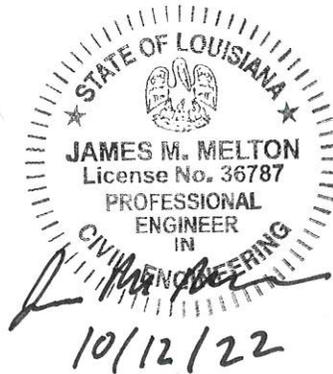


**ADDENDUM 1 TO BID DOCUMENTS FOR THE
SOUTH PASS BIRD ISLAND PROJECT
(MR-0172)
PLAQUEMINES PARISH, LOUISIANA**



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

OCTOBER 12, 2022

**ADDENDUM 1 TO BID DOCUMENTS
SOUTH PASS BIRD ISLAND PROJECT
(MR-0172)**

The interpretations, corrections, or changes in this addendum supersede the requirements in the Bid Documents dated September 2022 and stamped and sealed by the Engineer of Record on September 14, 2022.

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

I. CPRA Response to Bidder Questions:

Question 1:

Is there a list of plan holders or potential bidders that you could send my way?

CPRA Response:

See Attachment 1 "Plan Holders List".

Question 2:

Is there an estimated budget or value you were willing or able to share with me at this time?

CPRA Response:

The Designer's estimate for the project is \$1,048,405.00.

Question 3:

Have start and end dates for the actual work on the project been established yet?

CPRA Response:

The Owner shall submit a written Notice to Proceed to the Contractor which provides the starting date for the Contract Time. Furthermore, Louisiana Revised Statutes 38:2215.C states that "Upon the execution of the contract, the public entity, within thirty days thereafter, shall issue to the contractor a notice to proceed with the project. However, upon mutual consent by both parties, the notice to proceed may be extended."

Question 4:

Can you please provide the Estimate on the South Pass Bird Island Project that is due to bid 10/19/2022?

CPRA Response:

See response to Question 2.

Question 5:

For the above project, could you send me the list of attendees to the Pre-Bid Meeting held yesterday once it's available?

CPRA Response:

Because the Pre-Bid Conference was non-mandatory, attendance was not taken. Therefore, a list of attendees cannot be provided.

Question 6:

Can you please provide coordinates for the proposed earthen containment dike.

CPRA Response:

The coordinates for the center of the Bird Nesting Island are provided on Plan Sheets 3 and 4. As per the typical sections shown on Plan Sheet 8, the outside crest of the Earthen Containment Dike shall be offset from this point two hundred and sixty feet (260').

Question 7:

In the specifications for the dredge pipeline corridor survey it says "Perpendicular transects shall be surveyed at one-thousand foot (1000') intervals and shall extend two hundred feet (200') from each side of the centerline", however on the plans (page 12) it shows it as 100' from each side of the centerline. Can you please clarify which one is correct.

CPRA Response:

The perpendicular transects shall extent one hundred feet (100') from each side of the centerline. See Section II "Revisions to the Specifications" for modifications to TS-200.8.9.

II. Revisions to the Specifications

Modifications to the Specifications are represented by the following:

- Bold, italicized text for language supplementary to the specification, and;
- Bold, "strikethrough" text for language removed from the specification.

Special Provisions:

The following sections are replaced in their entirety with the respective sections below. A revised version of the Bid Documents that includes these modifications will be provided to the Contractor after Award.

11.2.1 General

Pipelines exist within the Project Site and include, but are not limited to, flow lines, pipelines, and associated pipeline facilities. Generally, “pipelines” are larger diameter, long-distance, high-pressure lines, and are subject to federal regulations. Pipelines typically range in size from 6 inches (6”) to 48 inches (48”) in diameter. “flow lines” or “production lines” are generally smaller, short-distance, or lower-pressure lines, and typically range from 2 inches (2”) to 6 inches (6”) in diameter. These lines are typically located within the coastal zone, are primarily underwater, and may contain oil, gas, water, or other substances. For clarity, both flow lines and pipelines are designated as pipelines on the Plans and in the specifications, and do not include oil and gas operations that might commence at some future date.

The Owner has sent Notice of Construction letters to all known pipeline owners/operators within the proposed Work limits. The Notice of Construction letters are included in Appendix E.

The Owner has **NOT** acquired written agreements with pipeline owners/operators to perform the Work. The Contractor will be responsible for obtaining all necessary ~~pipeline owners/operators~~ Agreements/Letters of No Objections (LONOs)/Letters of Consent, as required by the *known* pipeline owners/operators, to perform the Work within the pipeline owners/operators right-of-ways. Copies of all Contractor and pipeline owners/operators Agreements/(LONOs)/Letters of Consent, shall be submitted to the Owner prior to the commencement of Work within five hundred feet (500’) of ~~any~~ *the respective* pipeline. The Contractor shall also provide the Engineer with written correspondence for any pipeline owners/operators not requiring Agreements/(LONOs)/Letters of Consent.

