

ADDENDUM 03 TO BID DOCUMENTS

FOR

**BAYOU DE CADE RIDGE AND MARSH
CREATION PROJECT
(TE-0138)**

TERREBONNE PARISH, LOUISIANA

JUNE 26, 2020



**STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION
AUTHORITY**

ADDENDUM 03 TO BID DOCUMENTS

Bayou De Cade Ridge and Marsh Creation Project

(TE-0138)

The clarifications and revisions in this addendum supersede the requirements in the Bid Documents dated May 2020. The Successful bidder will be issued a complete revised set of plans and specifications. Bidders shall acknowledge receipt of this addendum in the Louisiana Public Work Bid Form.

Bidders shall acknowledge receipt of this addendum in the Louisiana Public Work Bid Form.

1. PREVIOUS ADDENDA DATES OF ISSUE

- a. Addendum 01:** June 17, 2020
- b. Addendum 02:** June 24, 2020

2. ADDITIONAL SPECIFICATIONS

TS-200.9.14 Marsh Creation Area Borrow Area

The Marsh Creation Borrow Area As-Built Survey shall incorporate the previously accepted Process Surveys of the Marsh Creation Borrow Area as part of this As-Built submittal. The Contractor shall develop drawings which include the cross sections, plan views, elevations, and volumes from the accepted Process Surveys. Bathymetric surveys not tide corrected in real-time will not be accepted. The dates, elevations, and volumes for each Process Survey shall be superimposed onto the Marsh Creation Borrow Area plan views. The As-Built quantities of material borrowed shall be stated in cubic yards.

TS-200.9.15 Equipment Access Corridors

A bathymetric and/or topographic survey shall be performed along the centerline of the Equipment Access Corridors upon demobilization.

3. PRE-BID PRESENTATION

The Presentation for the Pre-Bid Conference is provided in PDF format in Appendix A of the Addendum.

4. NON-MANDATORY PRE-BID ATTENDANCE RECORD

The Attendance Record for the Non-Mandatory Pre-Bid Conference is attached in Appendix B of the Addendum.

ADDENDUM 03 TO BID DOCUMENTS

Bayou De Cade Ridge and Marsh Creation Project

(TE-0138)

APPENDIX A: PRE-BID PRESENTATION

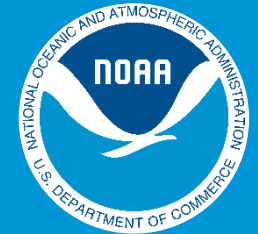
TE-0138 Bayou De Cade Ridge & Marsh Creation Project

Non-Mandatory Pre-Bid Conference

June 24th, 2020 at 1:30 PM



Coastal Protection and
Restoration Authority of Louisiana



Meeting audio may be accessed through your computer/device. If your computer/device does not have audio, meeting audio can be accessed via phone with the following call-in information:

Conference Line Phone Number: USA 216-706-7075

Access Number: 795396

CWPPRA Project Sponsors and Team



Local Sponsor/Owner

Project Manager: April Newman
Engineer of Record: Thomas McLain, P.E.
Construction Manager: Brian Babin, P.E.



Federal Sponsor

Project Managers: Jennifer Smith
Donna Rogers, Ph.D
Jason Kroll

Bid Documents and Addenda

- ❑ Complete bid documents and addenda are available for review on the Louisiana Coastal Protection and Restoration Authority website.

www.coastal.la.gov

Bidder Questions

- ❑ Please submit Questions regarding the bid by **COB Friday, July 3rd**

cpra.bidding@la.gov

- ❑ Questions regarding the bid must be submitted in writing to the CPRA contact listed in the Advertisement for Bids
- ❑ All verbal responses given at this conference are nonbinding

Bids are due by 2:00 pm July 15, 2020

Hand Delivery

Coastal Protection and
Restoration Authority
150 Terrace Ave
Baton Rouge, LA 70802

Registered or Certified Delivery

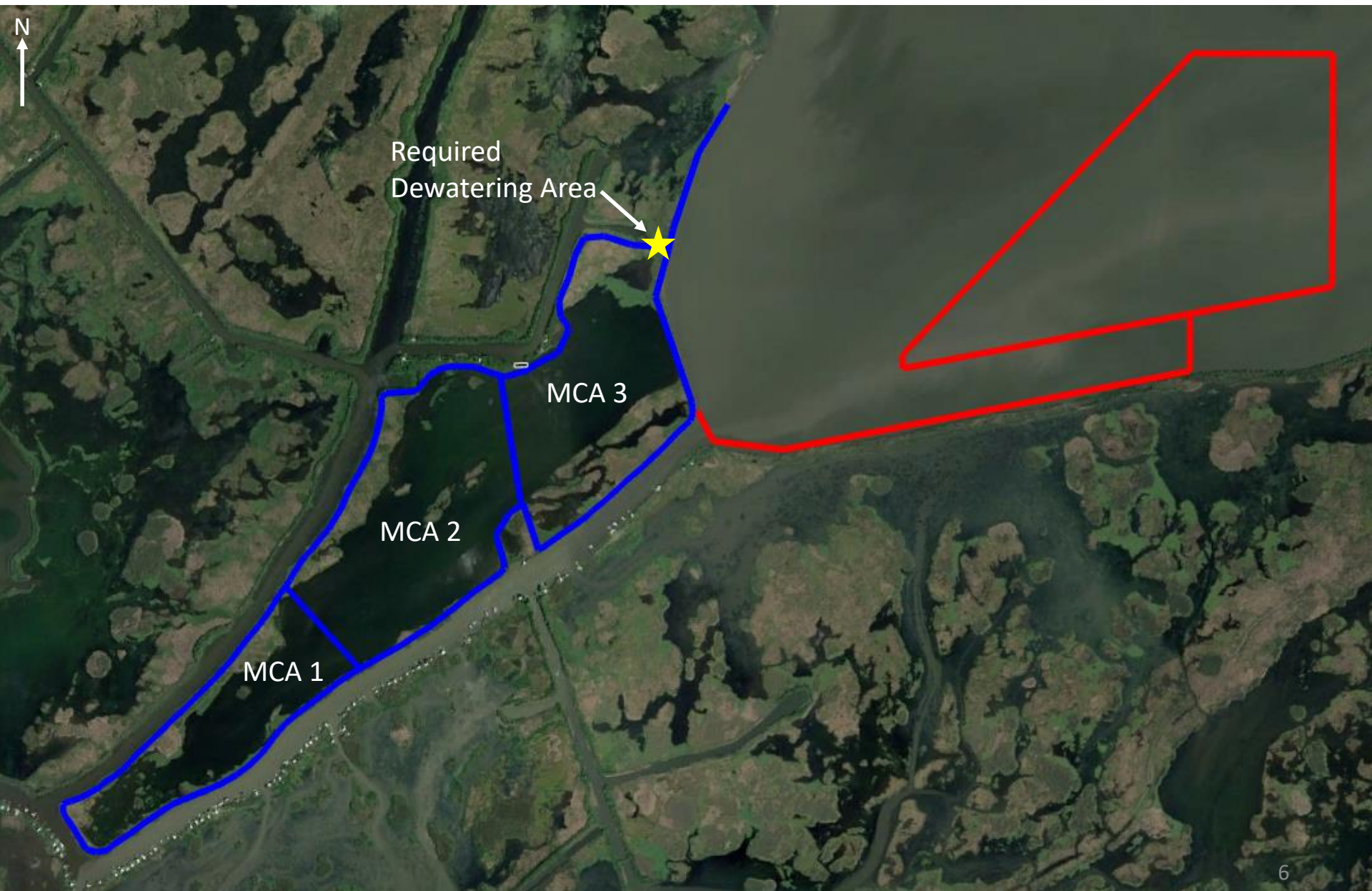
Coastal Protection and
Restoration Authority
P.O. Box 44027
Baton Rouge, LA 70804-4027

Project Overview



Looking East toward Lake De Cade from marsh creation area

Project Overview



Land Rights

Land Owner

Apache Louisiana Minerals LLC

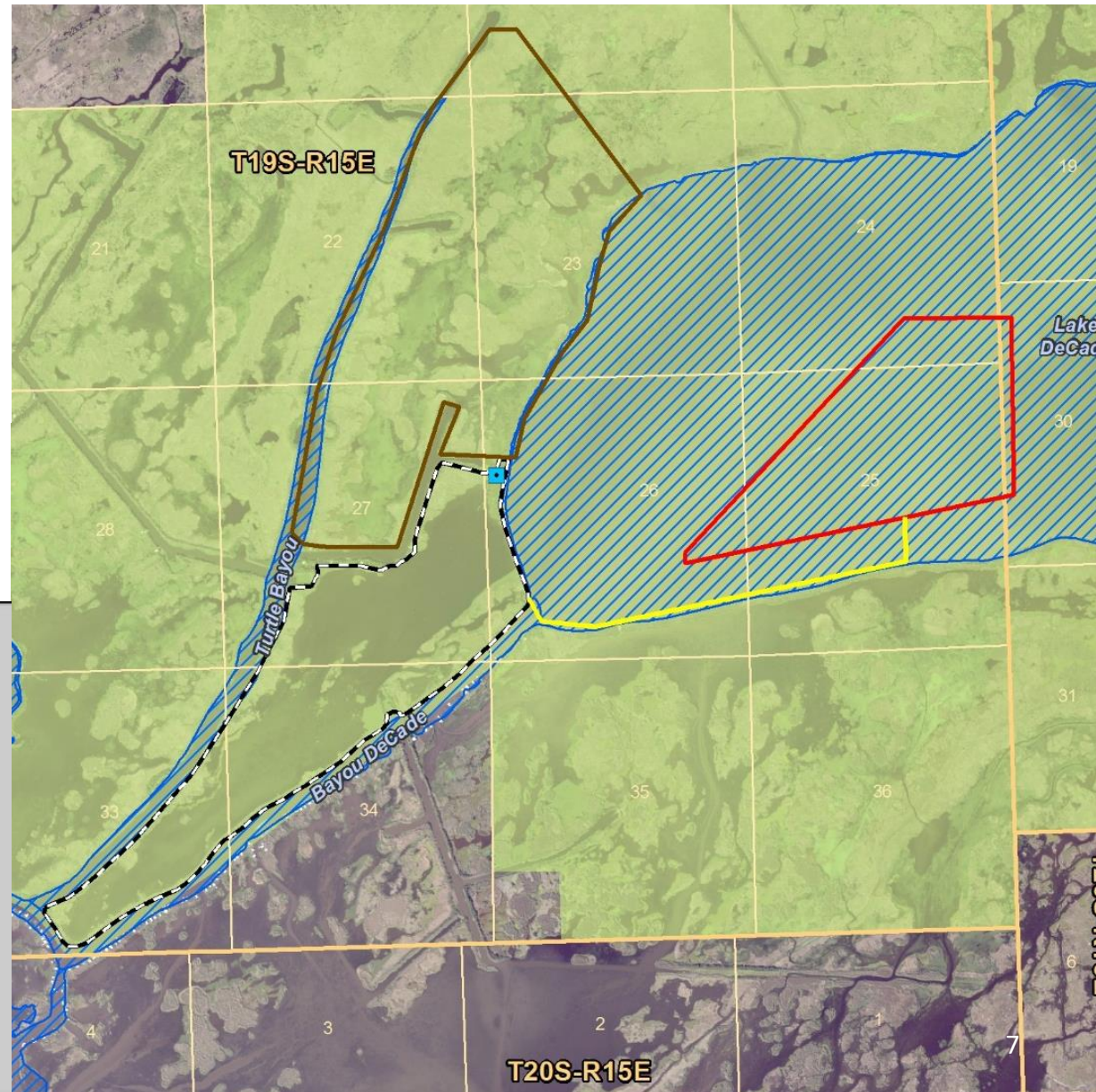
Contact: Tim Allen

985-879-3528 ext. 871

State Water Bottoms

State Land Office

Office: 225-342-4578



Permits

- ❑ Owner has secured the following permits:
 - Department of the U.S. Army Permit
 - Expires: 12/19/2024
 - Consistency Determination from the LDNR
 - Water Quality Certification from the LDEQ
 - Fill Permit from the LDWF

Contract Time

- ☐ The contract time shall be **500** consecutive calendar days from issuance of the Notice to Proceed.

Liquidated Damages

- ☐ Liquidated damages in the sum of **\$4,000.00** shall be deducted from any money due to the Contractor for each consecutive calendar day the Work remains incomplete beyond the Contract Time or as amended by Change Order.

Retainage

- ☐ In addition to any Ratio of Effort and Withholdings, a retainage of 5% to be withheld for a minimum of 45 days after final acceptance to ensure that all liens are released.

