ADDENDUM 01 TO BID DOCUMENTS FOR

DELTA WIDE CREVASSES (MR-0009) PHASE IV MAINTENANCE PROJECT

PLAQUEMINES PARISH, LOUISIANA



STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

MAY 19, 2021



ADDENDUM 01 TO BID DOCUMENTS

Delta Wide Crevasses (MR-0009)

Phase IV Maintenance Project

The clarifications and revisions in this addendum supersede the requirements in the Bid Documents dated April 2021. 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.

1. REVISIONS TO THE SPECIFICATIONS

- a. SP-11 LANDOWNER AND PIPELINE REQUIREMENTS has been modified and is included as Attachment 1 in this Addendum.
- b. Appendix D to the Bid Specifications Landrights Agreements has been modified and is included as Attachment 2 in this Addendum.

2. GENERAL INFORMATION

- c. A Non-Mandatory Pre-Bid Meeting was held on Wednesday, May 12, 2021 at 2:00 PM via Zoom Video Communications. The presentation from the Pre-Bid Meeting is included as Attachment 3 in this Addendum.
- d. The Bid Opening for the DELTA WIDE CREVASSES (MR-0009) PHASE IV MAINTENANCE PROJECT will proceed as scheduled and will be conducted via Zoom webinar only. Bidders will not be allowed to attend in person. Bids will still be received for the State of Louisiana by the Coastal Protection and Restoration Authority at 150 Terrace Avenue, Baton Rouge, Louisiana 70802 until 2:00 P.M., Thursday, May 27, 2021. If you choose to hand-deliver your bid, a station to receive bids will be located at the front entrance to the CPRA Building (north side). Bids can still be delivered via United States Mail or express delivery as long as they are received no later than 2:00 P.M. on Thursday, May 27, 2021. The bid opening will be broadcast live via webinar immediately following the 2:00 P.M. deadline as outlined in the Specifications. See below for information on how to access the webinar:

The webinar address, conference line phone number, and access number are as follows:

Webinar Address: https://us02web.zoom.us/j/88178955424

Conference Line Phone Number: (816) 423 4282

Conference Code: 955438

Contact Taylor Daigle at (504) 282-3536 if further direction is needed on webinar access.

3. CPRA RESPONSES TO BIDDER QUESTIONS

QUESTION 1:

What is the estimated value of this project?

CPRA RESPONSE:

The Opinion of Probable Construction Cost for the Base Bid, Alternate 1, Alternate 2, and Alternate 3 is \$1,167,470.

QUESTION 2:

Does the mechanical dredging have to be done off a barge or will amphibious excavators be allowed in permitted work and spoil areas? Reason is the distance between crevasses and spoil placement areas.

CPRA RESPONSE:

The contractor may utilize amphibious excavators in permitted work and spoil areas.

QUESTION 3:

On sheet 11 of 35, Octave Pass 7 - 11, Drawing shows dredging to a bottom width of 10'. Can we over dig slightly to allow floatation for spud barge?

CPRA RESPONSE:

The bottom width for Octave Pass-7 is 60', not 10'. The permitted bottom elevation for this crevasse is -10' NAVD 88. The contractor will not be permitted to dig deeper than -10' NAVD 88. However, CPRA did permit a wider dredging area than is shown on the plans. If the contractor would like to dig a wider area, that may be considered.

QUESTION 4:

Apparently, trees and debris are present in dredge prism. Can we place trees/debris in spoil area?

CPRA RESPONSE:

All unsuitable organic debris (logs, stumps, snags, etc.) greater than two (2) inches in diameter or two (2) feet in length that is encountered shall be removed from the spoil placement area. All inorganic debris (tires, scrap, etc.) that is encountered shall be disposed of off-site in an approved waste disposal facility.

QUESTION 5:

Is there any sequence required for base bids or alternates?

CPRA RESPONSE:

No.

QUESTION 6:

Will alternates be awarded prior to start-of base bid? If "no", do we assume that we demobilize & Re-mobilize later for alternates?

CPRA RESPONSE:

Any alternates that are awarded will be awarded at the same time that the base bid is awarded. We assume that all work, including any alternates awarded, will be completed prior to November 1 with only one project mobilization and one project demobilization. A mobilization line item is allowed for each alternate in the case that the contractor needs to account for the cost to move the equipment to the specific alternate sites and/or if the contractor needs to account for additional costs incurred due to the alternates for other costs included in the Mobilization/Demobilization bid item.

QUESTION 7:

On the entrance to Crevasse "South Pass 12", can dredged material be temporarily stockpiled in the adjacent water and rehandled into the designated spoil areas?

CPRA RESPONSE:

Temporary stockpiling will be allowed between the dredging area and the spoil area for the South Pass-12 crevasse. Any temporary stockpiling must be placed a minimum of 25' away from the dredging area. If the contractor chooses to utilize this area as a temporary stockpiling area, additional pre-construction and post-construction surveys will be required in order to ensure that the area is returned to pre-construction elevations. Note that pay requests will only be considered when taken as the difference between the pre-construction survey and a post-construction survey. Pay requests for the difference between two different post-construction surveys (cleaning out material that has infilled since the pre-construction survey) will not be considered.

QUESTION 8:

Is there any spoil area shaping or grading required?

CPRA RESPONSE:

A side slope of 1:3 is required for all spoil placement areas. Please refer to the typical sections on sheets 11-14.

QUESTION 9:

Is there any clearing of debris required?

CPRA RESPONSE:

Please refer to the CPRA response to Question #4.

END OF ADDENDUM NO. 01

Attachments:

Attachment 1 – SP-11 Landowner and Pipeline Requirements

Attachment 2 – Appendix D to the Bid Specifications

Attachment 3 – Pre-Bid Meeting Presentation



SP-11 LANDOWNER AND PIPELINE REQUIREMENTS

The Owner has obtained agreements with the U.S. Fish and Wildlife Service (manager of the Delta National Wildlife Refuge) and the Louisiana Department of Wildlife and Fisheries (manager of the Pass-A-Loutre WMA) for construction of the project. The existing agreements contain special requirements pertaining to access routes and insurance. The agreements are included in Appendix D. The Contractor shall abide by the stipulations set forth by their respective landowners (Grantors):

Delta National Wildlife Refuge

Barret Fortier

U.S. Fish and Wildlife Service Southeast Louisiana Refuges Bayou Lacombe Center 61389 Hwy. 434

Lacombe, LA 70445 Phone: (985) 882-2011

E-mail: barret fortier@fws.gov

Pass-A-Loutre WMA Vaughan McDonald

Louisiana Department of Wildlife & Fisheries

2000 Quail Drive, Suite 445 Baton Rouge, LA 70808 Phone: (337) 735-8733

E-mail: vmcdonald@wlf.la.gov

The Contractor shall add the landowners listed above as additional insured. It is also agreed and understood that the Contractor will at all times indemnify and hold harmless all landowners from and against any and all claims, demands, causes of action, judgements, liabilities, and expense of every nature, including attorney's fees, by reason of personal injury, death (including but not limited to injuries to and death of employees of the landowners and the Contractor's employees) or damage to property, (including environmental) which arises out of, results from, or is in any manner related to, directly or indirectly, any operations or acts hereunder, or to the exercise of your rights hereunder, or to your presence upon or use of the landowners' premises above referred to, or to the use or existence of your facilities on such premises. The indemnity provisions of this paragraph shall not apply if any such injury, death, damage, liability claim, or cause of action is caused by the negligence of the landowners, their employees, agents, or representatives.

A special use permit will be required for all equipment usage on the DNWR and the PALWMA.

The contractor shall not be permitted to work on the DNWR from November 1 to January 31. Work restrictions on the PALWMA during waterfowl seasons will include but may not be limited to the following: no work during opening weekend of Teal season; no weekend work during regular waterfowl season; no use of airboats during waterfowl seasons; movement of tugs and barges will be limited to daytime hours; and all floating equipment shall be well lit for the safety of hunters. The Owner reserves the right to require adherence to additional restrictions during waterfowl seasons as needed. See Appendix D for additional Landowner Requirements.

The Contractor shall be responsible for investigating, locating and protecting all existing facilities, structures, services, and pipelines on, above, or under the surface of the area where construction activities are to be performed. In addition, the Contractor shall perform a magnetometer survey (as outlined in TS-230) in all areas of excavation and other applicable work elements that may potentially conflict or interfere with existing infrastructure prior to any excavation.

The Owner used the best available data to locate existing pipelines within the project site. However, this does not eliminate responsibility from the Contractor to locate subsurface structures within the work area via magnetometer survey and probing if necessary. Prior to construction, the Contractor shall call Louisiana One Call as directed in GP-25.

The Contractor shall cooperate with the authorities or company representatives and shall conduct his operations in such a manner as to result in a minimum of inconveniences to the owners of said utilities. The Contractor shall adhere to the most current publications of "Recommended Best Practices Guide for Safe Dredging near Underwater Gas & Hazardous Liquid Pipelines", developed by the Council for Dredging and Marine Construction Safety, www.cdmcs.org, and "Working Safely Near Underwater Pipelines," developed by the Coastal and Marine Operators Pipeline Industry Initiative (CAMO) and the Lake Pontchartrain Basin Foundation (LPBF), https://www.camogroup.org/wp-content/uploads/2019/11/Working-Safely-Near-Underwater-Pipelines.pdf.

Under the terms of this contract, the Contractor shall not excavate within 100 feet of any active and/or

abandoned pipeline without written permission from the oil and gas infrastructure owners. If the Contractor is allowed to dredge closer than 100 feet, then this written approval shall be provided to the Engineer prior to undertaking the work. Copies of all required notifications and coordination shall be submitted to the Engineer prior to starting construction.

Limitations Specific to Each Pipeline Owner or Operator:

<u>Shell</u> (Rodney Boudreaux 985-856-9746 <u>Rodney.Boudreaux@Shell.com</u>) Contractor shall notify Shell prior to starting construction.

<u>Kinetica</u> (Kurt Cheramie 985-209-2283 <u>Kurt.Cheramie@KineticaLLC.com</u>, <u>Chris.Cantrelle@KineticaLLC.com</u>; <u>Shaun.Harwood@KineticaLLC.com</u>) Contractor shall contact Kinetica prior to accessing SP-11, LP-13, and FP-10 to coordinate floating equipment over the Kinetica pipeline in South Pass, Loomis Pass, and Flatboat Pass respectively.

Entergy (Dustin Ericksen 504-365-3632 <u>DEricks@Entergy.com</u>) Contractor shall notify Entergy prior to starting construction. A minimum clearance of 10 feet from the overhead power line over SP-11 must be maintained at all times. The contractor is responsible for any damage caused to Entergy facilities.

<u>Third Coast Midstream</u> (Stephen Calato 504-919-0058 <u>SCalato@3CMidstream.com</u> and Robin Asevado 504-800-6686 <u>RAsevado@3CMidstream.com</u>) Contractor shall notify Third Coast Midstream prior to starting construction.

<u>Texas Petroleum Investment Company</u> (Tommy Lejeune 337-315-7187 <u>TLejeune@TXPetInv.com</u> and Chris Sanfilippo 337-232-1702 <u>CSanfilippo@TXPetInv.com</u>) Contractor shall notify Texas Petroleum Investment Company prior to starting construction.

<u>Whitney</u> (Annalisa Taylor 832-786-7164 <u>ATaylor@WhitneyOilCo.com</u>) Contractor shall coordinate directly with Whitney to obtain all information for working in the vicinity of Whitney pipelines.

<u>Chevron</u> (Nicholas Angelle 281-382-1672 <u>Nicholas Angelle@Chevron.com</u>) Contractor shall coordinate directly with Chevron to obtain all information for working in the vicinity of Chevron pipelines. Contractor shall provide original project schedule to Chevron upon Owner approval.

<u>ConocoPhillips</u> (Ashlyn Hanna 832-486-3286 <u>Ashlyn.C.Hanna@ConocoPhillips.com</u>) Contractor shall coordinate directly with ConocoPhillips to obtain all information for working in the vicinity of ConocoPhillips pipelines.





United States Department of the Interior

FISH AND WILDLIFE SERVICE

Southeast Louisiana Refuges Atchafalaya, Bayou Sauvage, Bayou Teche, Breton, Big Branch Marsh, Bogue Chitto, Cat Island, Delta, and Mandalay 61389 Hwy 434 Lacombe, Louisiana 70445



April 14, 2021

Taylor Daigle Coastal Protection and Restoration Authority 2045 Lakeshore Drive New Orleans, LA70065

Dear Ms. Daigle:

We received the drawings regarding creation of two new crevasses (along with 2 potential additional alternative sites) on Delta National Wildlife Refuge (DNWR) in association with the Delta Wide Crevasses (MR-09) Project. We grant the State of Louisiana; Coastal Protection & Restoration Authority, a right of entry to DNWR, including ingress and egress, to perform this crevasse work (including alternatives) and place dredge material on the refuge in accordance with sheets 4, 5, 6, & 7 of 35 (attached). Contactors shall coordinate with our office prior to mobilization once the final construction awards have been made. DNWR will issue the awarded contractor a special use permit to cover these activities while conducting work on refuge.

