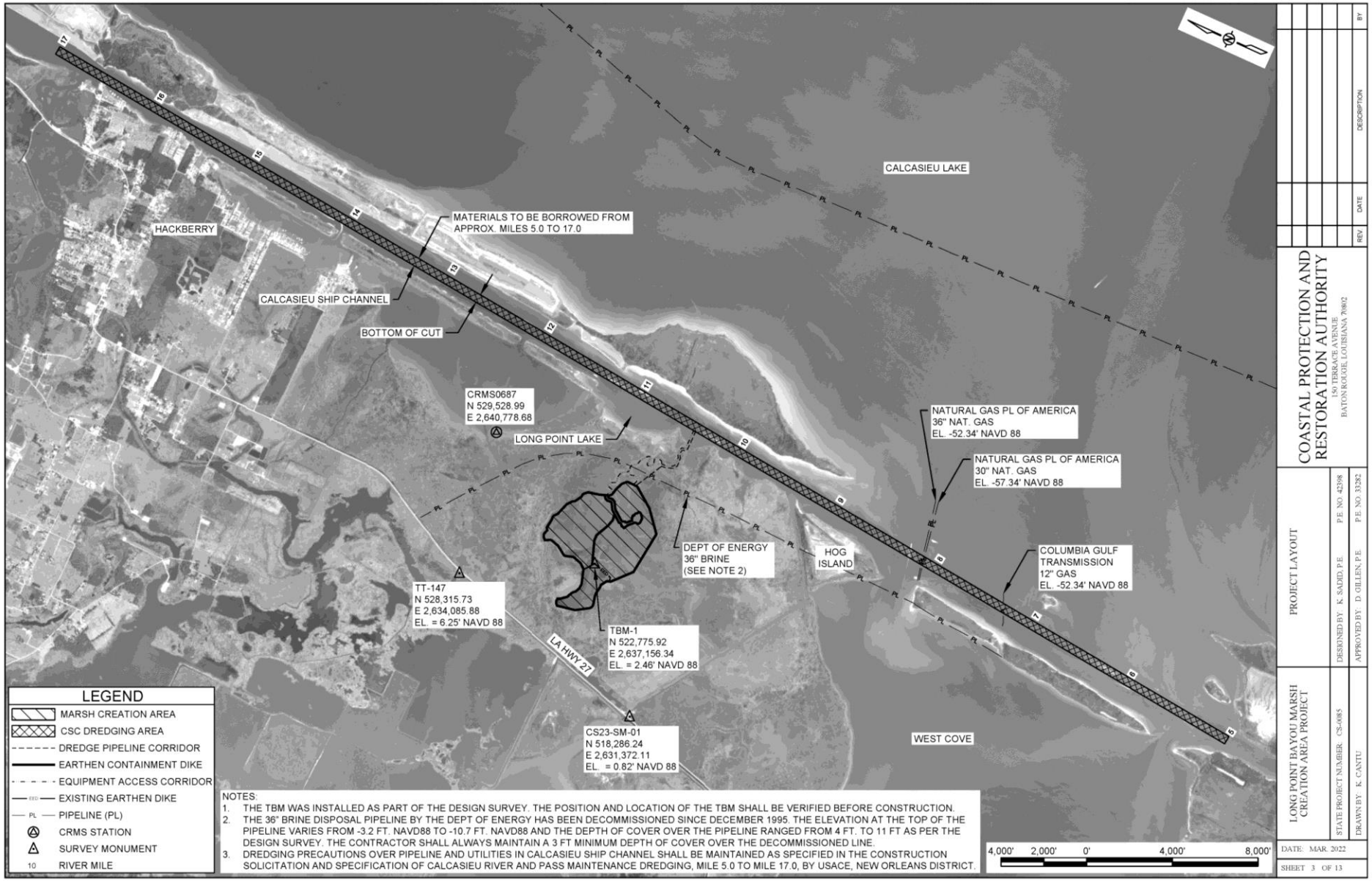
General Project Information





INFO	DESCRIPTION
LOCATION	Calcasieu Sabine Basin, Cameron Parish
FUNDING	Natural Resource Damage Assessment (NRDA) funds - LOSCO
PROJECT TYPE	Marsh Creation Project

Project Layout



The USACE, New Orleans District, will solicit and contract the Calcasieu River and Pass Maintenance Dredging

Plan View - MCA

EARTHEN CONTAINMENT DIKE 1

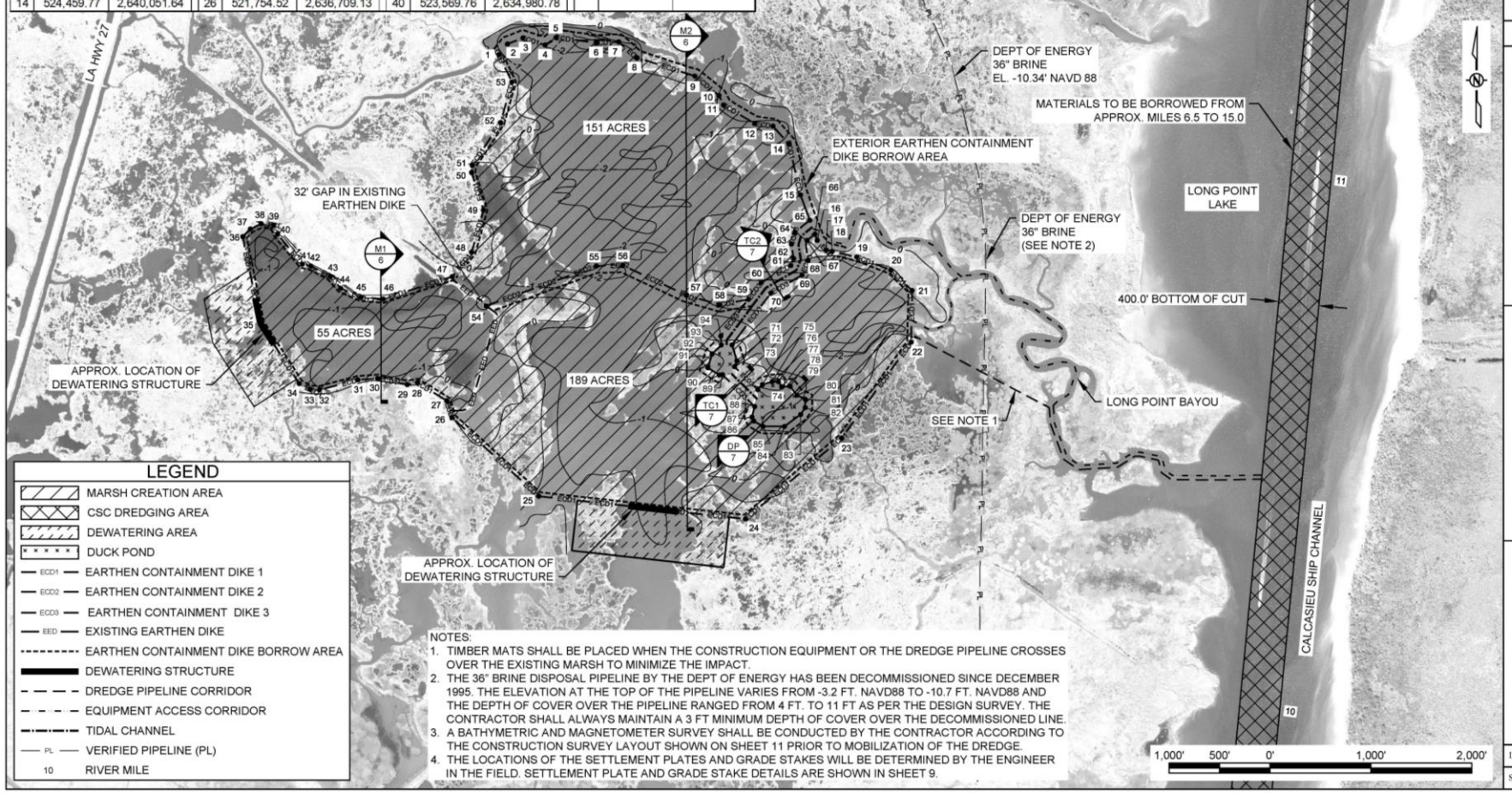
NO.	NORTHING	EASTING	NO.	NORTHING	EASTING	NO.	NORTHING	EASTING	NO.	NORTHING	EASTING
1	525,347.72	2,637,174.93	15	523,959.69	2,640,163.83	27	521,921.18	2,636,658.11	41	523,271.36	2,635,227.09
2	525,454.70	2,637,259.82	65	523,707.62	2,640,256.70	28	522,099.18	2,636,367.62	42	523,253.20	2,635,310.82
3	525,513.99	2,637,412.66	66	523,570.01	2,640,307.41	29	522,080.33	2,636,266.12	43	523,150.83	2,635,505.68
4	525,444.21	2,637,633.41	16	523,508.19	2,640,330.19	30	522,141.38	2,635,973.17	44	523,032.23	2,635,607.32
5	525,518.28	2,637,741.63	17	523,411.92	2,640,418.16	31	522,127.49	2,635,776.08	45	522,944.70	2,635,807.85
6	525,465.27	2,638,148.72	18	523,397.94	2,640,477.35	32	522,027.97	2,635,397.31	46	522,926.50	2,636,028.24
7	525,475.28	2,638,362.46	19	523,343.06	2,640,721.43	33	522,033.01	2,635,304.93	47	523,148.31	2,636,711.38
8	525,322.24	2,638,536.48	20	523,213.23	2,641,059.35	34	522,090.39	2,635,195.91	48	523,389.42	2,636,904.92
9	525,136.02	2,639,117.53	21	523,011.28	2,641,270.94	35	522,688.91	2,634,809.08	49	523,808.07	2,637,021.41
10	524,943.77	2,639,356.31	22	522,500.08	2,641,260.40	36	523,544.71	2,634,635.52	50	524,180.63	2,636,903.90
11	524,849.87	2,639,401.51	23	521,549.78	2,640,571.49	37	523,619.92	2,634,711.31	51	524,251.74	2,636,911.37
12	524,665.29	2,639,710.08	24	520,748.47	2,639,618.53	38	523,673.38	2,634,818.80	52	524,675.34	2,637,191.60
13	524,640.16	2,639,890.72	25	520,974.11	2,637,570.25	39	523,657.99	2,634,942.07	53	525,078.03	2,637,304.00
14	524,459.77	2,640,051.64	26	521,754.52	2,636,709.13	40	523,569.76	2,634,980.78			

EARTHEN CONTAINMENT DIKE 2

NO.	NORTHING	EASTING
54	522,858.60	2,637,049.06
55	523,254.12	2,638,140.79
56	523,260.00	2,638,403.60
57	522,965.25	2,639,031.49
58	522,870.02	2,639,364.39
59	522,921.91	2,639,646.96

EARTHEN CONTAINMENT DIKE 3

NO.	NORTHING	EASTING	NO.	NORTHING	EASTING	NO.	NORTHING	EASTING
59	522,921.91	2,639,646.96	71	522,474.31	2,639,485.43	83	521,784.16	2,640,165.56
60	523,090.56	2,639,775.51	72	522,318.00	2,639,533.50	84	521,666.22	2,640,005.21
61	523,259.76	2,640,068.51	73	522,257.73	2,639,510.52	85	521,666.22	2,639,793.59
62	523,327.16	2,640,095.99	74	522,030.96	2,639,739.83	86	521,719.41	2,639,700.82
63	523,471.17	2,640,074.12	75	522,081.34	2,639,786.84	87	521,758.53	2,639,682.28
64	523,588.31	2,640,108.40	76	522,110.15	2,639,883.13	88	521,862.54	2,639,711.04
65	523,707.62	2,640,256.70	77	522,111.05	2,639,944.09	89	522,178.92	2,639,391.11
66	523,570.01	2,640,307.41	78	522,057.63	2,639,978.67	90	522,176.30	2,639,358.09
67	523,507.38	2,640,229.56	79	522,064.97	2,640,060.60	91	522,248.01	2,639,246.44
68	523,310.15	2,640,239.16	80	521,975.20	2,640,128.80	92	522,384.24	2,639,288.11
69	523,163.20	2,640,179.26	81	521,936.06	2,640,210.33	93	522,473.04	2,639,379.13
70	522,984.13	2,639,869.16	82	521,852.80	2,640,210.33	94	522,558.79	2,639,374.14



LEGEND

- MARSH CREATION AREA
- CSC DREDGING AREA
- DEWATERING AREA
- DUCK POND
- ECD1 — EARTHEN CONTAINMENT DIKE 1
- ECD2 — EARTHEN CONTAINMENT DIKE 2
- ECD3 — EARTHEN CONTAINMENT DIKE 3
- EED — EXISTING EARTHEN DIKE
- EARTHEN CONTAINMENT DIKE BORROW AREA
- DEWATERING STRUCTURE
- DREDGE PIPELINE CORRIDOR
- EQUIPMENT ACCESS CORRIDOR
- TIDAL CHANNEL
- PL — VERIFIED PIPELINE (PL)
- 10 — RIVER MILE

NOTES:

1. TIMBER MATS SHALL BE PLACED WHEN THE CONSTRUCTION EQUIPMENT OR THE DREDGE PIPELINE CROSSES OVER THE EXISTING MARSH TO MINIMIZE THE IMPACT.
2. THE 36" BRINE DISPOSAL PIPELINE BY THE DEPT OF ENERGY HAS BEEN DECOMMISSIONED SINCE DECEMBER 1995. THE ELEVATION AT THE TOP OF THE PIPELINE VARIES FROM -3.2 FT. NAVD88 TO -10.7 FT. NAVD88 AND THE DEPTH OF COVER OVER THE PIPELINE RANGED FROM 4 FT. TO 11 FT AS PER THE DESIGN SURVEY. THE CONTRACTOR SHALL ALWAYS MAINTAIN A 3 FT MINIMUM DEPTH OF COVER OVER THE DECOMMISSIONED LINE.
3. A BATHYMETRIC AND MAGNETOMETER SURVEY SHALL BE CONDUCTED BY THE CONTRACTOR ACCORDING TO THE CONSTRUCTION SURVEY LAYOUT SHOWN ON SHEET 11 PRIOR TO MOBILIZATION OF THE DREDGE.
4. THE LOCATIONS OF THE SETTLEMENT PLATES AND GRADE STAKES WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. SETTLEMENT PLATE AND GRADE STAKE DETAILS ARE SHOWN IN SHEET 9.

REV	DATE	DESCRIPTION	BY

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

MARSH CREATION AREA LAYOUT

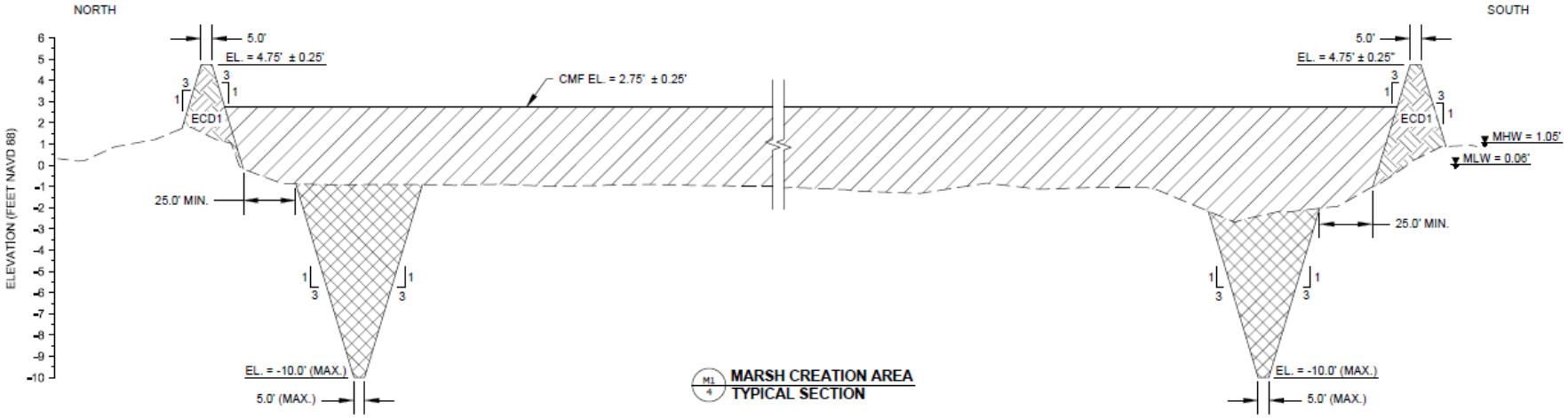
DESIGNED BY: K. SADID, P.E. P.E. NO. 42398
APPROVED BY: D. GILLEN, P.E. P.E. NO. 33282

LONG POINT BAYOU MARSH CREATION AREA PROJECT

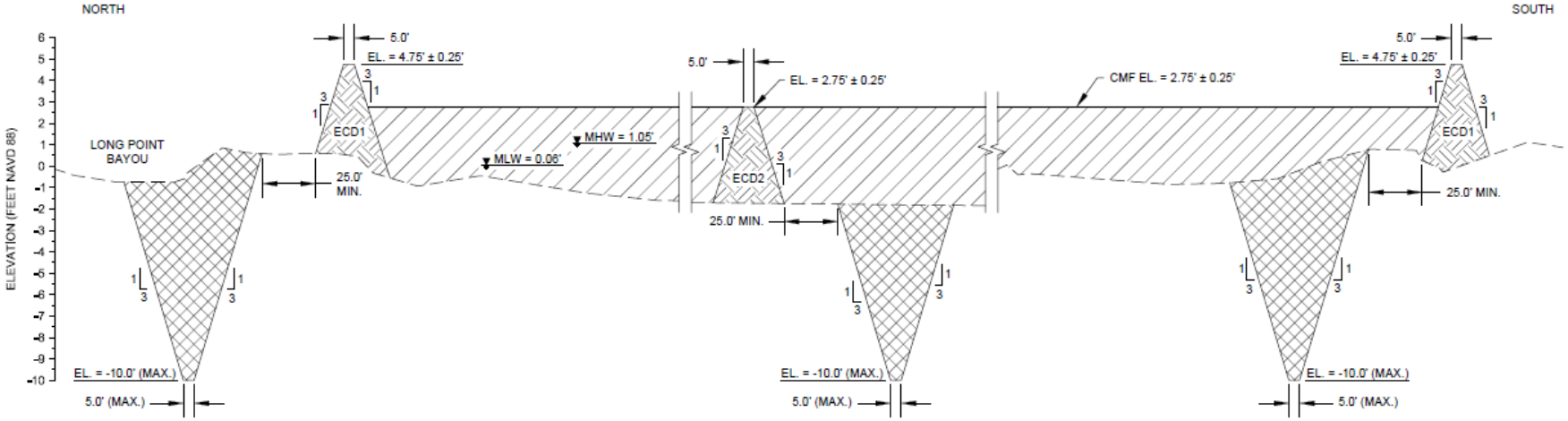
STATE PROJECT NUMBER: CS-0085
DRAWN BY: K. CANTU

DATE: MAR. 2022
SHEET 4 OF 13

Typical Sections - MCA



M1 / 4 MARSH CREATION AREA TYPICAL SECTION



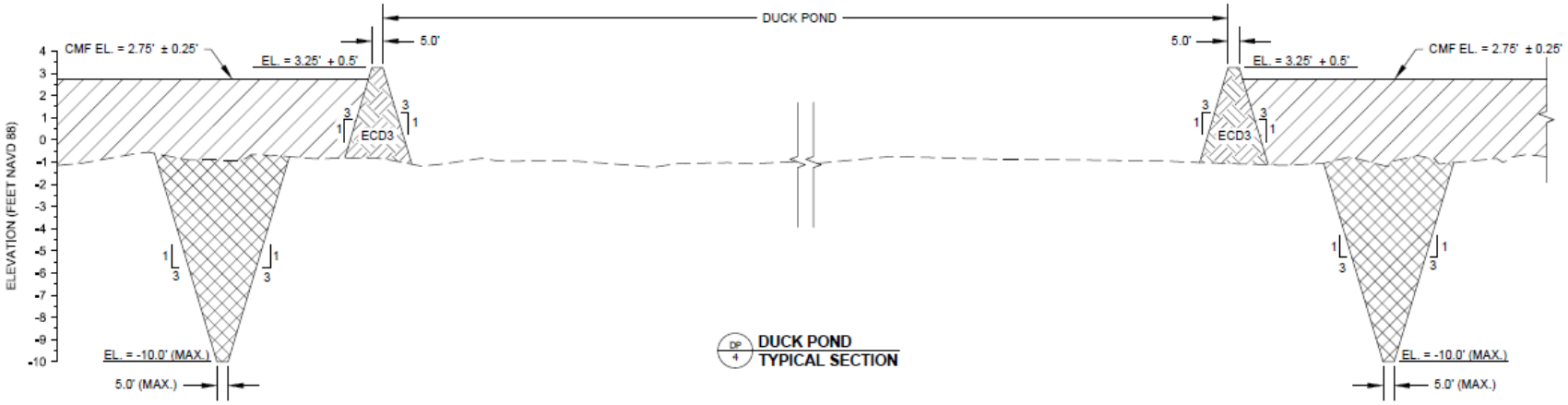
M2 / 4 MARSH CREATION AREA TYPICAL SECTION

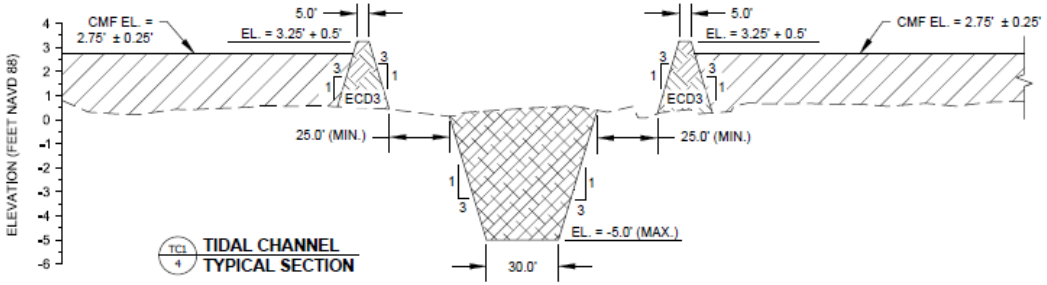
HORIZONTAL GRAPHIC SCALE
50' 25' 0 50' 100'
5' 2.5' 0 5' 10'
VERTICAL GRAPHIC SCALE

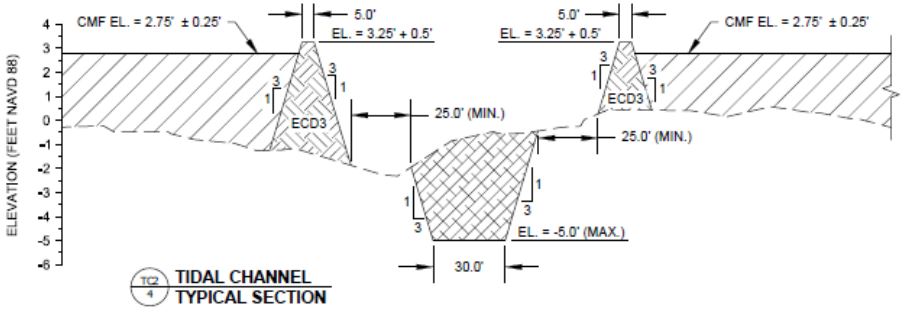
NOTES:
1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2 FT. OF FREEBOARD FROM THE CMFE TO THE EARTHEN CONTAINMENT DIKE CREST ELEVATION.