Schedule of Bid Items

Item No.	Work or Material	Quantity	Unit
1	Mobilization/Demobilization (TS-100)	1	LS
2	Construction Surveys (TS-200)	1	LS
3	Grade Stakes (TS-220)	42	Each
4	Settlement Plates (TS-250)	7	Each
5	Instrumented Settlement Plates (TS-251)	1	LS
6	Earthen Containment Dikes (TS-300)	15,144	LF
7	Internal Training Dikes (TS-301)	3,442	LF
8	Shoreline Containment Dikes (TS-302)	2,291	LF
9	Earthen Ridge (TS-303)	11,177	LF
10	Dewatering Containment Dikes (TS-304)	2,247	LF
11	Clearing and Grubbing (TS-323)	1	LS
12	Marsh Creation and Nourishment (TS-400)	2,819,050	CY
13	Weir Removal/Barrier Installation (TS-1115)	1	LS

Work Plan (SP-7)

1. Progress Report and Schedule (GP-9, GP-10);
2. Hurricane and Health and Safety Plan (GP-11, GP-12);
3. Dredge data sheet(s) (Appendix J);
4. Equipment data sheets (Appendix K);
5. Layout and schedule of all work (Surveys, equipment routes, pipeline alignments, staging areas, etc.);
6. Dike breach repair procedures and communications protocol.

Notice to Mariners and Aids to Navigation (SP-15,17,18, & TS-150)

1. A copy of the Notice to Mariners shall be provided to the Engineer prior to dredging or excavation.
2. After consultation with the USCG, the contractor shall provide the type and location of any necessary aids to navigation to the Engineer.

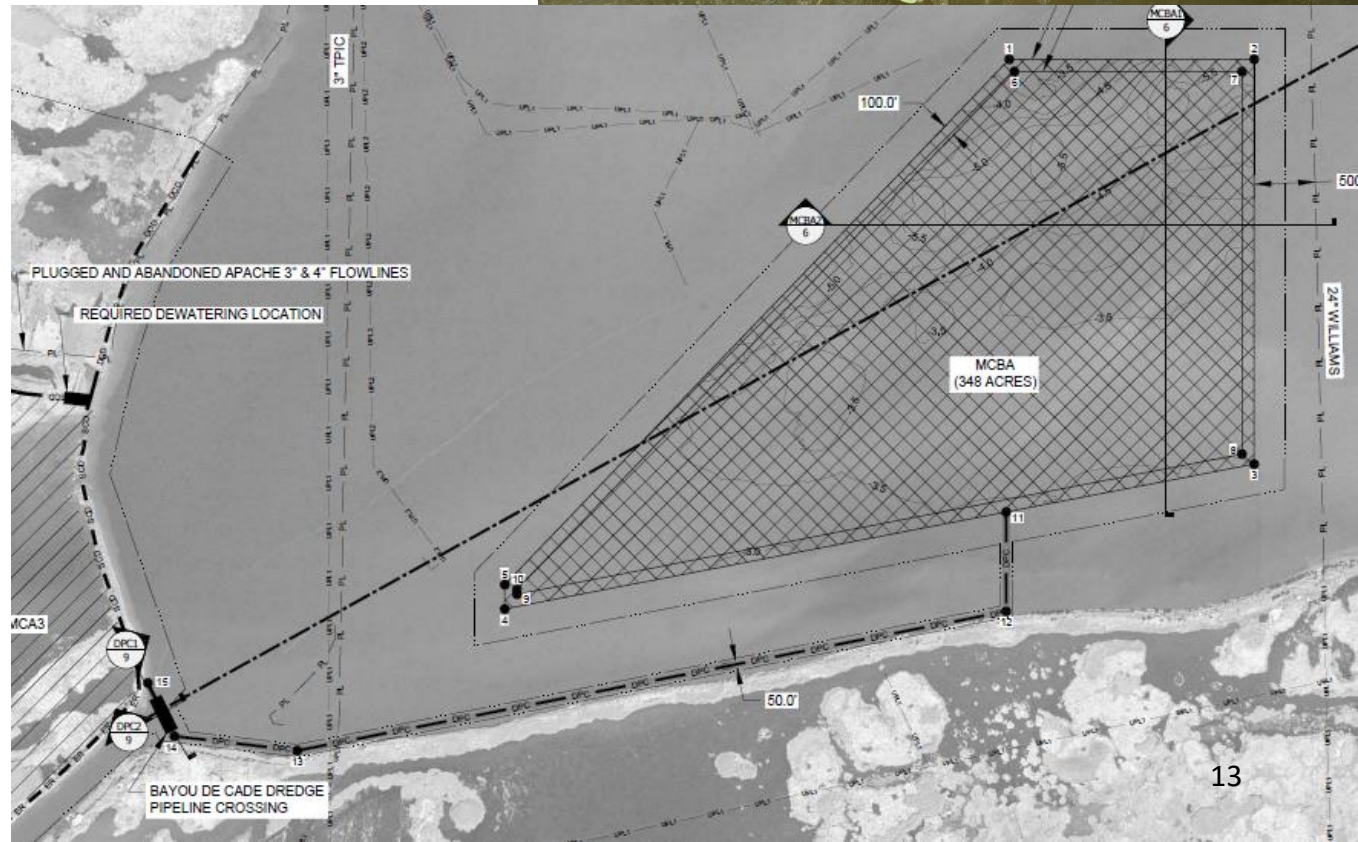
Contractor Notifications

1. Land owners, utility operators and Louisiana One-Call prior to construction;
2. Engineer before performing surveys and after field work is complete;
3. Engineer regarding noncompliance with permit conditions (Borrow area, etc.);
4. Engineer regarding dike breaches;
5. Engineer regarding discovery of historical or cultural artifacts;
6. Engineer regarding Request for Final Inspection.

EXISTING INFRASTRUCTURE

Verified Pipelines in Project Area

- Plugged and Abandoned Apache 3" & 4" Flow Lines
 - Along Dewatering Containment Dike Alignment
- 3" TPIC
 - Will require Coordination with TPIC prior to installation of Dredge Pipeline over TPIC
- 24" Williams (Active)
 - Outside of Borrow Area



Mobilization & Demobilization

TS-100 Mobilization and Demobilization

Provide all labor and equipment necessary to move personnel, equipment, construction materials (including dredge pipeline), and incidentals to and from the Project Site.

Measurement and Payment:

Payment shall be made at contract lump sum price for Bid Item No. 1, “Mobilization & Demobilization (TS-100)”.

Ratio of Effort:

- ☐ **25%** upon confirmation of both the start of Earthen Containment Dike/Earthen Ridge construction and the establishment of the Office for Owner
- ☐ **50%** upon completion of the entire hydraulic dredge pipeline to MCA 1 and confirmation of the hydraulic dredge mobilization to the Project Site
- ☐ **25%** upon final acceptance of the work and confirmation of the removal of all equipment and unused materials

Construction Surveys

TS-200 Construction Surveys

- ☐ Vertical Control: NAVD88 Geoid 12A Epoch 2010.00
- ☐ Horizontal Control: NAD83, Louisiana South Zone

☐ **Pre-Construction Surveys TS-200.7**

- ☐ **ALL** Pre-Construction Survey Transects Shall have a Magnetometer Survey Performed
- ☐ Significant Magnetic Detections TS-200.7.5
 - ☐ All Anomalies with Amplitudes Greater than **50 Gammas** Shall be Identified with 30' Closed Loop Path and Probing

☐ **Process Surveys TS-200.8**

☐ **As-Built Surveys TS-200.9**

- ☐ Monuments used for Design:
 - ☐ TE28-SM-A
 - ☐ TE34-SM-01

Measurement and Payment:

Payment shall be made at contract lump sum price for Bid Item No. 2, "Construction Surveys (TS-200)".

Ratio of Effort:

- ☐ **50%** of the lump sum cost will be paid following acceptance of the Pre-Construction Surveys, excluding the Marsh Creation Pre-Construction Surveys
- ☐ **30%** of the lump sum cost will be paid following acceptance of all Process Surveys
- ☐ **20%** of the lump sum cost will be upon acceptance of the complete set of As-Built Surveys

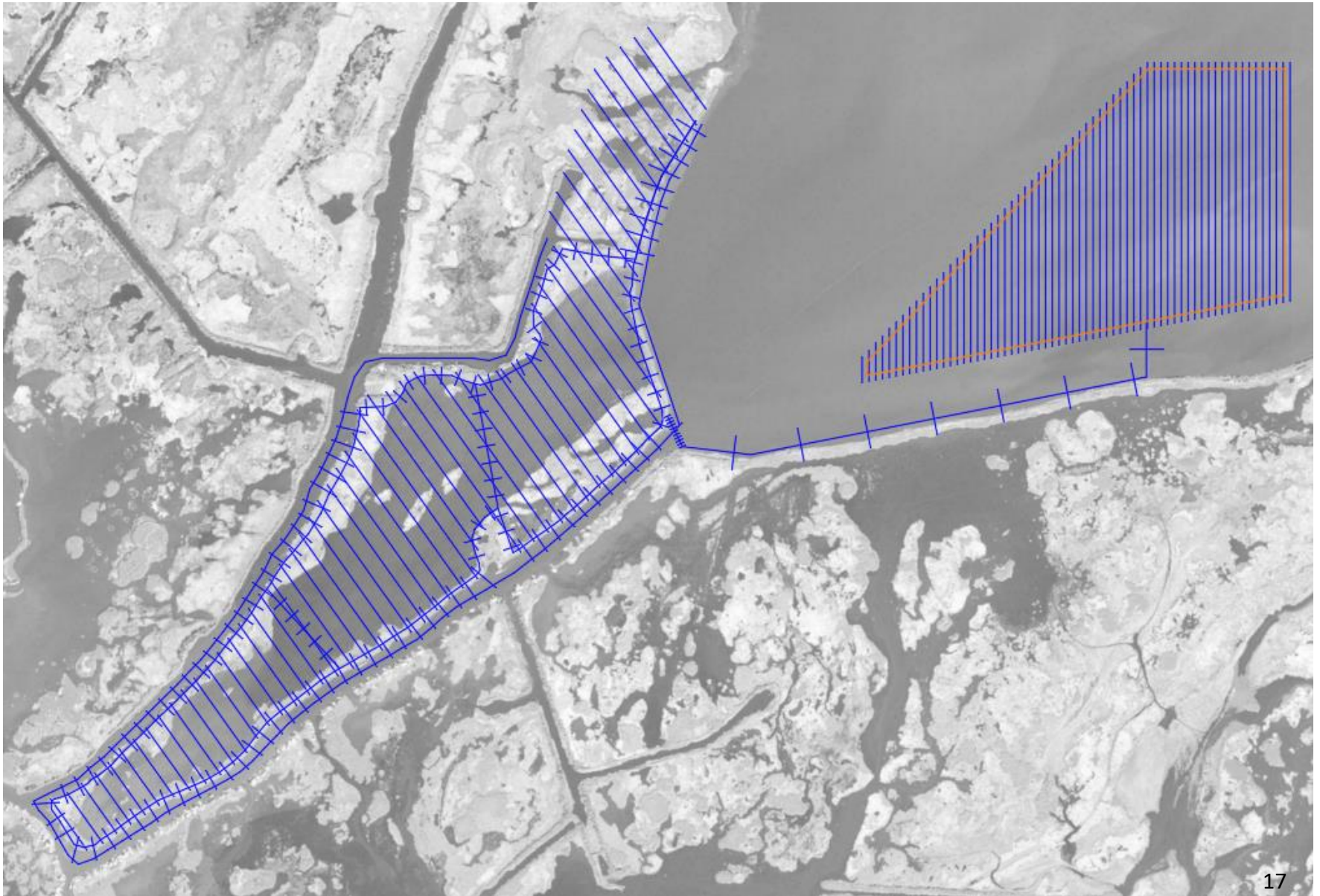
Design Surveys: Plan Sheet 15

MCA & Borrow Area: Oceaneering 10/2017 - 2/2018

Supplemental Magnetometer & Bathymetry: Lonnie G. Harper & Associates 7/2019 - 8/2019