Respectfully,

BARRET FORTIER Digitally signed by BARRET FORTIER Date: 2021.04.14 11:34:20 -05'00'

Barret Fortier Senior Wildlife Biologist Southeast Louisiana Refuges Complex

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

DELTA-WIDE CREVASSES PHASE IV MAINTENANCE EVENT

MR-0009 PLAQUEMINES PARISH





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DELTA-WIDE CREVASSES MAINTENANCE PROJECT DATE APRIL 2021

SHEET 1 OF 15

INDEX TO SHEETS

SHEET NO. DESCRIPTION

- TITLE SHEET
- **GENERAL NOTES** PROJECT LAYOUT
- ALTERNATE 2 OCTAVE PASS-7 CREVASSE LAYOUT
- FLATBOAT PASS-10 CREVASSE LAYOUT
- RAPHAEL PASS-8 CREVASSE LAYOUT
- ALTERNATE 1 RAPHAEL PASS-9 CREVASSE LAYOUT
- SOUTH PASS-11 CREVASSE LAYOUT
- SOUTH PASS-12 CREVASSE LAYOUT
- ALTERNATE 3 LOOMIS PASS-13 CREVASSE LAYOUT
- 11-14 TYPICAL SECTIONS
- 15 OCTAVE PASS-7 CREVASSE DESIGN SURVEY LAYOUT
- FLATBOAT PASS-10 CREVASSE DESIGN SURVEY LAYOUT
- RAPHAEL PASS-8 CREVASSE DESIGN SURVEY LAYOUT 17
- RAPHAEL PASS-9 CREVASSE DESIGN SURVEY LAYOUT
- SOUTH PASS-11 CREVASSE DESIGN SURVEY LAYOUT 19
- 20 SOUTH PASS-12 CREVASSE DESIGN SURVEY LAYOUT
- 21 LOOMIS PASS-13 CREVASSE DESIGN SURVEY LAYOUT
- OCTAVE PASS-7 CREVASSE CONSTRUCTION 22
- SURVEY LAYOUT
- FLATBOAT PASS-10 CREVASSE CONSTRUCTION
- SURVEY LAYOUT
- RAPHAEL PASS-8 CREVASSE CONSTRUCTION 24
- SURVEY LAYOUT
- RAPHAEL PASS-9 CREVASSE CONSTRUCTION SURVEY LAYOUT
- SOUTH PASS-11 CREVASSE CONSTRUCTION
- SURVEY LAYOUT
- SOUTH PASS-12 CREVASSE CONSTRUCTION 27 SURVEY LAYOUT
- LOOMIS PASS-13 CREVASSE CONSTRUCTION
- SURVEY LAYOUT
- DESIGN SURVEY DATA



20,000' 10,000'

LICENSURE CLASSIFICATION REQUIREMENTS MAJOR CLASSIFICATION: HEAVY CONSTRUCTION SUBCLASSIFICATION: DREDGING OR SPECIALTY SUBCLASSIFICATION: COASTAL RESTORATION AND HABITAT ENHANCEMENT

GENERAL NOTES:

- THE EQUIPMENT ACCESS TO THE PROJECT SITE SHALL BE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT IMPACT EXISTING WATER BOTTOMS OR WETLANDS UNLESS OTHERWISE NOTED.
- PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED BY ONE IS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS. WILL BE ISSUED BY THE ENGINEER
- THE CONTRACTOR SHALL MAINTAIN AIDS TO NAVIGATION DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. ANY DAMAGE TO EXISTING AIDS TO NAVIGATION CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING THE MECHANICALLY DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE PROPOSED DREDGE PLACEMENT AREAS. THE PLACEMENT AND DREDGING AREAS MAY BE REVISED BY THE ENGINEER AT THE TIME OF CONSTRUCTION TO REFLECT CHANGES IN FIELD CONDITIONS
- THE BACKGROUND IMAGERY WAS TAKEN FROM GOOGLE EARTH IN MAY 2020.
- THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE CREVASSES PRIOR TO EXCAVATION OR DREDGING. DRAWINGS SHOWING THE TRACK LINES, COORDINATES, AMPLITUDE, SIGNATURE TYPE, AND DURATION OF ALL INFRASTRUCTURE AND ANOMALIES SHALL BE SUBMITTED TO THE ENGINEER IN THE PRE-CONSTRUCTION SURVEY.
- THE PIPELINE AND UTILITY LOCATIONS SHOWN ON THE PLANS ARE UNVERIFIED, THEY MAY NOT BE LOCATED AS SHOWN, THE CONTRACTOR SHALL LOCATE AND MARK ALL PIPELINES AND UTILITIES LOCATED WITHIN 150 FT OF THE WORK PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THESE MARKERS DURING CONSTRUCTION. NO PIPELINES WERE IDENTIFIED IN THE DESIGN SURVEY(S).
- 8. ALL EQUIPMENT INCLUDING BUT NOT LIMITED TO BARGES, BOATS, AND EXCAVATORS SHALL BE PROPERLY LIGHTED TO WARN NIGHTTIME BOATERS.
- 9. THE USE OF AIRBOATS IN THE PROJECT AREA WILL REQUIRE A SPECIAL USE PERMIT.

NOTIFICATIONS:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE , UTILITY OPERATORS, AND LAND OWNERS AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE WORK, PIPELINES IN OPEN WATER SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. THE CONTRACTOR SHALL NOT ANCHOR OR EXCAVATE WITHIN ONE HUNDRED (100) FEET OF ANY PIPELINE CALL LOUISIANA ONE CALL AT 1-800-272-3020 5 DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.
- 2. BLOCKING OF NAVIGABLE WATERWAYS IS NOT PERMITTED WITHOUT LANDOWNER CONSENT: THIS INCLUDES ALL PARENT CHANNELS AND THE EXISTING SOUTH PASS-12 CREVASSE. THE CONTRACTOR SHALL NOTIFY LDWF 2 WEEKS PRIOR TO BEGINNING WORK AT SOUTH PASS-12 CREVASSE

DESIGN NOTES:

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 66) U.S. SURVEY FEET, GEOID 12A. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83, LOUISIANA STATE PLANE SOUTH ZONE U.S. FEET). ALL ELEVATIONS ARE BASED ON THE FOLLOWING:

SECONDARY SURVEY MONUMENT	ELEVATION	NORTHING	EASTING
MR09 SM-06	+2.7	238,749.08	3.953.567.72
MR09-SM-31	+5.5"	267,445,48	3.945.645.40
MR09-SM-38	+2.0'	276.368.21	3 947 242 72

- THE EXISTING ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE DESIGN SURVEYS PERFORMED FROM APRIL THROUGH AUGUST 2019, BY MORRIS P. HERBERT, INC. THE DESIGN SURVEY REPORT IS PROVIDED AS AN APPENDIX TO THE SPECIFICATIONS. THE SURVEY IS INCLUDED FOR INFORMATIONAL PURPOSES ONLY
- 3. DATA FROM USGS GAGE #07374550 AND NOAA STATION #8760849 WAS USED TO CALCULATE THE MHW AND MLW. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET, GEOID 12A. MHW = +1.01' AND MLW = +0.02' WITHIN PROJECT AREA.



SUMMARY OF ESTIMATED QUANTITIES - BASE BID

ITEM NO.	DESCRIPTION	UNIT	QUANTITY ^{1,2}
4	MOBILIZATION/DEMOBILIZATION (TS-100)	LS	1
- 2	SURVEYS (TS-230)	LS	1
3	MECHANICAL DREDGING OF FP-10, RP-8, SP-11, AND SP-12 (TS-340)	CY	50,535

SUMMARY OF ESTIMATED QUANTITIES - ALTERNATE 1

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ^{1,2}
4	MOBILIZATION TO RP-9 (TS-100)	LS	1
5	SURVEYS OF RP-9 (TS-230)	LS.	-1-
В	MECHANICAL DREDGING OF RP-9 (TS-340)	CY	36,892

SUMMARY OF ESTIMATED QUANTITIES - ALTERNATE 2

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ^{1,2}
7	MOBILIZATION TO OP-7 (TS-100)	LS	9
8	SURVEYS OF OP-7 (TS-230)	LS	
9	MECHANICAL DREDGING OF OP-7 (TS-340)	CY	31,504

SUMMARY OF ESTIMATED QUANTITIES - ALTERNATE 3

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ^{1,2}
10	MOBILIZATION TO LP-13 (TS-100)	LS	9
11	SURVEYS OF LP-13 (TS-230)	Ls	1
12	MECHANICAL DREDGING OF LP-13 (TS-340)	CY	2,563

- THE QUANTITIES SHOWN WERE CALCULATED FROM THE DESIGN SURVEY. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES 25% HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE
- 2. QUANTITY IS BASED ON THE CREVASSE DREDGING AREA CUT VOLUMES. PAYMENT QUANTITY WILL BE BASED ON PROCESS SURVEYS OF THE CREVASSES DREDGING AREA.

LEGEND - PLAN VIEWS

- DREDGE PLACEMENT AREA CREVASSE DREDGING
- △ SURVEY MONUMENT - UNVERIFIED PIPELINE
- --- OVERHEAD POWER LINE

LEGEND - SECTION VIEWS

- DREDGE PLACEMENT AREA CREVASSE DREDGING
- EXISTING GRADE
- --- DESIGN TRANSECT
- ---- SURVEY TRANSECT

ABBREVIATIONS:

CY CUBIC VARD HI ELEVATION FI FOOT LINEAR FOOT LS LUMP SUM NTS NOT TO SCALE SM SURVEY MONUMENT

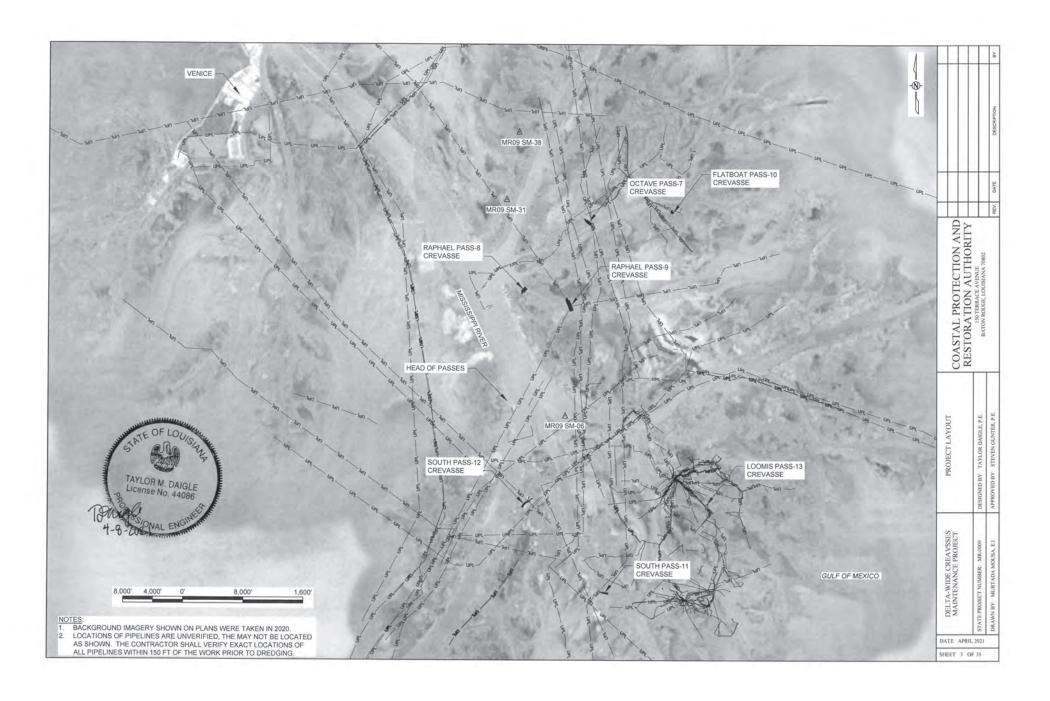
UNVERIFIED PIPELINE

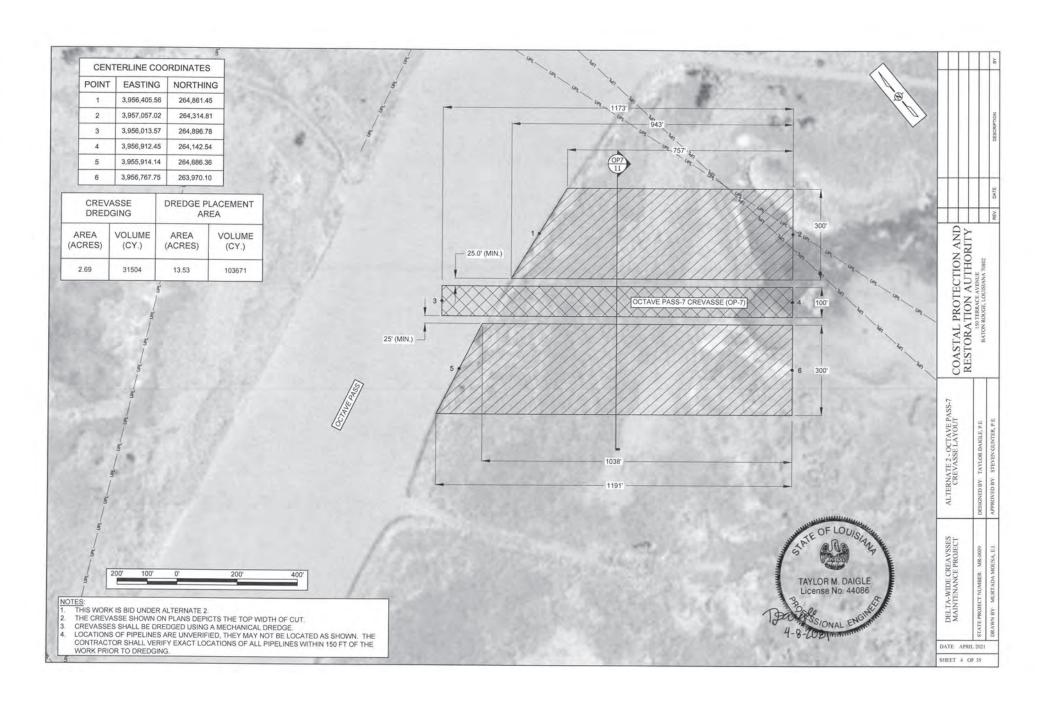
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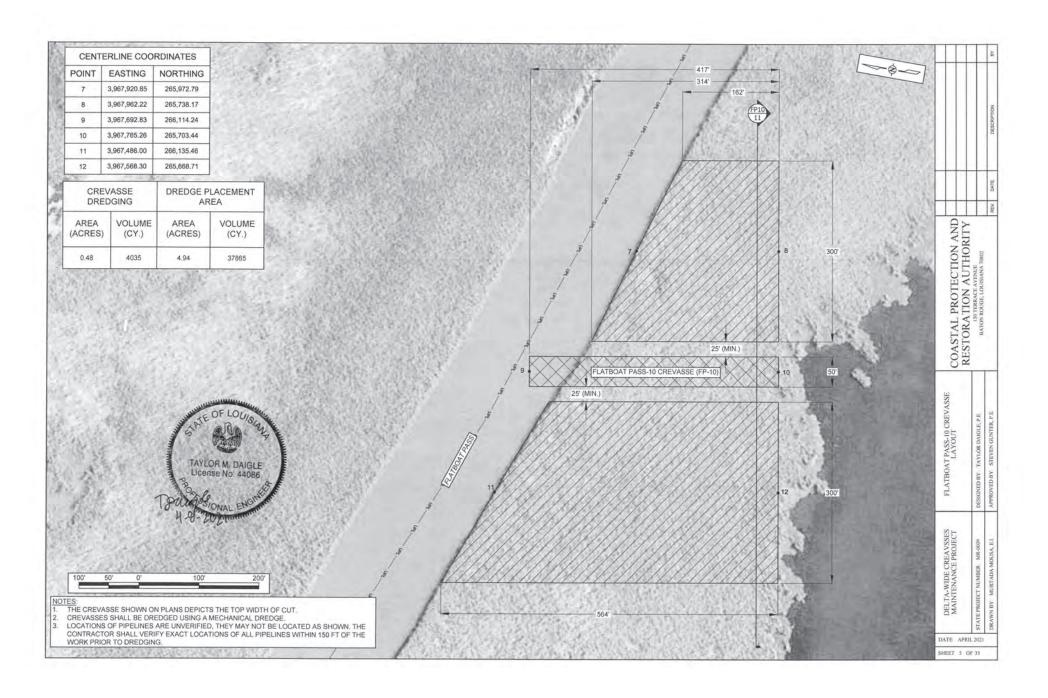
COASTAL PROTECTION AND RESTORATION AUTHORITY

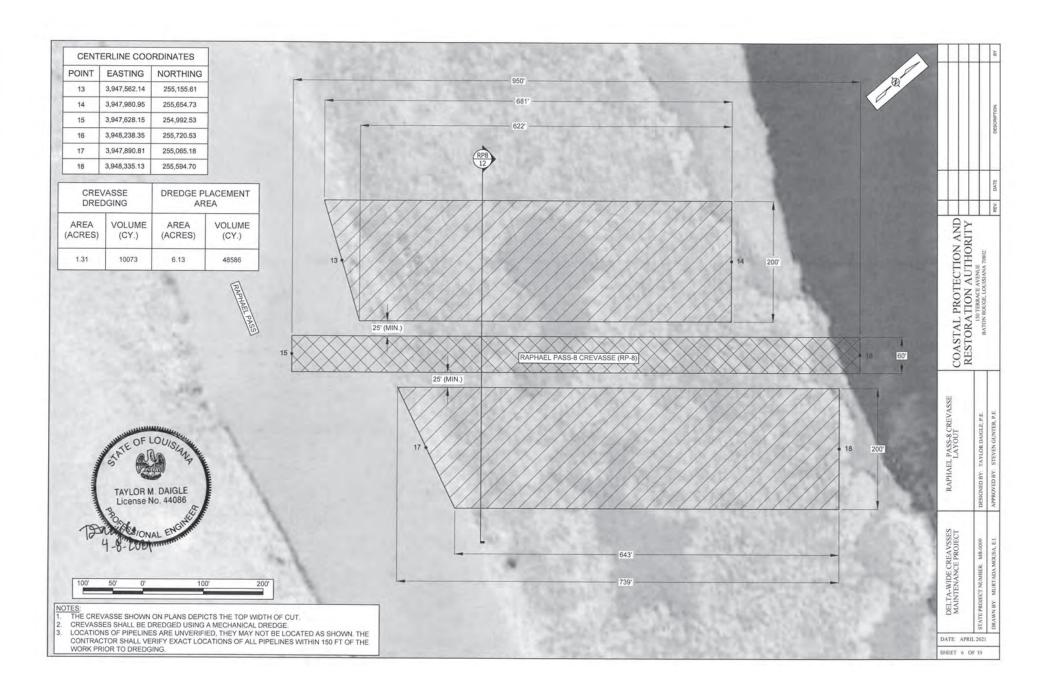
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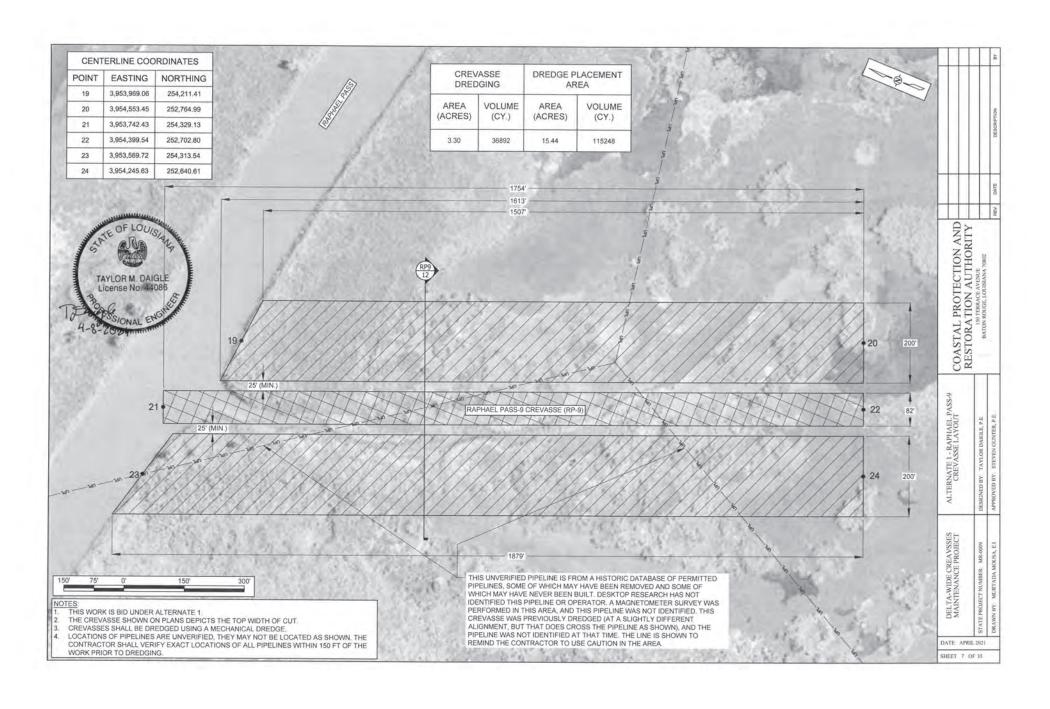
DELTA-WIDE CREVASSES MAINTENANCE PROJECT