The Owner has performed a two-part pipeline investigation in accordance with the American Society of Civil Engineers, CI/ASCE 38-02, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data. The initial investigation consisted of reviewing Geographic Information System (GIS) pipeline location records meeting CI/ASCE 38-02 Quality Level D. Upon completion of this review, the Owner conducted magnetometer surveys meeting Quality Level B. Additionally, the Owner performed probings of pipeline locations identified from the magnetometer survey to evaluate pipeline horizontal and vertical positions.

To verify pipeline locations, the Contractor shall provide an independent magnetometer survey prior to construction as per TS-200. The verification of pipeline locations, horizontal and vertical positions, and vessel draft of the Contractor’s equipment, is essential for project safety. The dredge pipeline shall be floated over pipelines as shown on the Plans, or as required by the pipeline owners/operators stipulations.

Technical Specifications:

The following sections are replaced in their entirety with the respective sections below. A revised version of the Bid Documents that includes these modifications will be provided to the Contractor after Award.

100.3.2 Existing Infrastructure Protective Measures: The Contractor shall not traverse across any pipeline with any equipment prior to placement of protective measures (~~if required by pipeline owner~~). Protective measures shall be capable of withstanding damage. *For known pipelines*, type(s) of material used shall be coordinated with and approved by the pipeline owner, and included in the Work Plan. *For unknown pipelines, type(s) of material used shall be included in the Work Plan for approval by the Engineer.* The Contractor shall remove the protective measures from the Project Area prior to demobilization. Any damages to existing infrastructure shall be returned to pre-project conditions at no additional cost to the Owner. In the event that protective measures are not required by the *known* pipeline owner, the Contractor shall provide written documentation from the pipeline owner stating as such in the Work Plan.

200.8.7 New Crevasse: A magnetometer, *and* bathymetric, ~~and/or~~ /topographic survey shall be performed along the centerline and perpendicular transects of the New Crevasse and its respective spoil placement area. Ground elevations along the centerline shall be recorded at twenty-five foot (25') intervals, or where changes in elevation of greater than one-half foot (0.5') occur.

Perpendicular transects shall be spaced every one-hundred feet (100') and shall extend one-hundred and fifty feet (150') from each side of the centerline. Ground elevations and coordinates shall be recorded at twenty-five foot (25') intervals, points of inflection, or where changes in elevation of greater than one-half foot (0.5') occur. The total projected length (in feet), cut quantity (cubic yards), and spoil quantity (cubic yards) for the New Crevasse shall be calculated based on this survey and the New Crevasse dimensions shown in the Plans. For construction layout, the top of bank points of the New Crevasse and the inside toe of the spoil template shall be surveyed and staked out every one-hundred feet (100').

200.8.9 Dredge Pipeline Corridor: A magnetometer and bathymetric/topographic survey shall be performed along the entire corridor of the dredge pipeline prior to installation. These surveys shall extend from the end of Existing Crevasse 1 and 2 to the Bird Nesting Island. Perpendicular transects shall be surveyed at one-thousand foot (1000') intervals and shall extend ~~two hundred feet (200')~~ *one hundred feet (100')* from each side of the centerline. Bottom elevations and coordinates shall be recorded along the centerline at one-hundred foot (100') intervals, points of inflection, and where changes in elevation of greater than one-half foot (0.5') occur. Bottom elevation and coordinates shall be recorded along the perpendicular transects at twenty-five foot (25') intervals, points of inflection, and where changes in elevation of greater than one-half foot (0.5') occur. The Contractor shall establish stationing along the entire Dredge Pipeline Corridor.

200.8.10 Bird Nesting Island: A magnetometer, *and* bathymetric, ~~and/or~~ /topographic survey shall be performed on the Bird Nesting Island. Transects shall be consistent with the construction survey layout shown on the Plans. Ground elevations and coordinates

shall be recorded at twenty-five foot (25') intervals or where changes in elevation greater than one-half foot (0.5') occur. The Pre-Construction Survey of the Bird Nesting Island shall not begin until the constructed Earthen Containment Dike has been Accepted by the Engineer.