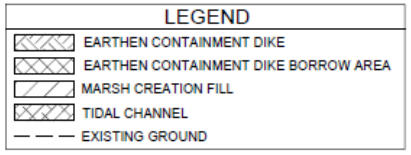
LEGEND
- EARTHEN CONTAINMENT DIKE
- EARTHEN CONTAINMENT DIKE BORROW AREA
- MARSH CREATION FILL
- EXISTING GROUND

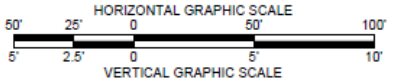
Typical Sections – Ponds and Tidal Channel



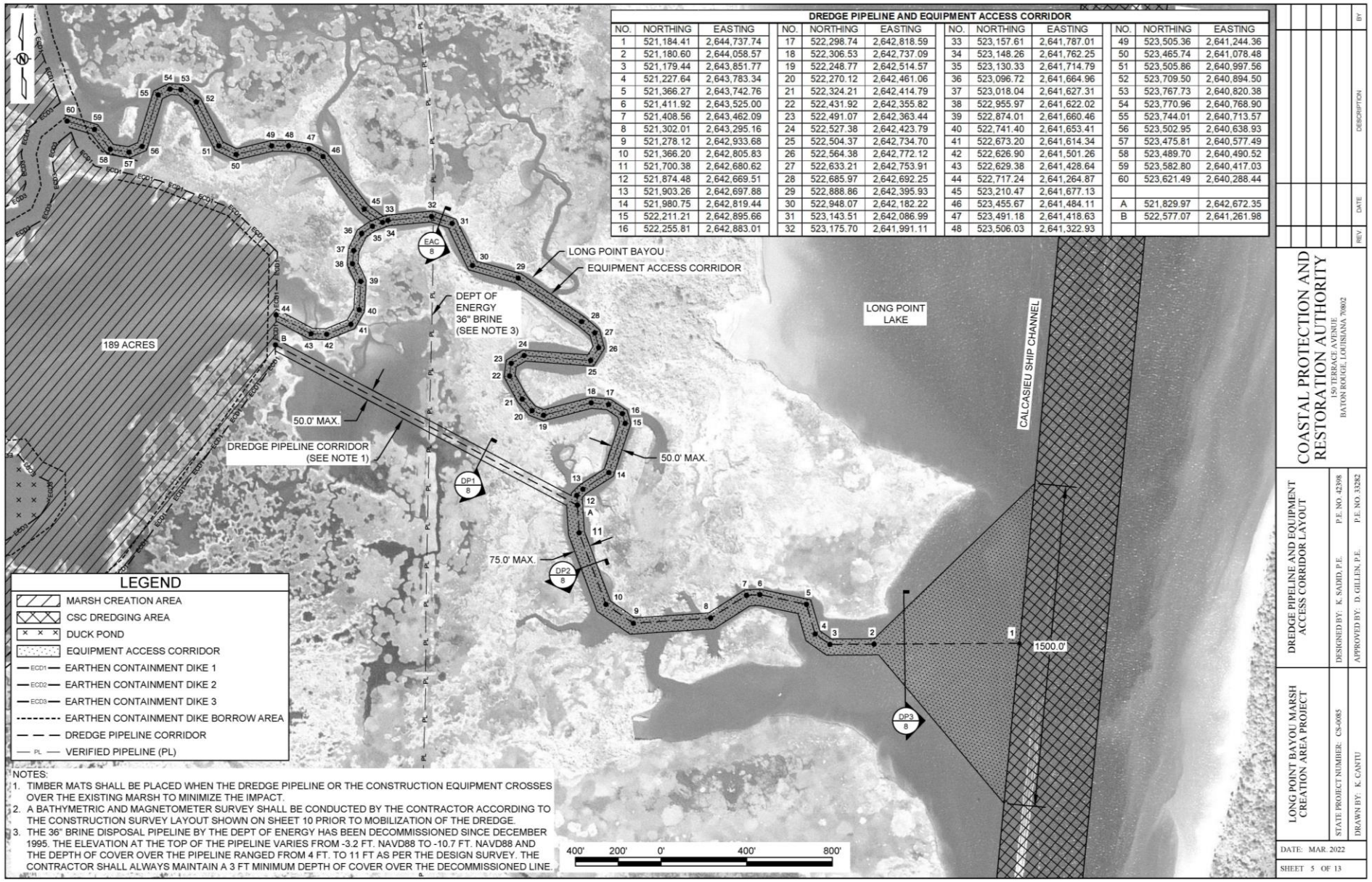








Equipment Access Corridor



DREDGE PIPELINE AND EQUIPMENT ACCESS CORRIDOR

NO.	NORTHING	EASTING	NO.	NORTHING	EASTING	NO.	NORTHING	EASTING	NO.	NORTHING	EASTING
1	521,184.41	2,644,737.74	17	522,298.74	2,642,818.59	33	523,157.61	2,641,787.01	49	523,505.36	2,641,244.36
2	521,180.60	2,644,058.57	18	522,306.53	2,642,737.09	34	523,148.26	2,641,762.25	50	523,465.74	2,641,078.48
3	521,179.44	2,643,851.77	19	522,248.77	2,642,514.57	35	523,130.33	2,641,714.79	51	523,505.86	2,640,997.56
4	521,227.64	2,643,783.34	20	522,270.12	2,642,461.06	36	523,096.72	2,641,664.96	52	523,709.50	2,640,894.50
5	521,366.27	2,643,742.76	21	522,324.21	2,642,414.79	37	523,018.04	2,641,627.31	53	523,767.73	2,640,820.38
6	521,411.92	2,643,525.00	22	522,431.92	2,642,355.82	38	522,955.97	2,641,622.02	54	523,770.96	2,640,768.90
7	521,408.56	2,643,462.09	23	522,491.07	2,642,363.44	39	522,874.01	2,641,660.46	55	523,744.01	2,640,713.57
8	521,302.01	2,643,295.16	24	522,527.38	2,642,423.79	40	522,741.40	2,641,653.41	56	523,502.95	2,640,638.93
9	521,278.12	2,642,933.68	25	522,504.37	2,642,734.70	41	522,673.20	2,641,614.34	57	523,475.81	2,640,577.49
10	521,366.20	2,642,805.83	26	522,564.38	2,642,772.12	42	522,626.90	2,641,501.26	58	523,489.70	2,640,490.52
11	521,700.38	2,642,680.62	27	522,633.21	2,642,753.91	43	522,629.38	2,641,428.64	59	523,582.80	2,640,417.03
12	521,874.48	2,642,669.51	28	522,685.97	2,642,692.25	44	522,717.24	2,641,264.87	60	523,621.49	2,640,288.44
13	521,903.26	2,642,697.88	29	522,888.86	2,642,395.93	45	523,210.47	2,641,677.13			
14	521,980.75	2,642,819.44	30	522,948.07	2,642,182.22	46	523,455.67	2,641,484.11	A	521,829.97	2,642,672.35
15	522,211.21	2,642,895.66	31	523,143.51	2,642,086.99	47	523,491.18	2,641,418.63	B	522,577.07	2,641,261.98
16	522,255.81	2,642,883.01	32	523,175.70	2,641,991.11	48	523,506.03	2,641,322.93			

NOTES:
1. TIMBER MATS SHALL BE PLACED WHEN THE DREDGE PIPELINE OR THE CONSTRUCTION EQUIPMENT CROSSES OVER THE EXISTING MARSH TO MINIMIZE THE IMPACT.
2. A BATHYMETRIC AND MAGNETOMETER SURVEY SHALL BE CONDUCTED BY THE CONTRACTOR ACCORDING TO THE CONSTRUCTION SURVEY LAYOUT SHOWN ON SHEET 10 PRIOR TO MOBILIZATION OF THE DREDGE.
3. THE 36" BRINE DISPOSAL PIPELINE BY THE DEPT OF ENERGY HAS BEEN DECOMMISSIONED SINCE DECEMBER 1995. THE ELEVATION AT THE TOP OF THE PIPELINE VARIES FROM -3.2 FT. NAVD88 TO -10.7 FT. NAVD88 AND THE DEPTH OF COVER OVER THE PIPELINE RANGED FROM 4 FT. TO 11 FT AS PER THE DESIGN SURVEY. THE CONTRACTOR SHALL ALWAYS MAINTAIN A 3 FT MINIMUM DEPTH OF COVER OVER THE DECOMMISSIONED LINE.

REV	DATE	DESCRIPTION	BY

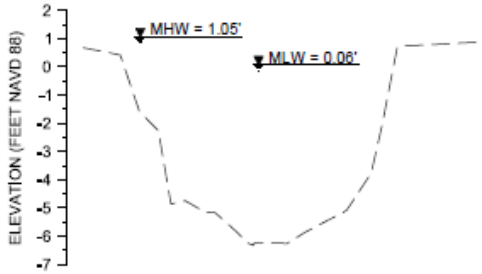
COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

DREDGE PIPELINE AND EQUIPMENT ACCESS CORRIDOR LAYOUT
DESIGNED BY: K. SADID, P.E. P.E. NO. 42398
APPROVED BY: D. GILLEN, P.E. P.E. NO. 33282

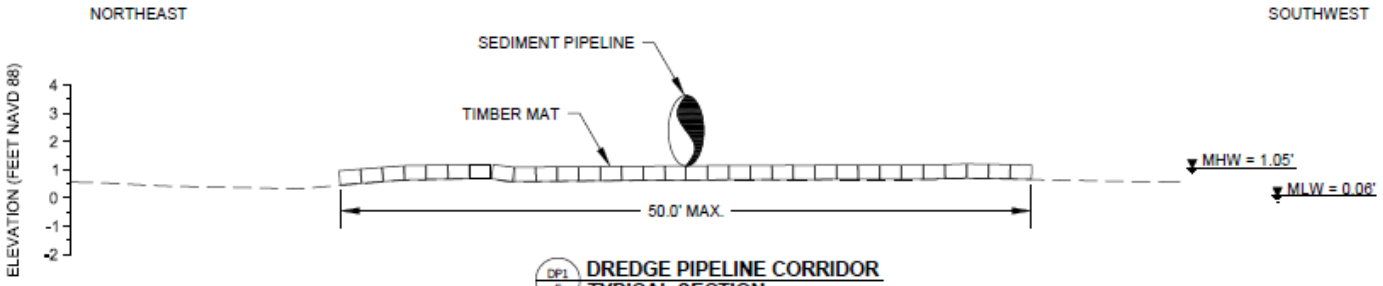
LONG POINT BAYOU MARSH CREATION AREA PROJECT
STATE PROJECT NUMBER: CS-0085
DRAWN BY: K. CANTU

DATE: MAR. 2022
SHEET 5 OF 13

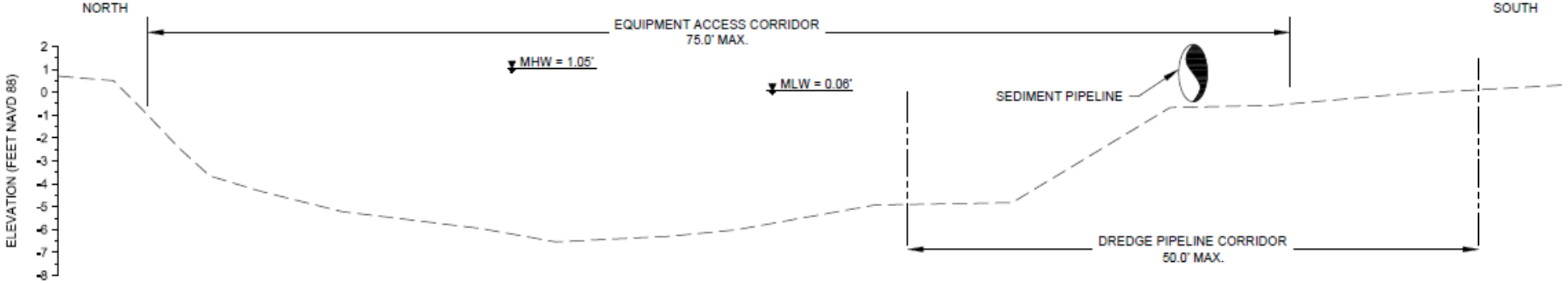
Typical Sections – Access Corridor



EAC 5 EQUIPMENT ACCESS CORRIDOR TYPICAL SECTION



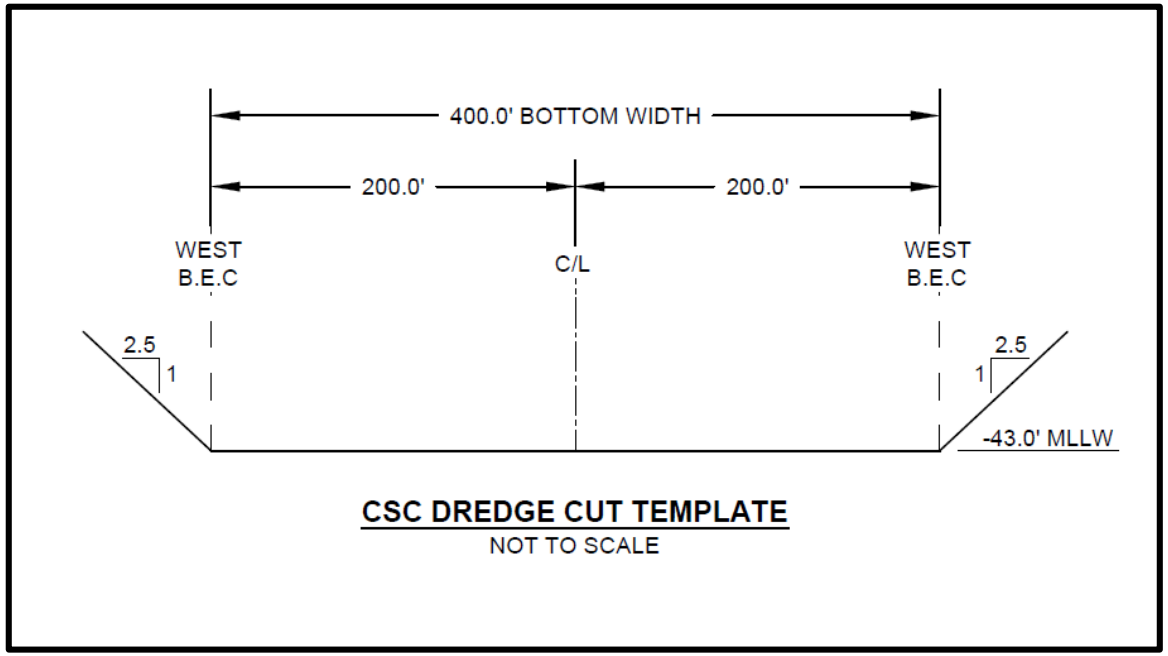
DP1 5 DREDGE PIPELINE CORRIDOR TYPICAL SECTION



DP2 5 DREDGE PIPELINE CORRIDOR TYPICAL SECTION

- Dredge pipe shall be placed at the land/water interface in Long Point Bayou with the top of pipe above MHW
- Timber mat shall be placed when/if the dredge pipe and/or the construction equipment crosses over the existing marsh

Typical Section – Calcasieu Ship Channel



- Detailed drawing and specification for Calcasieu Ship Channel dredging will be provided in the USACE contract document

Notable Quantities

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY[1]
1	MOBILIZATION AND DEMOBILIZATION (TS-100)	LUMP SUM	1
2	HYDRAULIC DREDGING AND MARSH FILL (TS-400)	CUBIC YARD	1,441,000
3	EARTHEN CONTAINMENT DIKES (TS-300)	LINEAR FOOT	28,293
4	SETTLEMENT PLATES (TS-250)	EACH	14
5	GRADE STAKES (TS-220)	EACH	40
6	CONSTRUCTION SURVEYS (TS-200)	LUMP SUM	1
7	DAILY BIRD ABATEMENT (TS-211)	DAY	113

- The volume dredged from the Lower Calcasieu Ship Channel is higher than the volume required for the MCA
- The dredging quantity in the lower CSC varies year to year and ranged between 2.5 and 4 MCY in recent years
- Hydraulic dredging quantity is based on the Borrow Area (Calcasieu Ship Channel) cut volumes
- The owner reserves the right to adjust the quantities 25% higher or lower without adjustment of the unit price

Schedule

Funding: 2006 Calcasieu River Oil Spill NRDA

Permitting: In progress

Landrights/Servitude Agreements: In progress

Advertisement: Summer 2022

Contract Award: August 2022

Contract Completion: 22 June 2023*
*Contract for Mile 5-17 typically take 8 to 12 months to complete.

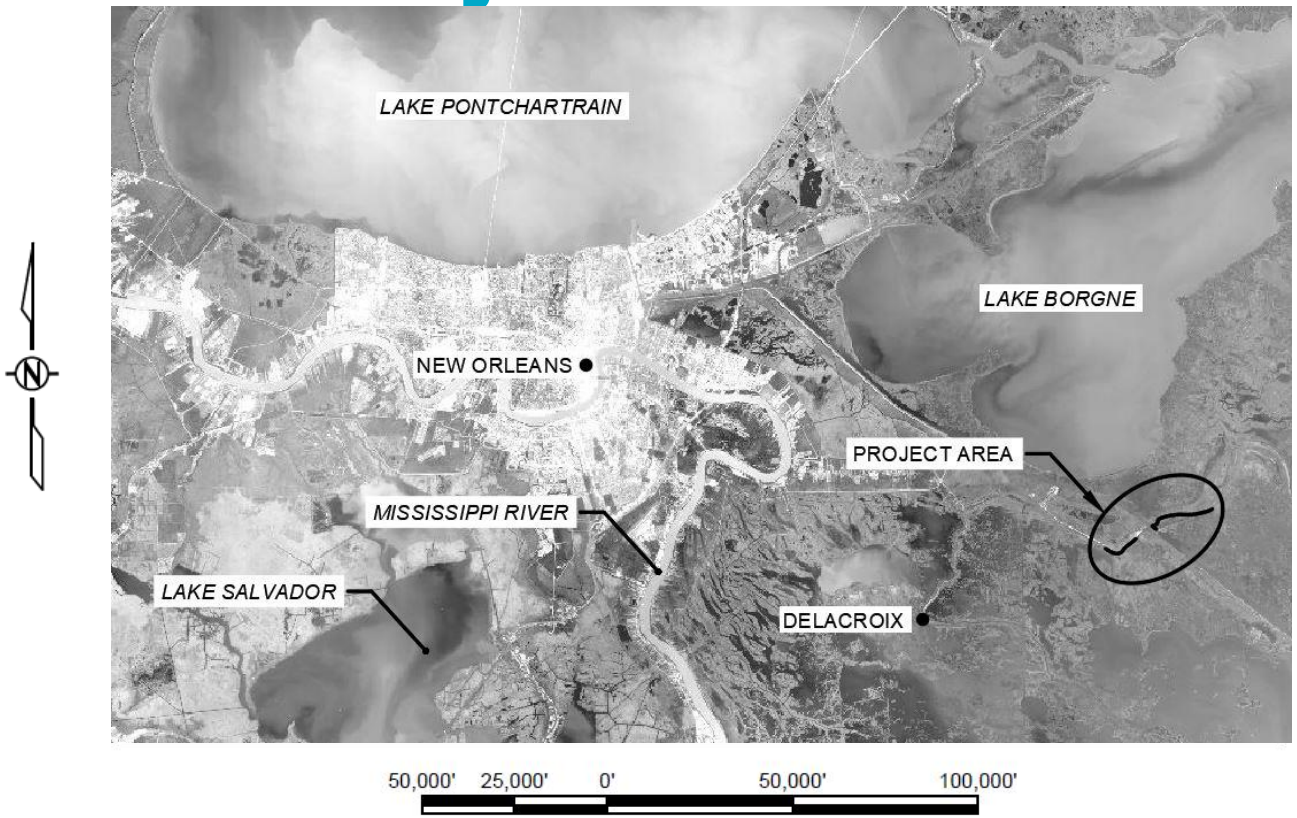
Construction Duration:
- Approx. 300 days

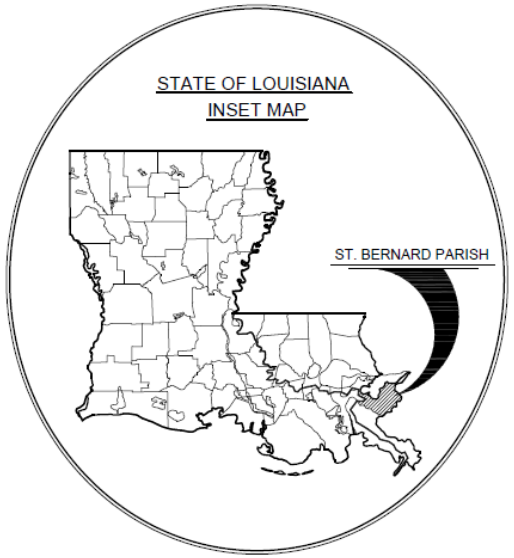
Bayou La Loutre Ridge Restoration Project (PO-0178)

ST. BERNARD PARISH, LOUISIANA

KAZI SADID, P.E.

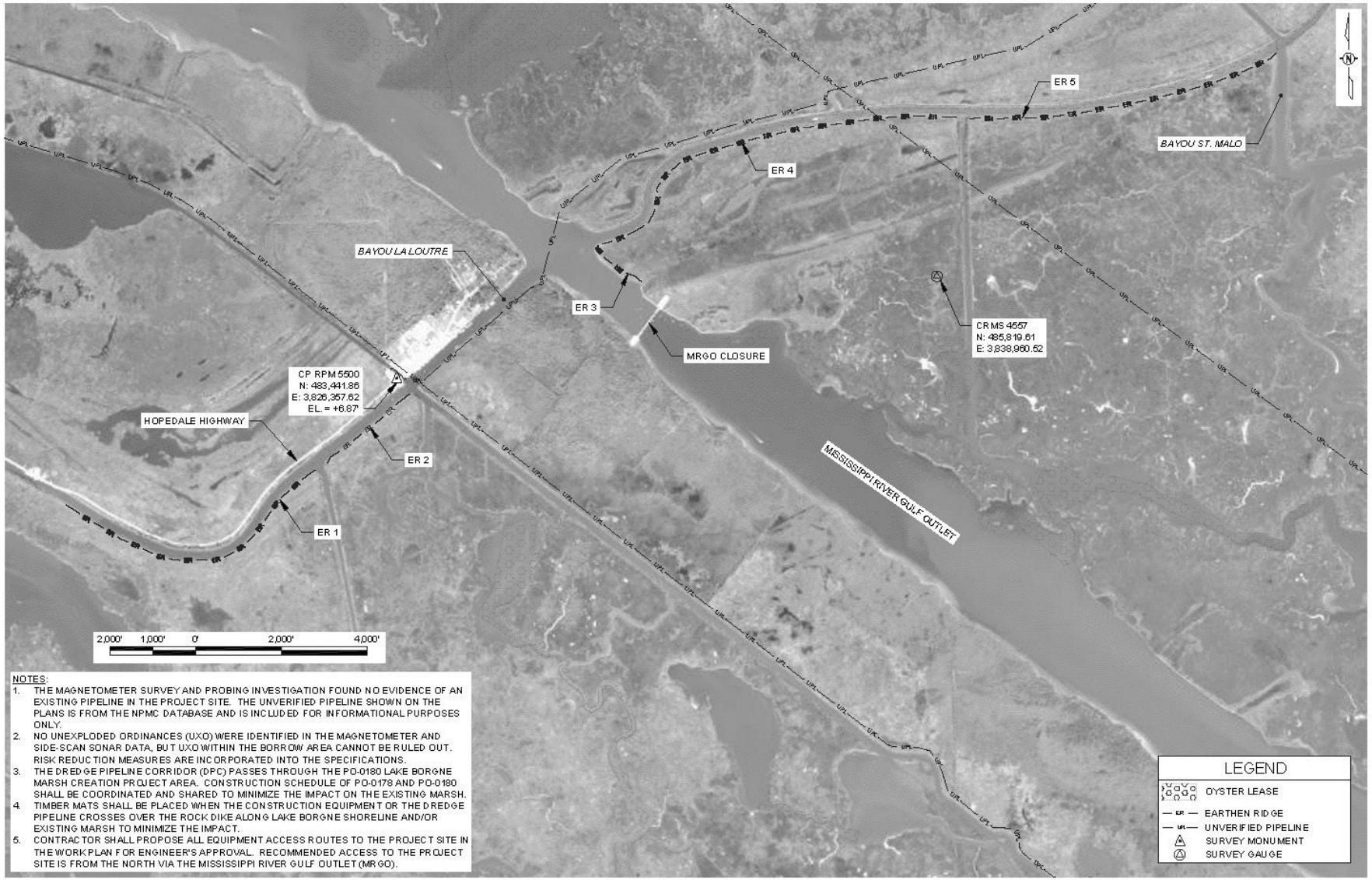
General Project Information





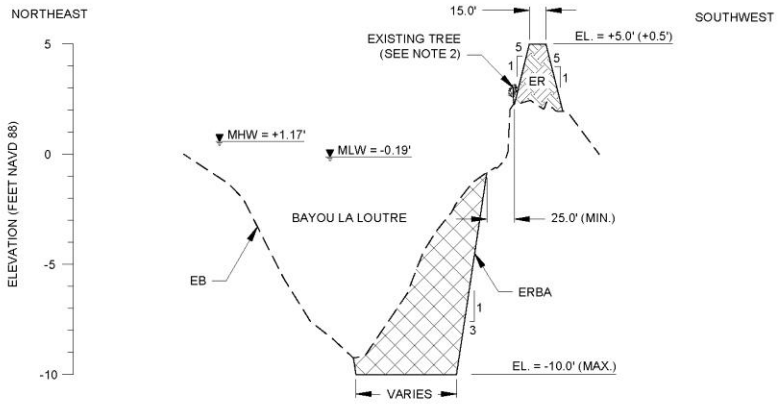
INFO	DESCRIPTION
LOCATION	Pontchartrain Basin, St. Bernard Parish
FUNDING	Natural Resource Damage Assessment (NRDA) funds (proposed)
PROJECT TYPE	Ridge Restoration Project

Project Layout

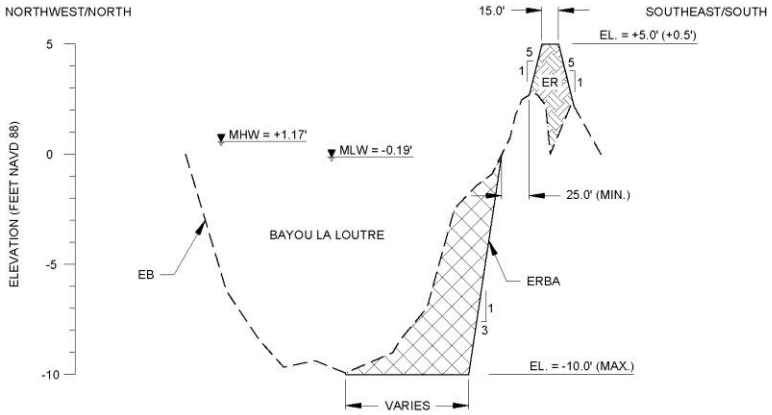


- This project will restore approximately 5.25 miles or 27,741 linear feet of earthen ridge along the south bank of Bayou La Loutre
- Recommended access to the project site is from the north via the MRGO