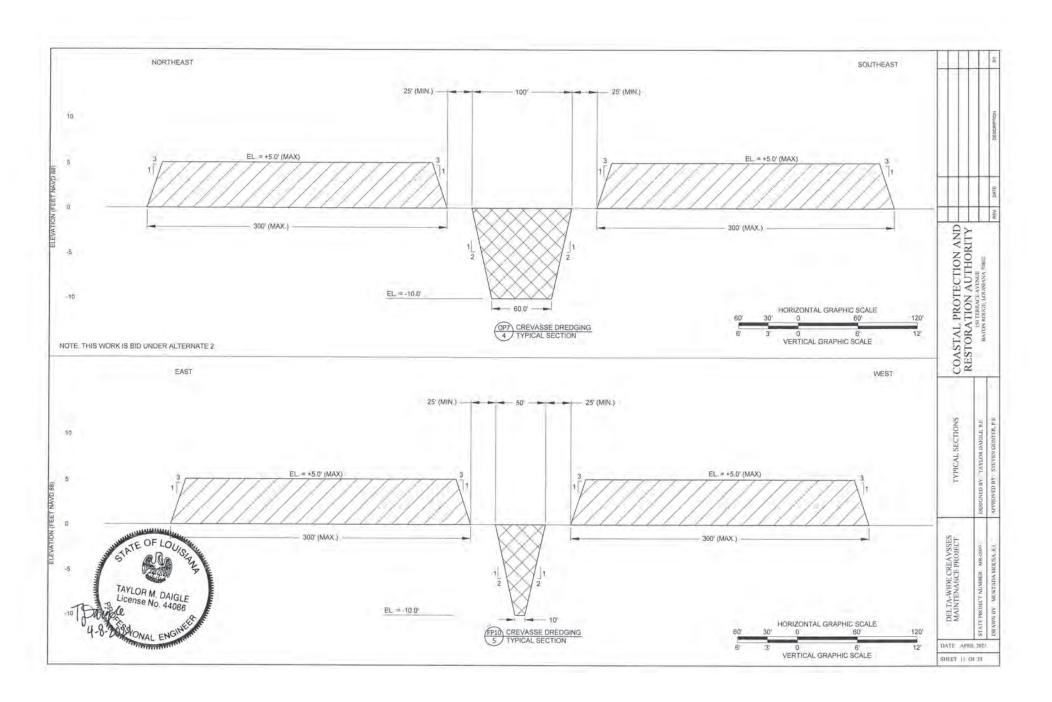


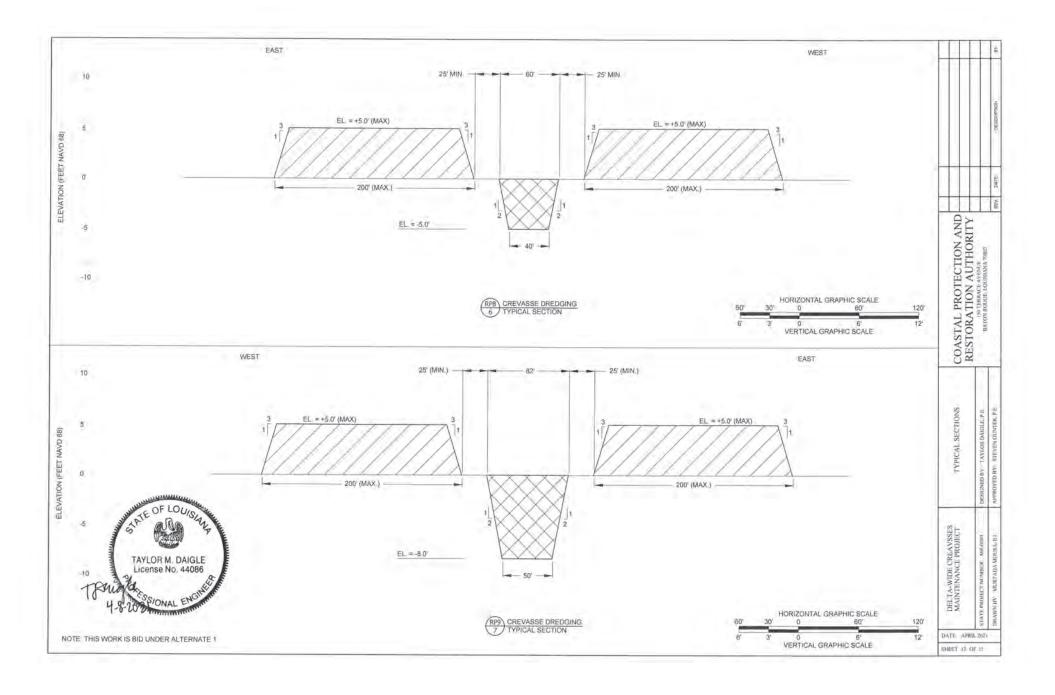


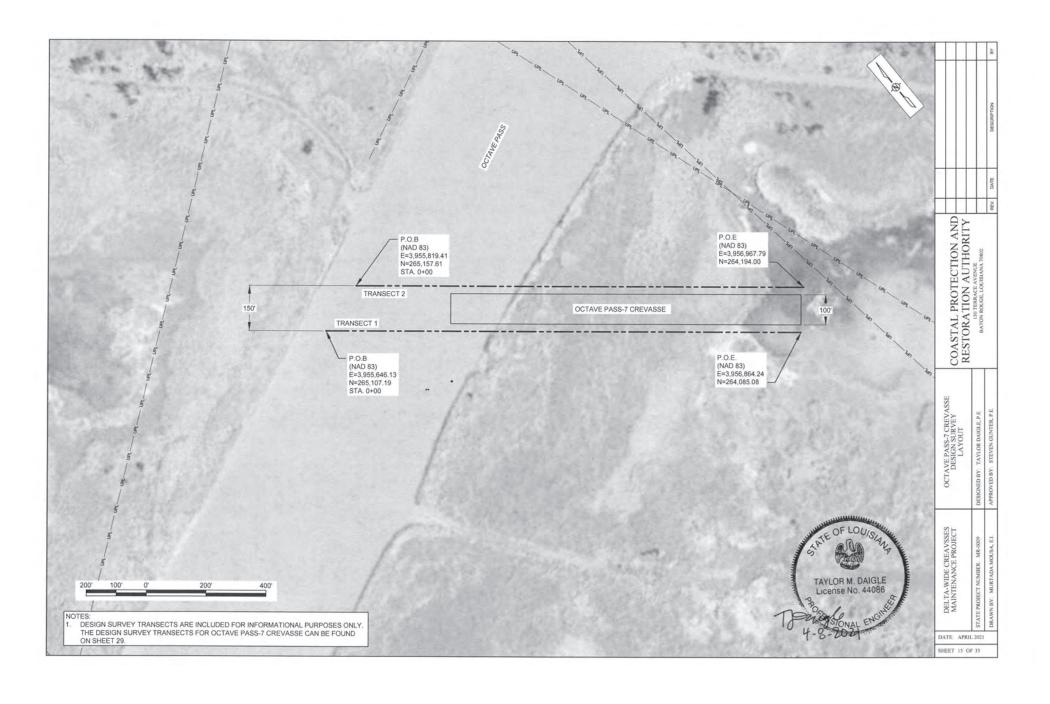


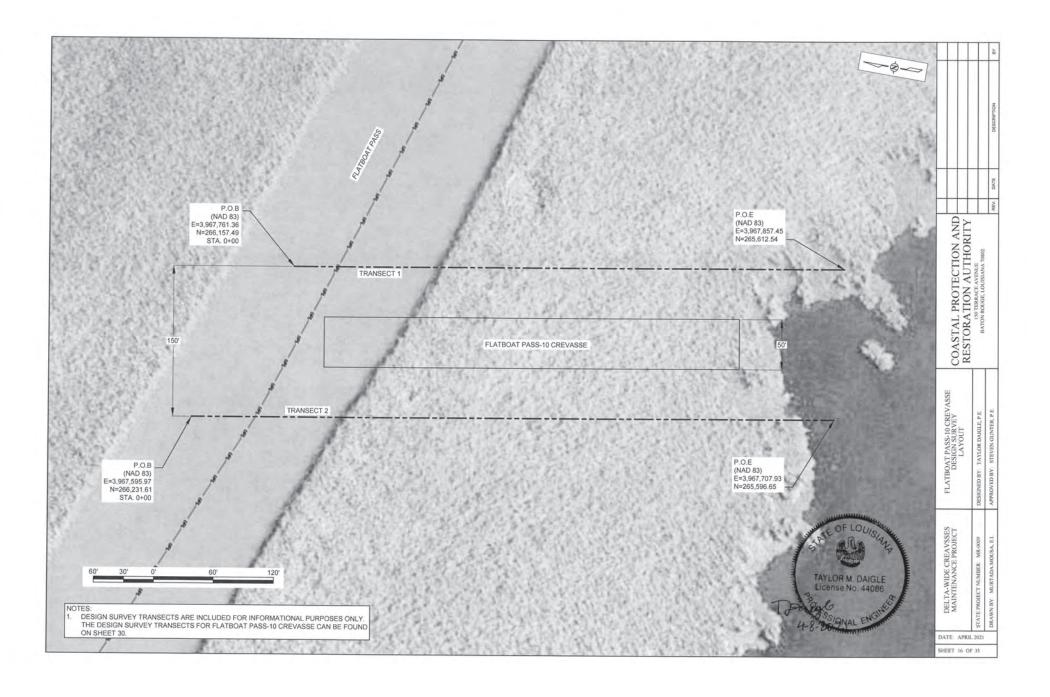


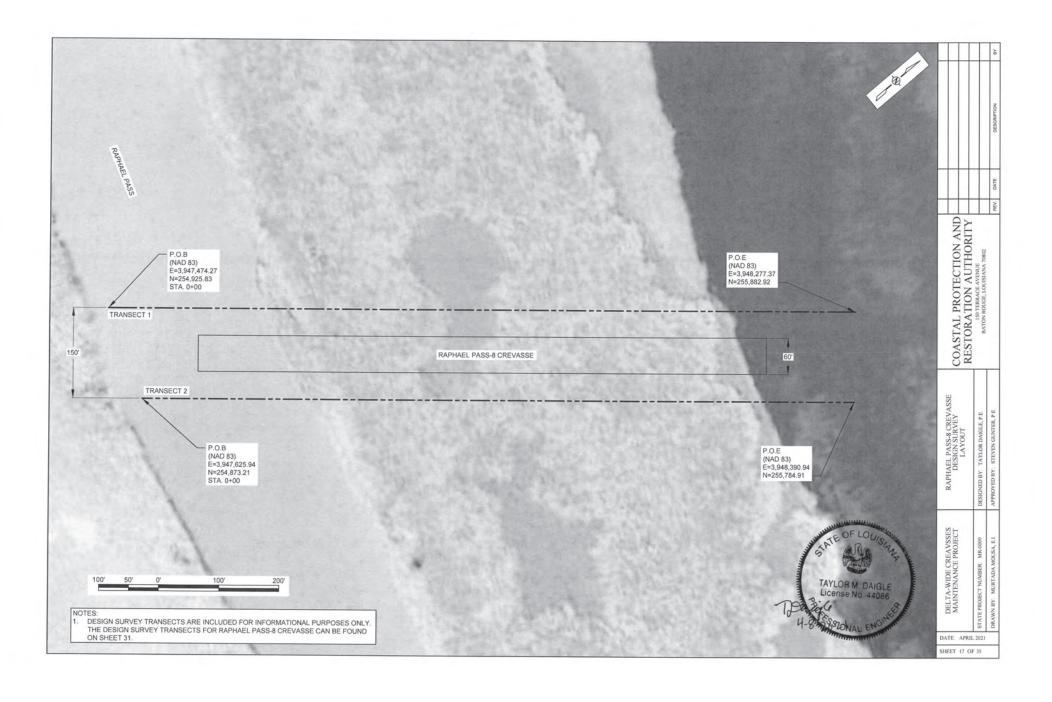


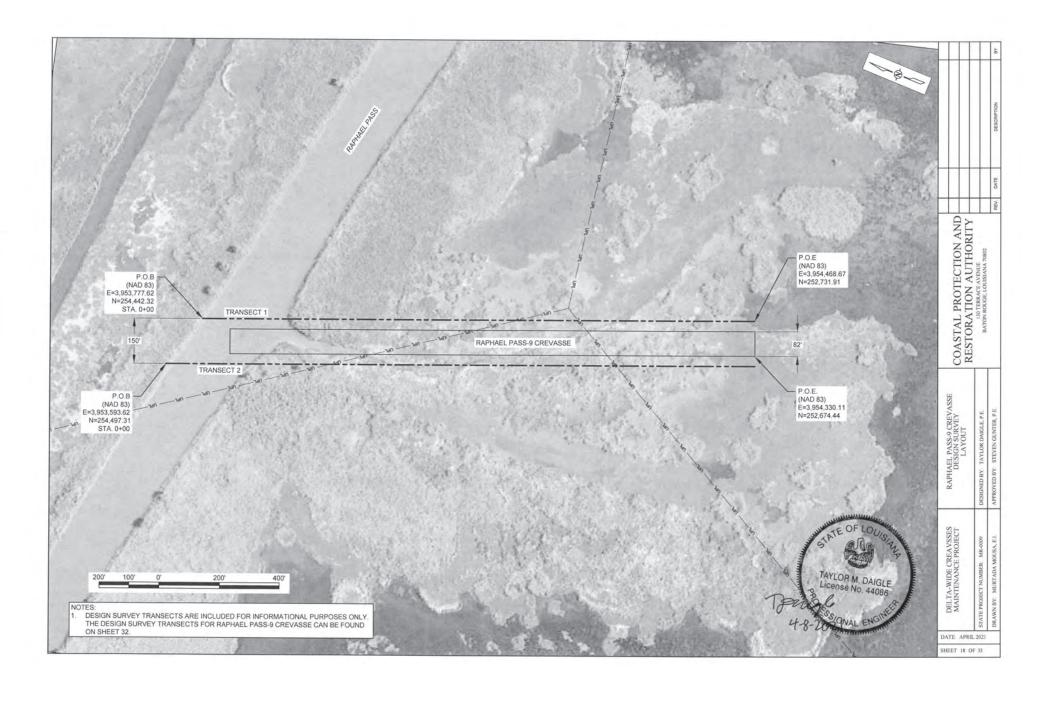


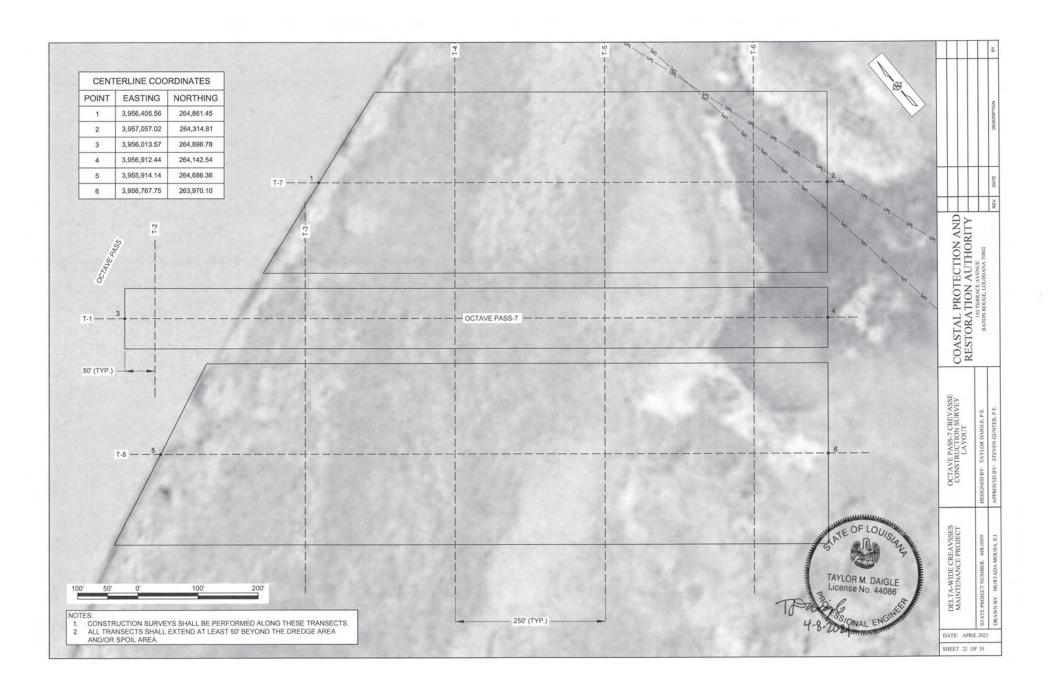




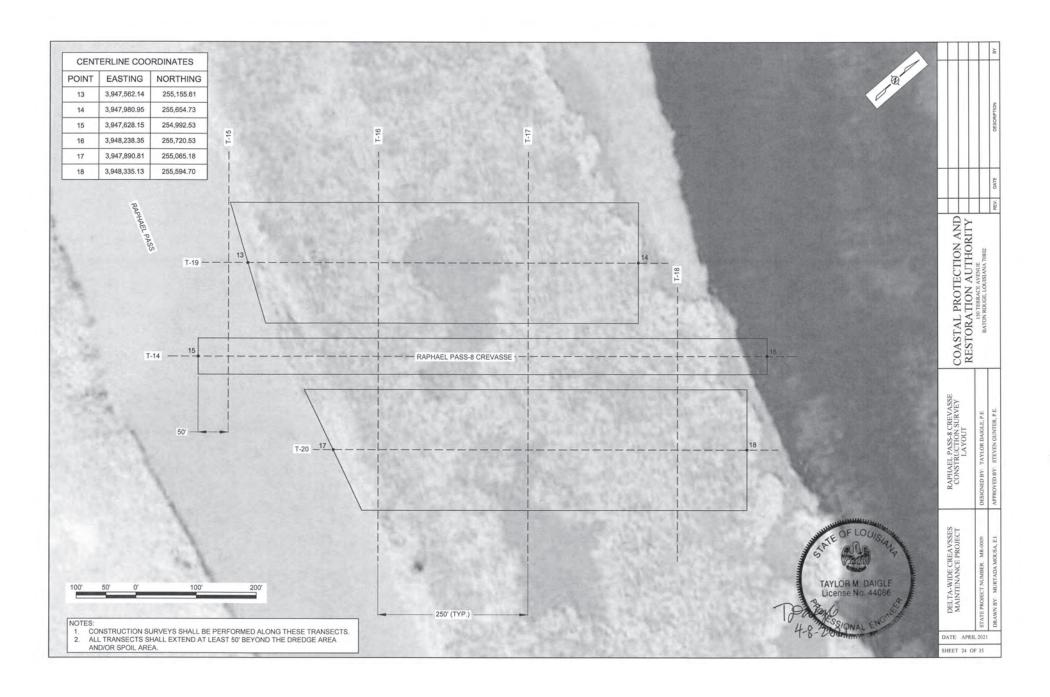


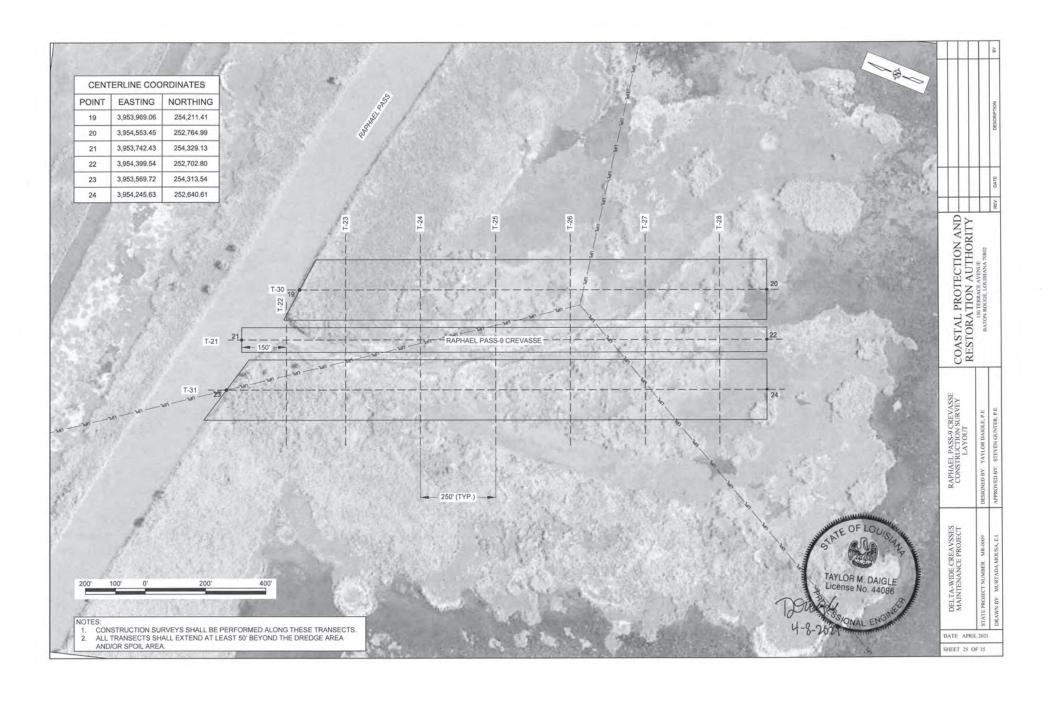


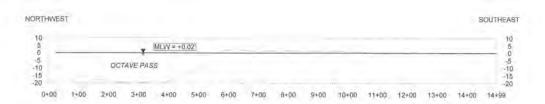








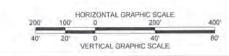




TRANSECT 1
CREVASSE OP-7

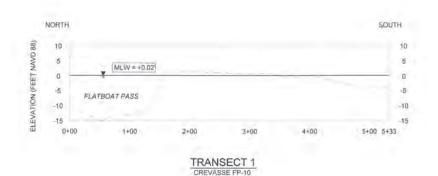
TRANSECT 2





COASTAL PROTECTION AND RESTORATION AUTHORITY ISSTERACE AUTHORITY ISSTERACE LOUISIANA TORRE. OCTAVE PASS-7 CREVASSE DESIGN SURVEY DATA DEL FA-WIDE CREVASSES MAINTENANCE PROJECT DATE APRIL 2017 SHEET 29 OF 15

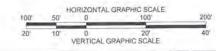
NOTE: FOR INFORMATIONAL PURPOSES ONLY



NORTH SOUTH ELEVATION (FEET NAVD 88) 10 10 5 5 MLVV = +0.02* 0 FLATBOAT PASS -5 5 -10 -10 -15 -15 0+00 1+00 2+00 3+00 4+00 5+00 6+00 6+45

> TRANSECT 2 CREVASSE FP-10





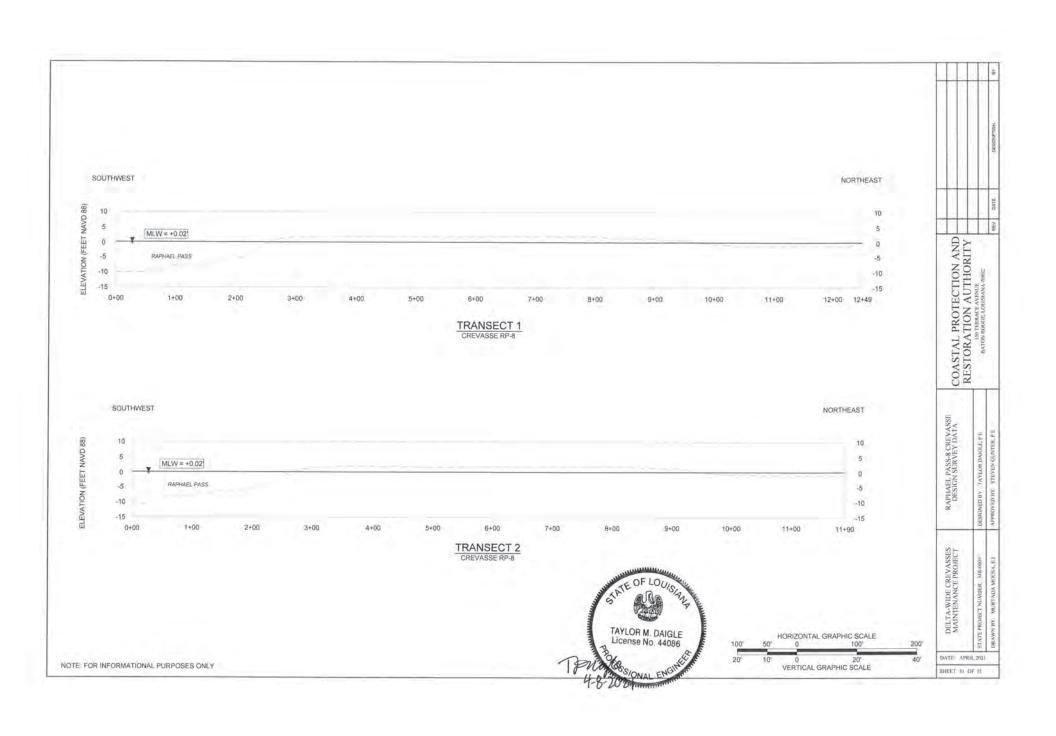
DATE APRIL 2021 SHEET 10 OF 15

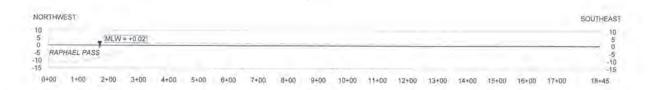
DELTA-WIDE CREVASSES MAINTENANCE PROJECT

COASTAL PROTECTION AND
RESTORATION AUTHORITY
1STERAGE LOUSIN'S THEE
BATTON ROLGE LOUSIN'S THEE

FLATBOAT PASS-10 CREVASSE DESIGN SURVEY DATA

NOTE: FOR INFORMATIONAL PURPOSES ONLY





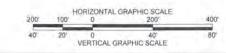
TRANSECT 1 CREVASSE RP-9

NORTHWEST

10
5
0
-5
RAPHAEL PASS
-10
-15
0 \$200 \$100 \$200 \$300 \$400 \$500 \$600 \$700 \$800 \$900 \$1000 \$1100 \$1200 \$1300 \$1400 \$1500 \$600 \$1700 \$1800 \$1940619466

TRANSECT 2
CREVASSE RP-9





DE CREVASSES RAPHAEL PASS-9 CREVANCE PROJECT DESIGN SURVEY DA	DISSONED BY TAYLOR DAIGLE, P.B.	APPROVED BY STEVEN GUNTER, P.
PROJECT		
DELTA-WIDE CREVASSES MAINTENANCE PROJECT	STATE PROJECT NUMBER - MR-5009	DRAWN BY MURTADA MOUSA, E.I.

COASTAL PROTECTION AND RESTORATION AUTHORITY IS STERRICE AUTHORITY SATEN ROLLE LOUGHAN TORKE GALD TO THE COASTANT TO THE COAST

NOTE FOR INFORMATIONAL PURPOSES ONLY



State of Louisiana

JOHN BEL EDWARDS

GOVERNOR

April 27, 2021

Mr. Jack Montoucet, Secretary Department of Wildlife and Fisheries Post Office Box 98000 Baton Rouge, La. 70898-9000

RE:

Amendment to Letter Agreement – Additional Work

Delta Wide Crevasses Project MR-09

Plaquemines Parish, Louisiana

Dear Mr. Montoucet:

When accepted by you, this letter shall constitute an amendment to a letter agreement (the Amendment to the Agreement) dated July 22, 2013 by and between the Louisiana Coastal Protection and Restoration Authority (CPRA) and the Louisiana Department of Wildlife and Fisheries (LDWF) whereby LDWF authorizes CPRA and its assigns to conduct additional access, construction and maintenance operations for the Delta Wide Crevasses Project MR-09 (Project) on the Pass-A-Loutre Wildlife Management Area (PWMA).

LDWF has no objection to CPRA, or its assigns, proceeding with the proposed additional Project work, which includes, but may not be limited to, additional access and crevasses to be constructed for the purposes authorized by Federal (16 U.S.C. 3951, et seq.) and State (R.S. 49:213-214) law within the Project area shown on Exhibit A-1, provided, however, that CPRA complies with the following stipulations:

- 1. This Amendment pertains to areas and activities as shown on Exhibit A-1, which replaces Exhibit A in the original Agreement, all within the LDWF PWMA, attached hereto and made a part hereof.
- 2. This Amendment pertains to contact information for LDWF and CPRA as shown on Exhibit B-1, which replaces Exhibit B in the original Agreement, attached hereto and made a part hereof.

Prior to any activities on the WMA, CPRA shall contact Mr. Lance Campbell or his assign(s) (Biologist Program Manager) at (337) 735-8668 to coordinate Project details. In the event any change or condition should develop that affects the WMA and that would affect CPRA's ability to perform the activities granted under this Amendment, LDWF and CPRA agree to contact each other. Detailed contact information for both LDWF and CPRA is set forth in the attached amended Exhibit B, which includes updated contact information.

Amendment to Letter Agreement Delta Wide Crevasses MR-09 Project Page 2

All other aspects of the original Agreement will remain the same.

If the foregoing accurately reflects the amended agreement between CPRA and LDWF relative to the referenced Project activities on the WMA, please evidence your approval by signing the five (5) originals and returning four (4) executed originals to this office. The documents will be recorded in the public records of Plaquemines Parish and a certified duplicate will be returned to your office upon completion. Thank you for your cooperation in this matter.

Thank you for your cooperation in this matter.