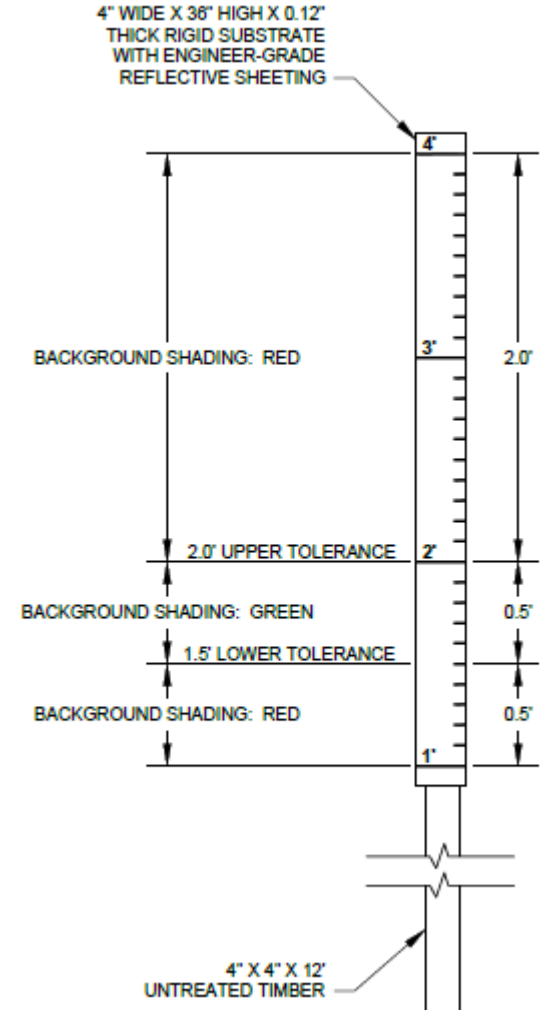
Construction Surveys: Plan Sheets 16-19



Grade Stakes

TS-220 Grade Stakes

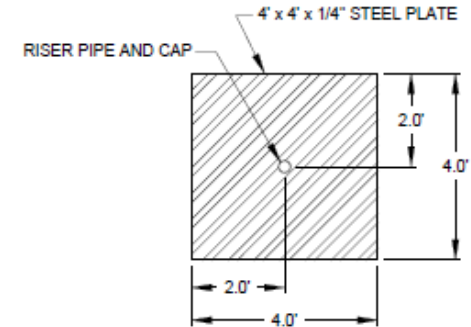
- ☐ Contractor to fabricate and install 42 Grade Stakes in the Marsh Creation Areas
 - MCA1: 10 Grade Stakes
 - MCA2: 17 Grade Stakes
 - MCA3: 15 Grade Stakes
- ☐ Proposed Locations to be submitted in Work Plan
- ☐ Installation and Survey no more than 10 days prior to fill operations
 - ☐ Installation Survey: TS-200.7.10
 - ☐ Process Surveys: TS-200.8.13 (Weekly)
- ☐ Removal upon Acceptance of All MCAs
- ☐ Payment shall be made for the Contact unit price per each for Bid Item No. 3, "Grade Stakes (TS-220)"



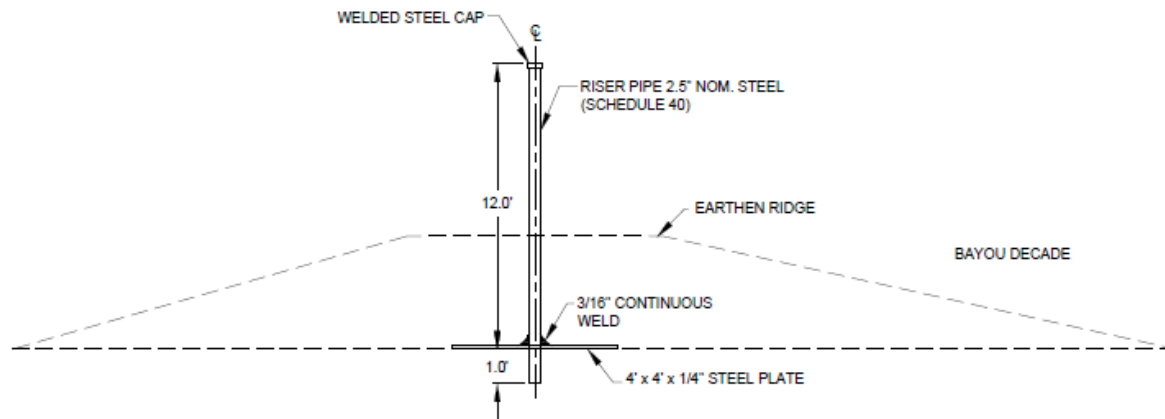
Settlement Plates

TS-250 Settlement Plates

- ☐ Contractor to fabricate and install 5 plates in the Marsh Creation Areas & 2 plates in the Earthen Ridge
- ☐ Locations shown on Plan Sheet 15
- ☐ Payment shall be made at the Contact unit price per each for Bid Item No. 4, "Settlement Plates (TS-250)"
- ☐ Ratio of Effort = 90% installation / 10% Acceptance of Marsh Creation Areas.

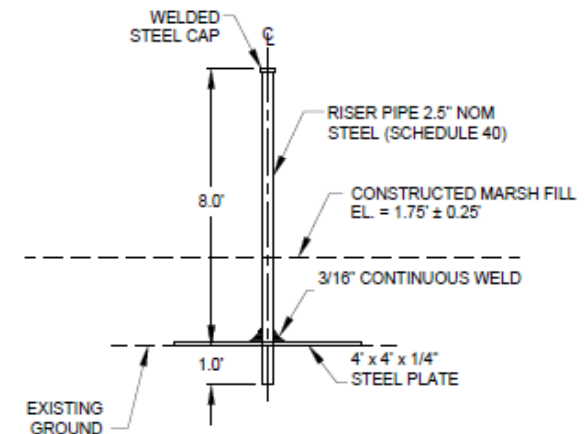


PLAN VIEW



PROFILE VIEW

Ridge Settlement Plate

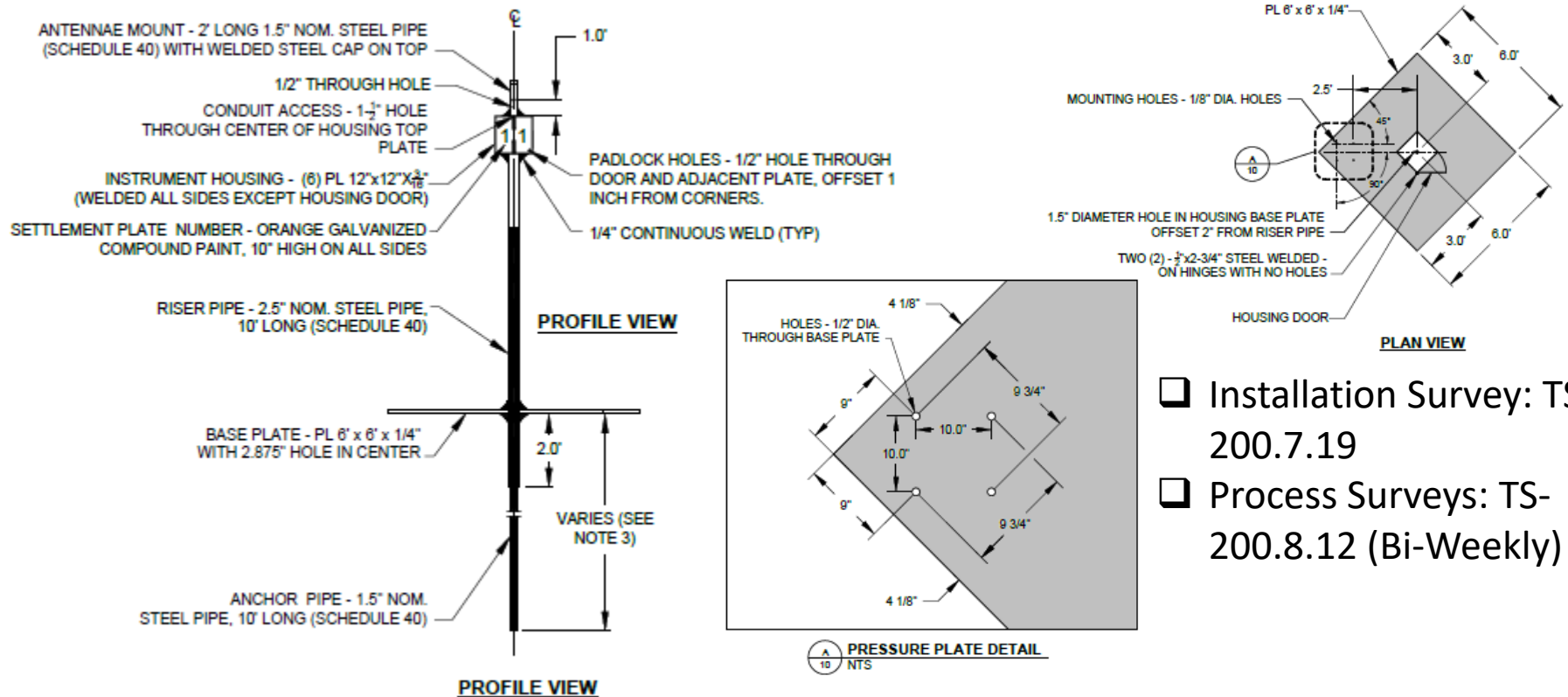


PROFILE VIEW

Marsh Settlement Plate

- ☐ Installation Survey: TS-200.7.18
- ☐ Process Surveys: TS-200.8.11 (Bi-Weekly)

Instrumented Settlement Plates

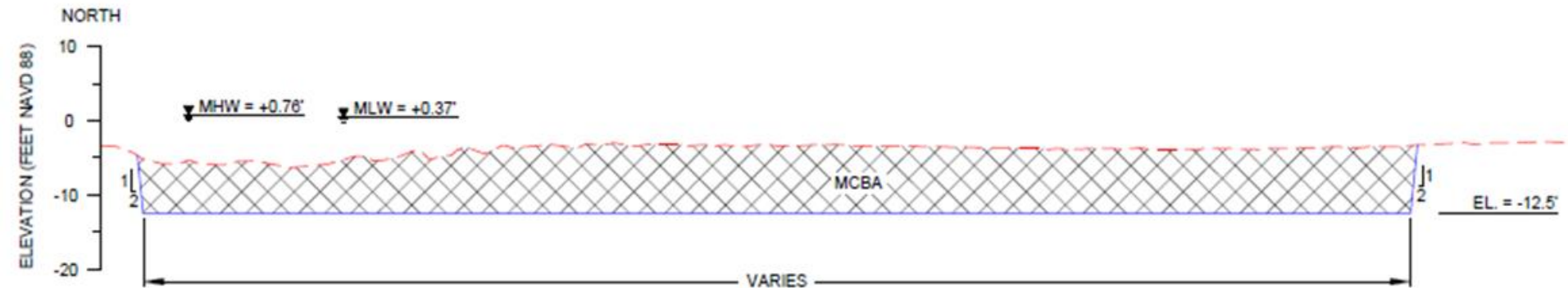
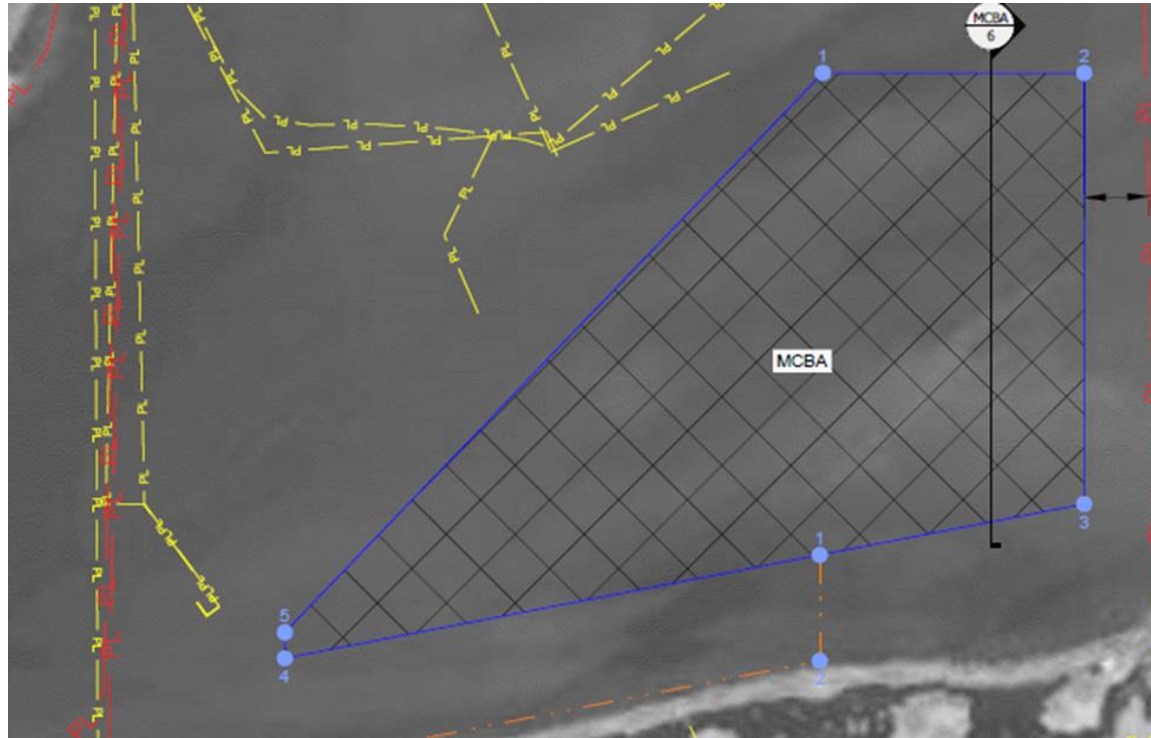