Typical Sections

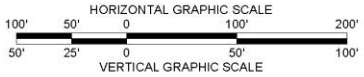


TS1 6,7 EARTHEN RIDGE TYPICAL SECTION



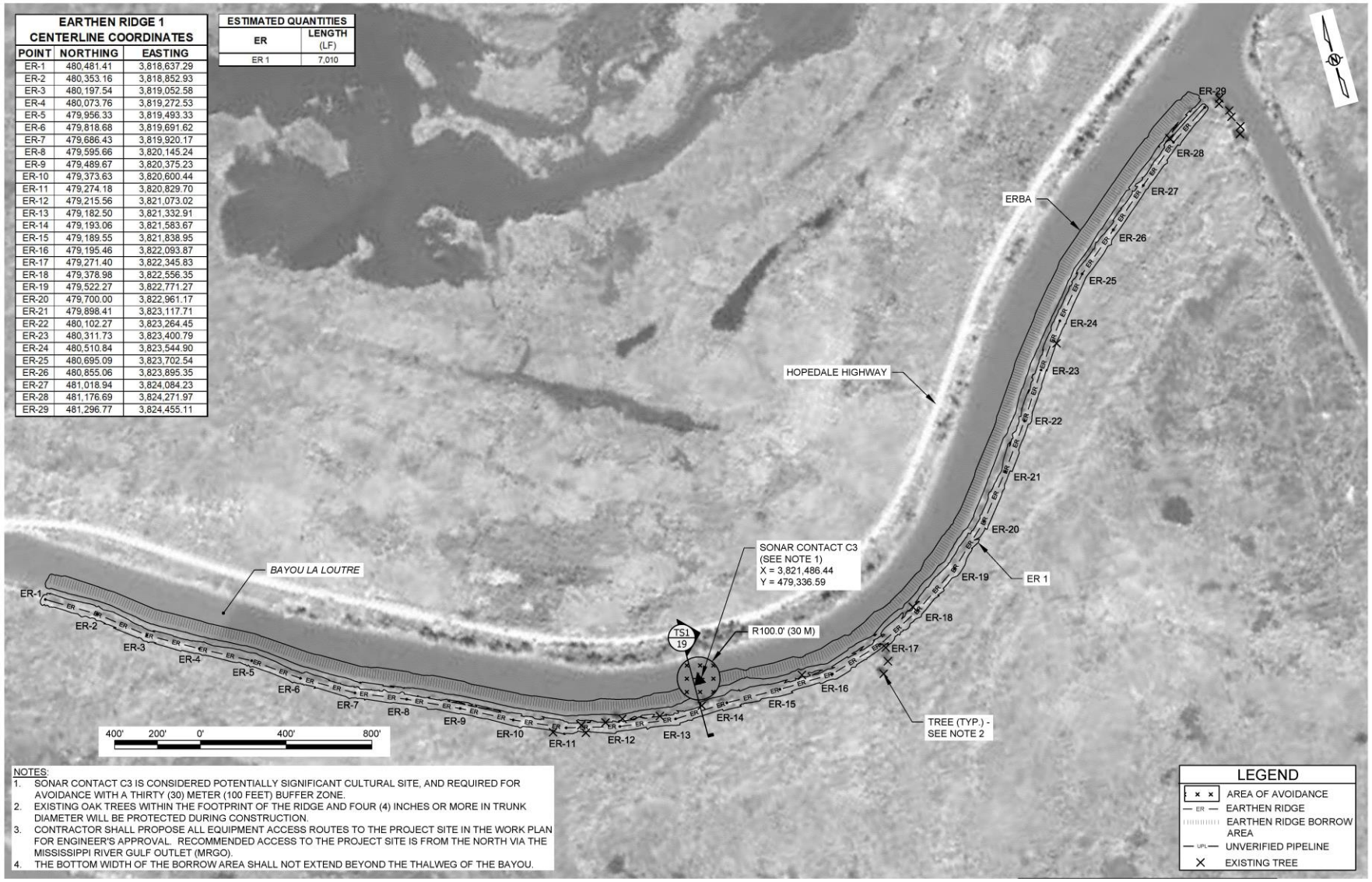
TS2 8,9 EARTHEN RIDGE TYPICAL SECTION

NOTES:
1. EXISTING OAK TREES WITHIN THE FOOTPRINT OF THE RIDGE AND FOUR (4) INCHES OR MORE IN TRUNK DIAMETER WILL BE PROTECTED DURING CONSTRUCTION.
2. THE BOTTOM WIDTH OF THE BORROW AREA SHALL NOT EXTEND BEYOND THE THALWEG OF THE BAYOU.



- The materials will be borrowed from Bayou La Loutre dredging down to the elevation -10 feet NAVD88
- The top elevation, the crest width, and the side slopes of the ridge are +5.0 ft NAVD88, 15 feet, and 5H:1V, respectively.

Plan View – Earthen Ridge 1



EARTHEN RIDGE 1 CENTERLINE COORDINATES

POINT	NORTHING	EASTING
ER-1	480,481.41	3,818,637.29
ER-2	480,353.16	3,818,852.93
ER-3	480,197.54	3,819,052.58
ER-4	480,073.76	3,819,272.53
ER-5	479,956.33	3,819,493.33
ER-6	479,818.68	3,819,691.62
ER-7	479,686.43	3,819,920.17
ER-8	479,595.66	3,820,145.24
ER-9	479,489.67	3,820,375.23
ER-10	479,373.63	3,820,600.44
ER-11	479,274.18	3,820,829.70
ER-12	479,215.56	3,821,073.02
ER-13	479,182.50	3,821,332.91
ER-14	479,193.06	3,821,583.67
ER-15	479,189.55	3,821,838.95
ER-16	479,195.46	3,822,093.87
ER-17	479,271.40	3,822,345.83
ER-18	479,378.98	3,822,556.35
ER-19	479,522.27	3,822,771.27
ER-20	479,700.00	3,822,961.17
ER-21	479,898.41	3,823,117.71
ER-22	480,102.27	3,823,264.45
ER-23	480,311.73	3,823,400.79
ER-24	480,510.84	3,823,544.90
ER-25	480,695.09	3,823,702.54
ER-26	480,855.06	3,823,895.35
ER-27	481,018.94	3,824,084.23
ER-28	481,176.69	3,824,271.97
ER-29	481,296.77	3,824,455.11

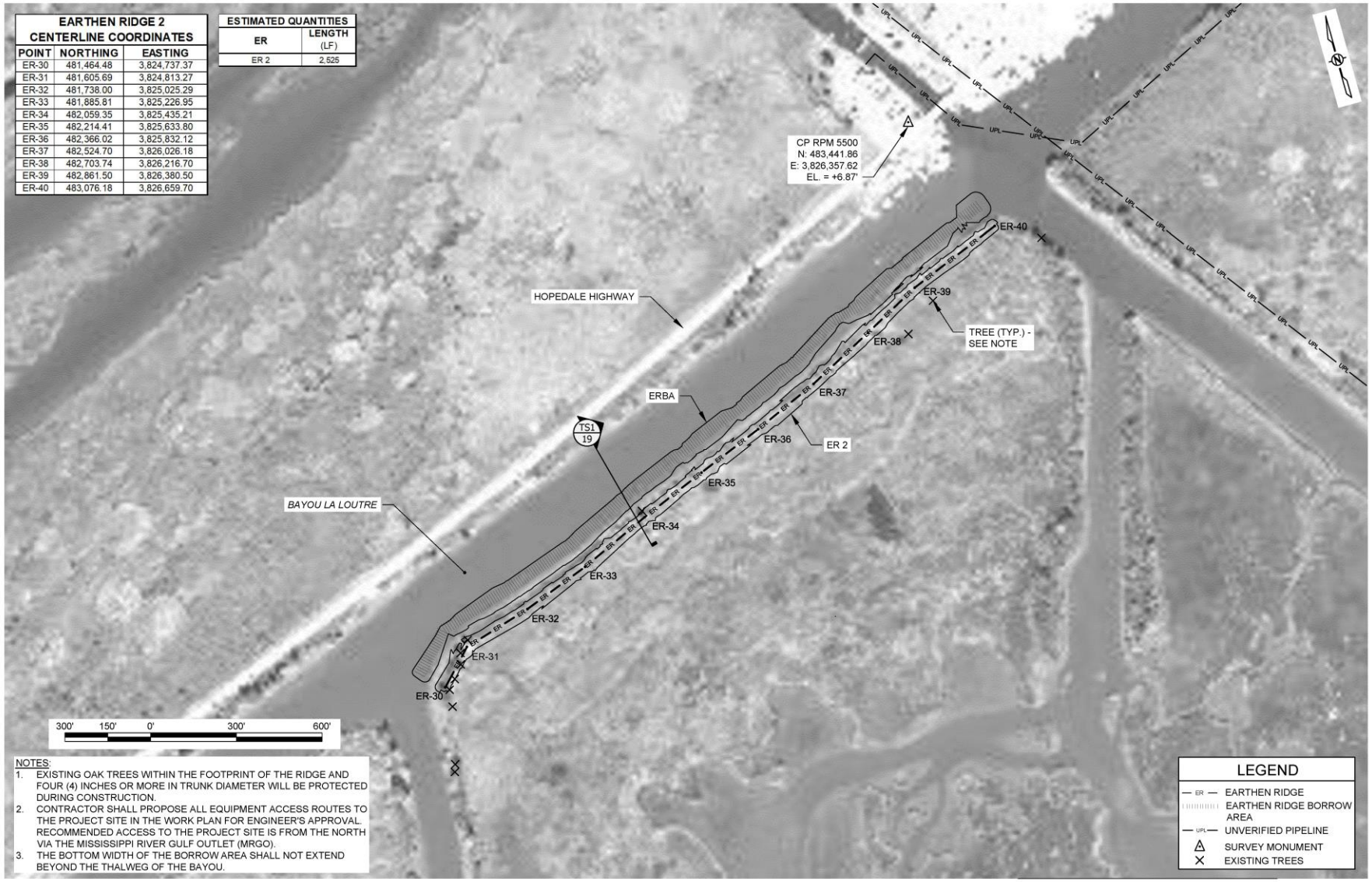
ESTIMATED QUANTITIES

ER	LENGTH (LF)
ER 1	7,010

NOTES:
1. SONAR CONTACT C3 IS CONSIDERED POTENTIALLY SIGNIFICANT CULTURAL SITE, AND REQUIRED FOR AVOIDANCE WITH A THIRTY (30) METER (100 FEET) BUFFER ZONE.
2. EXISTING OAK TREES WITHIN THE FOOTPRINT OF THE RIDGE AND FOUR (4) INCHES OR MORE IN TRUNK DIAMETER WILL BE PROTECTED DURING CONSTRUCTION.
3. CONTRACTOR SHALL PROPOSE ALL EQUIPMENT ACCESS ROUTES TO THE PROJECT SITE IN THE WORK PLAN FOR ENGINEER'S APPROVAL. RECOMMENDED ACCESS TO THE PROJECT SITE IS FROM THE NORTH VIA THE MISSISSIPPI RIVER GULF OUTLET (MRGO).
4. THE BOTTOM WIDTH OF THE BORROW AREA SHALL NOT EXTEND BEYOND THE THALWEG OF THE BAYOU.

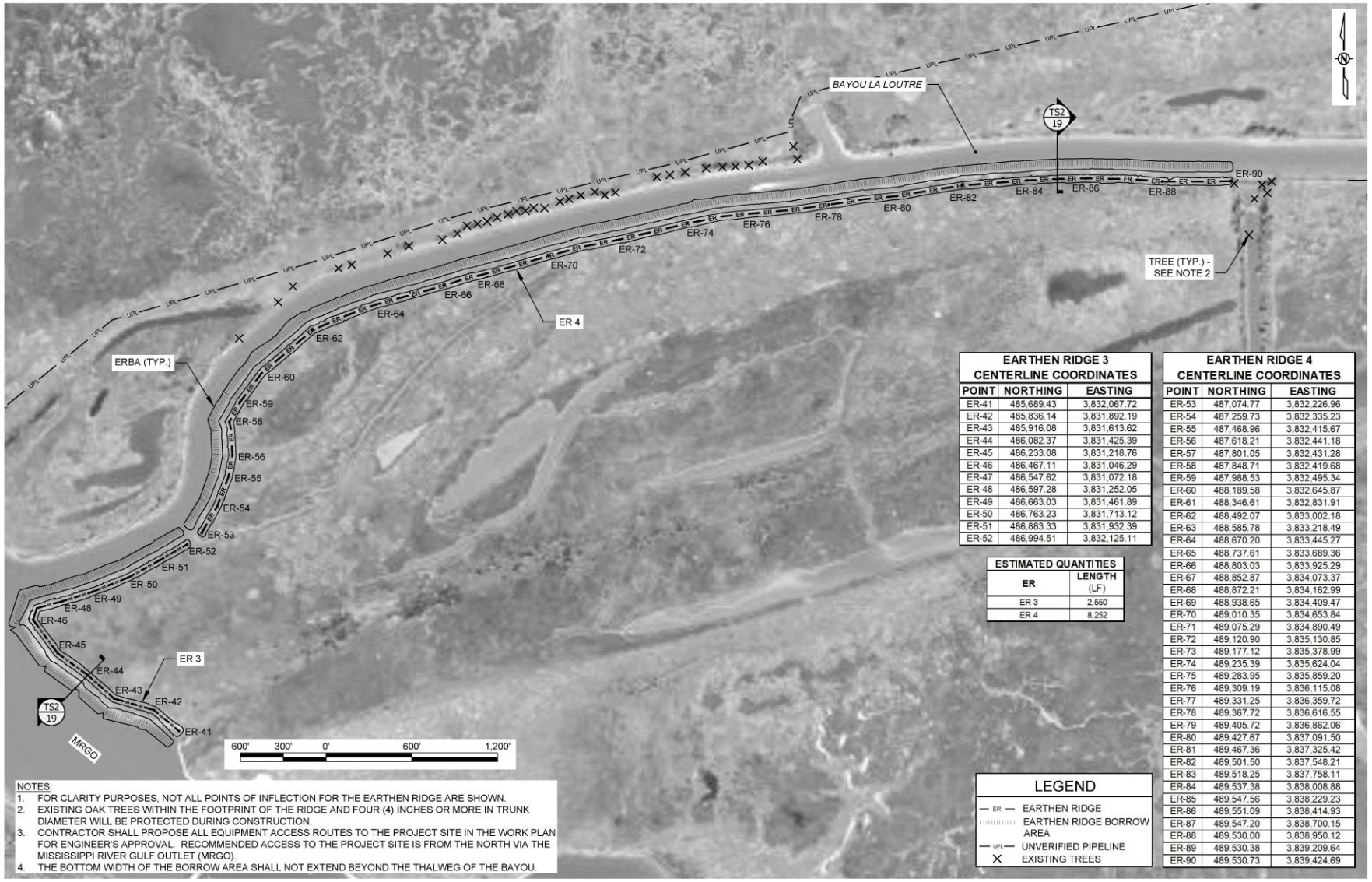
- Material will be placed on the existing remnant of the ridge at a ground elevation ranging between 0.8 to 1.8 feet
- Sonar Contact C3 is required for avoidance with a 100 ft. buffer zone

Plan View – Earthen Ridge 2



- Existing oak trees within the footprint of the ridge and 4 inches or more in the trunk diameter will be protected during the construction by building safety fence around them with a radius equal to the crown of the tree

Plan View – Earthen Ridge 3 and 4



EARTHEN RIDGE 3 CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
ER-41	485,689.43	3,832,067.72
ER-42	485,836.14	3,831,892.19
ER-43	485,916.08	3,831,613.62
ER-44	486,082.37	3,831,425.39
ER-45	486,233.08	3,831,218.76
ER-46	486,467.11	3,831,046.29
ER-47	486,547.62	3,831,072.18
ER-48	486,597.28	3,831,252.05
ER-49	486,663.03	3,831,461.89
ER-50	486,763.23	3,831,713.12
ER-51	486,883.33	3,831,932.39
ER-52	486,994.51	3,832,125.11

ESTIMATED QUANTITIES	
ER	LENGTH (LF)
ER 3	2,550
ER 4	8,252

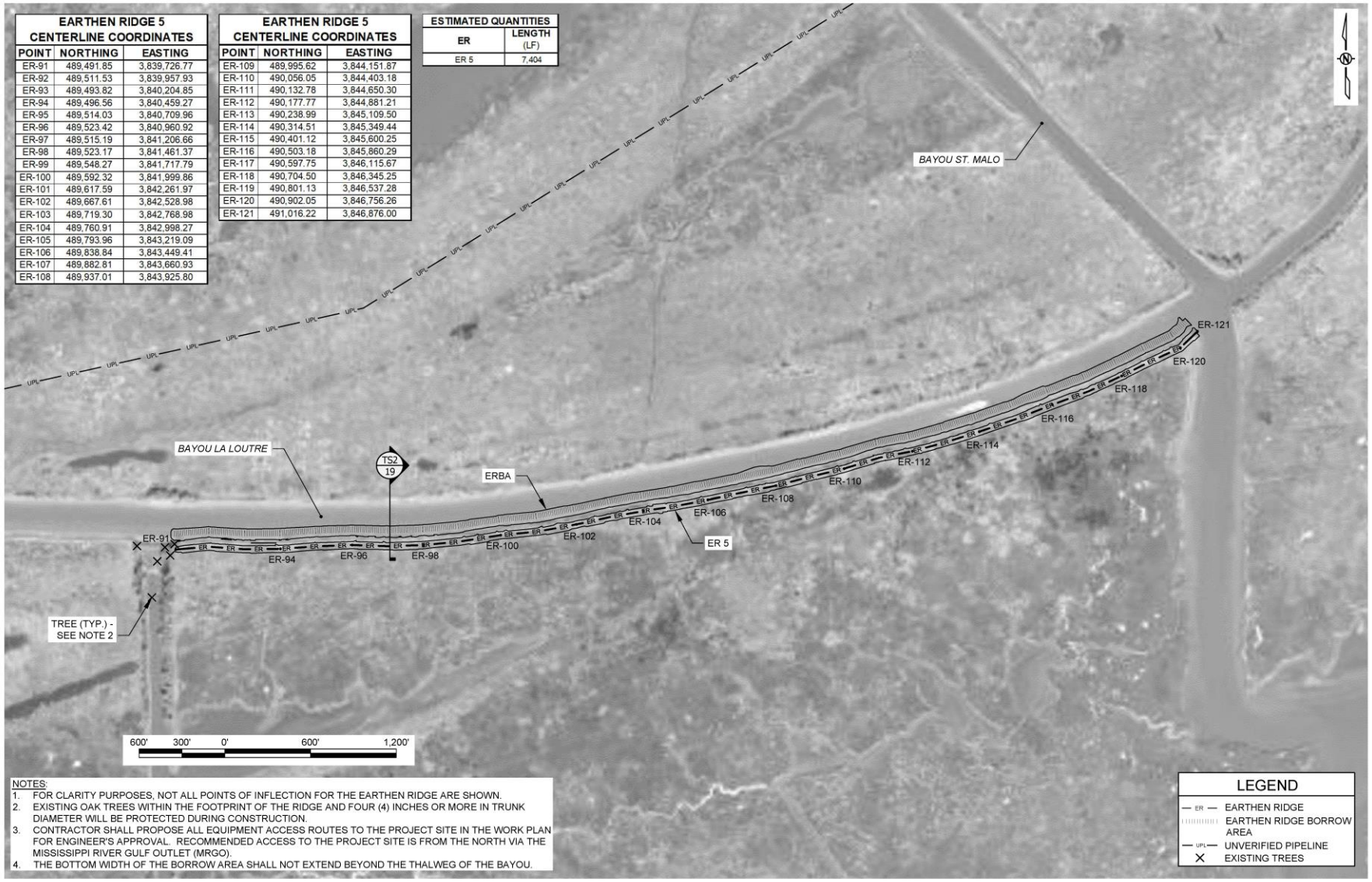
EARTHEN RIDGE 4 CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
ER-53	487,074.77	3,832,226.96
ER-54	487,259.73	3,832,335.23
ER-55	487,468.96	3,832,415.67
ER-56	487,618.21	3,832,441.18
ER-57	487,801.05	3,832,431.28
ER-58	487,848.71	3,832,419.68
ER-59	487,988.53	3,832,495.34
ER-60	488,189.58	3,832,645.87
ER-61	488,346.61	3,832,831.91
ER-62	488,492.07	3,833,002.18
ER-63	488,585.78	3,833,218.49
ER-64	488,670.20	3,833,445.27
ER-65	488,737.61	3,833,689.36
ER-66	488,803.03	3,833,925.29
ER-67	488,852.87	3,834,073.37
ER-68	488,872.21	3,834,162.99
ER-69	488,938.65	3,834,409.47
ER-70	489,010.35	3,834,653.84
ER-71	489,075.29	3,834,890.49
ER-72	489,120.90	3,835,130.85
ER-73	489,177.12	3,835,378.99
ER-74	489,235.39	3,835,624.04
ER-75	489,283.95	3,835,859.20
ER-76	489,309.19	3,836,115.08
ER-77	489,331.25	3,836,359.72
ER-78	489,367.72	3,836,616.55
ER-79	489,405.72	3,836,862.06
ER-80	489,427.67	3,837,091.50
ER-81	489,467.36	3,837,325.42
ER-82	489,501.50	3,837,548.21
ER-83	489,518.25	3,837,758.11
ER-84	489,537.38	3,838,008.88
ER-85	489,547.56	3,838,229.23
ER-86	489,551.09	3,838,414.93
ER-87	489,547.20	3,838,700.15
ER-88	489,530.00	3,838,950.12
ER-89	489,530.38	3,839,209.64
ER-90	489,530.73	3,839,424.69

NOTES:
1. FOR CLARITY PURPOSES, NOT ALL POINTS OF INFLECTION FOR THE EARTHEN RIDGE ARE SHOWN.
2. EXISTING OAK TREES WITHIN THE FOOTPRINT OF THE RIDGE AND FOUR (4) INCHES OR MORE IN TRUNK DIAMETER WILL BE PROTECTED DURING CONSTRUCTION.
3. CONTRACTOR SHALL PROPOSE ALL EQUIPMENT ACCESS ROUTES TO THE PROJECT SITE IN THE WORK PLAN FOR ENGINEER'S APPROVAL. RECOMMENDED ACCESS TO THE PROJECT SITE IS FROM THE NORTH VIA THE MISSISSIPPI RIVER GULF OUTLET (MRGO).
4. THE BOTTOM WIDTH OF THE BORROW AREA SHALL NOT EXTEND BEYOND THE THALWEG OF THE BAYOU.

LEGEND
- ER — EARTHEN RIDGE
- EARTHEN RIDGE BORROW AREA
- UPL — UNVERIFIED PIPELINE
- X EXISTING TREES

- The bottom width of the borrow area shall not extend beyond the thalweg of the bayou

Plan View – Earthen Ridge 5



EARTHEN RIDGE 5 CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
ER-91	489,491.85	3,839,726.77
ER-92	489,511.53	3,839,957.93
ER-93	489,493.82	3,840,204.85
ER-94	489,496.56	3,840,459.27
ER-95	489,514.03	3,840,709.96
ER-96	489,523.42	3,840,960.92
ER-97	489,515.19	3,841,206.66
ER-98	489,523.17	3,841,461.37
ER-99	489,548.27	3,841,717.79
ER-100	489,592.32	3,841,999.86
ER-101	489,617.59	3,842,261.97
ER-102	489,667.61	3,842,528.98
ER-103	489,719.30	3,842,768.98
ER-104	489,760.91	3,842,998.27
ER-105	489,793.96	3,843,219.09
ER-106	489,838.84	3,843,449.41
ER-107	489,882.81	3,843,660.93
ER-108	489,937.01	3,843,925.80

EARTHEN RIDGE 5 CENTERLINE COORDINATES		
POINT	NORTHING	EASTING
ER-109	489,995.62	3,844,151.87
ER-110	490,056.05	3,844,403.18
ER-111	490,132.78	3,844,650.30
ER-112	490,177.77	3,844,881.21
ER-113	490,238.99	3,845,109.50
ER-114	490,314.51	3,845,349.44
ER-115	490,401.12	3,845,600.25
ER-116	490,503.18	3,845,860.29
ER-117	490,597.75	3,846,115.67
ER-118	490,704.50	3,846,345.25
ER-119	490,801.13	3,846,537.28
ER-120	490,902.05	3,846,756.26
ER-121	491,016.22	3,846,876.00

ESTIMATED QUANTITIES	
ER	LENGTH (LF)
ER 5	7,404

NOTES:
1. FOR CLARITY PURPOSES, NOT ALL POINTS OF INFLECTION FOR THE EARTHEN RIDGE ARE SHOWN.
2. EXISTING OAK TREES WITHIN THE FOOTPRINT OF THE RIDGE AND FOUR (4) INCHES OR MORE IN TRUNK DIAMETER WILL BE PROTECTED DURING CONSTRUCTION.
3. CONTRACTOR SHALL PROPOSE ALL EQUIPMENT ACCESS ROUTES TO THE PROJECT SITE IN THE WORK PLAN FOR ENGINEER'S APPROVAL. RECOMMENDED ACCESS TO THE PROJECT SITE IS FROM THE NORTH VIA THE MISSISSIPPI RIVER GULF OUTLET (MRGO).
4. THE BOTTOM WIDTH OF THE BORROW AREA SHALL NOT EXTEND BEYOND THE THALWEG OF THE BAYOU.