Very truly yours,

WITNESSES:

Print Name: VJ. MARRET

Print Name: Jordan Templet

Lawrence B. Haase Executive Director

COASTAL PROTECTION AND RESTORATION AUTHORITY

Amendment to Letter Agreement Delta Wide Crevasses MR-09 Project Page 3

ACCEPTED AND APPROVED THIS 6+	DAY OF
WITNESSES:	LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES
Print Name: De borah H. Marrs	By: Jack Montoucet
Print Name: Nicholas Yiumopala	Title: Secretary

ACKNOWLEDGMENT

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

BEFORE ME, the undersigned authority, du Parish and State aforesaid, on this	declared that he is the Executive Director of ity, State of Louisiana , that he executed the y and that the instrument was signed pursuant
Notary Number: 33424 My commission expires: Death (SEAL)	

ACKNOWLEDGMENT

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

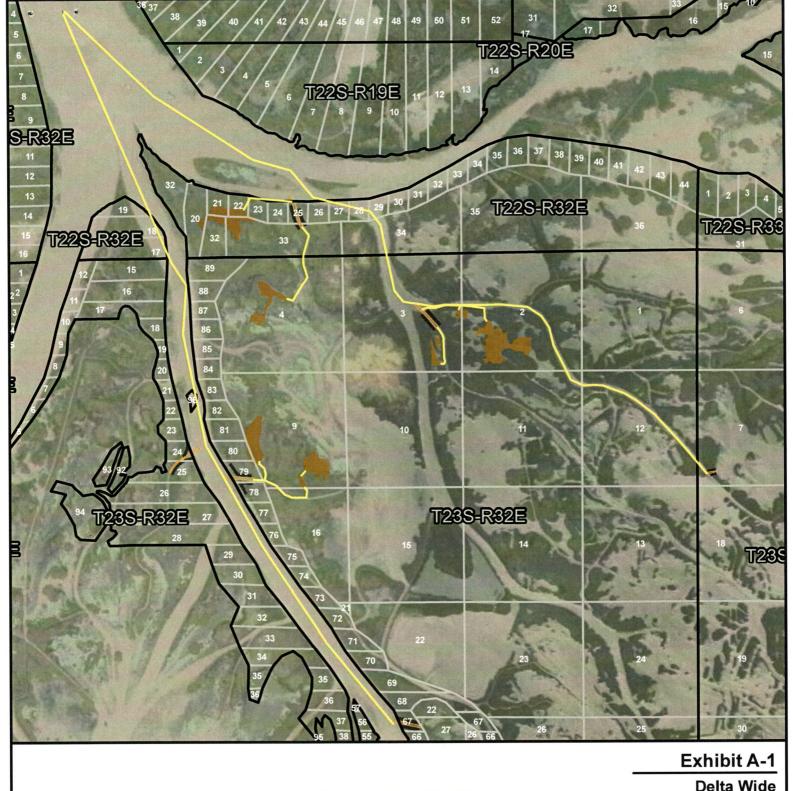
BEFORE ME, the undersigned authority, duly commissioned and qualified in and for said Parish and State aforesaid, on this 4th day of ________, 20 21, personally came and appeared Jack Montoucet, to me known, who declared that he is the Secretary of the Department of Wildlife and Fisheries, State of Louisiana, that he executed the foregoing instrument on behalf of said State Agency and that the instrument was signed pursuant to the authority granted to him by said State Agency and that he acknowledged the instrument to be the free act and deed of said State Agency.

Notary Number: LBN#34171

My commission expires: at dea

(SEAL)





Delta Wide Crevasses Project, MR-0009 Plaquemines Parish, Louisiana

 Access
Crevasse
Hydraulic Dredge Material
Mechanical Dredge Material
Section
Township
All project features are graphical
representations only, are subject to change,
and may not reflect true location or dimension

Coastal Protection and Restoration
Authority of Louisiana
Imagery: ESRI World
Map Date: 4/14/2021
//2021040665

EXHIBIT B-1

CONTACT INFORMATION FOR LDWF AND CPRA

Attached to, and made a part hereof, that Letter Agreement for the Delta Wide Crevasses Project MR-09 on the Pass-A-Loutre Wildlife Management Area (PWMA), dated ARL 27, 2021, by and between the Louisiana Department of Wildlife & Fisheries (LDWF) and the Louisiana Coastal Protection and Restoration Authority (CPRA).

LDWF CONTACT INFORMATION:

Lance Campbell
WMA Biologist Program Manager
LDWF / Wildlife Division
200 Dulles Drive
Lafayette, LA 70506
337-735-8668
ljcampbell@wlf.la.gov

Other contact information/ requirements:

CPRA CONTACT INFORMATION:

FOR LETTER AGREEMENT ISSUES, CONTACT THE CPRA LAND SECTION:

LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

CPRA Land Section

Attention: V. J. Marretta, Land Specialist

P.O. Box 44027

Baton Rouge, LA 70804-4027

Phone: (225) 342-5260

E-mail address: victor.marretta@la.gov

FOR TECHNICAL ISSUES REGARDING THE PROJECT, INCLUDING: CONSTRUCTION EQUIPMENT, PROJECT FEATURES, SITE VISITS, ETC., CONTACT THE CPRA PROJECT MANAGEMENT SECTION:

LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

CPRA, New Orleans Regional Office Taylor Daigle / Operations Project Manager 2045 Lakeshore Dr. New Orleans, LA 70122

Phone: (504) 282-3536

e-mail address: taylor.daigle@la.gov



DELTA WIDE CREVASSES (MR-0009) PHASE 4 MAINTENANCE PROJECT



PRE-BID MEETING MAY 12, 2021

Conference Line Phone Number: (215)446-3657 (or via Zoom audio)



PRE-BID MEETING AGENDA

- Acknowledgements
- Introductions
- Project Information
- Bid Submittal Requirements
- Contractor Requirements Overview

Construction Overview



ACKNOWLEDGEMENTS PARTNERS













INTRODUCTIONS

- Project Manager / Engineer CPRA
 - Taylor Daigle, P.E.
- Federal Project Manager NOAA
 - Dawn Davis
- Federal Project Engineer NOAA
 - Jason Kroll
- Delta National Wildlife Refuge POC USFWS
 - Barret Fortier







Project Information

Project scope includes mobilization/demobilization, surveying, and mechanical dredging of 7 crevasses.



- ➤ Base Bid 4 Crevasses: Flatboat Pass-10, Raphael Pass-8, South Pass-11, and South Pass-12 (Cleanout)
- Alternate 1 Raphael Pass-9 (Re-Dredge at New Angle)
- ➤ Alternate 2 Octave Pass-7
- Alternate 3 Loomis Pass-13





Project Information



Project Overview Map





Project InformationRegulatory

- Federal and State permits that are required to perform the Work have been secured by the owner.
- Contractor is responsible for obtaining any additional permits which may be needed to complete the Work.
 - Special Use Permit (SUP) Required
- Contractor must comply with "Standard Manatee Conditions for In-Water Activities"
- See Appendix C of the Bid Specifications.





Project InformationMap





committed to our coast

Project InformationLand Rights

- Project site is accessible only by boat.
- 4 Crevasses are located in the Delta National Wildlife Refuge (managed by USFWS)
 - Flatboat Pass-10Raphael Pass-8
 - o Raphael Pass-9
 - o Octave Pass-7
- 3 Crevasses are located in the Pass-a-Loutre Wildlife Management Area (Managed by LDWF)
 - South Pass-11
 South Pass-12

 Base Bid

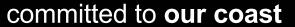




Project InformationWaterfowl Seasons

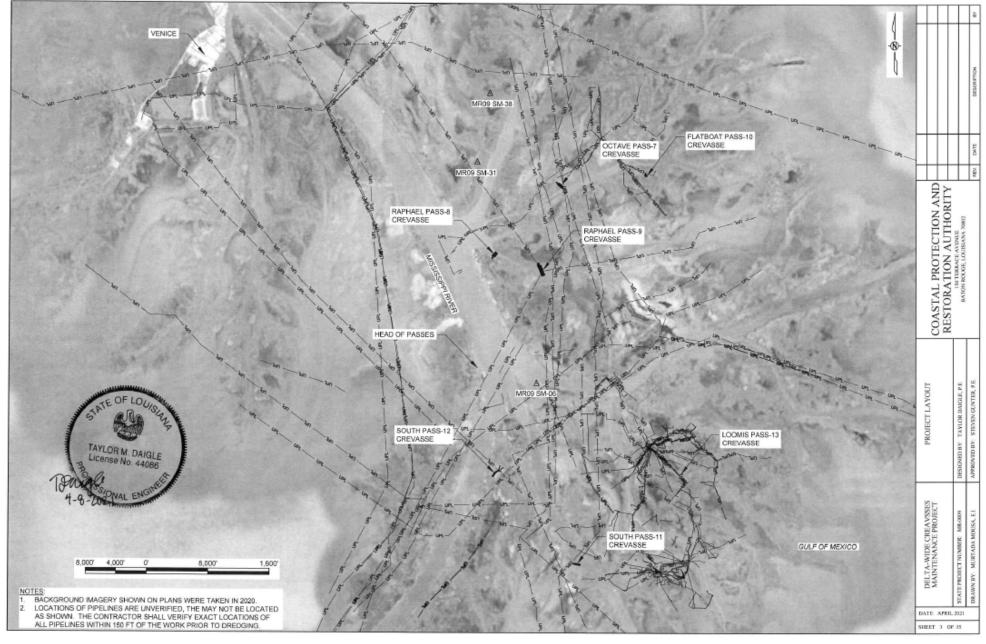
- Delta National Wildlife Refuge
 - No work November 1 January 31
- Pass-a-Loutre Wildlife Management Area
 - No work opening weekend of Teal Season (Sept 11-12)
 - During Regular Waterfowl Season (Nov 13, Nov 20-Dec 5, Dec 18-Jan 30, Feb 5)
 - No work on weekends.
 - No airboats.
 - Additional requirements may be imposed including possibly prohibiting all work.
- Because of waterfowl season work restrictions, the contract time has been chosen in order to complete all work before November.
 - See SP-11 for additional details.





Project InformationPipelines and Utilities





Project InformationPipelines and Utilities, cont.

- Pipeline and Utility Companies:
 - Entergy Will be working under an overhead powerline at the SP-12 crevasse. Need to notify Entergy prior to construction start.
 - Kinetica Need to coordinate crossing in South Pass, Loomis Pass, and Flatboat Pass
 - Notification Only:
 - o Shell
 - Third Coast Midstream
 - Texas Petroleum Investment Company
 - Direct Coordination Needed:
 - Chevron
 - ConocoPhillips
 - Whitney
- Many unverified pipelines are shown on plans but are not believed to exist – contractor must verify via magnetometer.
- Will discuss details on each specific crevasse location later in this presentation.







Bid Submittal Requirements



Bid Submittal Requirements

- CPRA
 Coastal Protection and estoration Authority of Louisiana
- Completed Louisiana Uniform Public Work Bid Form and Unit Price Forms
- Completed Bid Bond & Power of Attorney
- Full details are included in the Bid Documents
- Information in the Bid Documents govern



Contractor Bid Document Questions



ALL QUESTIONS MUST BE

SUBMITTED IN WRITING.



Contractor Bid Document Questions



Due by 2:00 pm (CST) on May 20, 2021

Via email: cpra.bidding@la.gov

Via fax: 225-800-5599

Attn: Allison Richard



CONTRACTOR BIDS

Due by 2:00 pm (CST) on Thursday, May 27, 2021

Hand Delivery

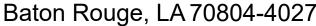
Coastal Protection and Restoration Authority
150 Terrace Ave
Attn: Allison Richard
Baton Rouge, LA 70802

Registered or Certified Delivery

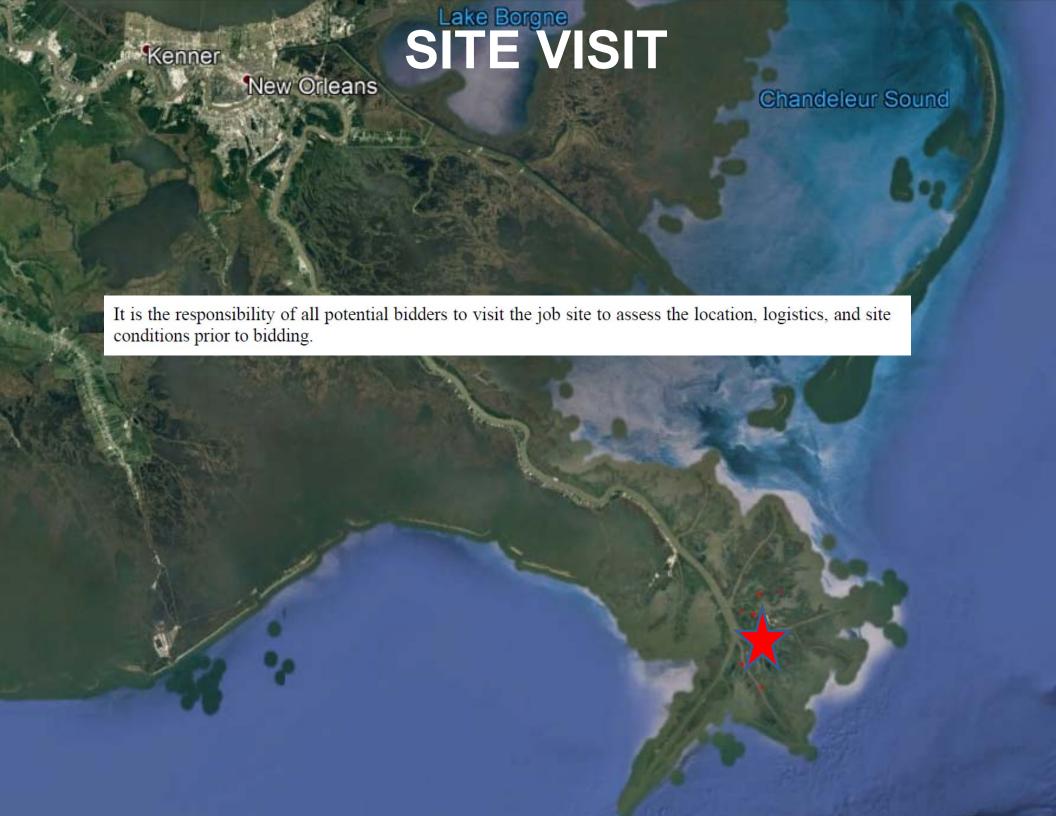
Coastal Protection and Restoration Authority