- ☐ Installation Survey: TS-200.7.19
- ☐ Process Surveys: TS-200.8.12 (Bi-Weekly)

- ☐ Contractor to fabricate and install 3 instrumented settlement plates in the Marsh Creation Areas, and to furnish instrumentation. CPRA to assemble instrumentation onto the settlement plates prior to installation in the MCAs with assistance from Contractor.
- ☐ Payment shall be made at the Contact lump sum price for Bid Item No. 5, "Instrumented Settlement Plates (TS-251)"
- ☐ Ratio of Effort = 90% installation / 10% Acceptance of Marsh Creation Areas.
- ☐ Locations shown on Plan Sheet 15

Borrow Area

- ☐ Lake De Cade Borrow Area
- ☐ 350 Acres
- ☐ Average Bottom Elevation -3.0'
- ☐ Max Dredge Elevation -12.5'
- ☐ Average Cut Depth of 10'
- ☐ Approx. Pumping Distances
 - ☐ 2.5 miles
- ☐ Include Turbidity Control Plan in Work Plan
- ☐ **Expect to encounter sands and shells**




Borrow Area

- ☐ Geotechnical Sampling and Analysis indicates Fat Clays with Intermittent Layers of Silt, Silty Sand, Shell Fragments
- ☐ **Expect to encounter sands and shells**
- ☐ Boring Logs are Included in Appendix H
- ☐ No additional payment shall be made for shell dispersal or disposal (SP-2.1)

DEPTH, FT	WATER LEVEL SYMBOL SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 1	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH						
			COORDINATES: N 29° 23' 24.77" W 90° 53' 10.51"		UNIT DRY WT. pcf	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	Penetrometer Torvane Hand Vane	Unconfined Tensile Miniature Vane						
			SURFACE EL.: -8.6'														
			STRATUM DESCRIPTION														
			FAT CLAY (CH), very soft, dark gray - with some shells at 0' - gray below 2'			82											
5						35	61	23	38								
						32											
		N=6	SILTY SAND (SM), loose, gray, with clay and wood	6.0		35	30										
			FAT CLAY (CH), gray	8.0													
10			SANDY SILT (ML), medium-dense, gray, with clay pockets and peat layers	9.0		28											
		N=13				53	32										
			FAT CLAY (CH), firm to stiff, gray, with wood and organics	12.5													
15		N=8	PEAT (PT), very soft to soft, black, with clay seams and an organic odor	14.0		386											
				16.0													
20																	
25																	
30																	
35																	
40																	

NOTES:
1. Terms and symbols defined on Plates A-32a and A-32b.

COMPLETION DATE: April 2, 2018
TOTAL DEPTH: 16.0'
CAVED DEPTH: Not Applicable
DRY AUGER: Not Applicable
WET ROTARY: 0' to 16'
BACKFILL: Cement-Bentonite Grout
LOGGER: R. Fasone
DRILL RIG: ABDU-38
HAMMER TYPE: Manual



Bayou De Cade Marsh Creation and Ridge Restoration
(TE-0138, Task 1)
Terrebonne Parish, Louisiana

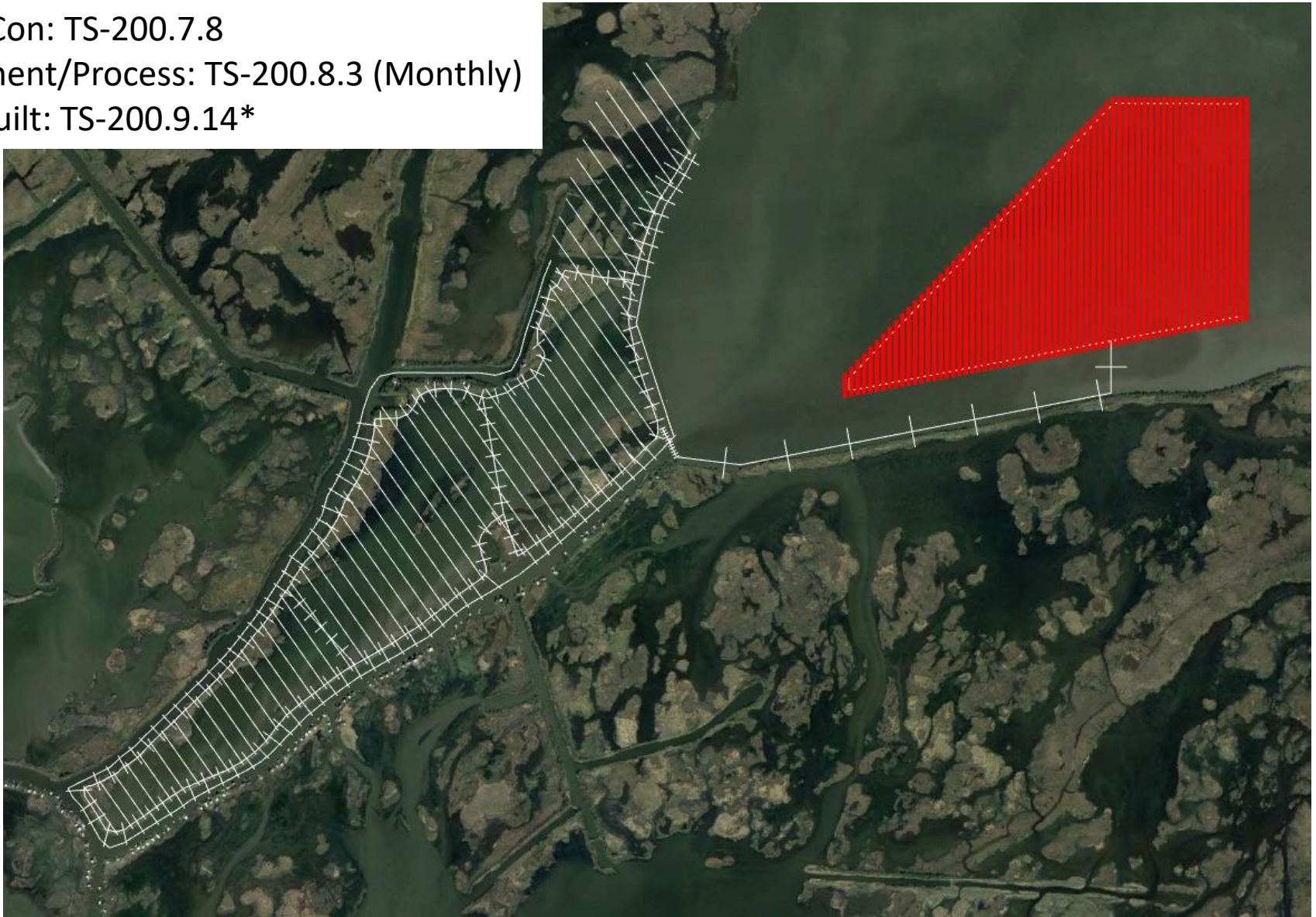
LOG OF BORING NO. B-12
Project No. 04.55174066
PLATE A-28

Borrow Area Surveys

Pre-Con: TS-200.7.8

Payment/Process: TS-200.8.3 (Monthly)

As-Built: TS-200.9.14*



*TS-200.9.14 to be Issued by Addendum

EARTHEN CONTAINMENT DIKES: EXTERIOR BORROW

TS-300 Earthen Containment Dike

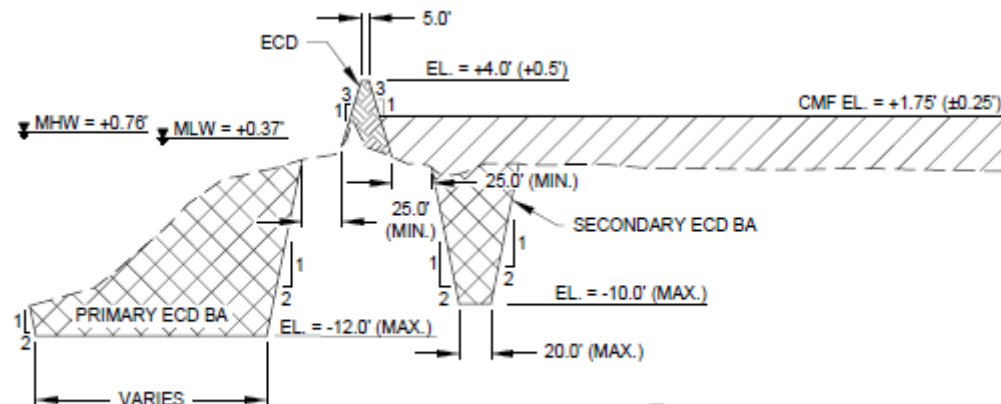
- ☐ 7,617 Linear Feet
- ☐ Clearing and Grubbing Required
- ☐ Crown Elevation: +4.0'+0.5'
 - Contractor Must Maintain ECD Through Construction
- ☐ 5' Crown Width
- ☐ 3:1 (H:V) Side Slopes
- ☐ Exterior Borrow: Turtle Bayou
- ☐ 25' Minimum Distance from ECD Borrow
- ☐ Owner may Require Up to 600 be Gapped/Degraded to MCA Elevation upon Acceptance of All MCA's
- ☐ Minimum 1' of Freeboard must be Maintained During Construction

Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- ☐ 10% upon Acceptance of All MCA's

Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. 6, "Earthen Containment Dikes (TS-300)"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections



(ECD) EARTHEN CONTAINMENT DIKE - EXT
5 TYPICAL SECTION

EARTHEN CONTAINMENT DIKES: INTERIOR BORROW

TS-300 Earthen Containment Dike

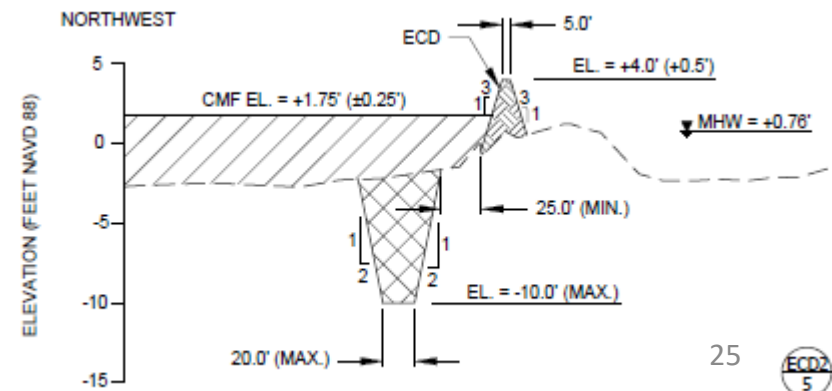
- ☐ 7,527 Linear Feet
- ☐ Crown Elevation: +4.0'+0.5'
 - Contractor Must Maintain ECD Through Construction
- ☐ 5' Crown Width
- ☐ 3:1 (H:V) Side Slopes
- ☐ Interior Borrow
- ☐ 25' Minimum Distance from ECD Borrow
- ☐ Owner may Require Up to 600LF ECD LF be Gapped/Degraded to MCA Elevation upon Acceptance of All MCA's
- ☐ Minimum 1' of Freeboard must be Maintained During Construction

Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- ☐ 10% upon Acceptance of All MCA's

Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. No. 6, "Earthen Containment Dikes (TS-300)"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections



Earthen Containment Dike Surveys

Pre-Con: TS-200.7.11

Acceptance/Process: TS-200.8.5

Acceptance: CL & X-Sections

Process: CL Bi-Weekly

As-Built: TS-200.9.5

Degradation of ECD: TS-200.9.12



INTERNAL TRAINING DIKES

TS-301 Internal Training Dikes

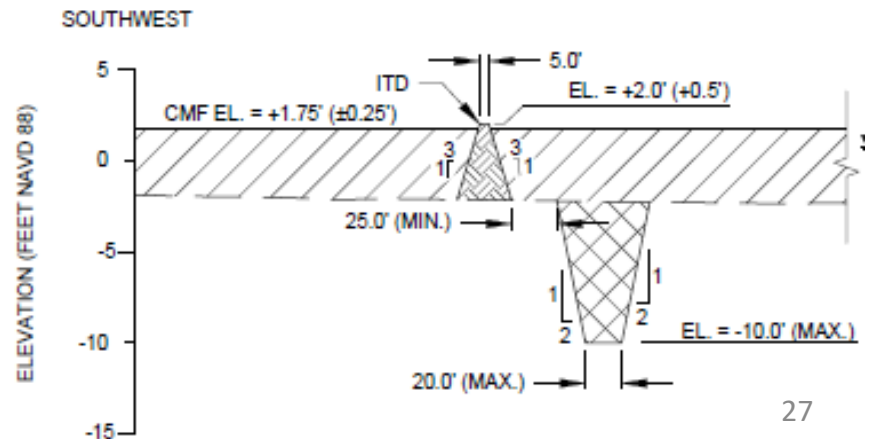
- ☐ 2,247 Linear Feet
- ☐ Crown Elevation: +2.0'+0.5'
 - Contractor Must Maintain ITD Through Construction
- ☐ 5' Crown Width
- ☐ 3:1 (H:V) Side Slopes
- ☐ Interior Borrow
- ☐ 25' Minimum Distance from ITD Borrow
- ☐ Owner may Require Up to 100% of total LF be Gapped/Degraded to MCA Elevation upon Acceptance of All MCA's
- ☐ Minimum 1' of Freeboard must be Maintained During Construction

Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- ☐ 10% upon Final Acceptance

Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. 7, "Internal Training Dikes (TS-301)"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections



Internal Training Dike Surveys

Pre-Con: TS-200.7.12

Acceptance/Process: TS-200.8.6

Acceptance: CL & X-Sections

Process: CL Bi-Weekly

As-Built: TS-200.9.6

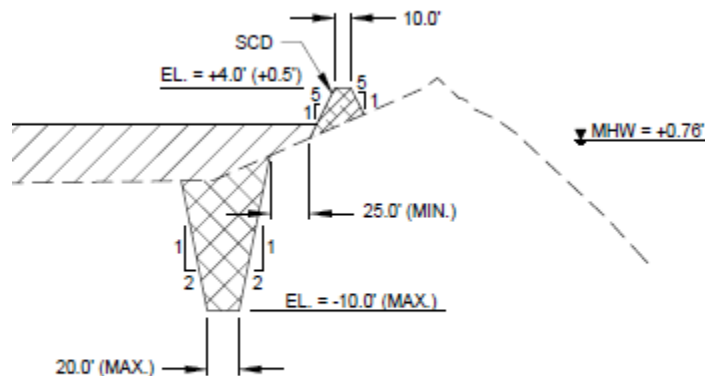
CL Only after Degrading



SHORELINE CONTAINMENT DIKE

TS-302 Shoreline Containment Dike

- ☐ 2,291 Linear Feet
- ☐ Offset Behind Existing Shoreline
- ☐ Crown Elevation: $+4.0' + 0.5'$
 - Contractor Must Maintain SCD Through Construction
- ☐ 10' Crown Width
- ☐ 5:1 (H:V) Side Slopes
- ☐ Interior Borrow
- ☐ 25' Minimum Distance from ECD Borrow
- ☐ Minimum 1' of Freeboard must be Maintained During Construction



SCD SHORELINE CONTAINMENT DIKE
5 TYPICAL SECTION

Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- ☐ 10% upon Acceptance of All MCA's

Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. 8, "Shoreline Containment Dikes"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections

Shoreline Containment Dike Surveys

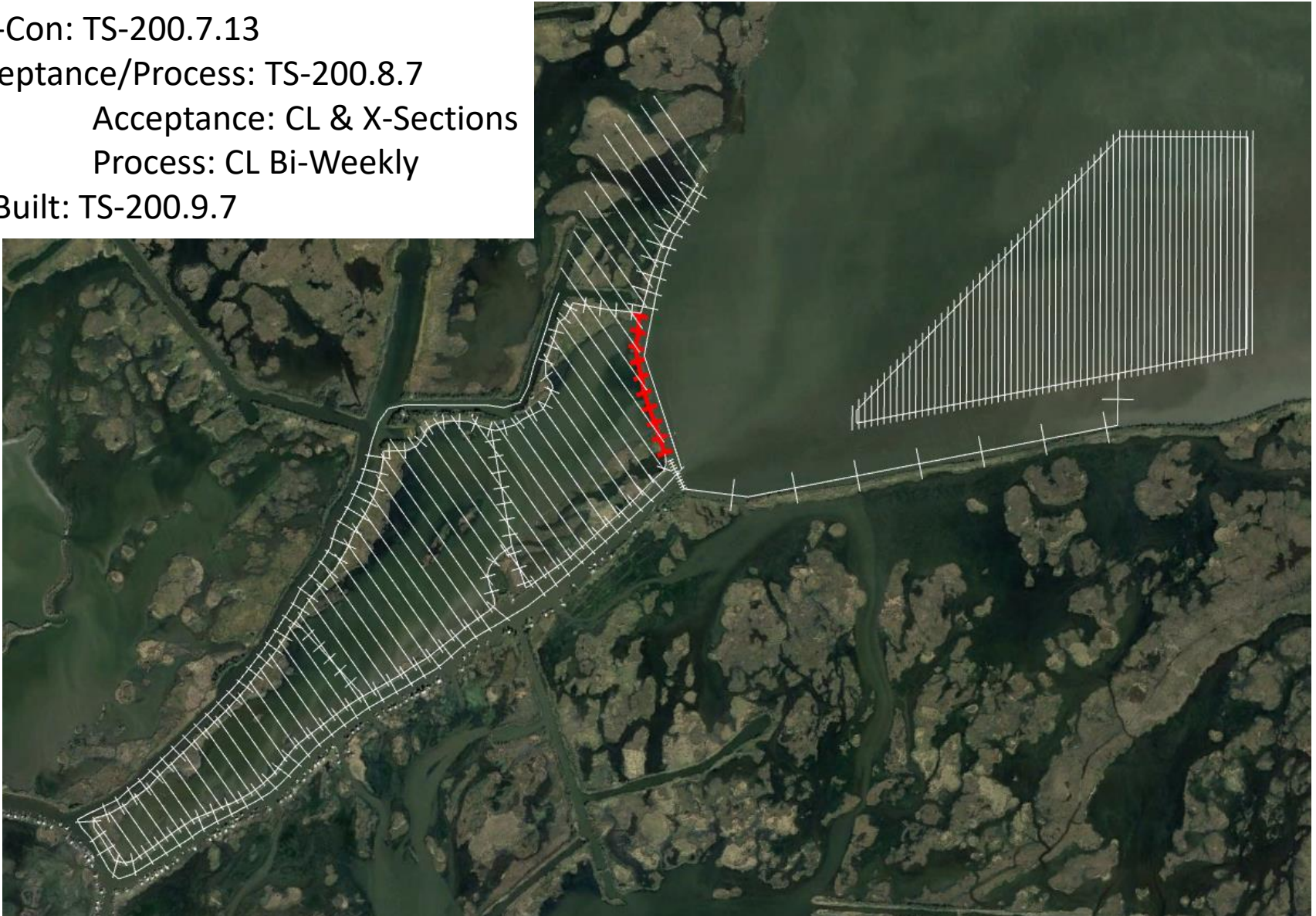
Pre-Con: TS-200.7.13

Acceptance/Process: TS-200.8.7

Acceptance: CL & X-Sections

Process: CL Bi-Weekly

As-Built: TS-200.9.7



EARTHEN RIDGE

TS-303 Earthen Ridge

- ☐ 11,177 Linear Feet
- ☐ Clearing and Grubbing Required
- ☐ Crown Elevation: +5.0'±0.5'
 - Contractor Must Maintain ECD Through Construction
- ☐ 10' Crown Width
- ☐ Side Slopes:
 - 1V:5H – Marsh-side
 - 1V:7H – Bayou-side
- ☐ Exterior Borrow: Bayou De Cade
- ☐ 25' Minimum Distance from ECD Borrow & 20' Minimum Offset from Existing Bankline
- ☐ Minimum 1' of Freeboard must be Maintained During Construction

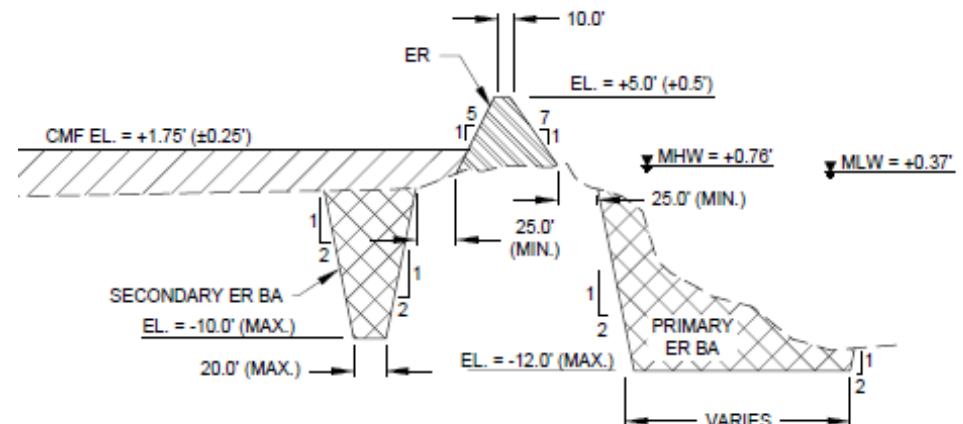


Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- ☐ 10% upon Acceptance of All MCA's and As-Built Survey showing Compliance with Lines/Grades

Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. 9, "Earthen Ridge (TS-303)"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections



Earthen Ridge Surveys

Pre-Con: TS-200.7.14

Acceptance/Process: TS-200.8.8

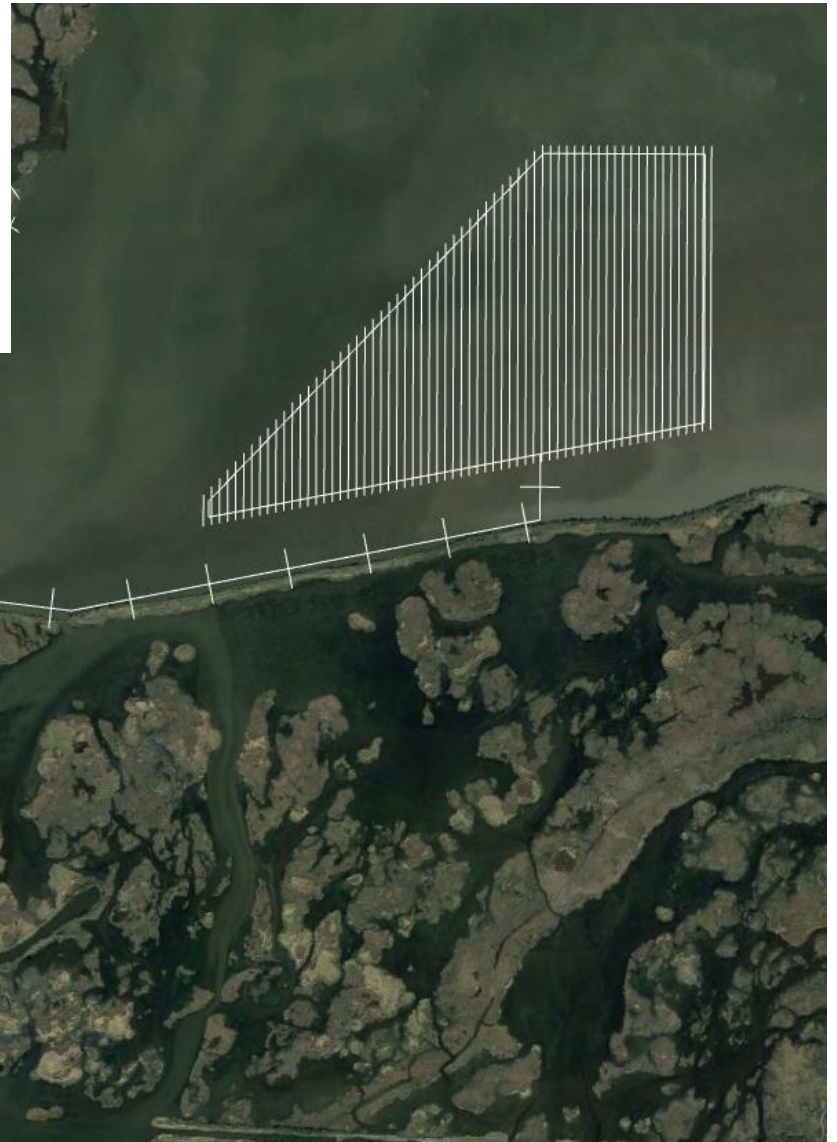
Acceptance: CL & X-Sections

Process: CL Bi-Weekly

External Borrow Area Exhaustion Survey: TS-200.8.14

As-Built: TS-200.9.8

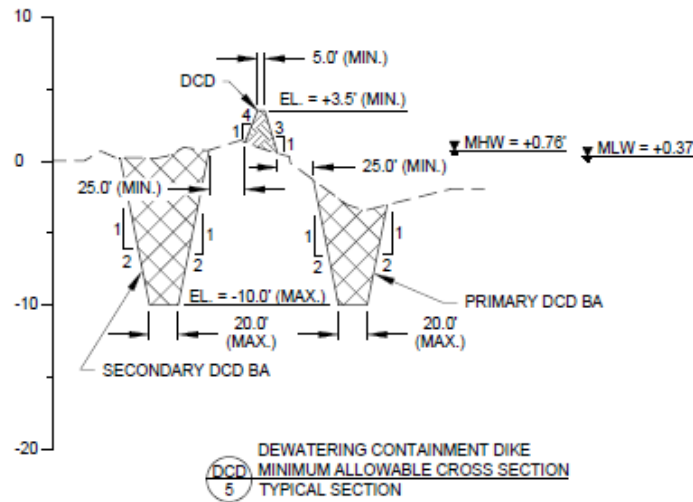
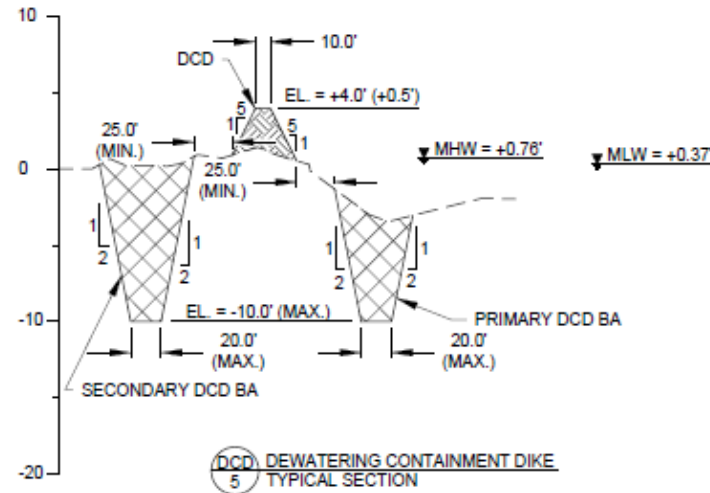
Performed After Acceptance of All 3 MCAs