- No evidence of existing pipeline is found in the project site. The unverified pipeline shown on the plan is from the NPMS database

Notable Quantities

Item No.	Description	Unit	Estimated Quantity
1	Mobilization And Demobilization	Lump Sum	1
2	Earthen Ridge	Linear Foot	27,741
3	Settlement Plates	Each	14
4	Temporary Grass Seeding	Lump Sum	1
5	Construction Surveys	Lump Sum	1
6	Vegetative Plantings	Lump Sum	1

- Temporary grass seeding will be done immediately after construction of each reach
- Additional Vegetative plantings under the construction contract include seashore paspalum (4” Containers, 6 Rows @ 3’ Apart, 3’ Spacing) and smooth cordgrass (Plugs, 3 Rows @ 3‘Apart, 3’ Spacing)

Schedule

Funding: Natural Resource Damage Assessment (NRDA) funds

Permitting: In progress

Landrights/Servitude Agreements: In progress

Advertisement: Fall 2022

Contract Award: Spring 2023

Contract Completion: Fall 2023

Construction Duration:
- Approx. 285 days

West Fourchon Marsh Creation Project (TE-0134)

LAFOURCHE PARISH, LOUISIANA

THOMAS MCLAIN, ENGINEERING DIVISION

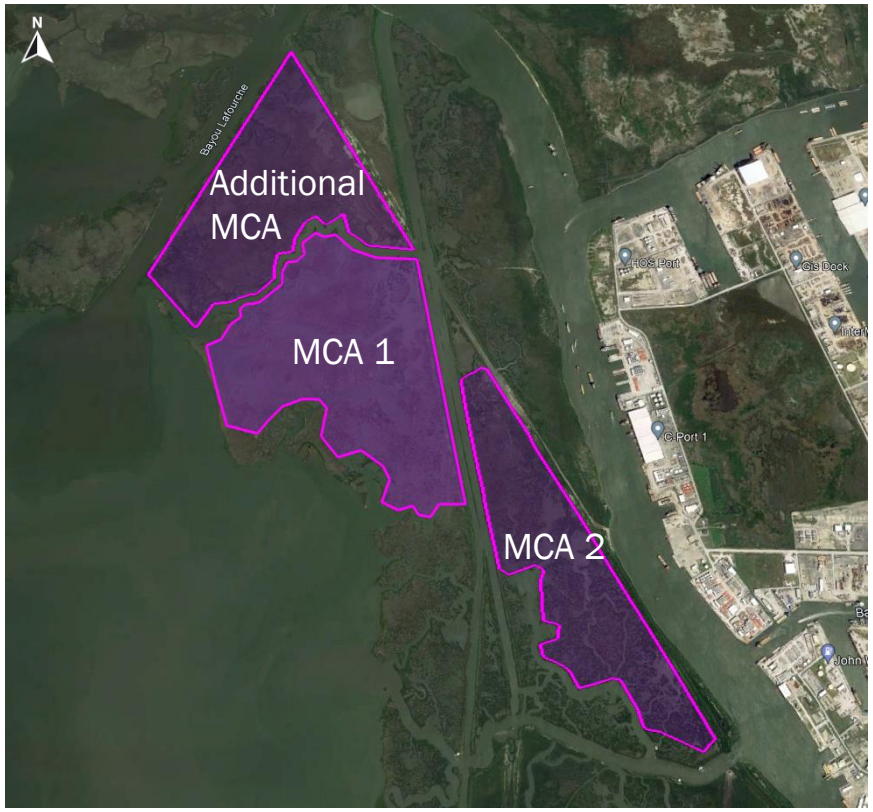
General Project Information

INFO	DESCRIPTION
LOCATION	Lafourche Parish, Adjacent to Port Fourchon
FUNDING	CWPPRA (PPL24): Phase 2 Construction Funded Jan. 2020
PROJECT TYPE	Marsh Creation Project

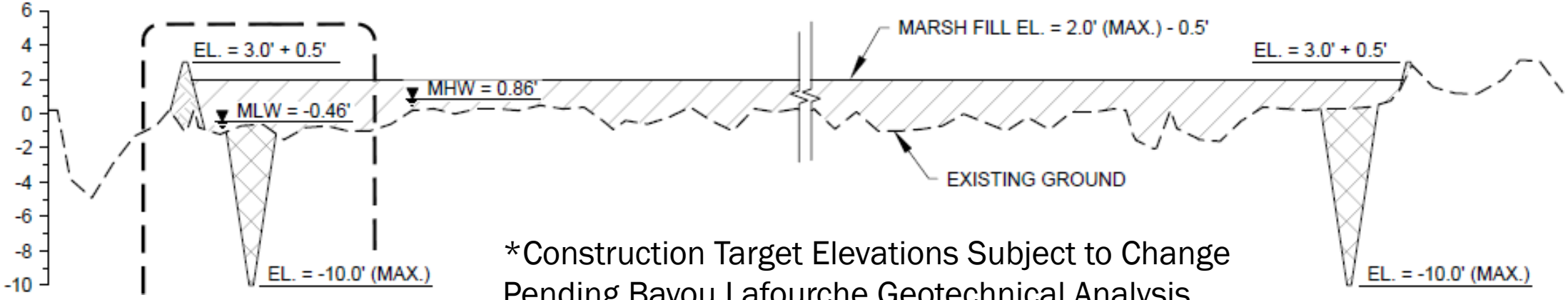
Project Layout

- Up to 802 Acres of Marsh Creation
- 3 Marsh Creation Areas
- 2 Borrow Sources being Considered
  - Offshore Borrow
    - Current Design
    - 8 Mile Avg. Pump Distance
  - Bayou Lafourche/Floatation Canal
    - CPRA, NOAA, GLPC are Coordinating to ensure Project Goals can be met with Bayou Lafourche Borrow Source
    - Sampling Complete
    - Testing/Analysis Underway
  - Material Characteristics/Available Quantity will Guide Borrow Area Selection
    - Borrow Area Selection Late Spring/Early Summer 2022
  - **Only 1 Borrow Source will be Bid**

Marsh Creation Areas



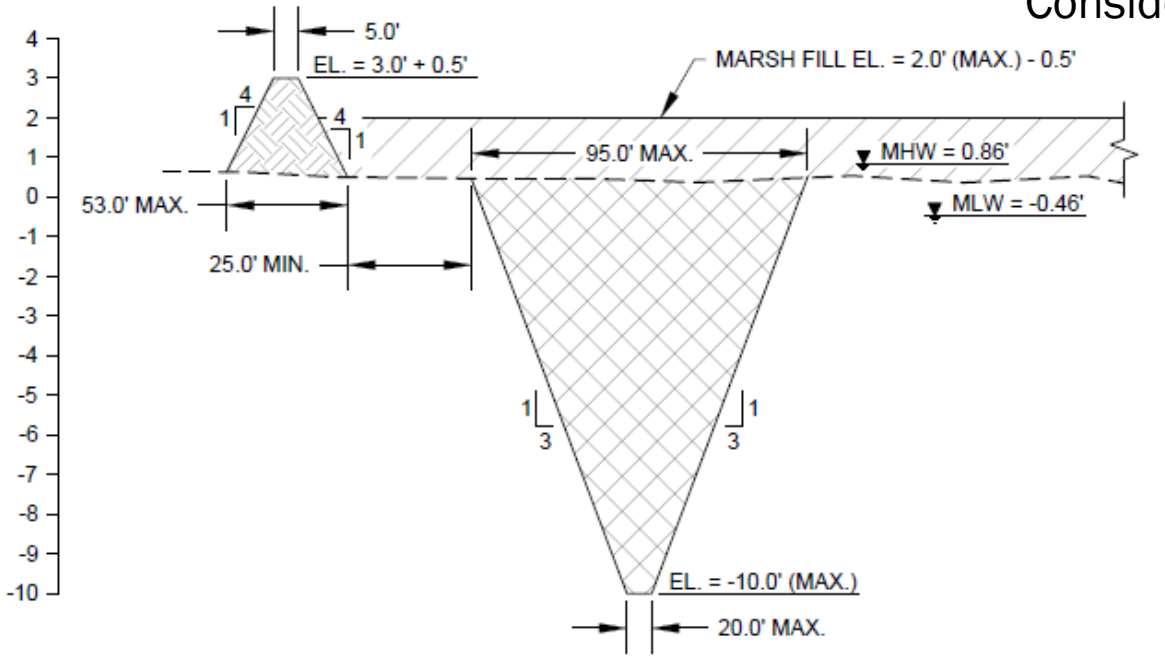
- Up to 802 Acres of Marsh Creation
  - MCA 1: 331 Acres
    - Avg. Bottom Elevation: -0.63’
    - Construction Fill Elevation: +2.0’- 0.5’
    - Approx. 1,064,700 CY
  - MCA 2: 206 Acres
    - Avg. Bottom Elevation: -0.21’
    - Construction Fill Elevation: +2.0’- 0.5’
    - Approx. 594,400 CY
  - Additional MCA: 206 Acres
    - Avg. Bottom Elevation: +0.13’
    - Construction Fill Elevation: +2.0’- 0.5’
    - Approx. 568,700 CY



*Construction Target Elevations Subject to Change Pending Bayou Lafourche Geotechnical Analysis

Earthen Containment Dikes

- Crown Elevation: +3.0’+ 0.5’
- Crown Width: 5’
- Side Slopes: 1V:4H
- Total ECD LF: 54,624 LF
- Interior Borrow
- Some Gapping/Degrading Required After Acceptance of MCA’s



MCA 1

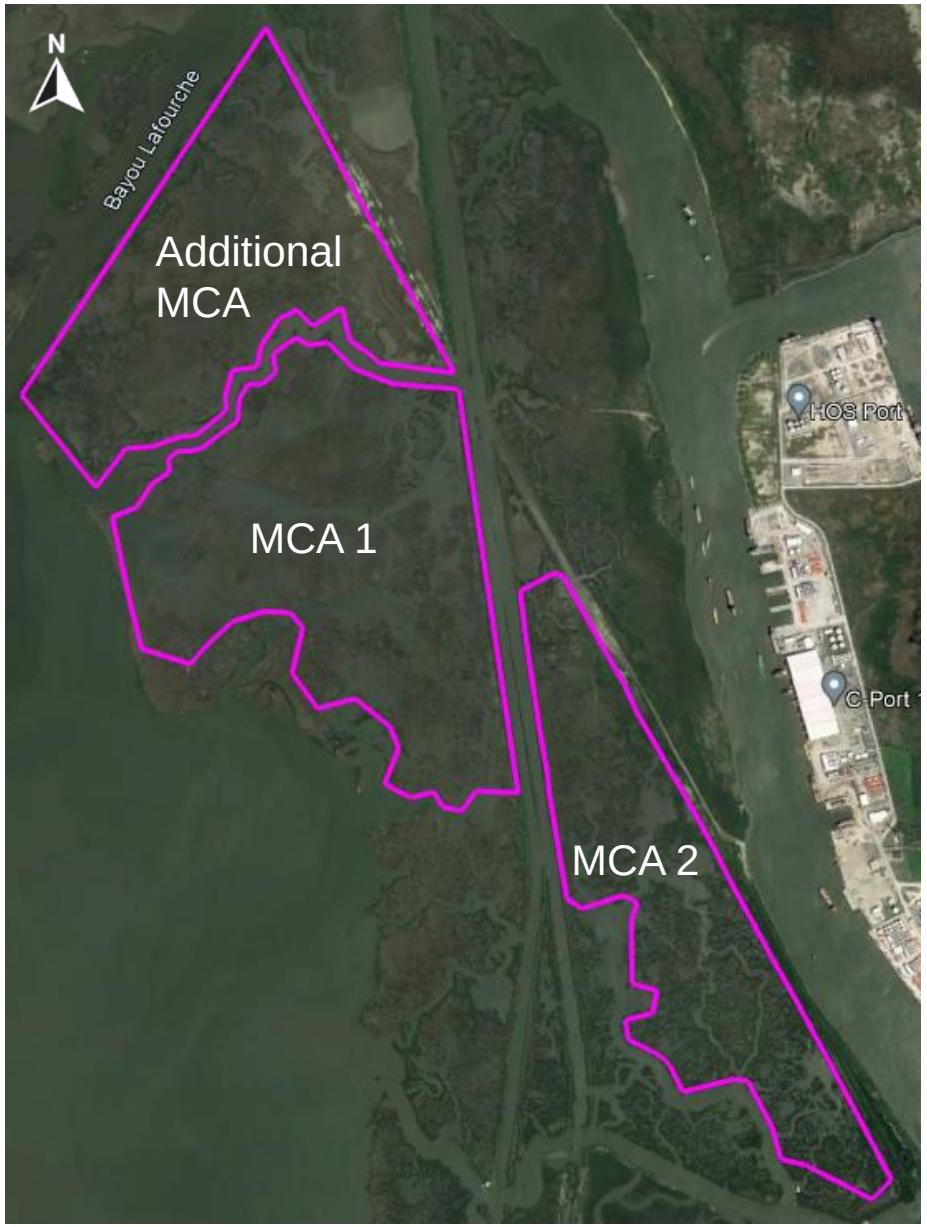
- ECD Length: 18,414 LF

MCA 2

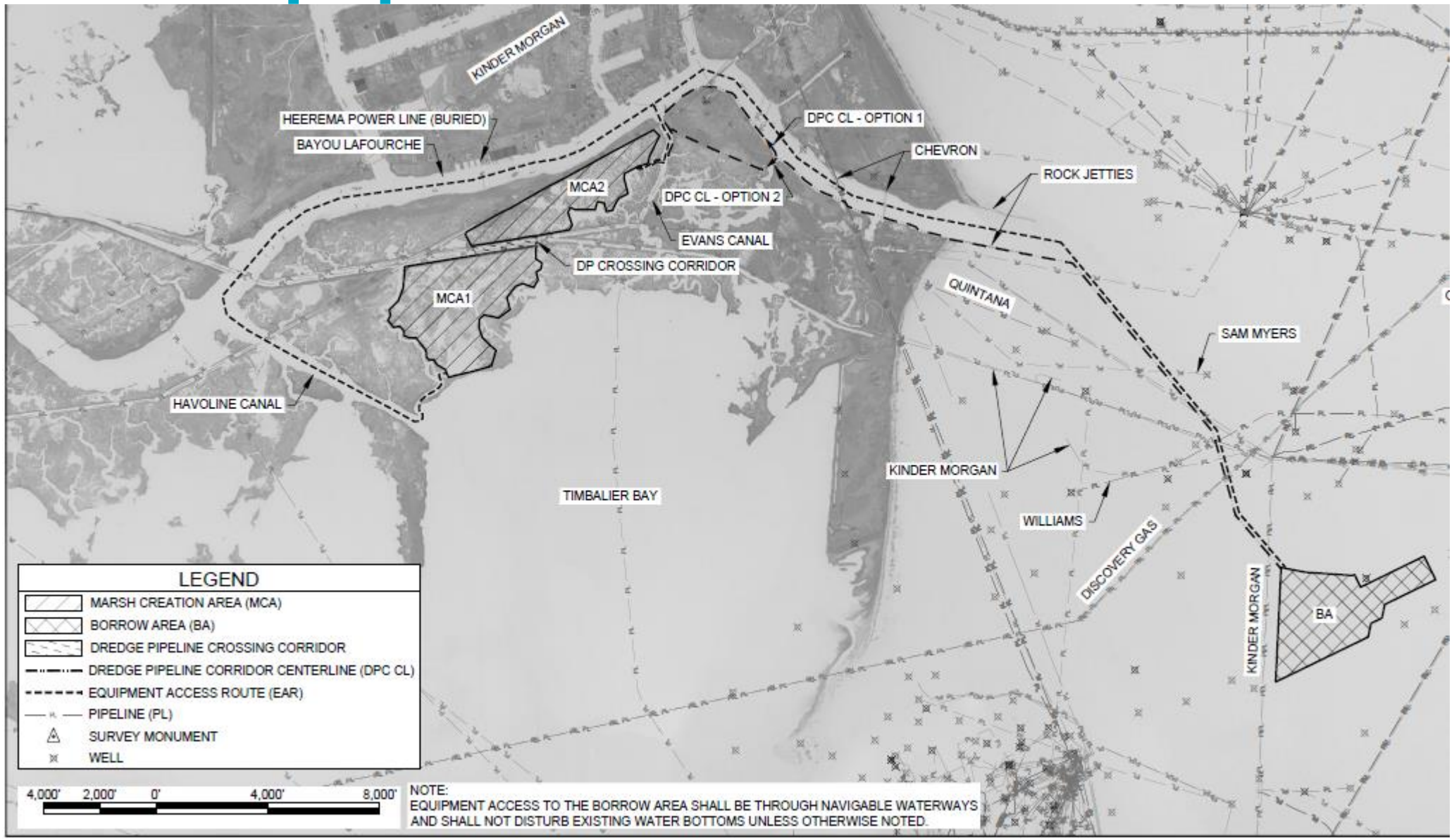
- ECD Length: 18,710 LF

Additional MCA

- ECD Length: 17,500 LF
- Semi-Confined Being Considered

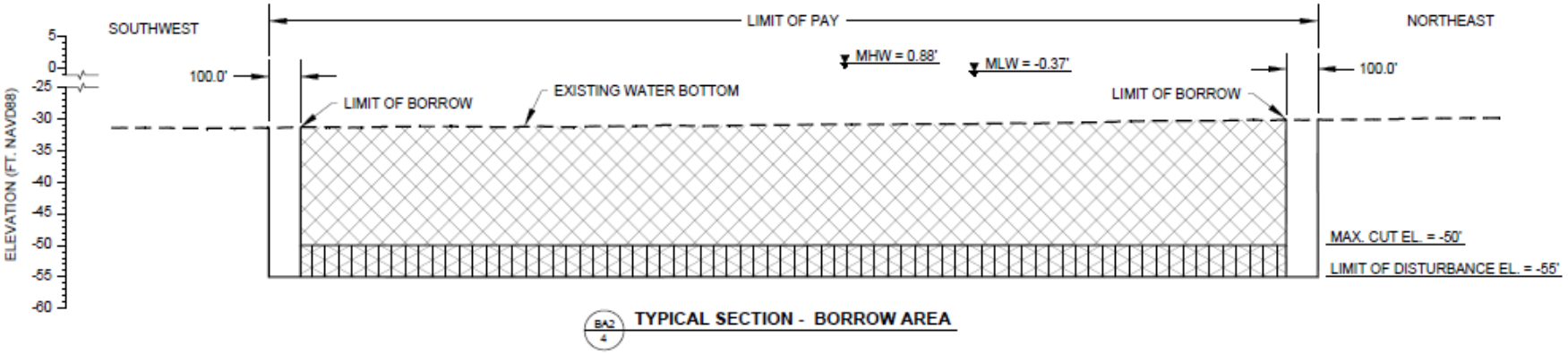


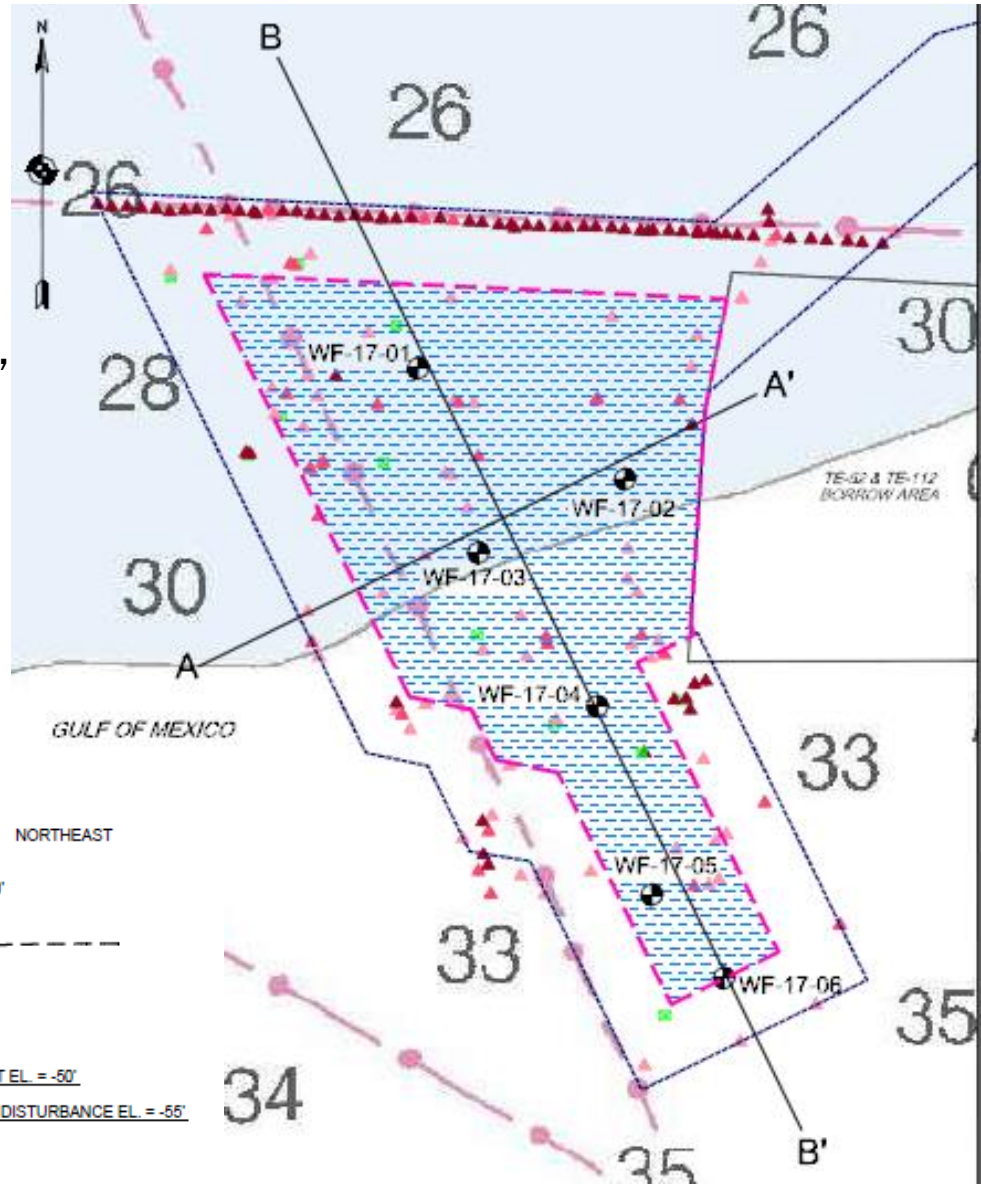
Equipment Access Corridor



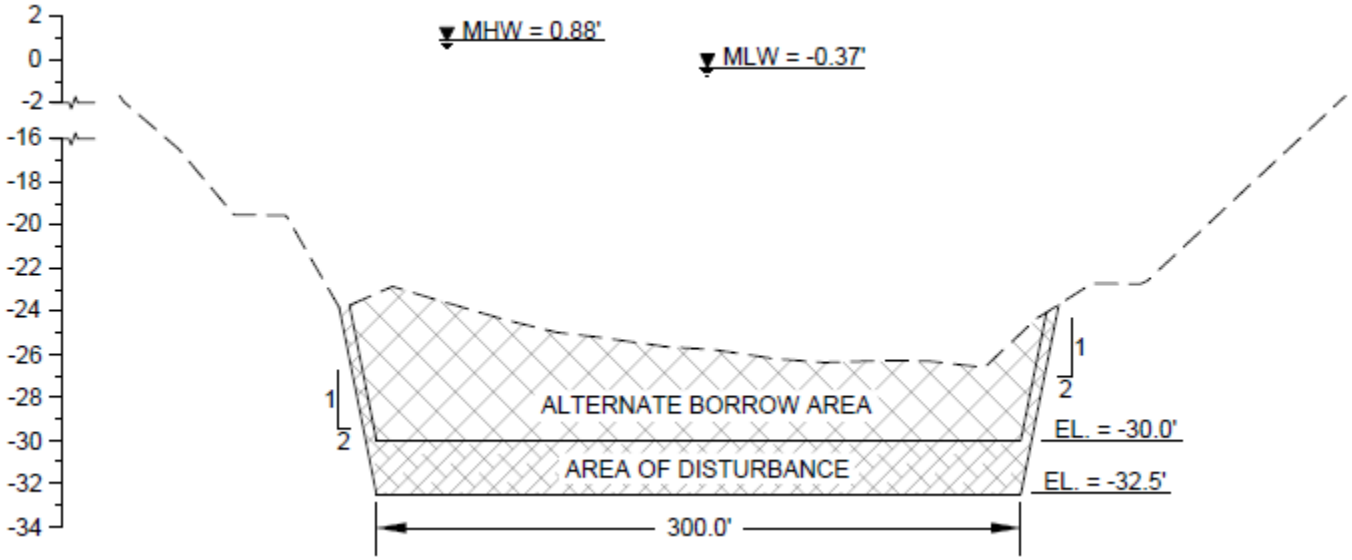
Typical Section – Offshore Borrow Area

- 3.5 Miles South West of West Belle Pass
- 8 Mile Average Pump Distance
- Directly Adjacent to TE-52/TE-143 Borrow Area/Hopper Disposal Area
- Very Similar Material to TE-52 West Belle Pass MC Project
- Homogenous High Plasticity Clay Interspersed with Silt Streaks, Lenses, Seams, Pockets, and Thin Layers
- Approximately 30 ft of Water Depth in BA
- Existing Bottom Elevation Ranges from -28 ft to -34 ft (NAVD88 Geoid12a)
- 20-ft Cut Depth with 5-ft Disturbance Area
- Borrow Area Contains Approx. 7.5M CY