P.O. Box 44027

Attn: Allison Richard









Contractor Requirements Overview



Contractor Requirements Overview

CPRA
Coastal Protection and
Restoration Authority of Louisiana

- Davis-Bacon Act Compliance
- Progress Schedule (GP-9)
- Daily Progress Reports and Progress Meetings (GP-10 and GP-13)
- As-Built Drawings (GP-54) and As-Built Surveys (TS-230)
- Transportation for Resident Project Representative (SP-10)
- Contract time/period of performance (Instructions to Bidders):
 - 78 Days for Base Bid
 - 12 Days for Each Additive Alternate (possible total of 36 additional days)



Contractor Requirements Overview

CPRA
Coastal Protection and estoration Authority of Louisiana

- Mobilization/demobilization (TS-100)
- Surveys (TS-230)
- Mechanical Dredging (TS-340)





Construction Overview



Flatboat Pass-10 (Base Bid)



CENTERLINE COORDINATES			
POINT	EASTING	NORTHING	
7	3,967,920.85 265,972.79		
8	3,967,962.22	265,738.17	
9	3,967,692.83 266,114.2		
10	3,967,765.26	265,703.44	
11	3,967,486.00	266,135.46	
12	3,967,568.30	285,688.71	

1	CREVASSE DREDGING		DREDGE PLACEMENT AREA	
1	AREA (ACRES)	VOLUME (CY.)	AREA (ACRES)	VOLUME (CY.)
1	0.48	4035	4.94	37865

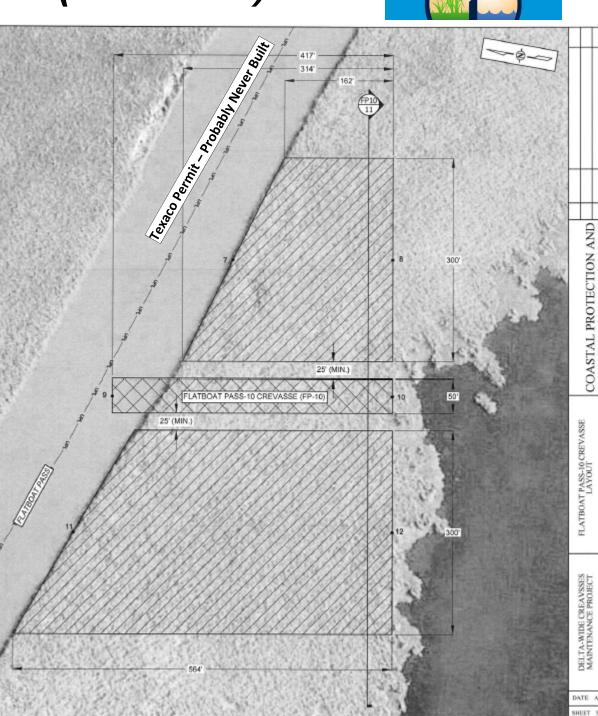
-New Crevasse

-Location/Landowner: DNWR / USFWS

-Top Width: 50'

-Coordinate with Kinetica prior to accessing site.

-Contractor responsible for LA One Call and Magnetometer survey to verify any pipeline infrastructure.



Kinetica Pipelines





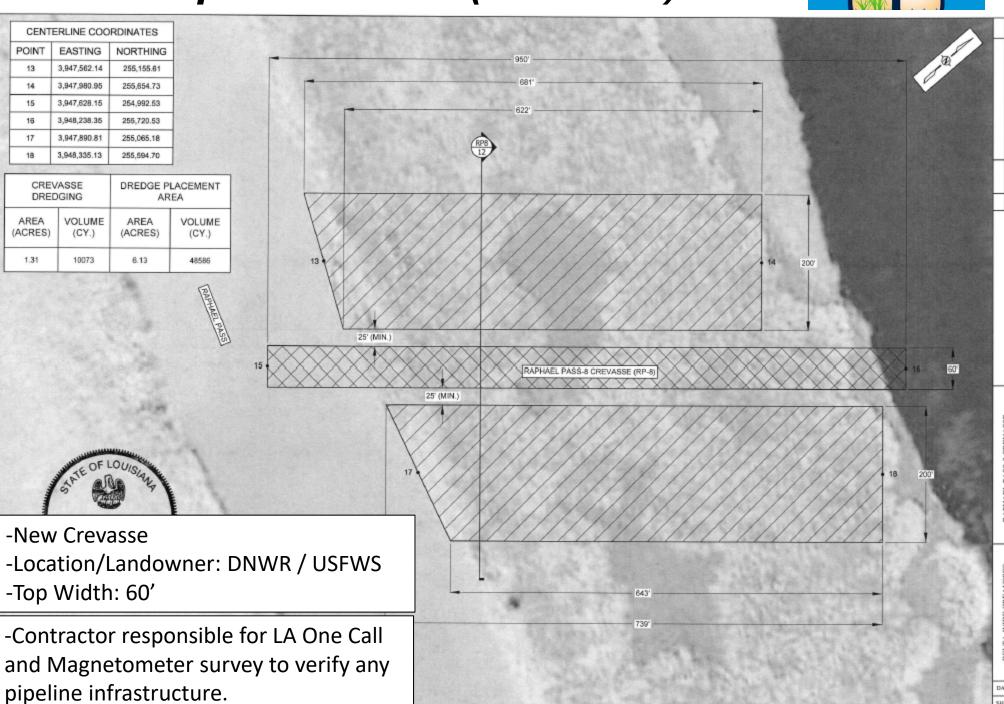
Flatboat Pass-10 (Base Bid)



EAST WEST EL. = +5.0' (MAX) EL. = +5.0' (MAX) -Top Width: 50' TAYLOR M. DAIGLE License No. 44086 -Bottom Width: 10' EL. = -10.0' -Bottom Elevation: -10' NAVD 88 -Max Placement Elevation: +5' NAVD 88 committed to our coast 26

Raphael Pass-8 (Base Bid)



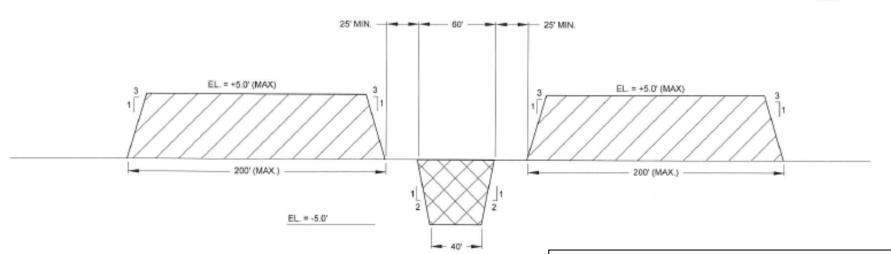


Raphael Pass-8 (Base Bid)

EAST



WEST



RPB CREVASSE DREDGING 6 TYPICAL SECTION -Top Width: 60'

-Bottom Width: 40'

-Bottom Elevation: -5' NAVD 88

-Max Placement Elevation: +5' NAVD 88



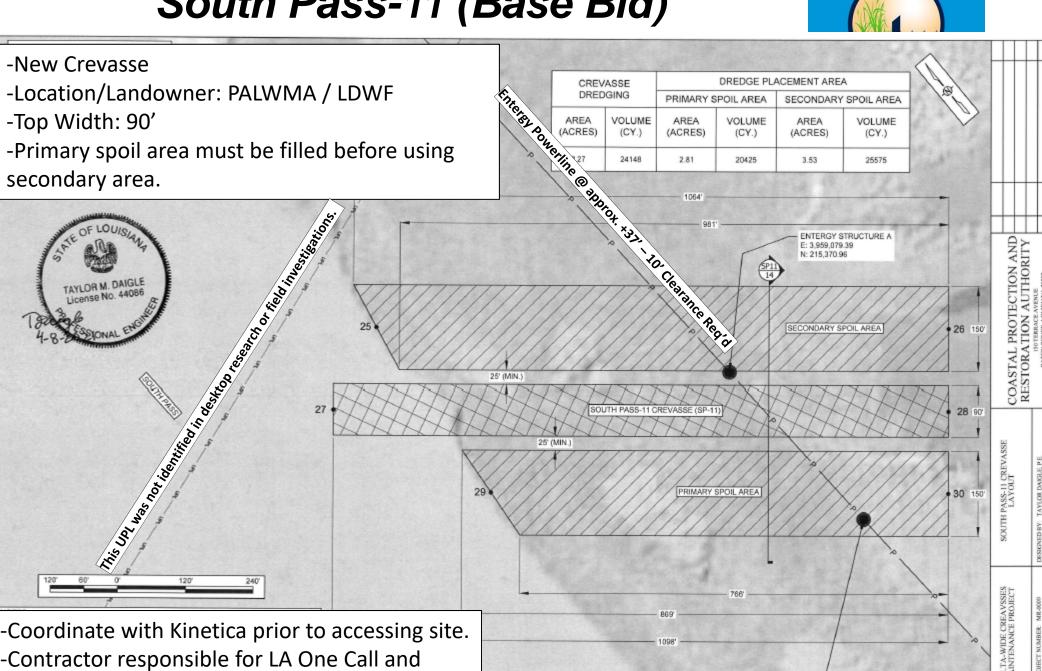
committed to our coast

South Pass-11 (Base Bid)

Magnetometer survey to verify any pipeline

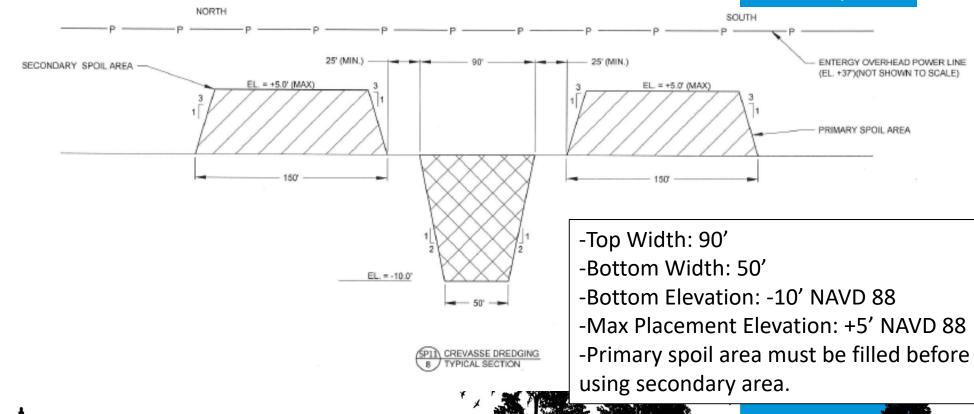
infrastructure.