200.12.1 Pre-Construction Survey: The Contractor may mobilize equipment, but shall not start construction *of any work item* until Acceptance of the Pre-Construction Survey has been acquired ~~for the Bird Nesting Island and Existing Crevasses for the associated feature. The Pre-Construction Survey for the ECDs and New Crevasse must gain Acceptance prior to construction of each respective feature.~~

400.3.3 Existing Infrastructure Crossings: The dredge pipeline shall remain floating at all times ~~within fifty feet (50') of~~ *while crossing over* all pipelines. The Contractor may submit any alternative option for crossing any of these pipelines in the Work Plan. However, the Contractor shall obtain written approval from the pipeline operator(s) for any option that could cause impacts (weight, vibrations, etc.) to the pipeline(s). The following pipelines exist within the Dredge Pipeline Corridor:

400.3.3.1 High Point Gas Transmission: One (1) sixteen-inch (16") diameter natural gas pipeline operated by High Point Gas Transmission exists within the dredge pipeline corridor in the locations shown on the Plans.

400.3.3.2 Unknown Pipeline: Three (3) pipeline of unknown size, contents, and operator exists within the dredge pipeline corridor in the locations shown on the Plans.

400.4.5 Existing Infrastructure: No hydraulic excavation, *anchoring, or spudding* may take place within one hundred and fifty feet (150') of any existing pipeline or submerged transmission line. ~~No anchoring or spudding shall be permitted within fifty feet (50') of any existing pipeline or submerged transmission line.~~ The following pipelines exist within the Existing Crevasses:

400.4.5.1 High Point Gas Transmission: One (1) sixteen-inch (16") diameter natural gas pipeline operated by High Point Gas Transmission exists within Existing Crevasse 2 in the location shown on the Plans.

400.4.5.2 Unknown Pipeline: One (1) pipeline of unknown size, contents, and operator exists within Existing Crevasse 1 and one (1) pipeline of unknown size, contents, and operator exists within Existing Crevasse 2 as shown on the Plans.

The following section shall be added to TS-200.11.1.

200.11.1.4 As Built Survey Data shall also be submitted in accordance with the CPRA Louisiana Sand Resources Database (LASARD) Standard Operating Procedures, which can be obtained from the following link: <https://cims.coastal.louisiana.gov/RecordDetail.aspx?Root=0&sid=12362>.

III. Revisions to the Plans

Modifications to the Plans are summarized below. See Attachment 2 for the revised Plan sheets. A full revised version of the Plans that includes these modifications will be provided to the Contractor after Award.

Plan Sheet 2: In the Summary of Estimated Quantities table, the following items shall be modified:

- Item No. 2 shall be modified from “Survey (TS-200)” to “Surveys (TS-200)”.
- Item No. 4 shall be modified from “Earthen Containment Dikes (TS-300)” to “Earthen Containment Dike (TS-300)”.

Plan Sheets 3-5: “FLOATING DREDGE PIPE WITHIN 50.0’ OF PIPELINE” callouts shall be modified as follows:

- All instances of “WITHIN 50.0’ OF PIPELINE” shall be replaced with “(SEE SHEET 10)”.

IV. Other:

See Attachment 3 for a copy of the Pre-Bid Meeting PowerPoint presentation.

V. Attachments:

Attachment 1 – Plan Holders List

Attachment 2 – Revised Plan Sheets

Attachment 3 – Pre-Bid Conference PowerPoint presentation.

ATTACHMENT 1 – PLAN HOLDERS LIST

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Mitch	mroth@cycleconstruction.com
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Dodge	dodge.bidding@construction.com
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corinne bourg	cbourg@paulsagency.com
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Curran Williams	curran72200@gmail.com
Justin Chorlog	justin@coastaldredging.net
Nick	nick.gremillion@la.gov
Curran Williams	curran72200@gmail.com