Typical Section – Bayou Lafourche/Floatation Canal Borrow Area

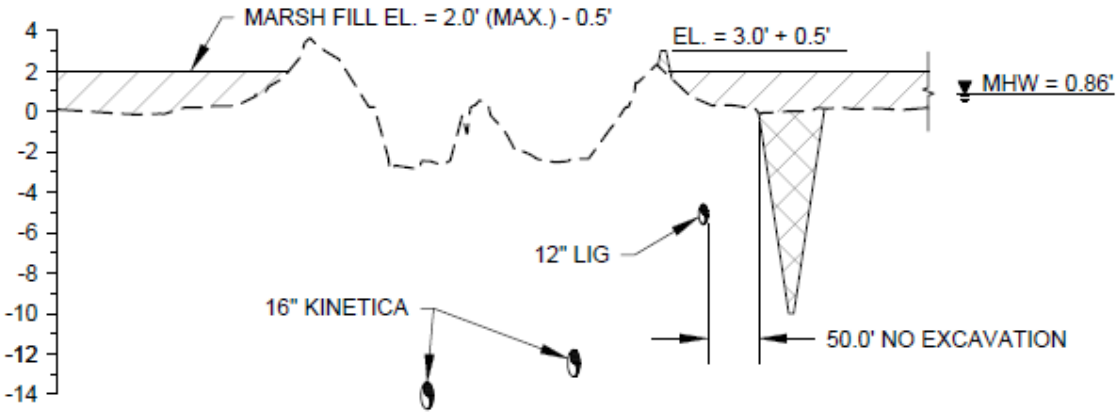


- Bayou Lafourche is a USACE-Maintained Navigation Channel
- Bottom Elev. Maintained to -25’ (-27.5’ with Advanced Maint.)
- Recently Authorized to increase Dredging Template to -30.0’ with an additional 2.5’ Advanced Maintenance
- -32.5’ Max Bottom Elev.
- Intent would be to dredge Belle Pass, Bayou LaFourche (up to intersection with Flotation Canal), and Flotation Canal to same Dredging Template
- Final Decision on Borrow Source after completion of Geotechnical Analysis

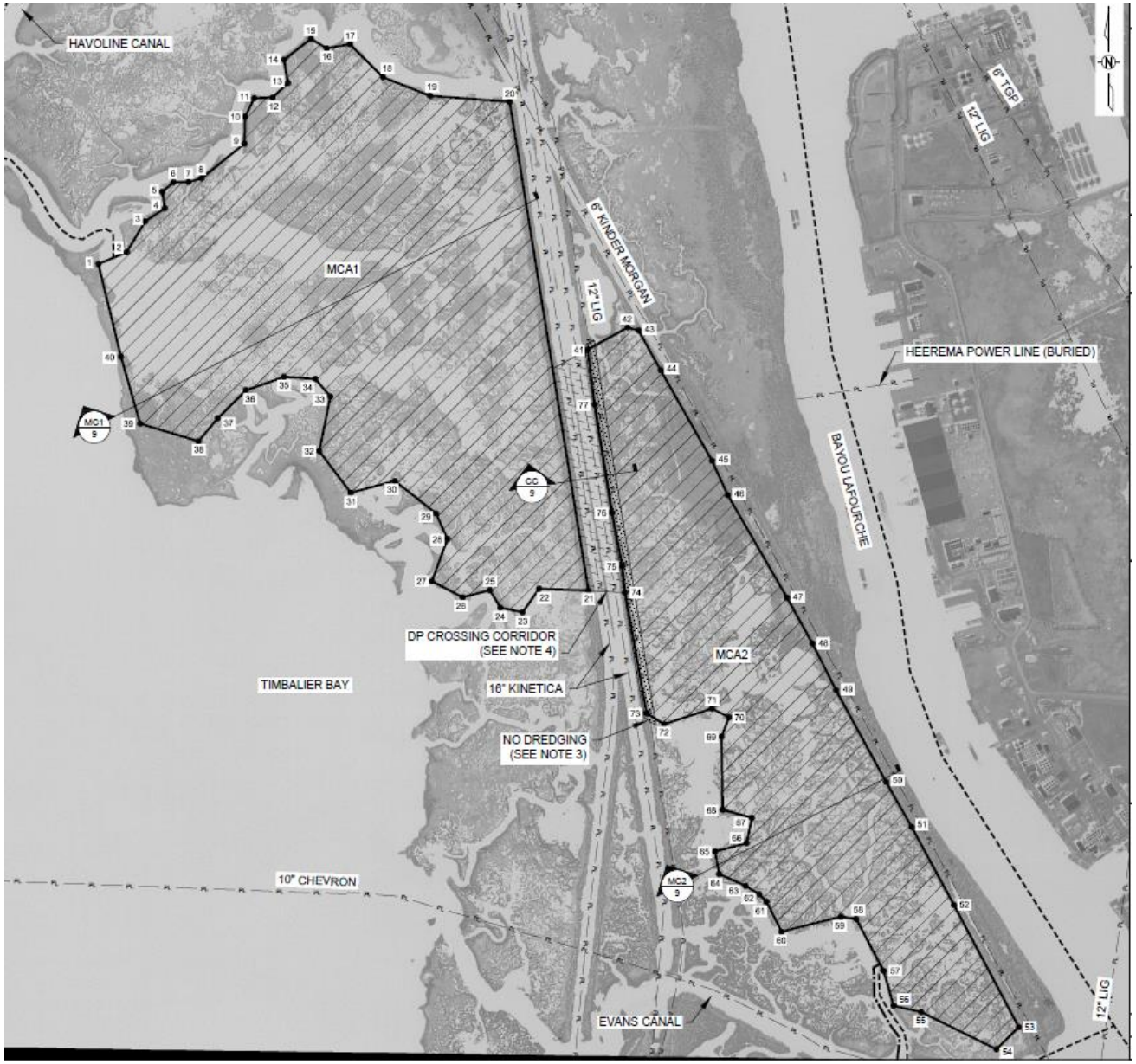
Existing Infrastructure - MCA

Verified Pipelines within Marsh Creation Area Footprint

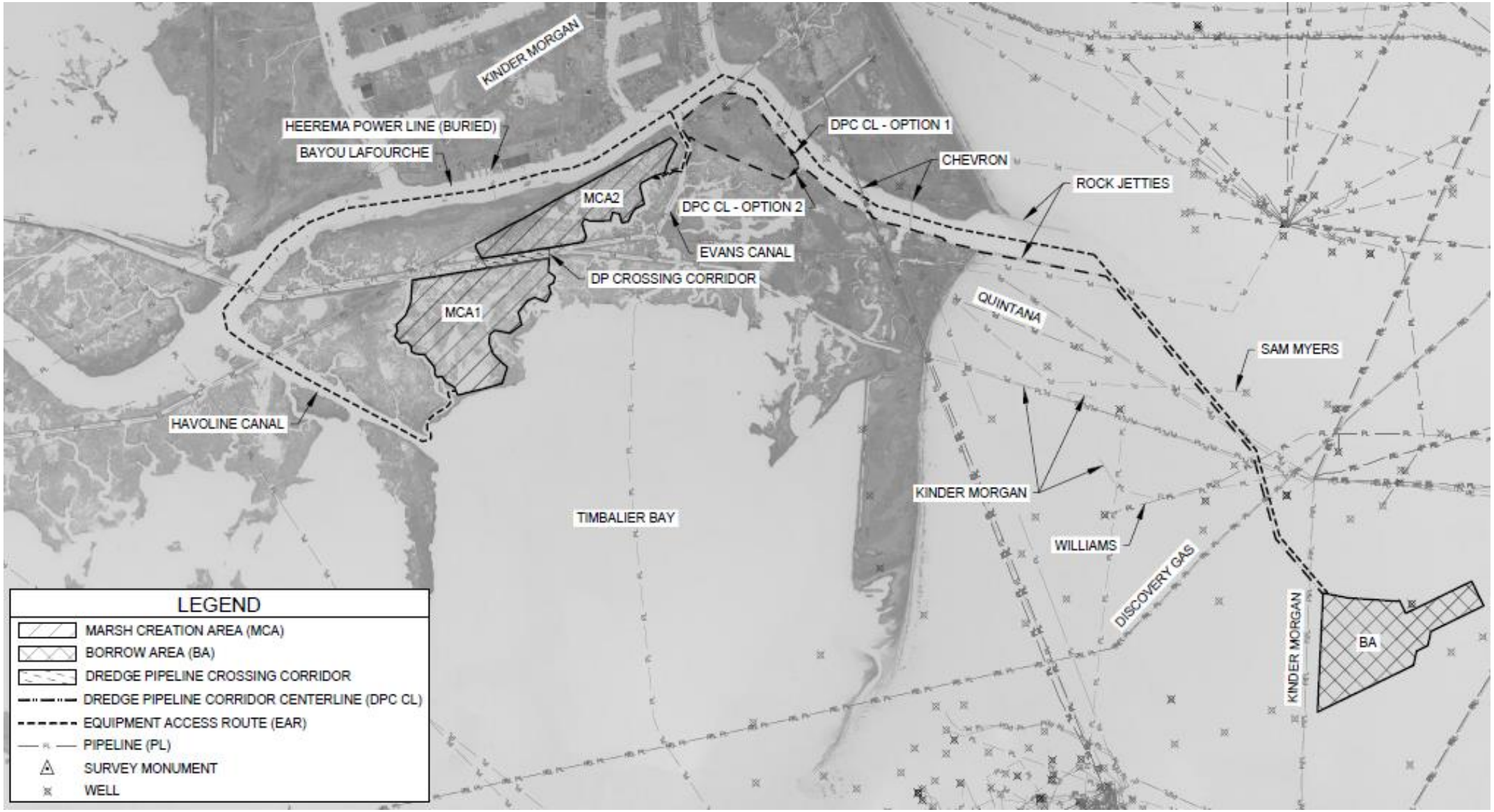
- 2 – 16” Kinetica (Active)
- 12” LIG (Active)
- 6” Kinder Morgan (Plugged and Abandoned)



CC 5 **TYPICAL SECTION**
DREDGE PIPELINE CROSSING CORRIDOR

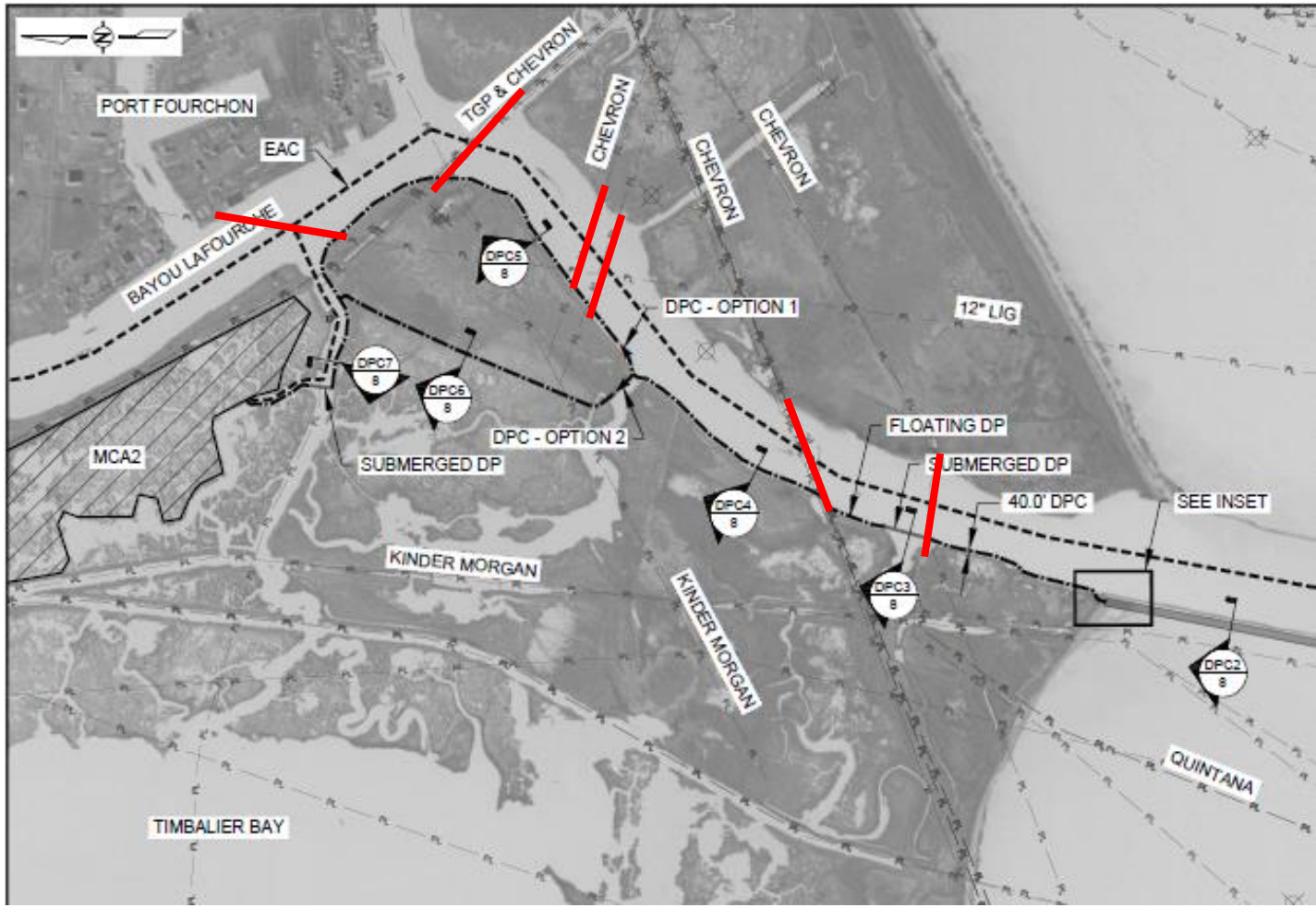


Existing Infrastructure – Offshore Borrow



Existing Infrastructure – Bayou Lafourche Borrow

- Multiple Pipelines Crossing Bayou Lafourche
- No Plans to Relocate any Pipelines at this Time
  - Excavation Buffers Planned at this Time



Quantities

Item No.	Work or Material	Quantity	Unit
1	Mobilization/Demobilization	1	LS
2	Marsh Creation & Nourishment (w/dike backfill)*	2,227,744	CY
3	Nesting Bird Abatement (DPL Beach Crossing)	10	Day
3	Containment Dikes	54,624	LF
4	Settlement Plates	9	Each
5	Instrumented Settlement Plates	6	Each
6	Construction Surveys	1	LS

- Marsh Creation Volume based on Gulf Borrow Source. Bayou Lafourche Borrow Material may alter Design Quantity
- Pay on the Cut
- Nesting Bird Abatement may not be Required with Bayou Lafourche Borrow Area
- Schedule of Bid Items will be Updated after Borrow Source is Finalized

Schedule

Construction Funding Status:

- Received Jan. 2020

Permit Status:

- JPA Submitted March 2022
- Both Borrow Sources Permitted

Bayou Lafourche Borrow Area Analysis:

- Bayou Lafourche Sampling Complete
- Geotechnical Testing/Analysis Underway

Anticipated Bid Advertisement:

- Q4 2022/Q1 2023*

Bid Options

- Gulf Borrow: Bid by CPRA
- Bayou Lafourche Borrow Option: Bid by Greater Lafourche Port Commission

Contract Duration:

- 375 Days*

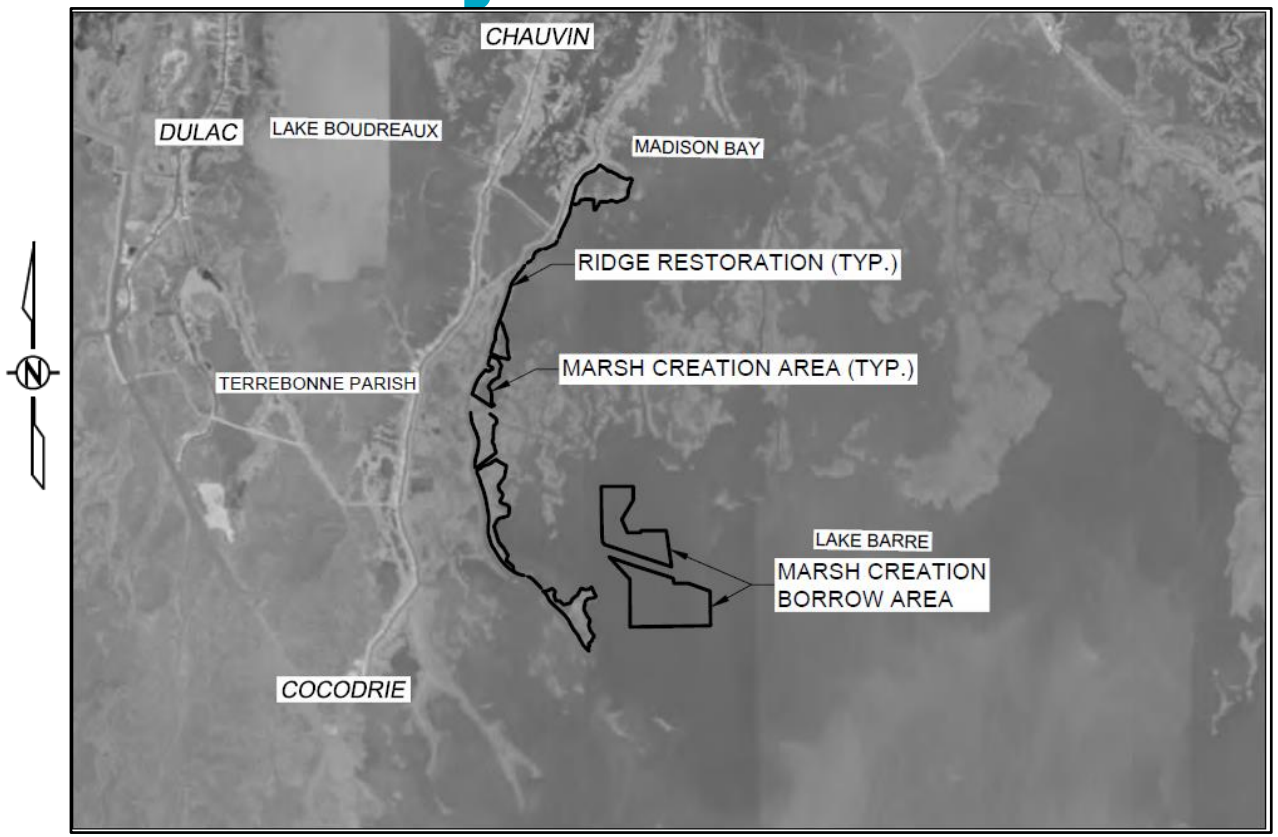
*Subject to Change with Bayou Lafourche Borrow Geotech Analysis Results

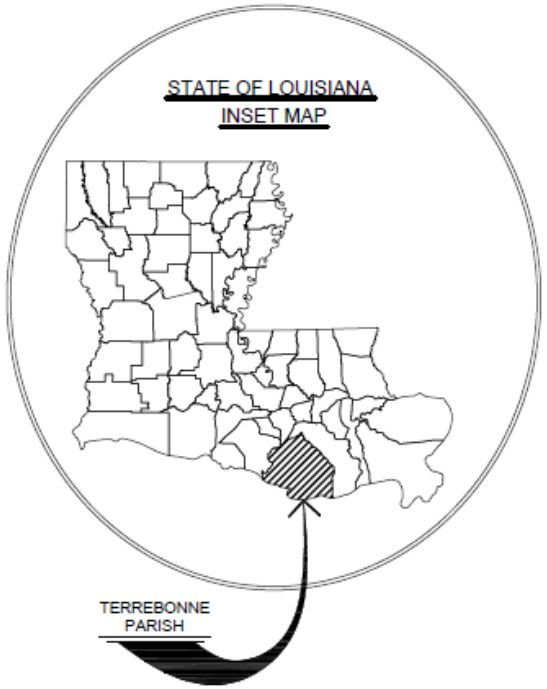
Terrebonne Basin Ridge and Marsh Creation (TE-0139)

TERREBONNE PARISH, LOUISIANA

THOMAS MCLAIN, ENGINEERING DIVISION

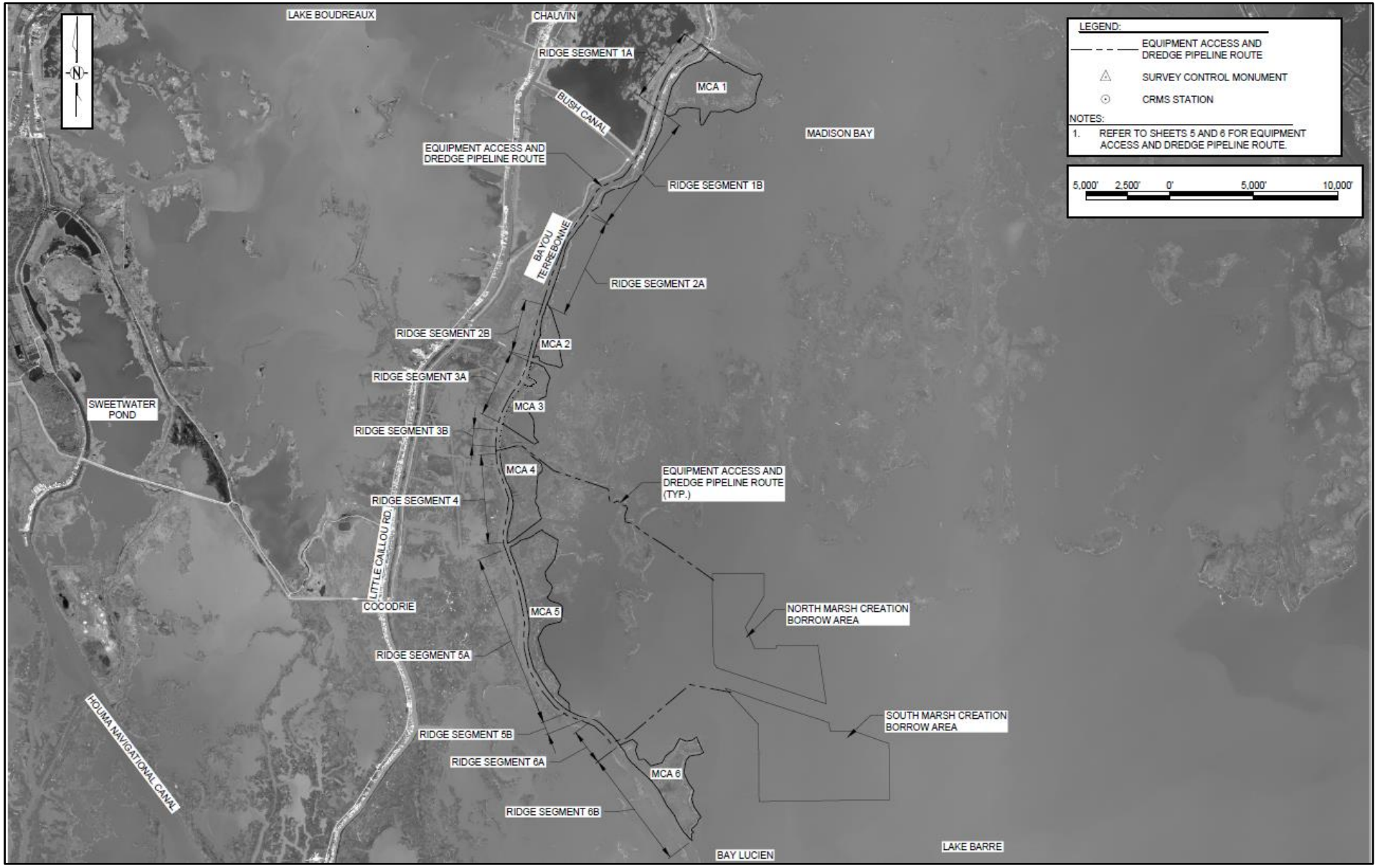
General Project Information





INFO	DESCRIPTION
LOCATION	Madison Bay, Terrebonne Parish
FUNDING	Natural Resource Damage Assessment (NRDA)
PROJECT TYPE	Marsh Creation and Ridge Restoration