DEWATERING CONTAINMENT DIKE

TS-304 Dewatering Containment Dike

- ☐ 2,247 Linear Feet
- ☐ External Borrow: Lake De Cade
- ☐ 25' Minimum Distance from DCD Borrow
- ☐ Minimum 1' of Freeboard must be Maintained During Construction



Construction Requirements

- ☐ Crown Elevation: +4.0'+0.5'
- ☐ Crown Width: 10.0'
- ☐ Side Slopes: 1V:5H

Maintenance Requirements

- ☐ Minimum Crown Elevation: +3.5'
- ☐ Minimum Crown Width: 5.0'
- ☐ Minimum Side Slopes:
 - 1V:4H Marsh-side
 - 1V:3H Lake-side

Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- ☐ 10% upon Acceptance of All MCA's

Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. 10, "Dewatering Containment Dikes (TS-304)"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections

Dewatering Containment Dike Surveys

Pre-Con: TS-200.7.15

Acceptance/Process: TS-200.8.9

Acceptance: CL & X-Sections

Process: CL Bi-Weekly

As-Built: TS-200.9.9



TS-323 Clearing and Grubbing

- ☐ Required Along Earthen Ridge, Earthen Containment Dikes (External Borrow Reach Only), and Shoreline Containment Dike Alignments prior to construction of features
- ☐ All Grubbed Materials and Debris shall be properly disposed Offsite with Documentation
- ☐ Payment shall be made at the Contact lump sum price for Bid Item No. 11, “ Clearing and Grubbing (TS-323)”

Ratio of Effort:

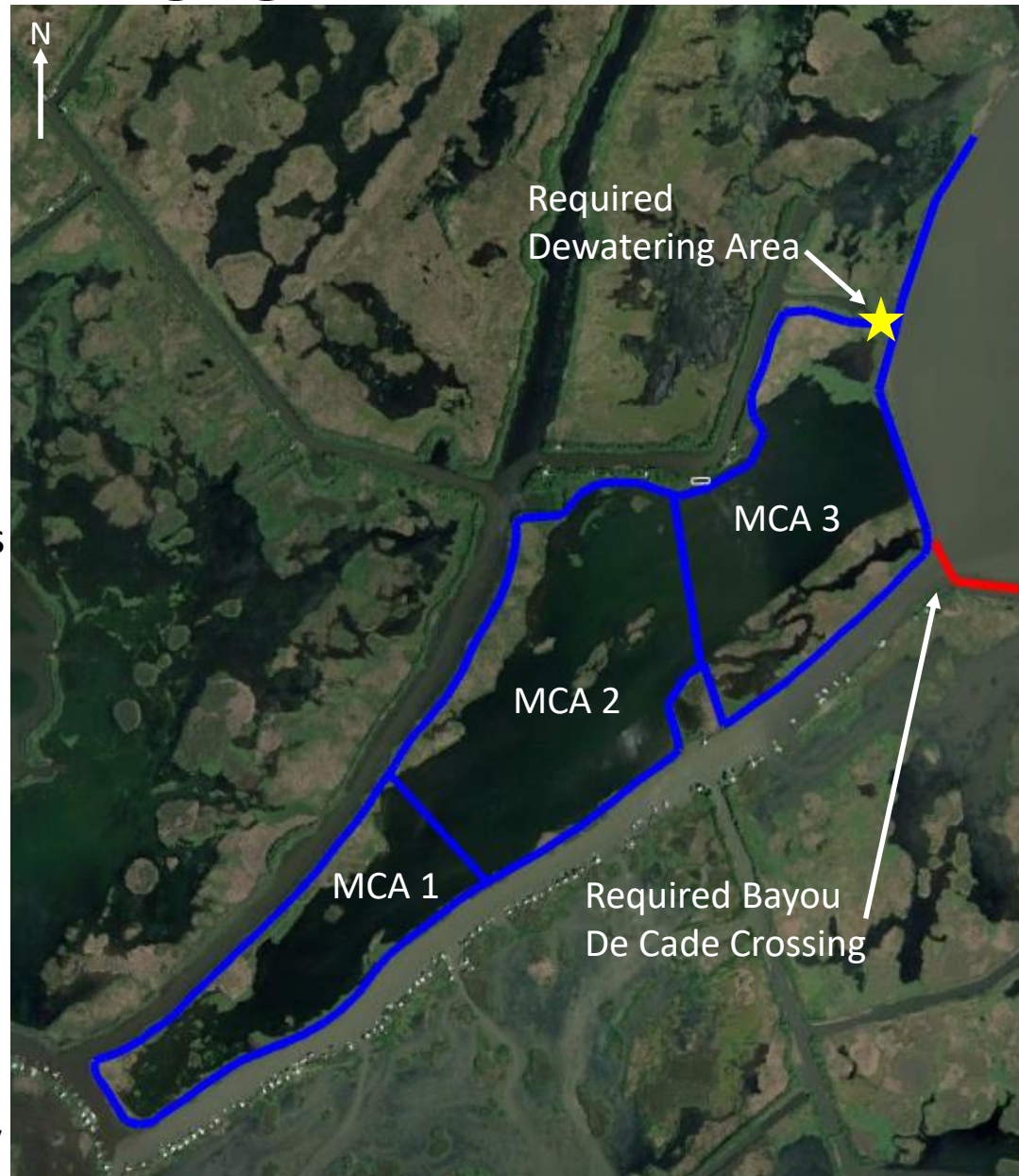
- ☐ 50% Confirmation Clearing and Grubbing is Complete
- ☐ 50% Upon Confirmation of Offsite Disposal of Debris and Grubbed Materials



TS-400 Hydraulic Dredging and Marsh Fill

3 Marsh Creation Areas

- ☐ 496 Acres Total
 - ☐ MCA 1: 122 Acres
 - ☐ MCA 2: 201 Acres
 - ☐ MCA 3: 173 Acres
- ☐ Average Bottom Elevation -1.21'
- ☐ Target Marsh Fill Elevation +1.75' +/- 0.25'
- ☐ ALL Containment Features must be Accepted prior to Dredging Operations (ER, ECD, SCD, ITD, & DCD)
- ☐ Progress Sequentially Starting with MCA 1 (TS-400.5.2)
- ☐ May proceed to subsequent MCA upon start of Acceptance Survey Field Work for previous MCA
 - If previous MCA does not meet Acceptance Criteria, Contractor must return to previous MCA within 24 Hours of Notice
- ☐ Dewater through MCA 3 Location Only



TS-400 Hydraulic Dredging and Marsh Fill

TS-400.6 Acceptance

- ☐ Notify Engineer when Grade Stake elevations indicate target marsh elevation
- ☐ All Grade Stake readings must be within the tolerance in order to be accepted.
- ☐ Two days notice for topographic survey
- ☐ At least **80%** of the survey points must be within tolerance for the Marsh Creation Areas to be accepted.

TS-400.7 Measurement and Payment

- ☐ Payment at unit price per cubic yard for Bid Item No. 12, “Hydraulic Dredging and Marsh Fill (TS-400)”
- ☐ Contractor may request partial payment on a monthly basis
 - Payment will be determined by process survey cross sections of borrow area
 - Any quantity of material dredged beyond limits of pay, placed outside of the Marsh Creation Areas, or placed above fill tolerance may be deducted from payment

Marsh Creation Area Surveys

Pre-Con: TS-200.7.9

Performed After Acceptance of All Containment (ER, ECD, SCD, & ITD)

Process: Daily Grade Stake Readings (TS-200.8.13)/Bi-Weekly SP & ISP
Surveys (TS-200.8.11&12)