South Pass-11 (Base Bid)

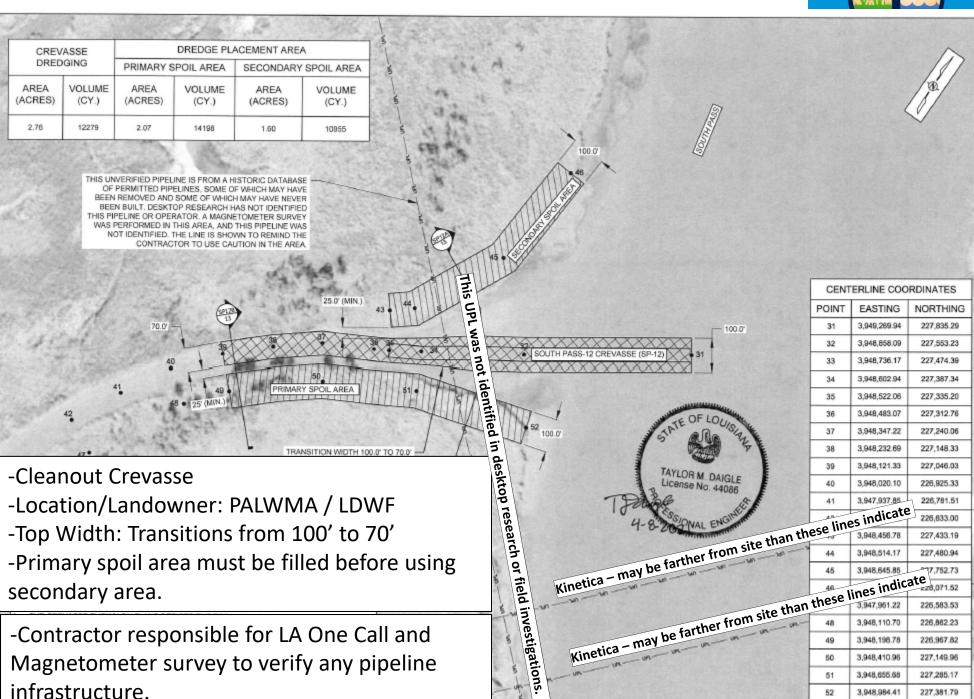




committed to our coast

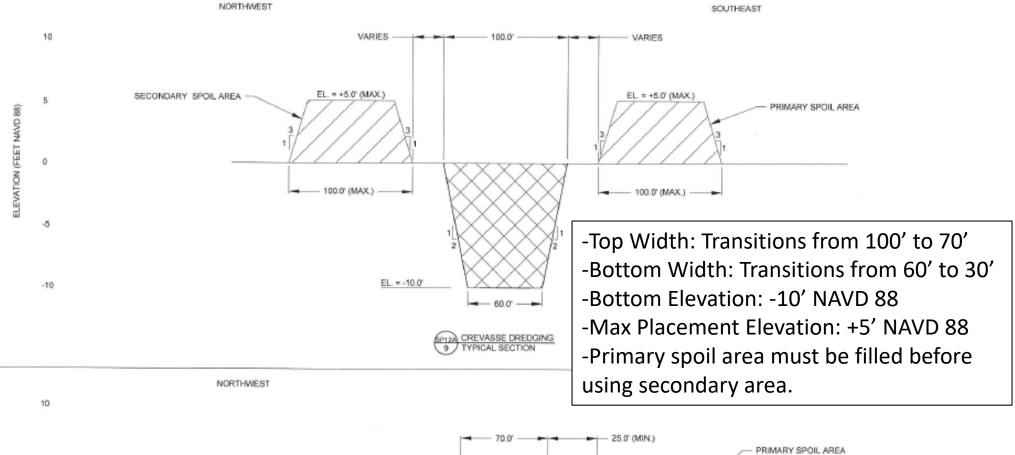
South Pass-12 (Base Bid)

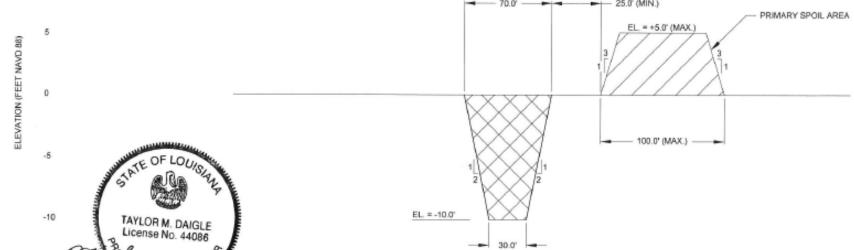


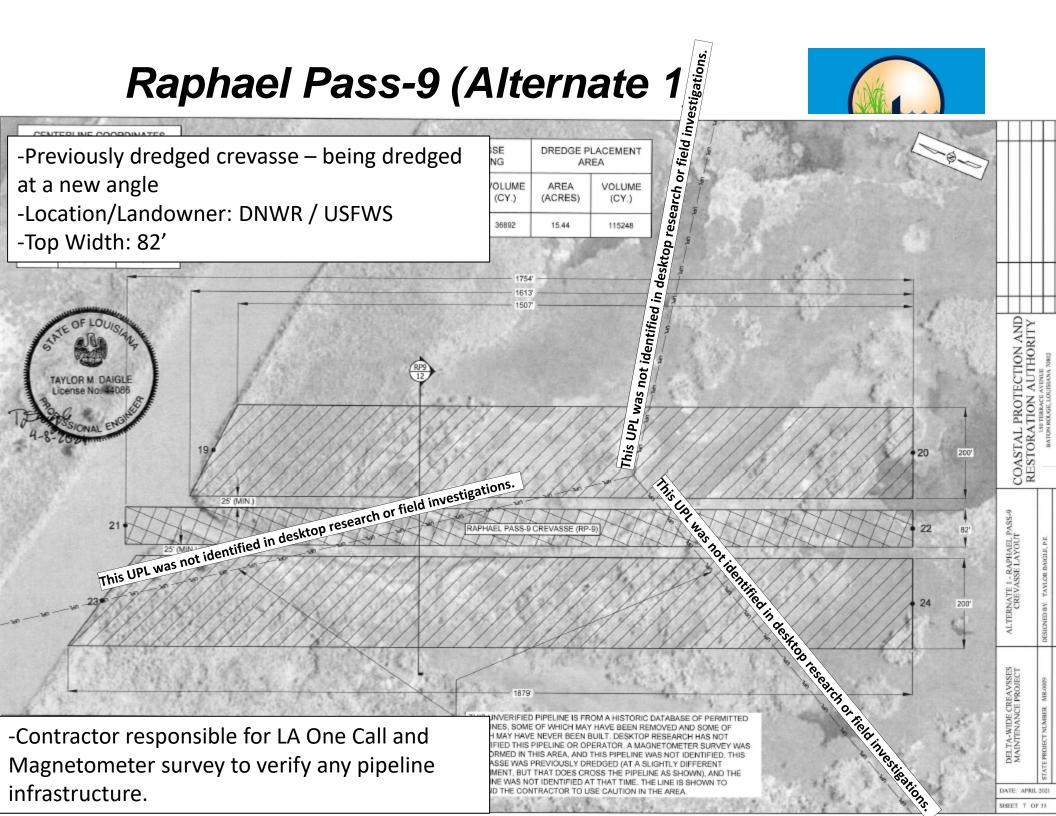


South Pass-12 (Base Bid)







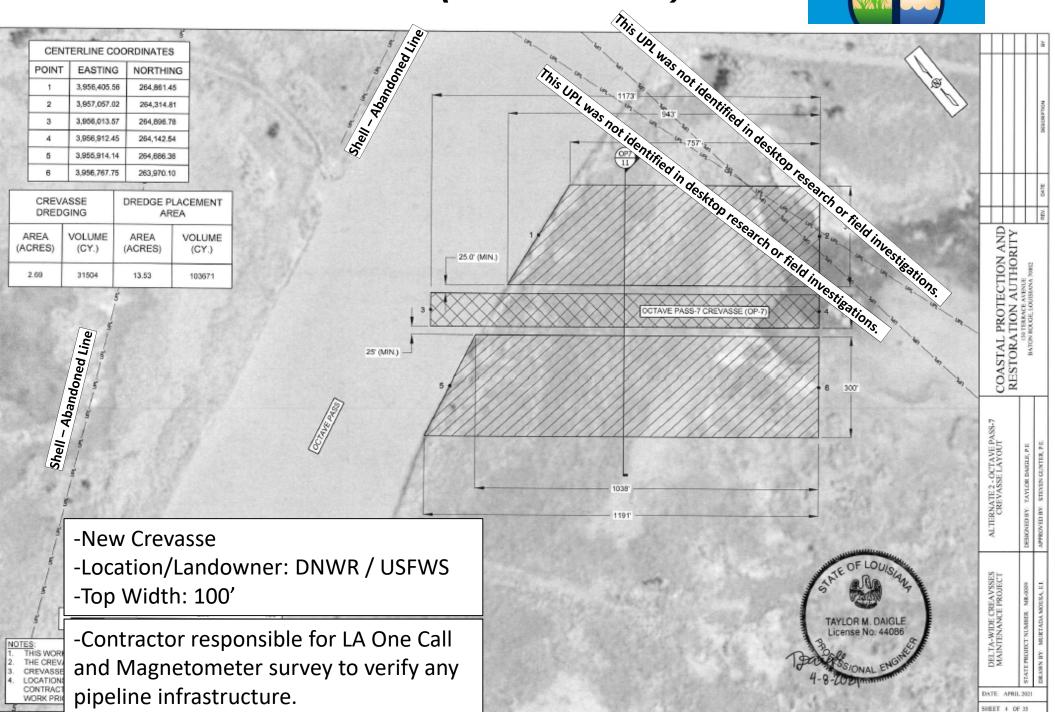


Raphael Pass-9 (Alternate 1)





Octave Pass-7 (Alternate 2)



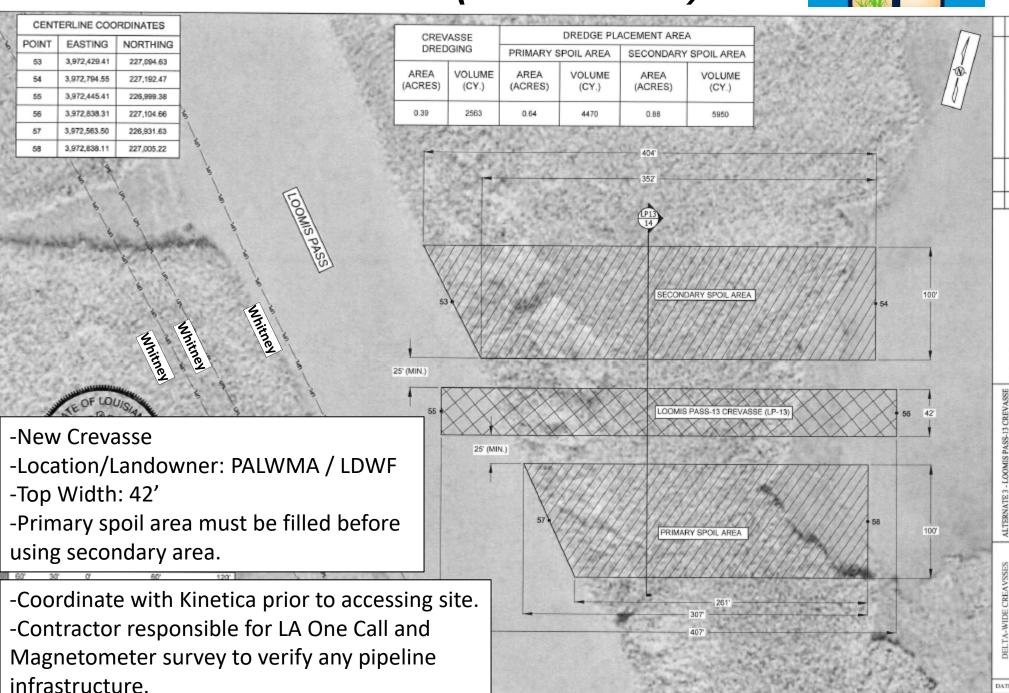
Octave Pass-7 (Alternate 2)



NORTHEAST SOUTHEAST EL = +5.0' (MAX)EL. = +5.0' (MAX)-Top Width: 100' $EL. = -10.0^{\circ}$ -Bottom Width: 60' -Bottom Elevation: -10' NAVD 88 BID UNDER ALTERNATE 2 -Max Placement Elevation: +5' NAVD 88 committed to our coast 36

Loomis Pass-13 (Alternate 3)



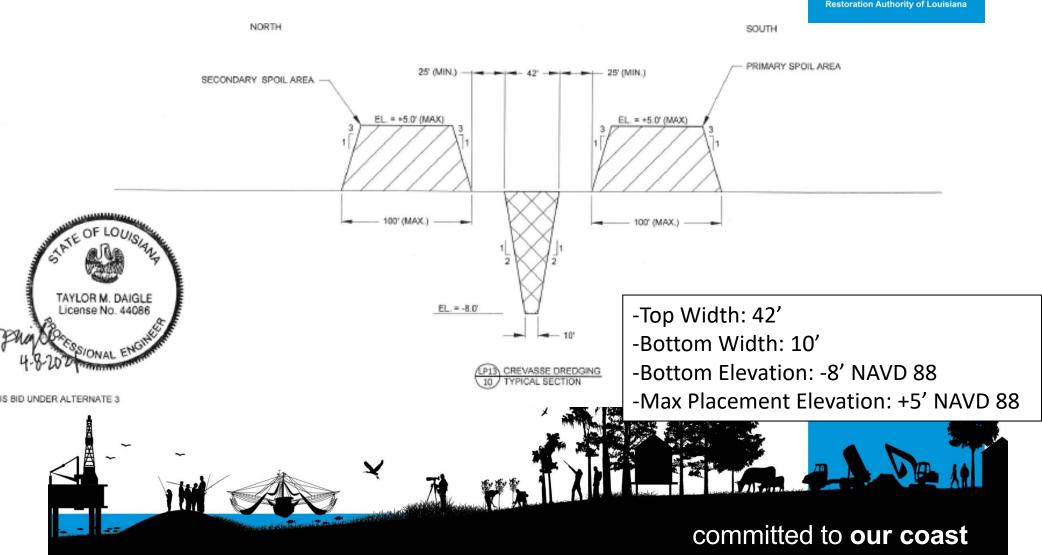


LAYOUT COASTAL PROTECTION AND
RESTORATION AUTHORITY
1907EBRACE AVENUE
BATON BOLICE, LOUISIANA 19602

DATE: APRIL 2021

Loomis Pass-13 (Alternate 3)





Questions

Due by 2:00 pm (CST) on May 20, 2021

Via email: cpra.bidding@la.gov

Via fax: (225) 800-5599

Attn: Allison Richard