Project Layout

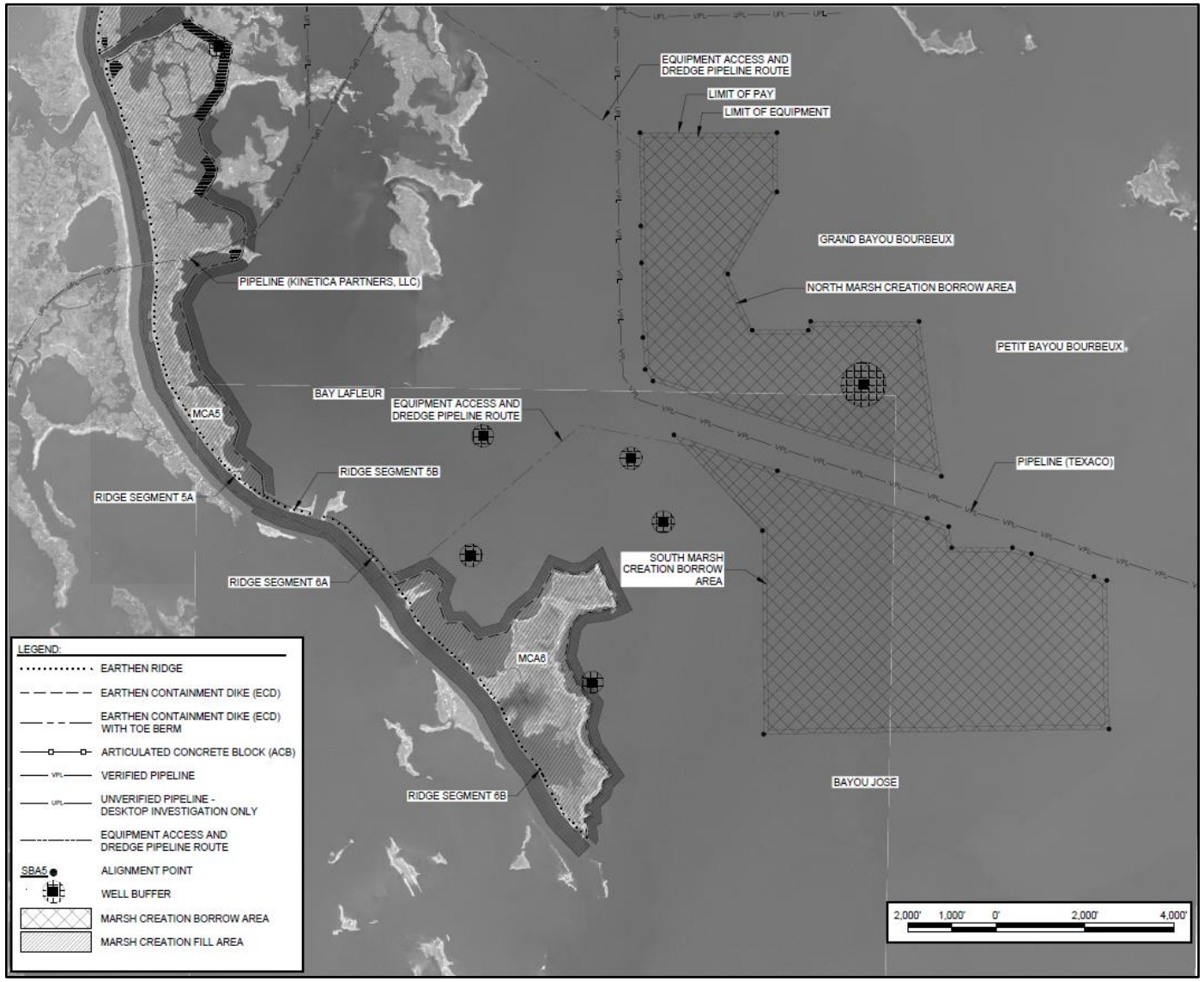


~1,429 ac. of Marsh Creation

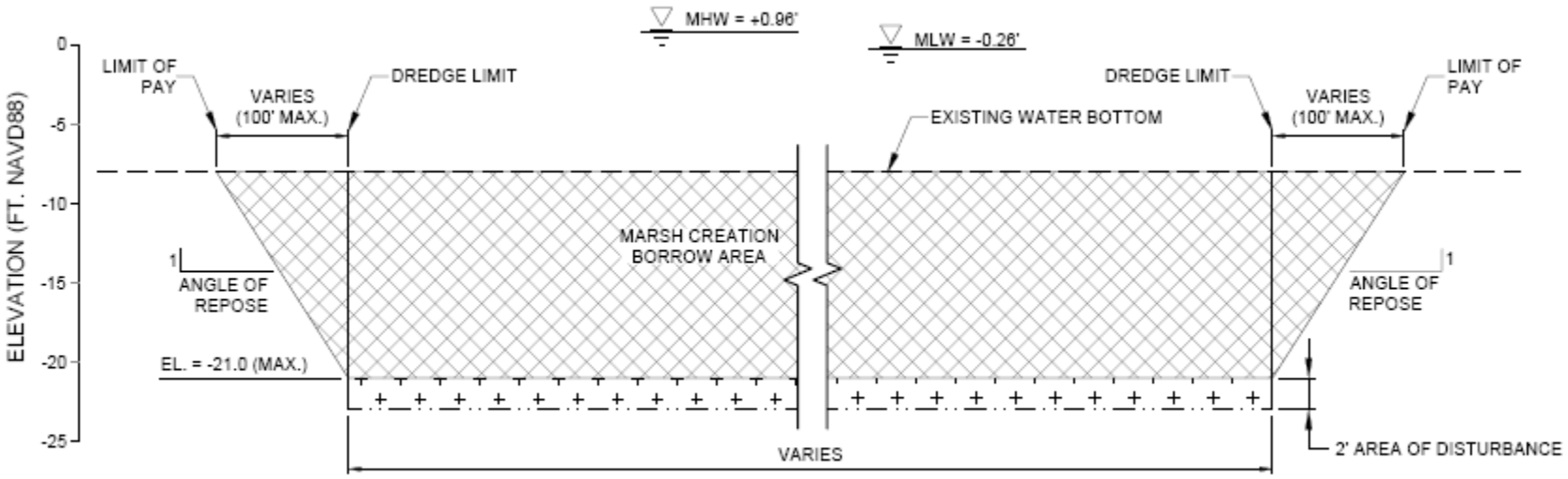
~54,000 LF of Ridge Restoration

~8,800 LF. of Articulated Concrete Block Mat

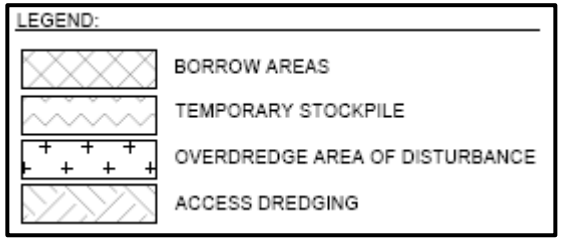
Plan View– Borrow Area



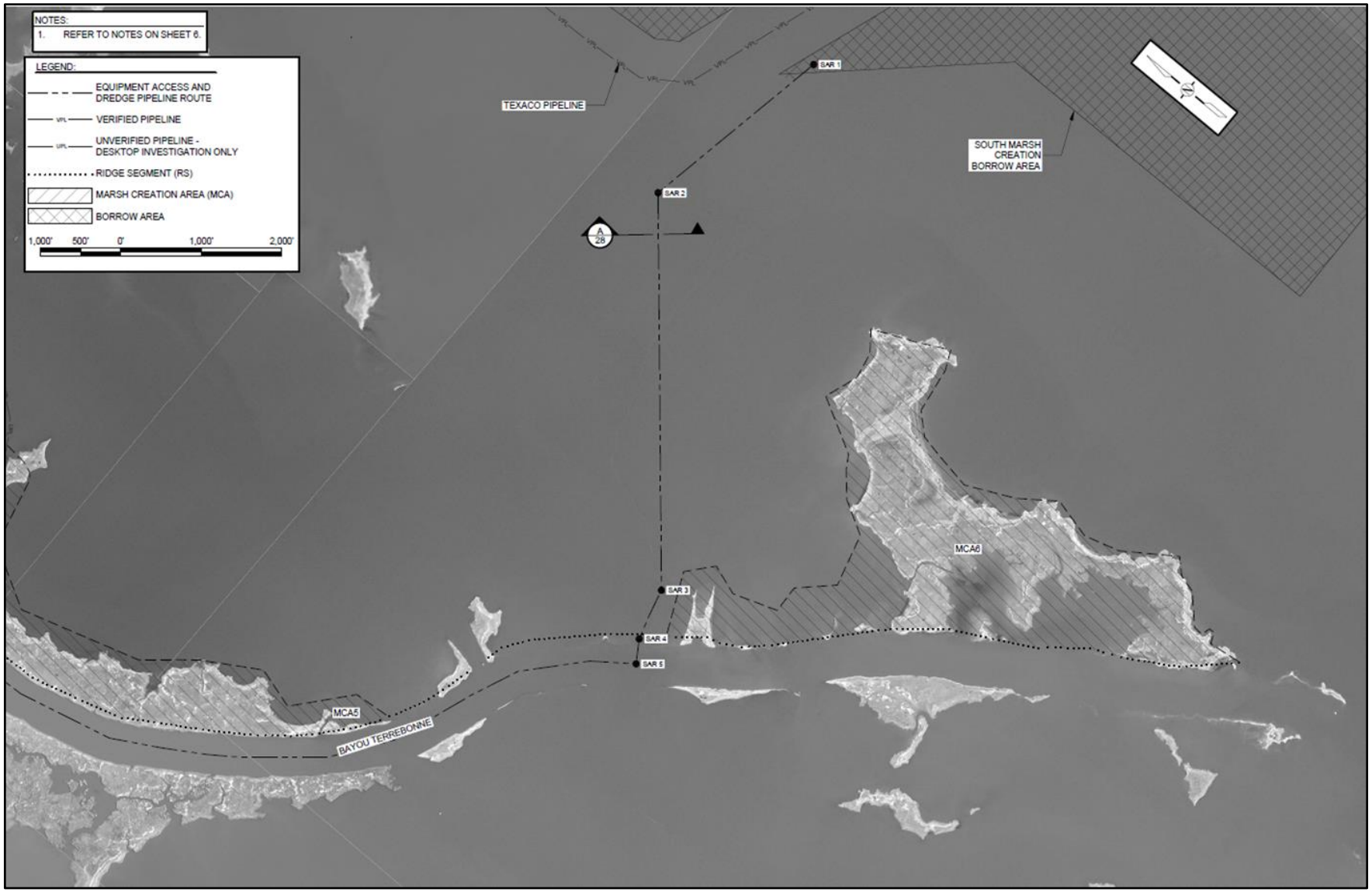
Typical Section – Borrow Area



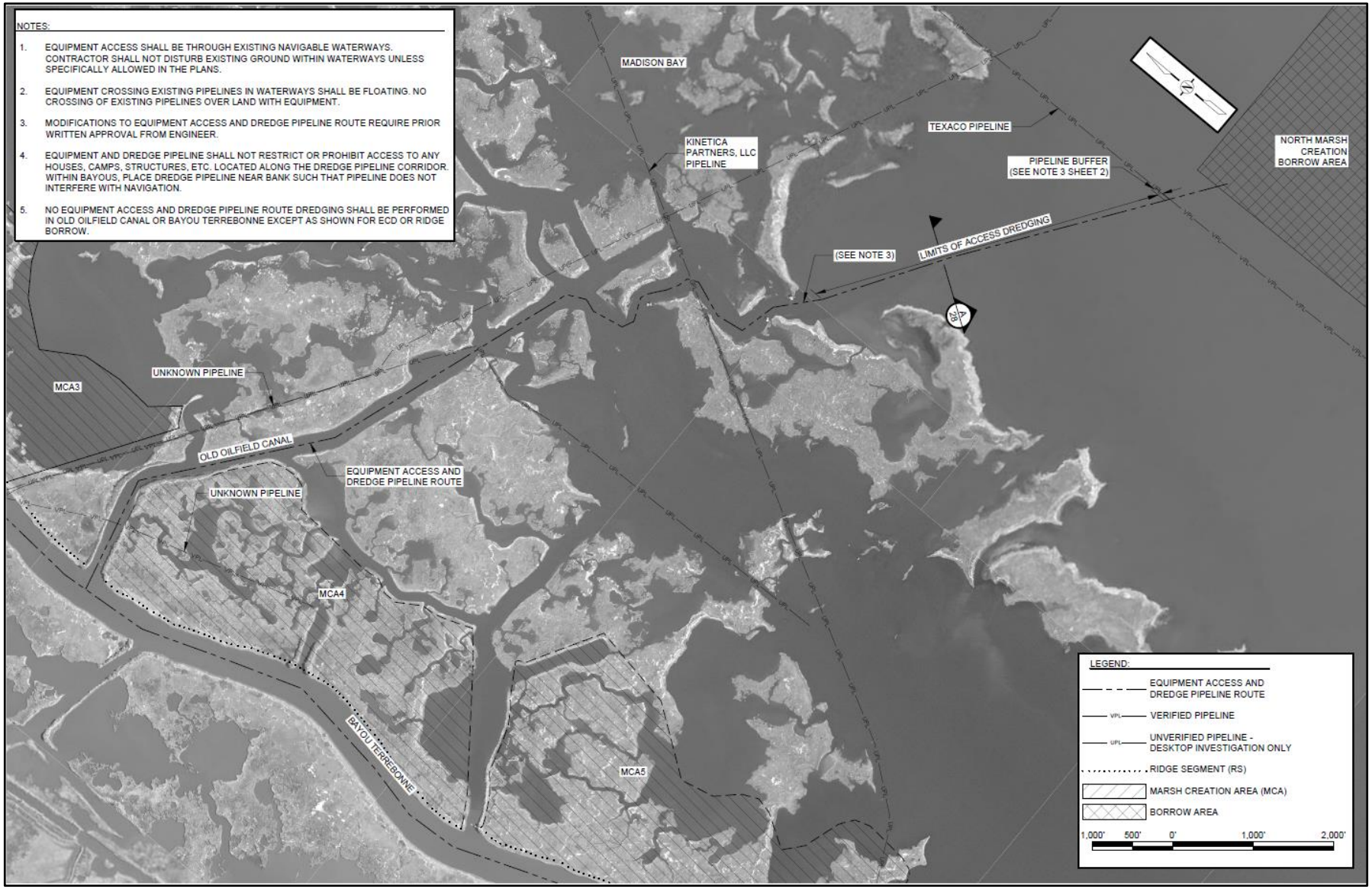
B & C 17 TYPICAL SECTION - NORTH AND SOUTH MARSH CREATION BORROW AREA



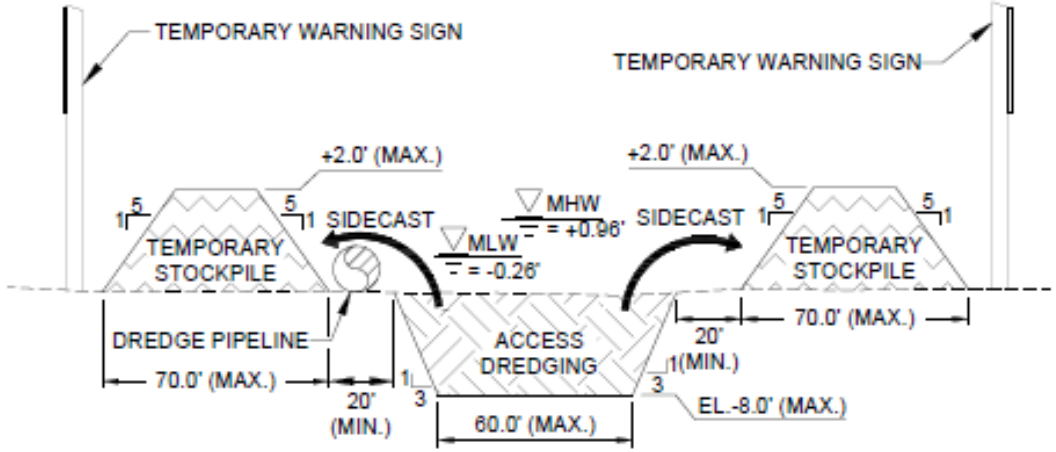
Equipment Access Corridor- South BA



Equipment Access Corridor- North BA

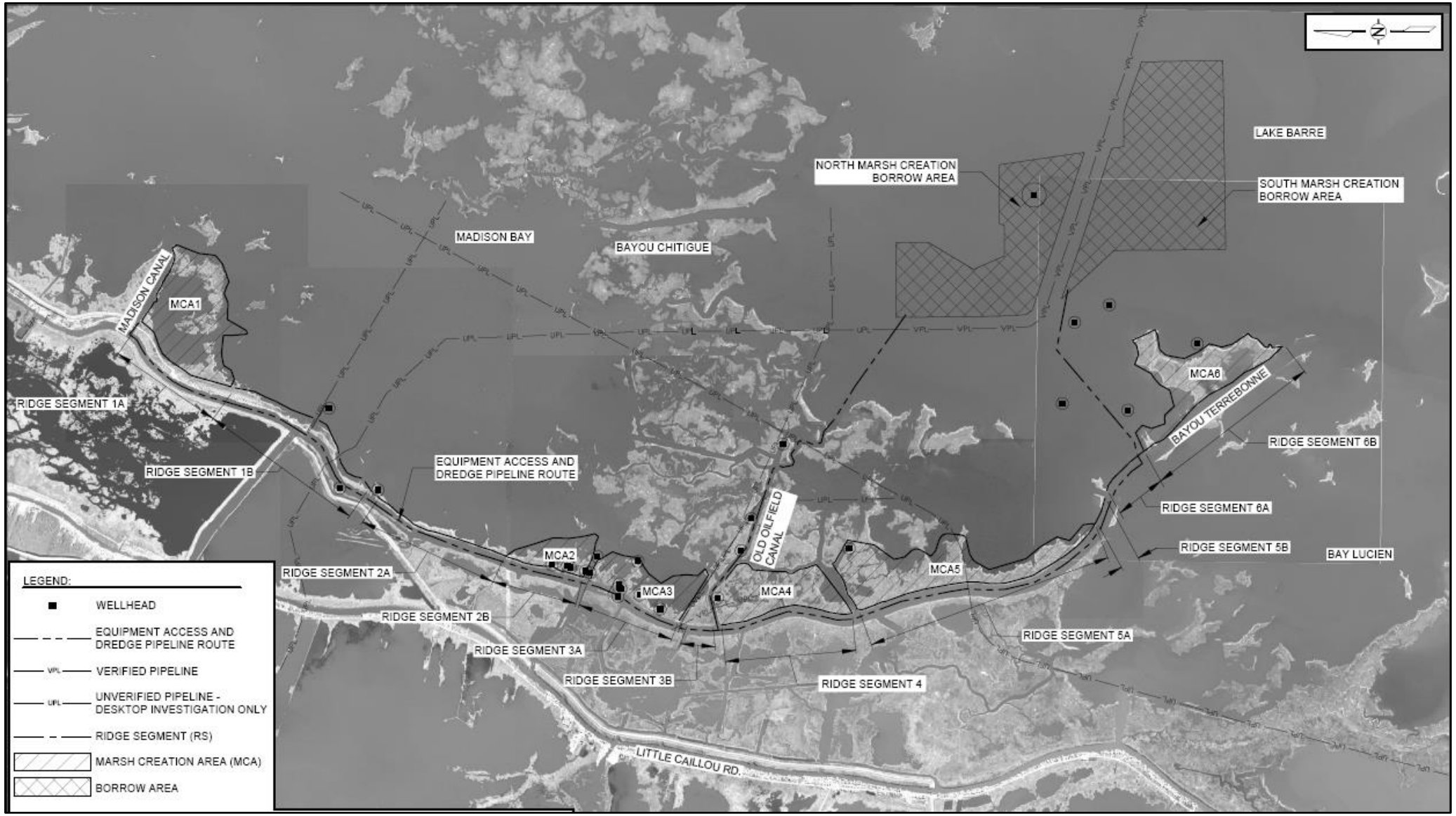


Typical Sections – Access Corridor

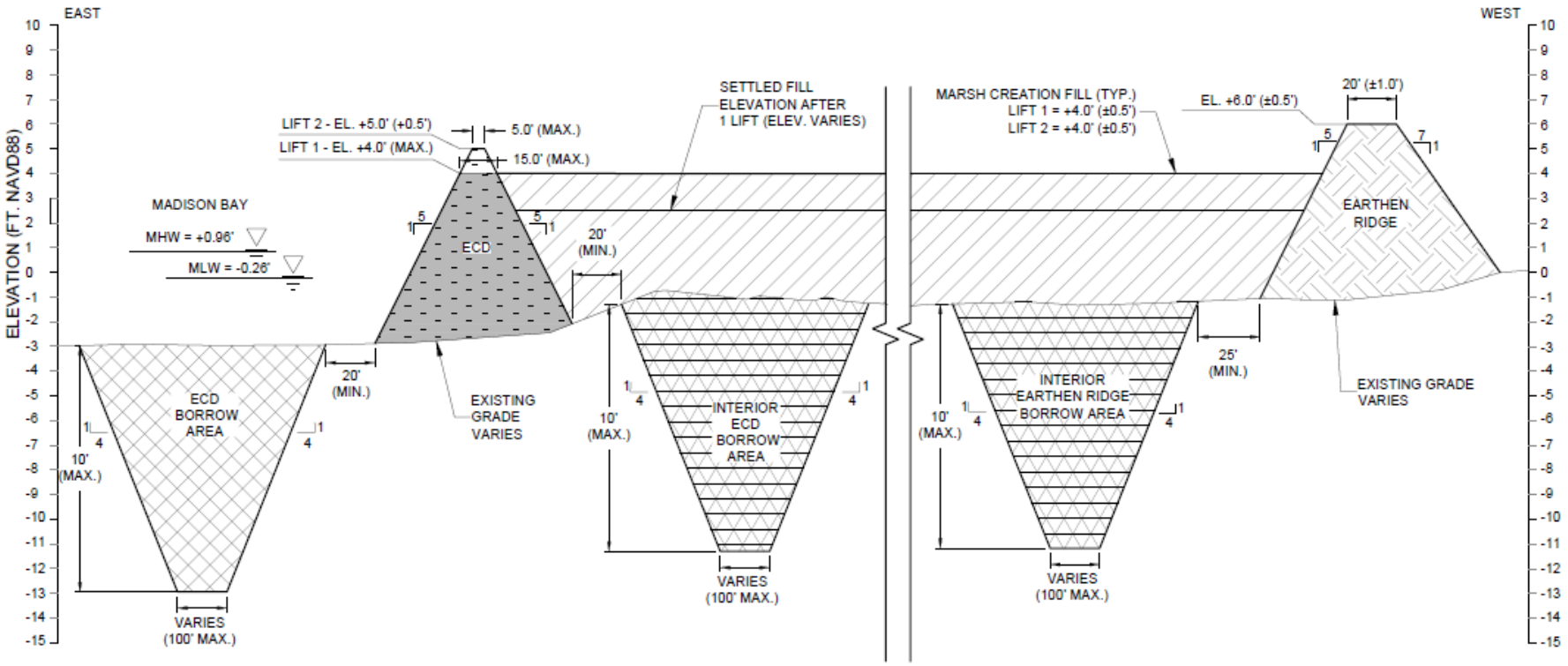


A 6, 7 TYPICAL SECTION - EQUIPMENT ACCESS AND DREDGE PIPELINE ROUTE

Plan View - MCA

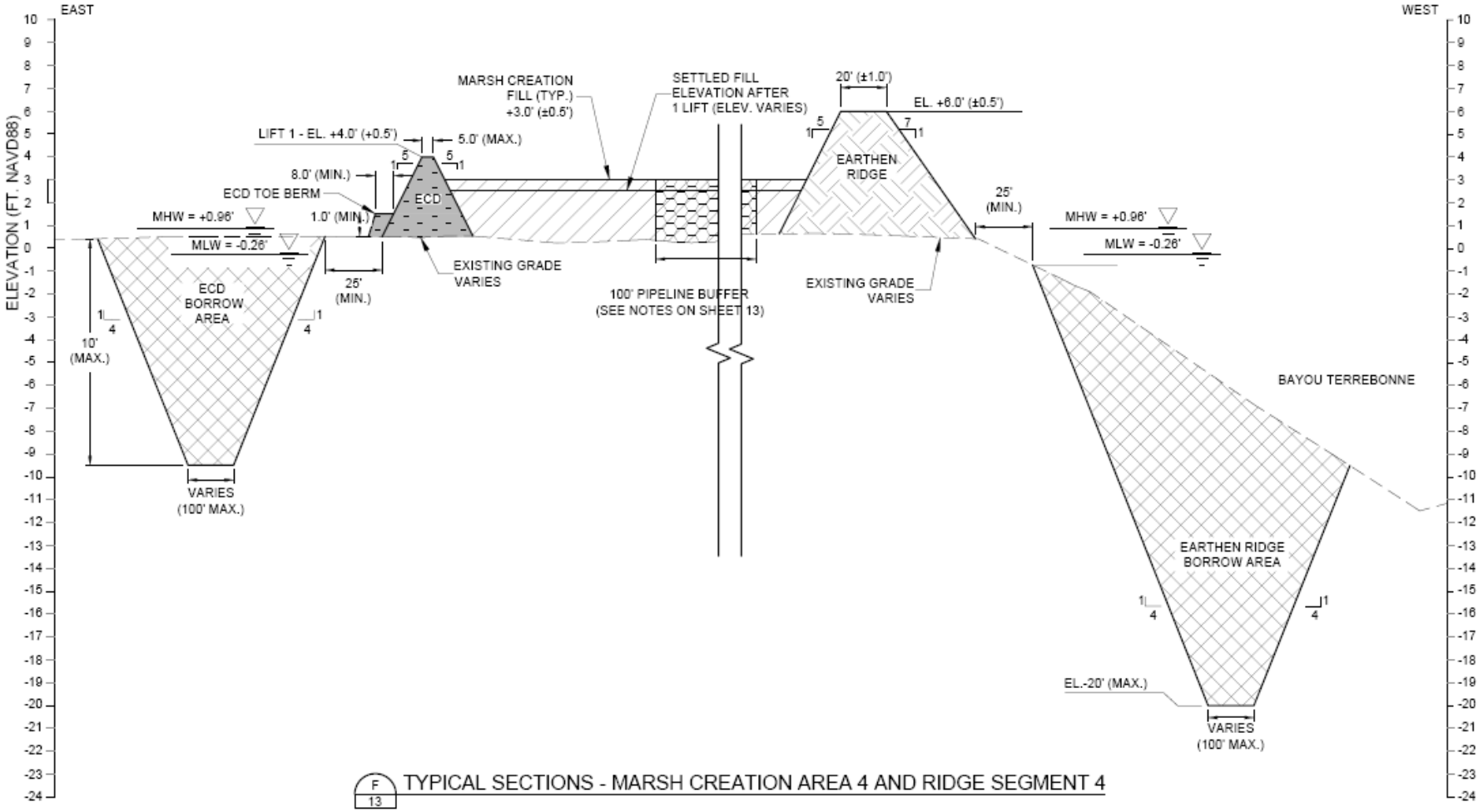


Typical Sections – MCA 1, 2, 3 (with ER)