Acceptance/As-Built: TS-200.9.3

30 Day Post-Construction: TS-200.9.11

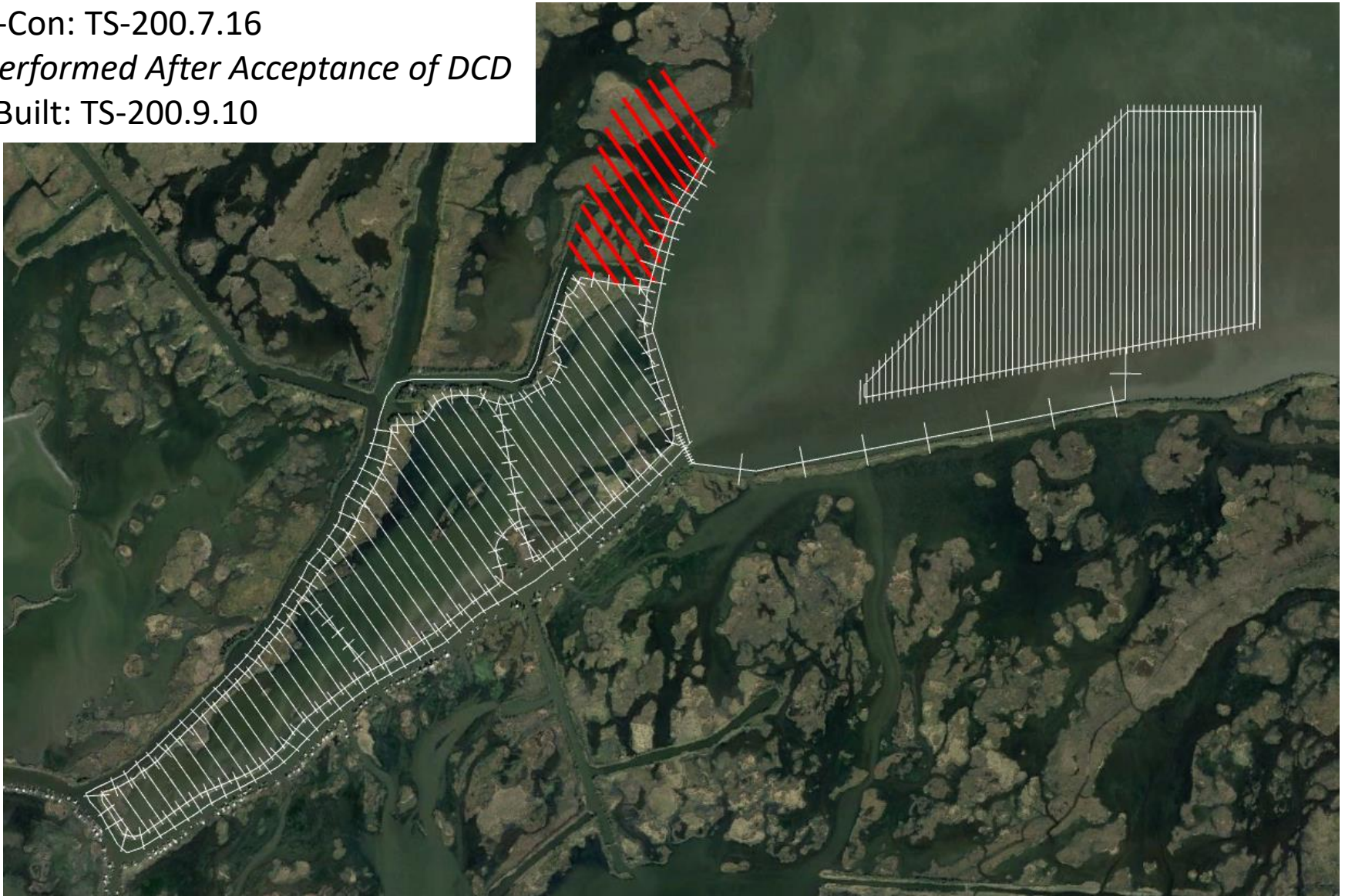


Dewatering Area Surveys

Pre-Con: TS-200.7.16

Performed After Acceptance of DCD

As-Built: TS-200.9.10



TS-400 Hydraulic Dredging and Marsh Fill

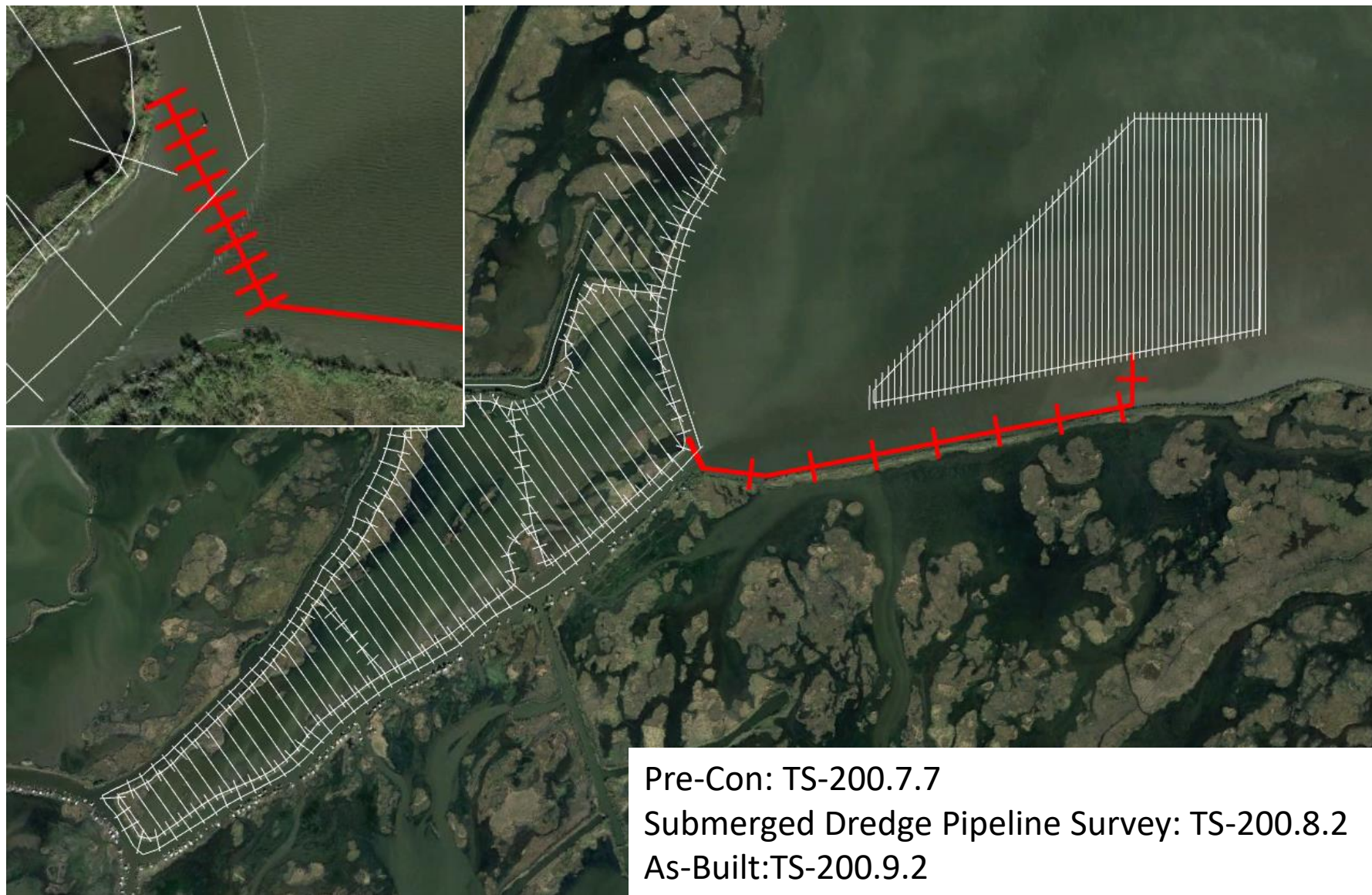
TS-400.3 Equipment Access and Hydraulic Pipeline Routes

- ☐ All Proposed Routes to be Provided in the Work Plan
- ☐ Equipment and Dredge Pipe Shall Remain within Construction Limits
- ☐ No Access Dredging is Permitted
- ☐ Dredge Pipeline Shall Not Obstruct Maintenance of the Earthen Ridge or Impede Marine Traffic in Bayou De Cade

TS-400.3.2 Bayou De Cade Crossing

- ☐ Dredge Pipeline **Must** cross Bayou De Cade in Crossing Corridor Shown on Sheet 3 of the Plans
 - ☐ Dredge Pipe will lay on the bottom of Bayou De Cade Corridor Shown and marked for safe passage of marine traffic (TS-150)
 - ☐ Option to Bury Pipe has been Permitted
 - ☐ No Additional Cost to the Owner

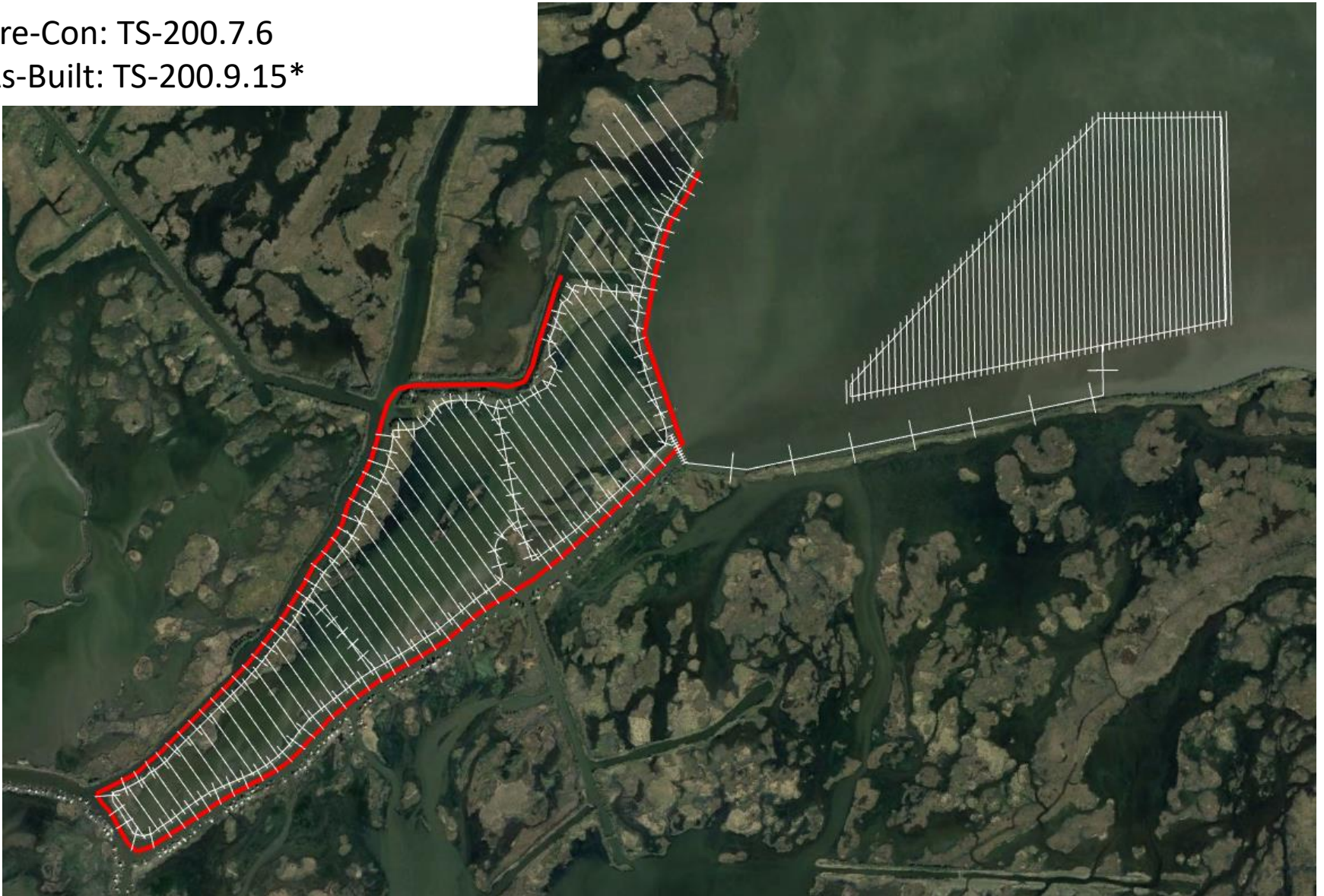
Dredge Pipeline Corridor Surveys



Equipment Access Corridor Surveys

Pre-Con: TS-200.7.6

As-Built: TS-200.9.15*



*TS-200.9.15 to be Issued by Addendum

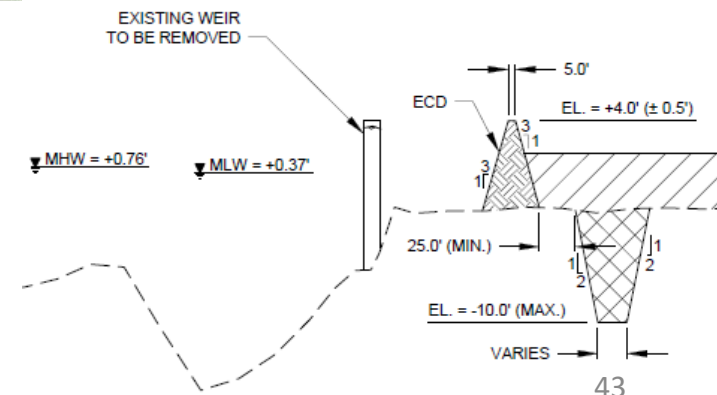
WEIR REMOVAL/BARRIER INSTALLATION

Weir Removal

- Existing Weir to be Removed and Disposed Off-site
- Weir May Not be Removed Prior to Acceptance of MCA's
- Payment shall be made at the Contact lump sum price for Bid Item No. 13, "Weir Removal/Barrier Installation (TS-1115)"

Ratio of Effort:

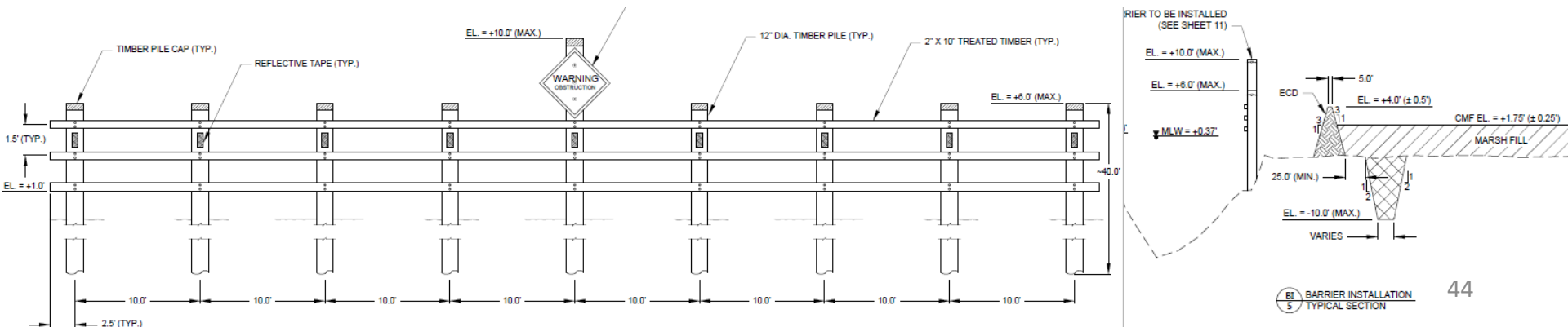
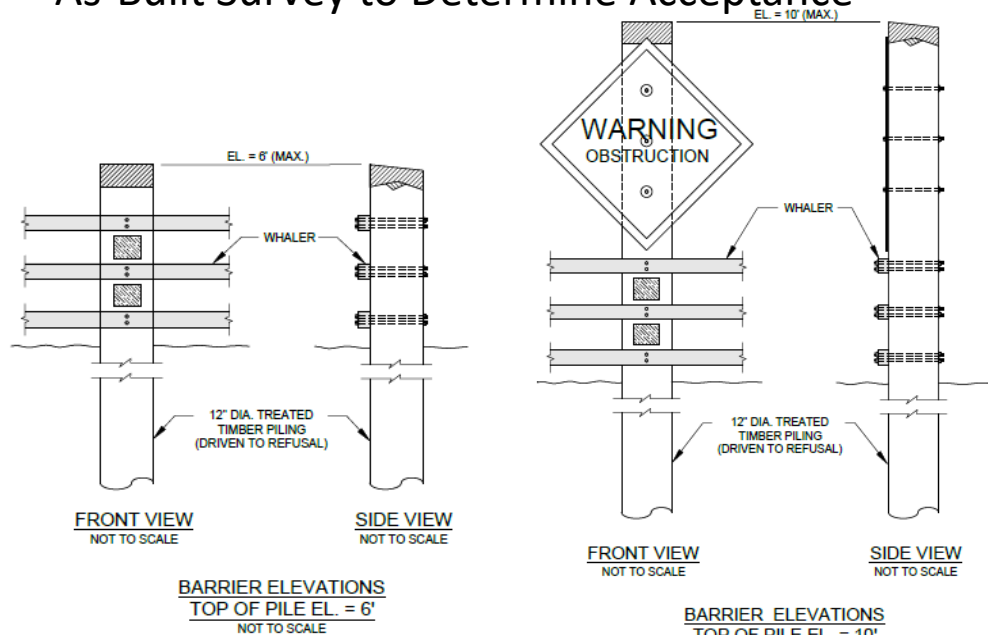
- 40% After Removal of Weir
- 20% Upon Confirmation of Offsite Disposal of Weir
- 20% Upon Acceptance of Barrier