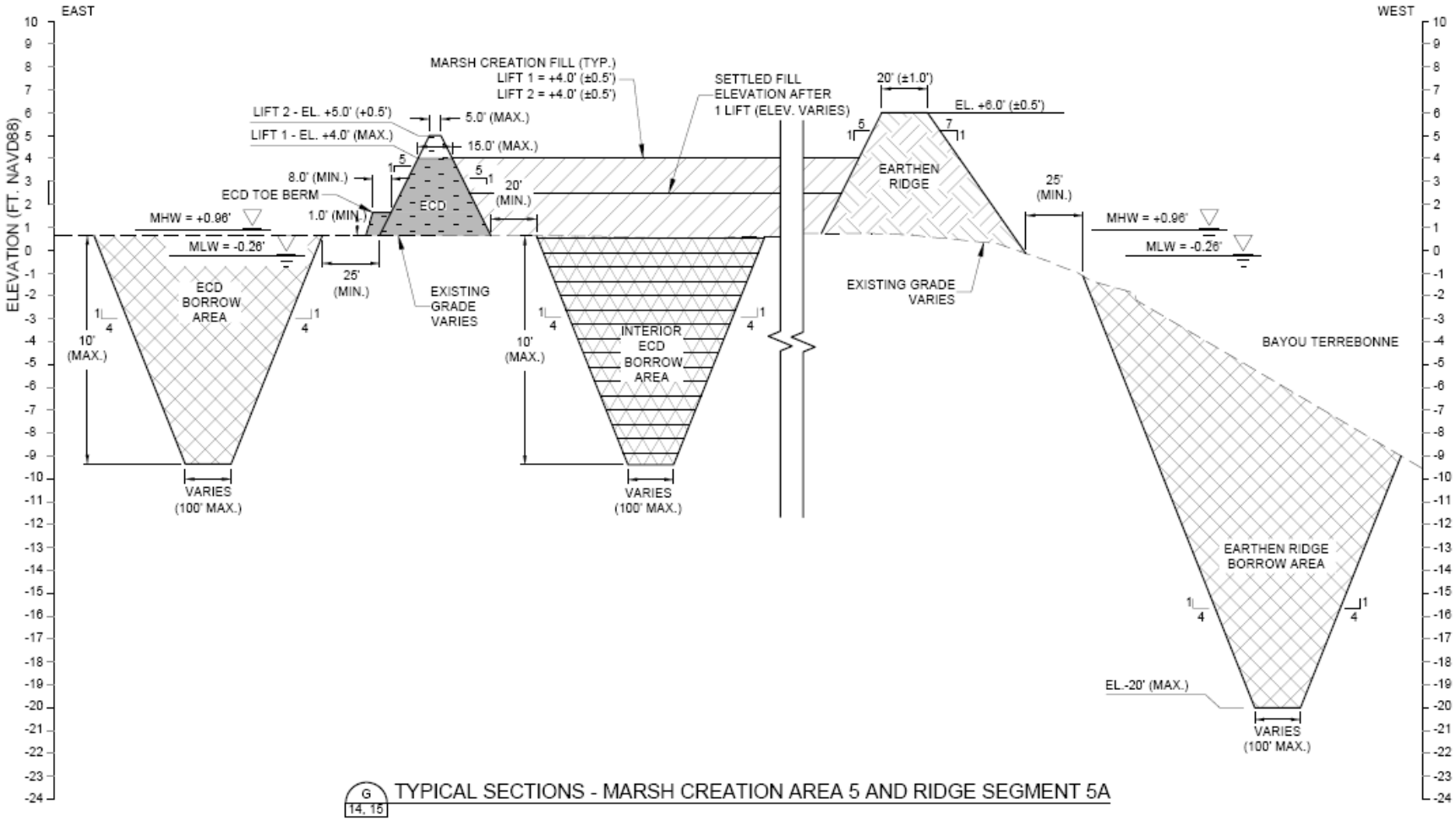


A 8 TYPICAL SECTIONS - MARSH CREATION AREA 1 AND RIDGE SEGMENT 1A

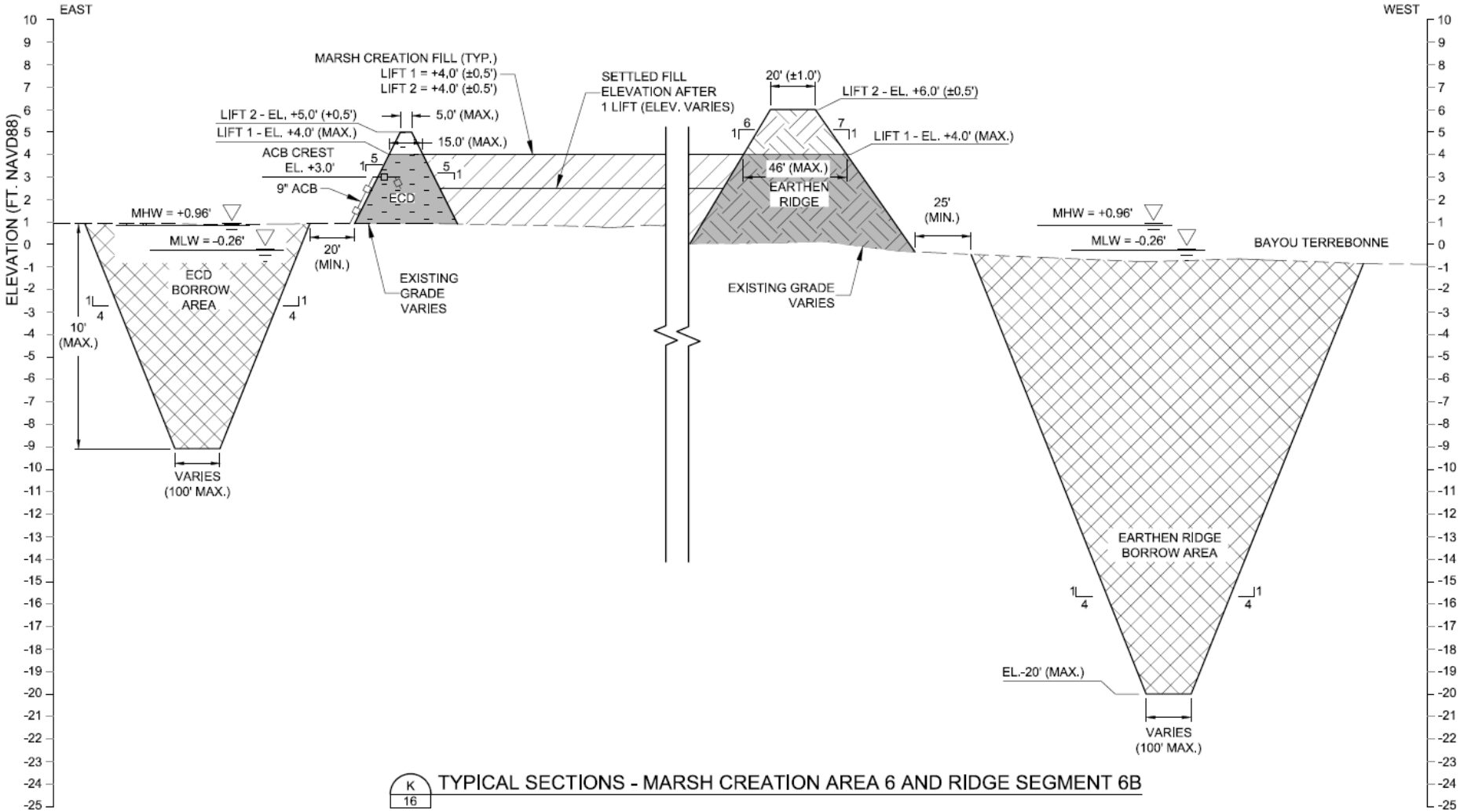
Typical Sections – MCA 4 (with ER)



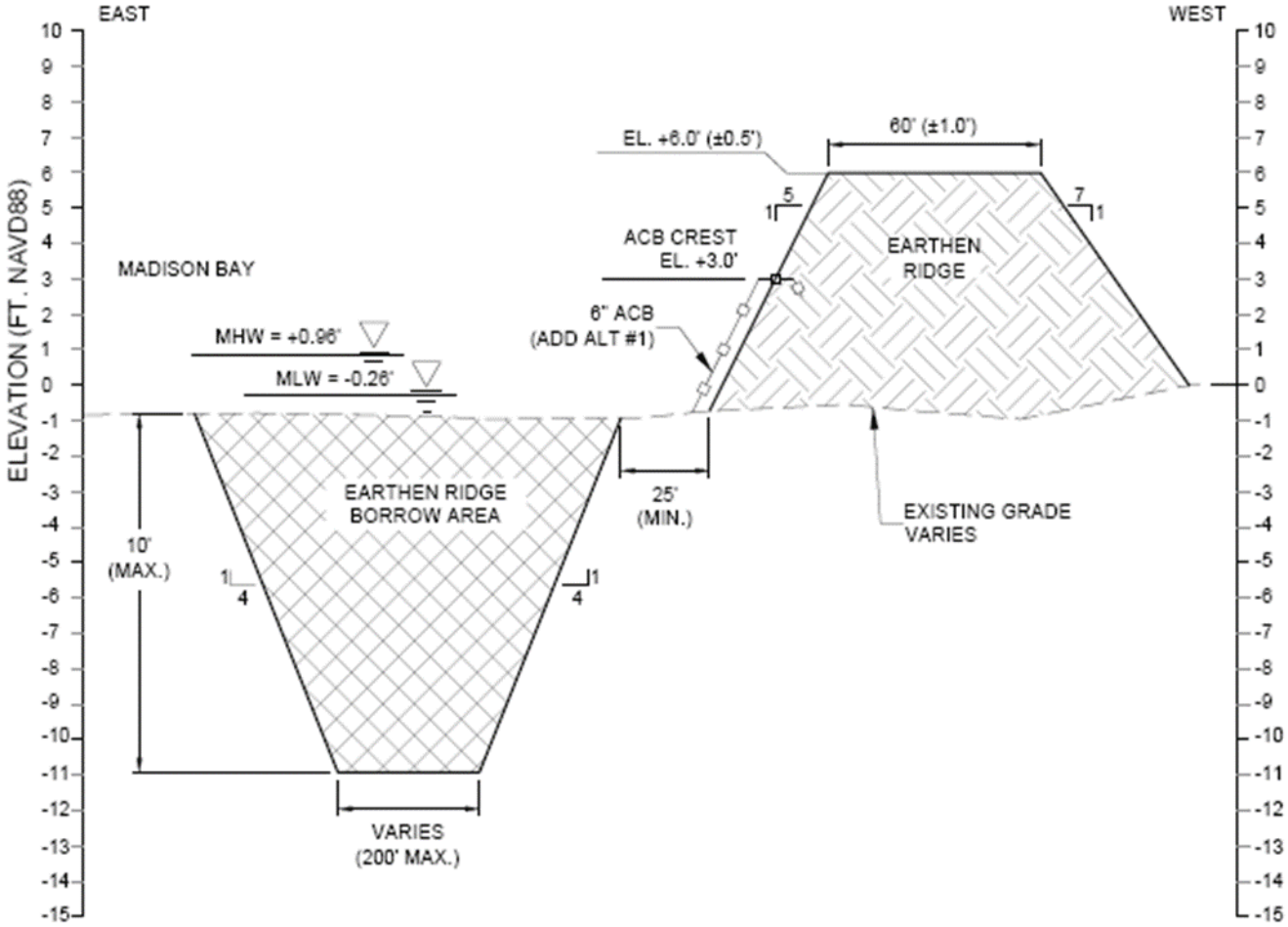
Typical Sections – MCA 5 (with ER)



Typical Sections – MCA 6 (with ER)

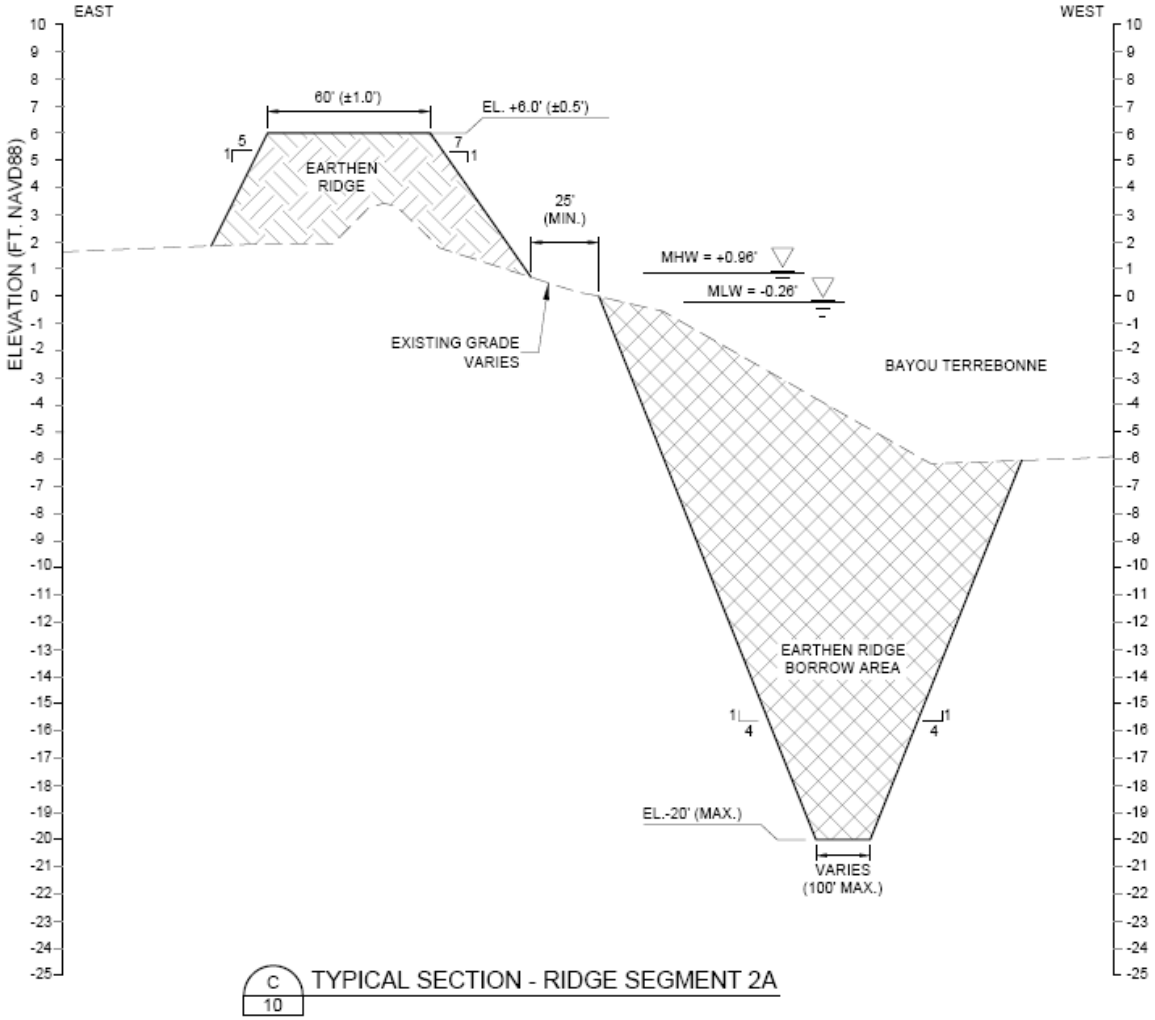


Typical Sections – Ridge Segment 1B



B
9
TYPICAL SECTION - RIDGE SEGMENT 1B

Typical Sections – Earthen Ridge



Estimated Project Quantities

ITEM NO.	DESCRIPTION	TECHNICAL SPECIFICATION	UNIT	ESTIMATED QUANTITY
1	Mobilization and Demobilziation	(TS-100)	LUMP SUM	1
2	Construction Surveys	(TS-210)	LUMP SUM	1
3	Grade Stakes	(TS-220)	EACH	165
4	Settlement Plates	(TS-250)	EACH	165
5	Eartthen Containment Dike	(TS-300)	LINEAR FOOT	66,407
6	Earthen Ridge Segement 1A	(TS-305)	LINEAR FOOT	4,805
7	Earthen Ridge Segement 1B	(TS-305)	LINEAR FOOT	6,866
8	Earthen Ridge Segement 2A	(TS-305)	LINEAR FOOT	5,874
9	Earthen Ridge Segement 2B	(TS-305)	LINEAR FOOT	3,355
10	Earthen Ridge Segement 3A	(TS-305)	LINEAR FOOT	4,968
11	Earthen Ridge Segement 3B	(TS-305)	LINEAR FOOT	1,000
12	Earthen Ridge Segement 4	(TS-305)	LINEAR FOOT	5,537
13	Earthen Ridge Segement 5A	(TS-305)	LINEAR FOOT	10,851
14	Earthen Ridge Segement 5B	(TS-305)	LINEAR FOOT	1,117
15	Earthen Ridge Segement 6A	(TS-305)	LINEAR FOOT	2,267
16	Earthen Ridge Segement 6B	(TS-305)	LINEAR FOOT	7,201
17	Hydraulic Dredging and Marsh Creation Area 1 Fill	(TS-400)	CUBIC YARDS	2,120,000
18	Hydraulic Dredging and Marsh Creation Area 2 Fill	(TS-400)	CUBIC YARDS	520,000
19	Hydraulic Dredging and Marsh Creation Area 3 Fill	(TS-400)	CUBIC YARDS	870,000
20	Hydraulic Dredging and Marsh Creation Area 4 Fill	(TS-400)	CUBIC YARDS	1,170,000
21	Hydraulic Dredging and Marsh Creation Area 5 Fill	(TS-400)	CUBIC YARDS	1,960,000
22	Hydraulic Dredging and Marsh Creation Area 6 Fill	(TS-400)	CUBIC YARDS	1,370,000
23	Articulated Concrete Block Mats	(TS-750)	LINEAR FOOT	8,811

Summary of Estimated Quantities:

- ~9.0M cubic yards fill
- ~66,000 linear feet of ECD
- ~54,000 linear feet of Earthen Ridge
- ~8,800 linear feet of 9” Articulated Concrete Block Mat (ACBM)
  - With up to an additional 10,009 linear feet of 6” ACBM via additive alternate

Schedule

Funding: NRDA

Permitting: In progress

Landrights/Servitude Agreements: In progress

Anticipated Advertisement: Q3/Q4

Construction Duration:
- Approx. 820 days

Pre-solicitation meeting – Planned for end of April 2022

NRDA Recreational Use Project Update

BA-0234 WHARF PHASE 1

BA-0237 DES ALLEMANDS BOAT LAUNCH

TV-0084 CHITIMACHA BOAT LAUNCH

JOSEPH C. WYBLE

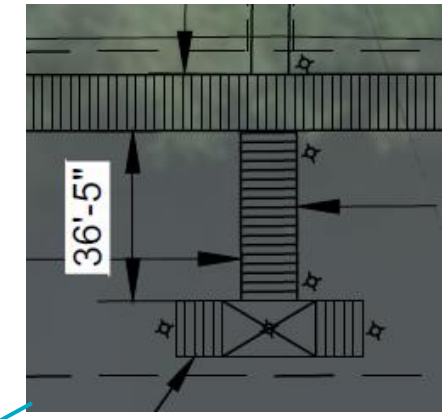
WHARF* Phase 1- Project Overview

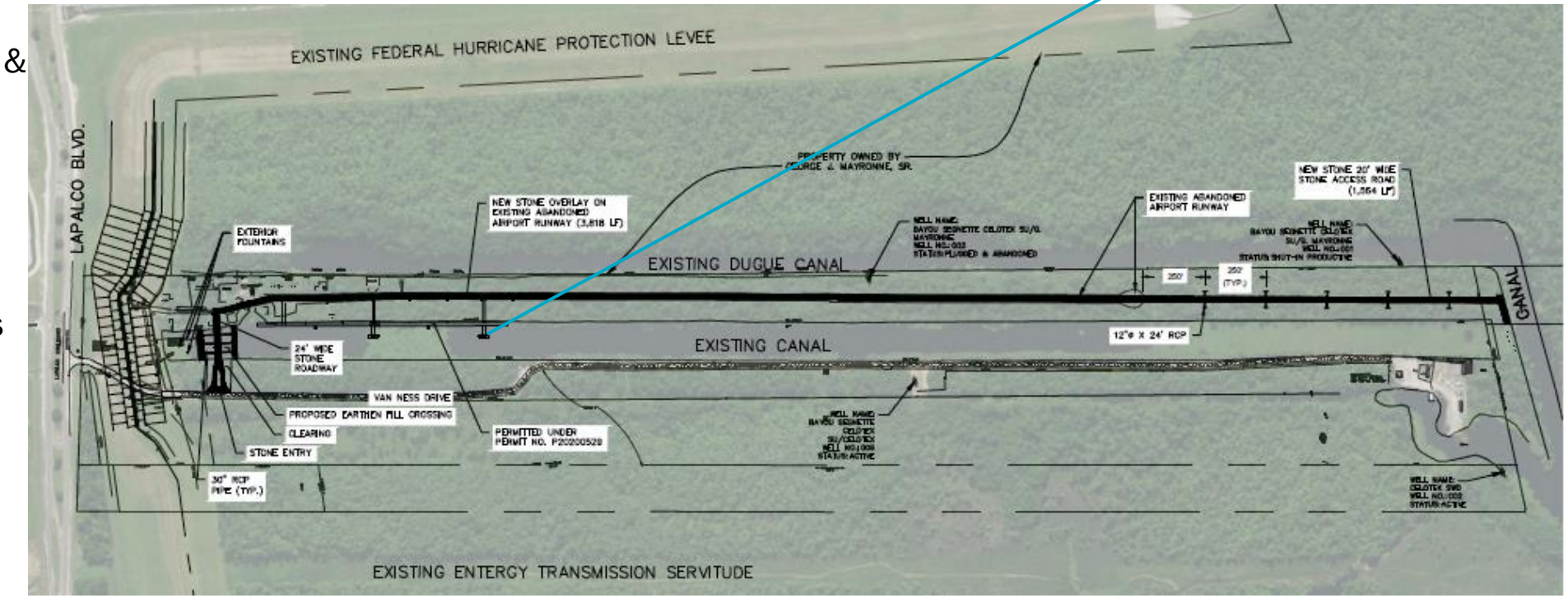
- Location: Westwego Airport Site, Lapalco Blvd. & Van Ness Drive, Westwego
- Project Lead: City of Westwego
- Design Firm: APTIM
- Approved Budget: $995K (NRDA Funding)

*Wetlands Harbor Activities Recreational Facility

WHARF Phase 1- Project Features

- 1,034 x 12’ wooden boardwalk
- (4) prefab steel rest shelters (2 ea. 10’ x 10’ & 12’ x 20’)
- (2) treated wood fishing piers (ea. 12’ x 40’)
- 1,376’ aluminum handrails for boardwalks & piers
- (14) aluminum lighting poles (16’ tall on 3’ concrete pedestals)
- ~275’ x 8’ sidewalk (4” thick)