WEIR REMOVAL/BARRIER INSTALLATION

Barrier Installation

- Timber-pile Barrier to be installed in Weir Location
- As-Built Survey to Determine Acceptance



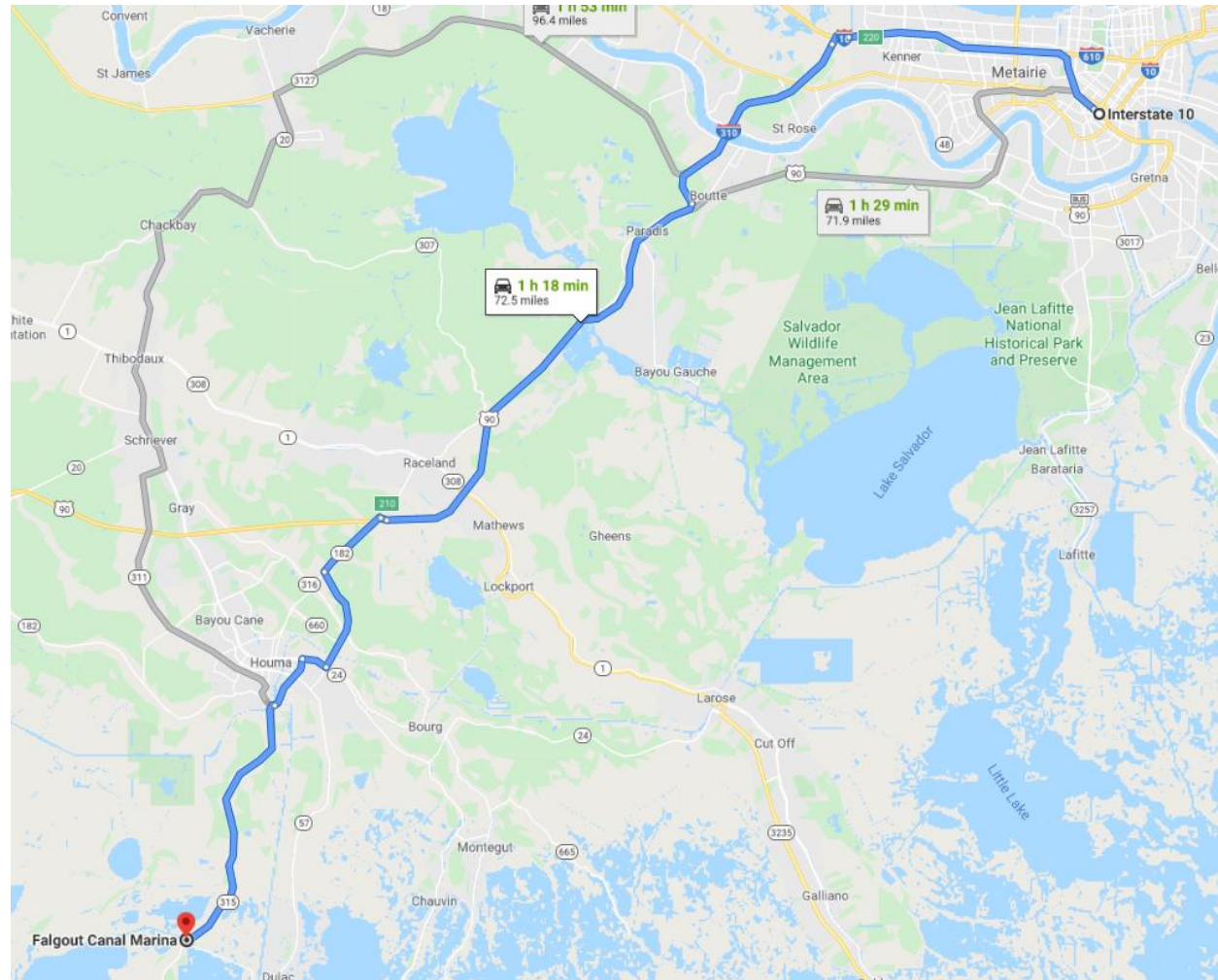
Highly Encouraged Job Site Visit

Rescheduled to Monday June 29th, 10am at Boat Launch at Falgout Canal Marina
1868 Dr. Beatrous Rd., Theriot, LA 70397

Each Prospective Bidder
must provide own
transportation

Only Opportunity to Inspect
Marsh Creation Areas
(Private Land)

Bidders are highly
encouraged to visit Lake De
Cade Borrow Area and
Project Features along
Bayou De Cade and Turtle
Bayou (Publicly Accessible)



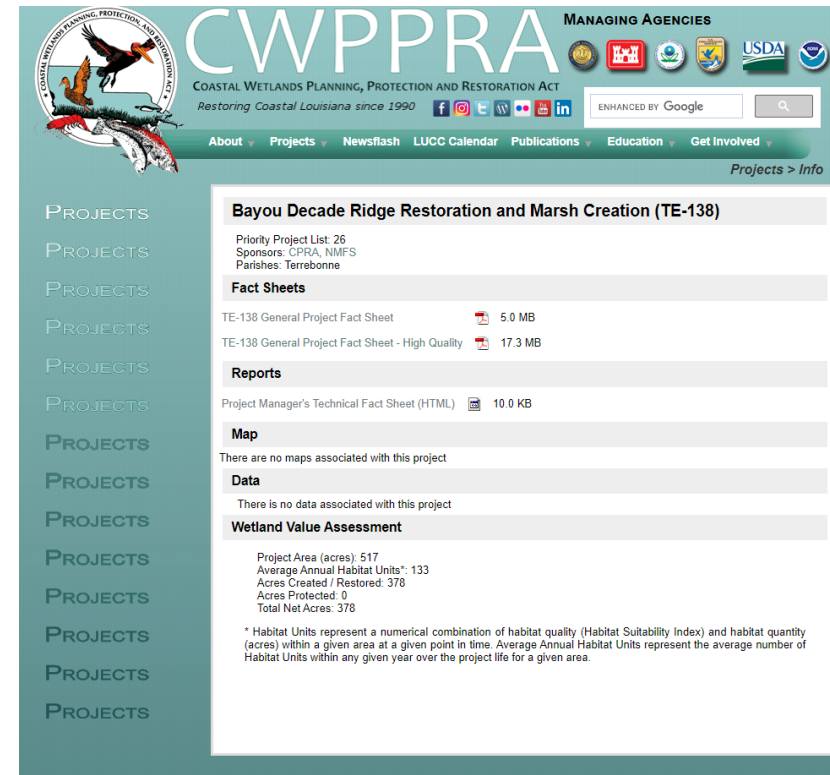
Bayou De Cade Ridge & Marsh Creation Project

Important: CWWPRA Project Manager's Technical Fact Sheet and Construction Budget

Construction First Costs **DOES NOT** Equate to Construction Budget!

Construction First Costs Include the Following:

- Construction Budget (Including Contingency)
- Construction Supervision and Inspection Costs
- Engineering and Design Costs
- Data Collection Costs
- State and Federal Supervision and Administration Costs During Design
- State and Federal Supervision and Administration Costs During Construction
- Land Rights Costs
- Project Management Costs



The screenshot displays the CWWPRA (Coastal Wetlands Planning, Protection and Restoration Act) website. The header includes the CWWPRA logo, the text "COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT", and "Restoring Coastal Louisiana since 1990". It also lists "MANAGING AGENCIES" with logos for NOAA, EPA, USFWS, and USDA. A search bar is present with the text "ENHANCED BY Google". The navigation menu includes "About", "Projects", "Newsflash", "LUCC Calendar", "Publications", "Education", and "Get Involved". The "Projects" section is expanded, showing a list of projects. The selected project is "Bayou Decade Ridge Restoration and Marsh Creation (TE-138)". The project details include: "Priority Project List: 26", "Sponsors: CFWA, NMFS", and "Parishes: Terrebonne". The "Fact Sheets" section lists two documents: "TE-138 General Project Fact Sheet" (5.0 MB) and "TE-138 General Project Fact Sheet - High Quality" (17.3 MB). The "Reports" section lists "Project Manager's Technical Fact Sheet (HTML)" (10.0 KB). The "Map" section states "There are no maps associated with this project". The "Data" section states "There is no data associated with this project". The "Wetland Value Assessment" section provides the following data: "Project Area (acres): 517", "Average Annual Habitat Units*: 133", "Acres Created / Restored: 378", "Acres Protected: 0", and "Total Net Acres: 378". A footnote explains that "Habitat Units represent a numerical combination of habitat quality (Habitat Suitability Index) and habitat quantity (acres) within a given area at a given point in time. Average Annual Habitat Units represent the average number of Habitat Units within any given year over the project life for a given area."

These Costs Constitute a Substantial Portion of the Construction First Costs

Bayou De Cade Ridge & Marsh Creation Project

Recap

❑ Highly Encouraged Job Site Visit **Rescheduled to Monday**

(June 29th) at 10am

- Meet at Falgout Canal Marina Boat Launch
 - 1868 Dr. Beatrous Rd., Theriot, LA 70397

❑ Bid Opening: 2:00 P.M. Wednesday July 15th

- CPRA Office
 - 150 Terrace Ave., Baton Rouge, LA 70802

❑ Please submit Questions regarding the bid by COB Friday, July 3rd

cpra.bidding@la.gov

❑ All verbal responses given at this conference are nonbinding

ADDENDUM 03 TO BID DOCUMENTS

Bayou De Cade Ridge and Marsh Creation Project

(TE-0138)

APPENDIX B: NON-MANDATORY PRE-BID ATTENDANCE RECORD

NAME	COMPANY	EMAIL
Aric Gisclair	Delta Coast	aricg@deltacoastllc.com
Prosper Touns	Delta Coast	prospert@deltacoastllc.com
Tyler Roy	US Aqua Services	tyler@usdredge.com
Michael Johnson	Magnolia Dredge & Dock	mike@magnoliadredge.com
Terry Songy	Magnolia Dredge & Dock	Not Provided
Ricky Thibodeaux	Berry Bros.	ricky@bbgci.com
Mike Nitska	Hydroterra	mike.nitska@hydroterratec.com
Tina Moore	Apollo Environmental Strategies, Inc.	tmoore@apolloenviro.com
Brian Broussard	Apollo Environmental Strategies, Inc.	Not Provided
Charlie Wieland	Apollo Environmental Strategies, Inc.	cwieland@apolloenviro.com
Steve Lane	Great Lakes Dredge and Dock Company	slane@gldd.com
Thomas Serrano	Great Lakes Dredge and Dock Company	tserrano@gldd.com
Stan Ekren	Great Lakes Dredge and Dock Company	Not Provided
Levi Lemoine	Wilco Marsh Buggies	llemoine@wilcomarshbuggies.com
Kyle Howell	Manson Construction Co.	khowell@mansonconstruction.com
Thea Linkfield	Manson Construction Co.	tlinkfield@mansonconstruction.com
Mike Warwick	Manson Construction Co.	Not Provided
John Vannoy	Orion Marine Group	jvannoy@orionmarinegroup.com
Jeff Freeman	Inland Dredging Company, LLC	jfreeman@inland-dredging.com
Rick Smith	Inland Dredging Company, LLC	rsmith@inland-dredging.com
Chuck Broussard	Weeks Marine	crbroussard@weeksmarine.com
Francis Fields	Apache Corp.	francis.fields@apachecorp.com
Phillip Chauvin	T. Baker Smith	Not Provided
Kevin Beyer	T. Baker Smith	Not Provided
Michael Arcement	Calliou Island Towing	michael@caillouislandtowing.com
Al Cenac	Calliou Island Towing	al@caillouislandtowing.com
Jason Curole	GHD	Jason.curole@ghd.com