WHARF Phase 1- Quantities/Schedule

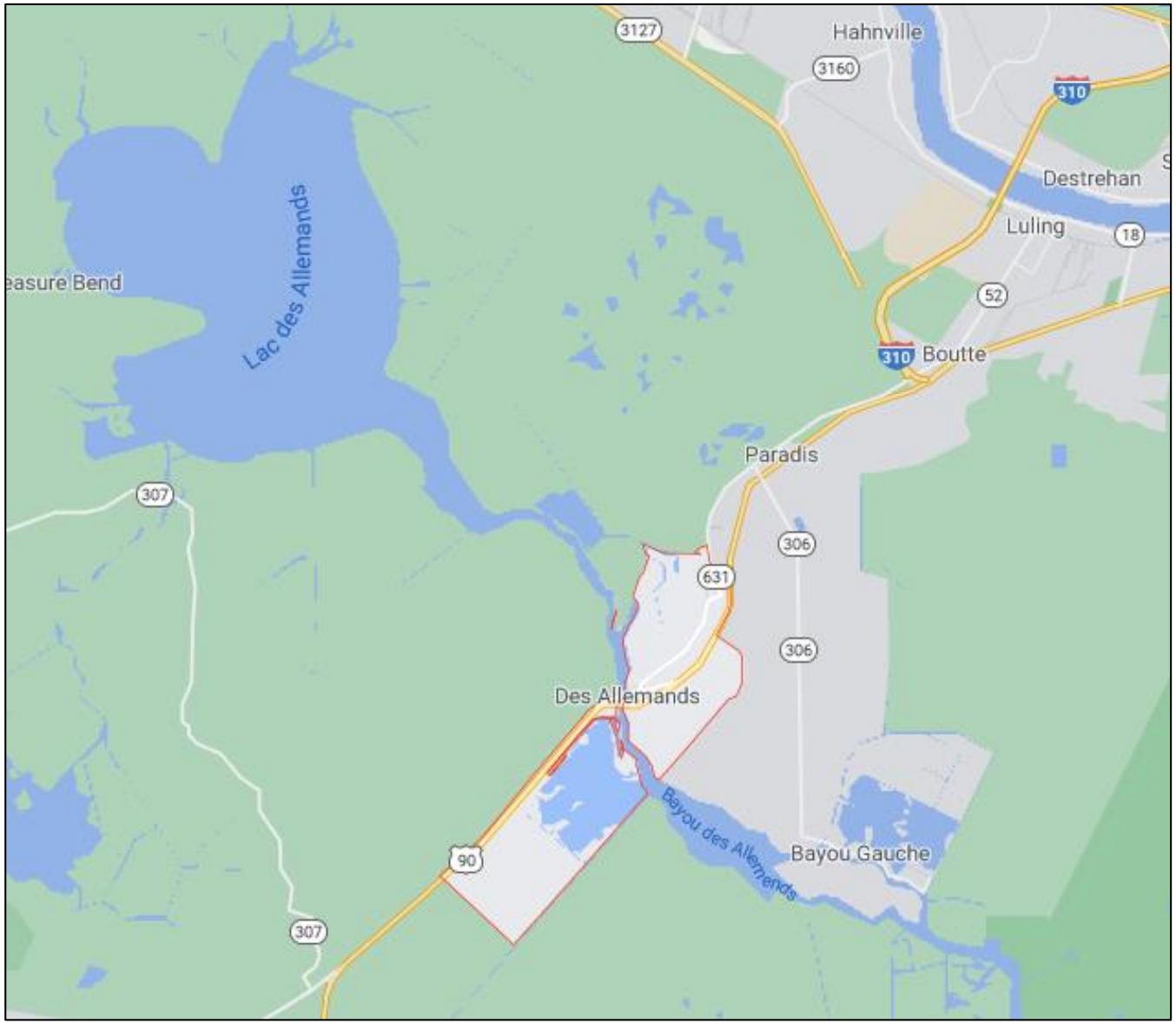
Feature	Quantity
Light Poles & Concrete Pedestal	16
2” Conduit for Electrical Wiring	1,200 LF
Wooden Boardwalk	1,176 LF
30” Timber Piles	7,140 LF
Aluminum Handrails	1,376 LF
Metal Roof	680 SF
Shelters	4
4” Concrete Sidewalk	169 SY
Mob, Site Layout, Contingency	LS

- Currently at ~85% E&D
  - Bid Adv. Summer 2022 (pending permit receipt)
  - CON Duration ~270 days (Est.)

- Project POC: Westwego Mayor’s Office (Robert Billiot, Mayor) (504) 347-5745

Des Allemands Boat Launch- Project Overview

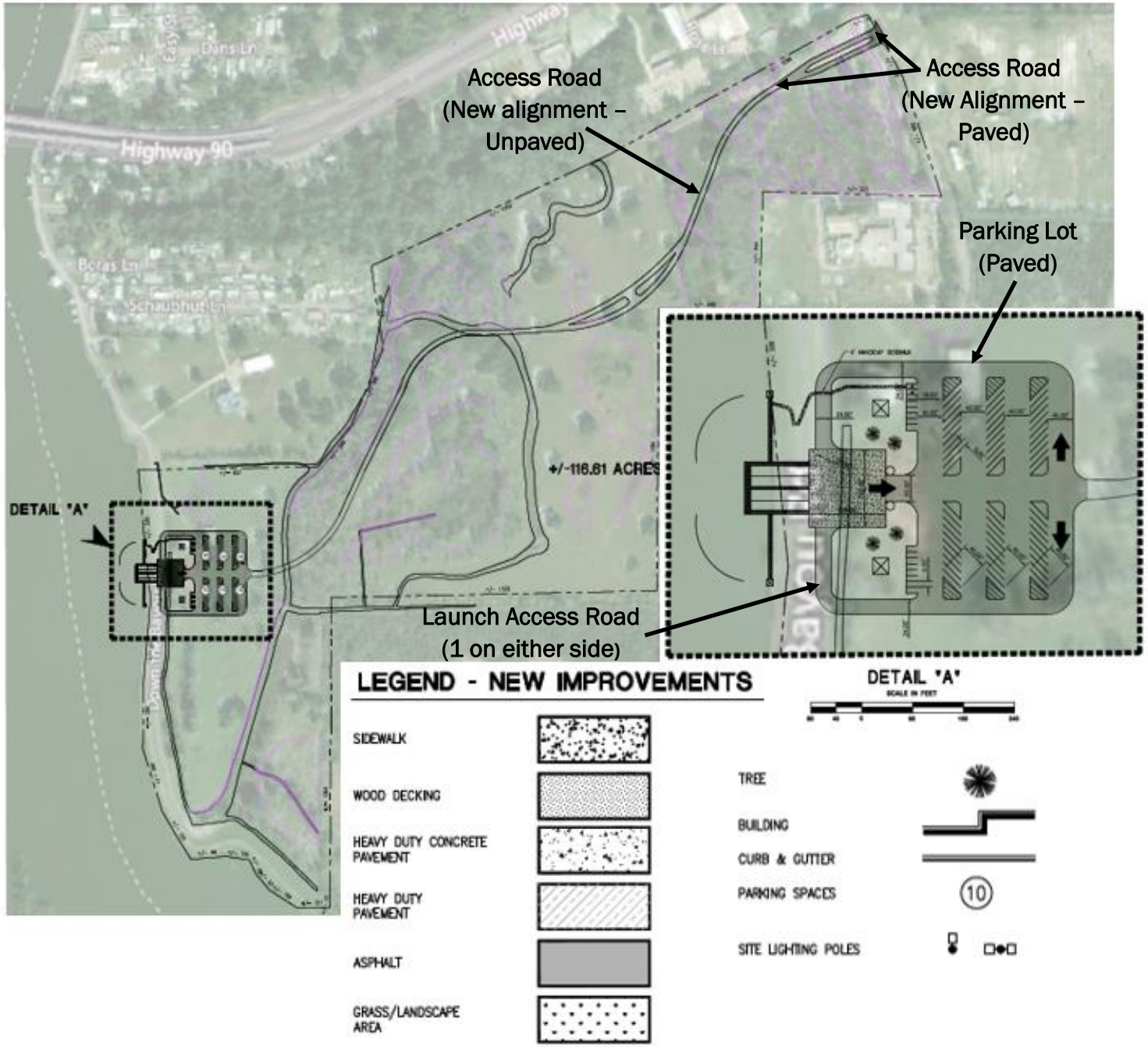
- Location: LA-632 and Bayou Des Allemands, St. Charles Parish
- Project Lead: St. Charles Parish
- Design Firm: Duplantis Design Group (DDG)
- Approved Budget: $1.84M (NRDA Funding)



Des Allemands-Project Features

Boat Launch Access

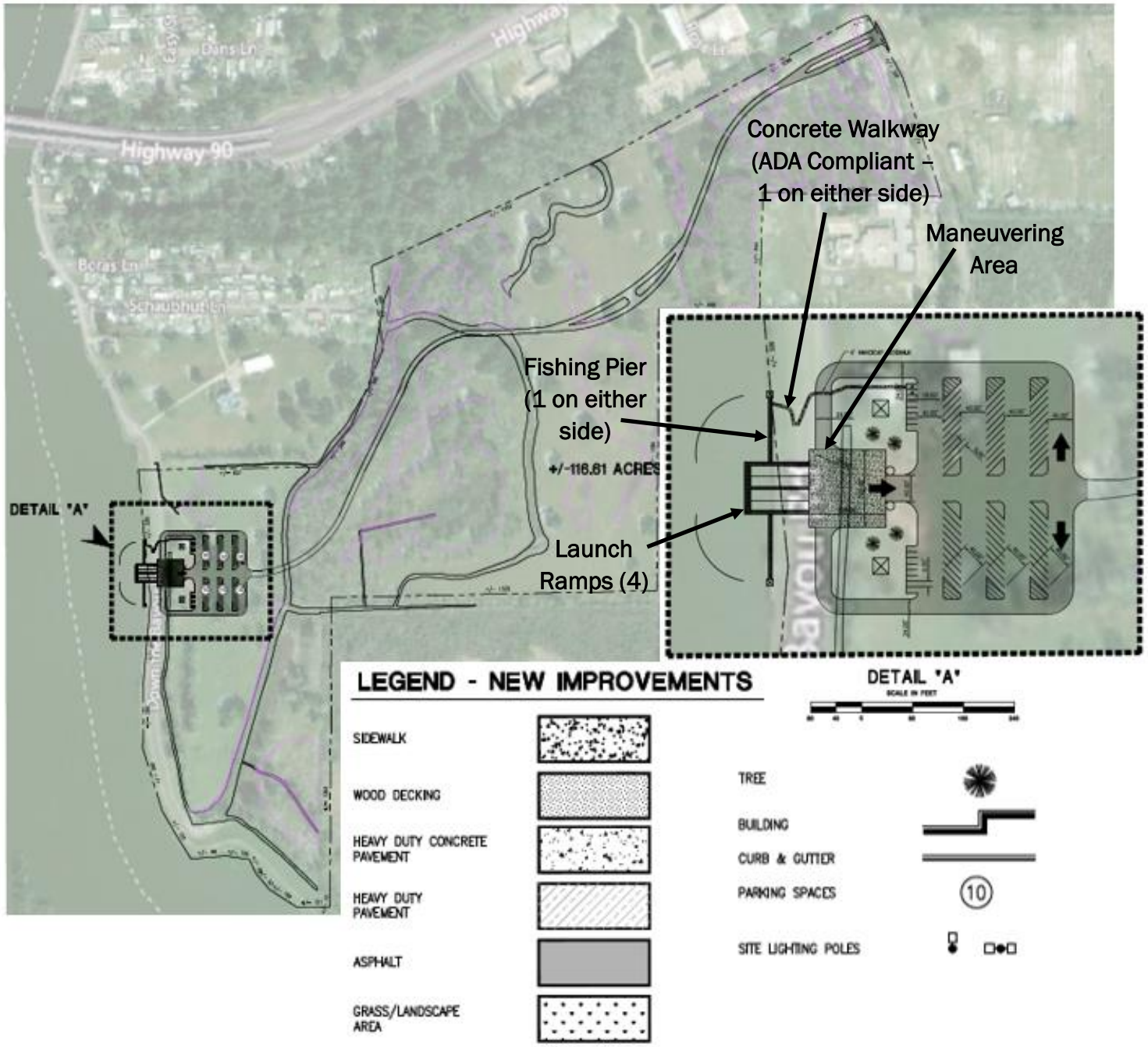
- 4,873’ × 22’ limestone access road from LA-632 (480’ paved asphalt at turnoff; crown Width: 5.0’)
- Asphalt parking lot, ≤60 vehicle/trailer spaces & 16 single car spaces(4 ADA-compliant)
- (2) paved access roads (est. 260’ x 30’ each) on either side of parking lot to access launch ramps



Des Allemands-Project Features

Boat Launch/Fishing Piers

- (4) concrete boat launch ramps (est. 90’ × 12’) with adjacent 14,400-ft^2 maneuvering area
- (3) 50’ × 8’ (400-ft^2) treated wood docks
- (2) 100’ × 7’ treated wood fishing piers
- (2) 4’ wide ADA-compliant concrete walkway (est. 270’ per walkway) for foot traffic from fishing piers to parking area



Des Allemands- Estimated Quantities

Access Road (Preliminary)

ITEM	DESCRIPTION	QTY	UNIT
1	Geogrid TX7 Option 1 Single layer[1]	15791	SY
2	Asphalt Road (4'' Thick)	14648	SY
3	Roadway Excavation (includes Haul Off) (Assume 30'')	13160	CY
4	Right of Way Clearing and Grubbing (25' offset)	8.61	ACRES
5	Fine Grading and Compaction	15791	SY
6	Entrance/WPA Culverts (24'' RCP, including DOTD Permit)	104	LF
7	Roadway Type 1 Catch Basins	2	EA
8	Culverts- (18'' RCP) Cross Drains @ 500' O.C.	256	LF
9	Grassing, Seeding at Road Shoulder (Hydro Seed)	2.87	ACRES
10	Roadway Timber Poles with Cobra Fixture @ 150' O.C.	27	EA
11	Relocation of Existing Light Poles by Entergy	1	LS
12	Roadway Signage	7	EA
13	Ditch Excavation Roadway (includes Haul Off)	3075	CY
14	Plastic Pavement Striping (4'' Wide, Solid)	1042	LF
15	72'' Culverts	128	LF

Des Allemands- Estimated Quantities

Launch/Piers (Preliminary)

ITEM	DESCRIPTION	QTY	UNIT
1	Geogrid TX7 Option 1 Single layer[1]	12697	SY
2	Asphalt Boat Parking Lot (4'' Thick)	12524	SY
3	Concrete Boat Launch	96	SY
4	Asphalt Component of Boat Ramp	1600	SY
5	Fill Sand for Boat Ramp	2666	CY
6	Wooden Dock	752	LF
7	Fine Grading and Compaction	15461	SY
8	Rip Rap	13.23	TON
9	Boat Parking Lot Excavation (includes Haul Off)	13193	CY
10	Right of Way Clearing and Grubbing- Parking Lot (25' Offset)	5	ACRES
11	Pre-cast Parking Stops	14	EA
12	Handicap Parking Signs	2	EA
13	Grassing, Seeding at Lot Perimeter (15' Offset)	2886	SY
14	Site Lighting With Cobra Fixtures	12	EA
15	Drainage Ditches Along Sides of Parking Area	200	CY
16	Pavement Striping	2412	LF
17	Sidewalks Over Levee to Launch (ADA Slopes)	911	SF
18	Temporary PZ-27 Sheet Pile (For Dewatering)	240	LF
19	Dry Fire Hydrant	2	EA
20	DNR Fill Costs for Water Bottoms	4527	CY
21	Muck Out 4' at Drainage Canal (Exist. EL -4') (Includes Haul	217	CY

Des Allemands- Schedule

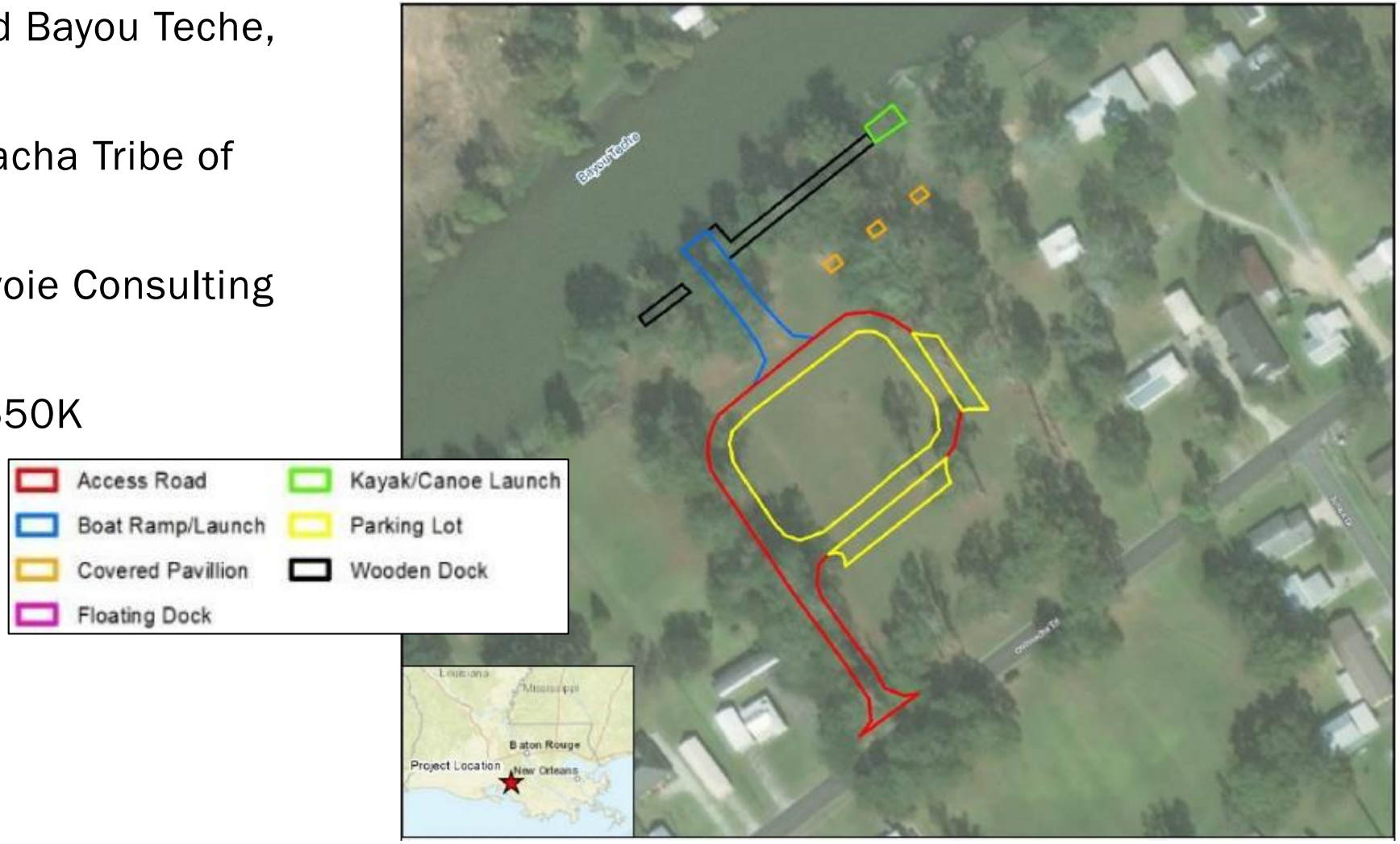
- Currently in E&D
  - Geotech/surveys underway
  - Permitting in progress

- CON to involve 3 stages:
  1. Access Road: Apr 2023 – Apr 2024
  2. Parking/Launch Surcharge: Apr 2023 – Apr 2024
     (3 mo. to place; 6-9 mo. for compaction)
  3. Boat Launch/Parking: May 2024 – Dec 2024

- Project POC: Carla Chiasson
  St. Charles Parish Grants Officer Grants Officer
  (985) 783-5165
  cchiasson@stcharlesgov.net

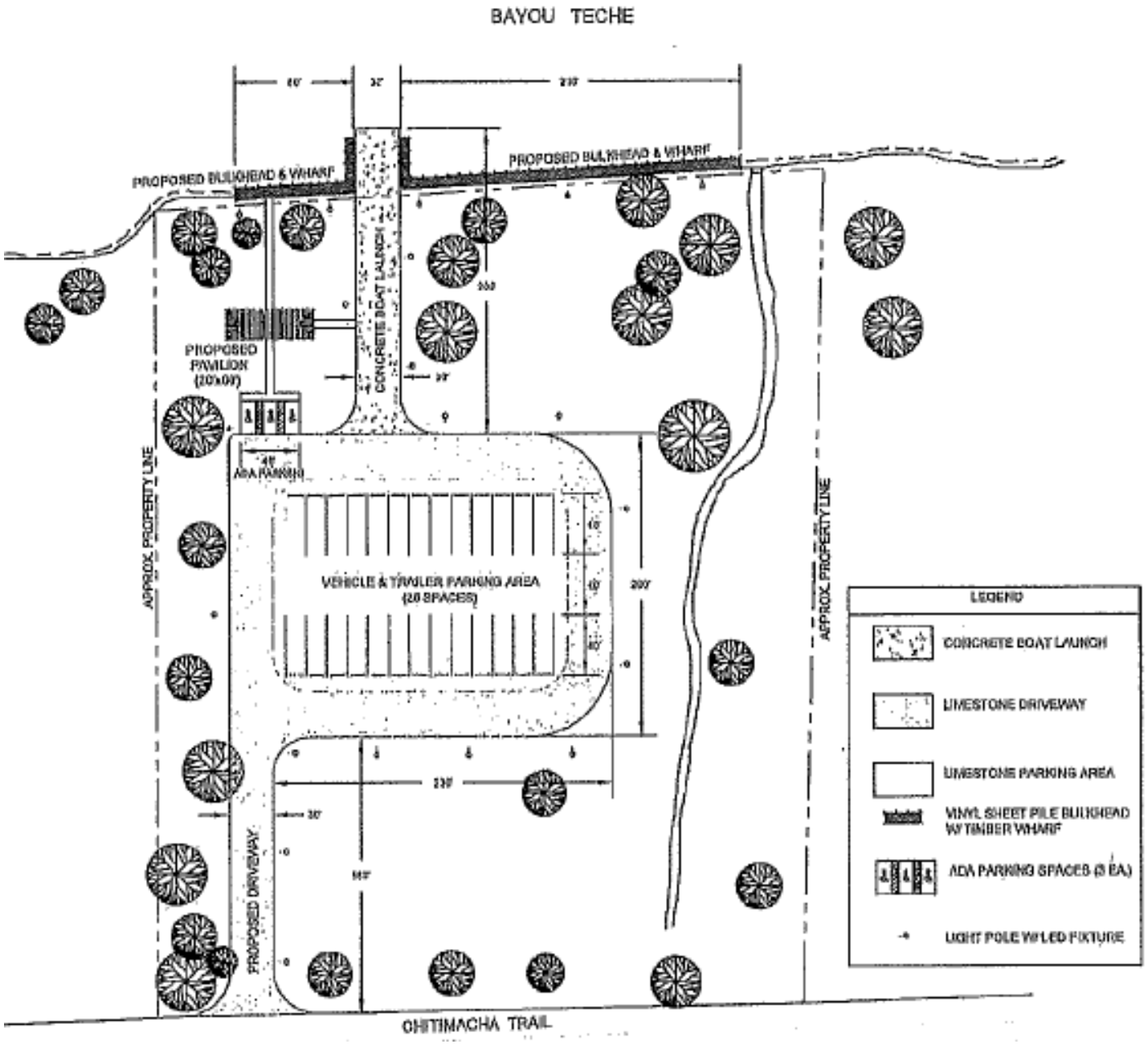
Chitimacha Boat Launch- Project Overview

- Location: LA-236 and Bayou Teche, Jeanerette
- Project Lead: Chitimacha Tribe of Louisiana
- Design Firm: C.J. Savoie Consulting Engineers
- Approved Budget: $650K



Chitimacha-Project Features

- 50,880-ft^2 paved parking lot with >22 vehicle + trailer spaces
- 160’ × 30’ paved boat ramp from parking lot to Bayou Teche
- (2) treated wood docks totaling 3,360 ft^2



Chitimacha- Estimated Cost*

*Quantities under development

Project Feature	Preliminary Cost Est.
Site Clearing	$20,000
Excavation and Embankment	$50,000
Road and Parking Aggregate	$94,014
Boat Ramp & Abutment Paving	$210,048
Vinyl Sheet Pile Bulkhead	$134,400
Dock Framing & Timber Decking	$41,300
Signage & Security Lighting	$24,500
Mobilization	$5,000
TOTAL	**$579,262**

Chitimacha- Schedule

- Currently in Preliminary E&D
  - Geotech collection complete (report in progress)
  - Topo surveys scheduled
  - Recommendations, revised costs, alternative layouts to be provided upon completion of geotech/survey analysis
- E&D/Permitting Duration ~150 days from layout selection (est.)
- Bid Adv. ~Oct 30 (Est.)
- CON Duration ~120 days (Est.)

- Project POC: Kim Walden
  Cultural Director, Chitimacha Tribe of LA
  (337) 923-9923
  kim@chitimacha.gov

Connecting People to the Coast