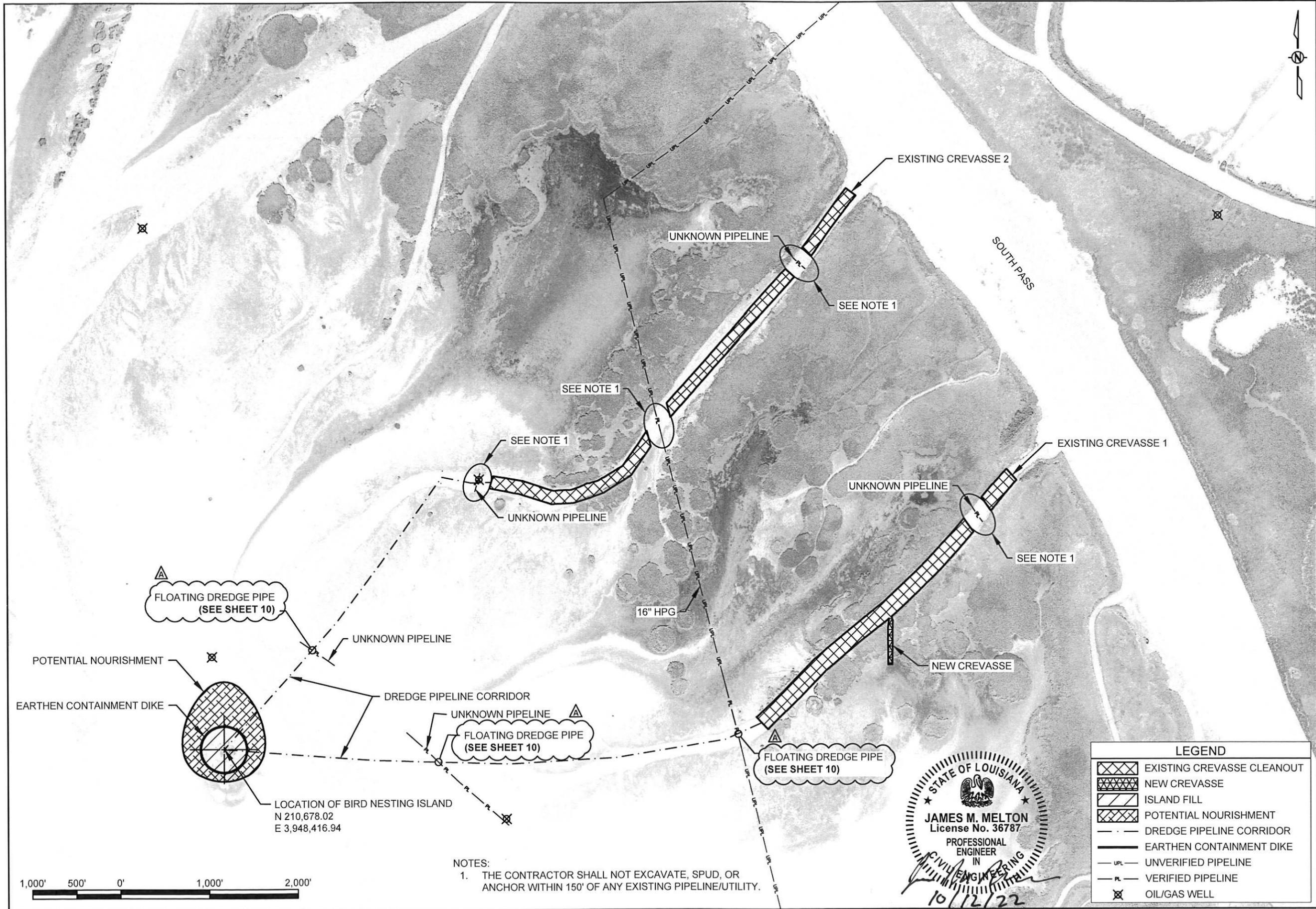
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Tyler Roy	tyler@usdredge.com
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Mike Nitska	mike.nitska@hydroterratec.com
Chris Saul	wcs@cayo.us
Jayalakshmi L L	jayalakshmil@construction.com
LaRon McClay	Imprestige82@gmail.com
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Stephen Snyder	stephen.snyder@ferguson.com
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John Anders	john@andersconstruction.com
robert sarver	robert@rigidconstructors.com
Dulymus Mcallister	Deuce@nglcompanies.com
Jessica Walden	jawalden@weeksmarine.com
Troy Dean Williams	Troywilliams@deandigs.com
robert sarver	robert@rigidconstructors.com

CPRA	South Pass Bird Island Project (MR-0172)
Manson Construction Co.	South Pass Bird Island Project (MR-0172)
gulf island	South Pass Bird Island Project (MR-0172)
Delta Coast Consultants LLC	South Pass Bird Island Project (MR-0172)
Hopkins Construction & Maintenance	South Pass Bird Island Project (MR-0172)
Diamond Services Corporation	South Pass Bird Island Project (MR-0172)
Deep South Construction & Salvage	South Pass Bird Island Project (MR-0172)
GDI	South Pass Bird Island Project (MR-0172)
CPRA	South Pass Bird Island Project (MR-0172)
rigid	South Pass Bird Island Project (MR-0172)
Rigid Constructors	South Pass Bird Island Project (MR-0172)
North America Procurement Council Inc	South Pass Bird Island Project (MR-0172)
Dodge Data & Analytics	South Pass Bird Island Project (MR-0172)
WMS	South Pass Bird Island Project (MR-0172)
Patriot	South Pass Bird Island Project (MR-0172)
Dupre Brothers Construction Co. Inc.	South Pass Bird Island Project (MR-0172)
ConstructConnect	South Pass Bird Island Project (MR-0172)
AGC	South Pass Bird Island Project (MR-0172)
ERS	South Pass Bird Island Project (MR-0172)
Environmental Management Services Inc.	South Pass Bird Island Project (MR-0172)
Cycle Marine Group Inc.	South Pass Bird Island Project (MR-0172)
Coastal Environments Inc.	South Pass Bird Island Project (MR-0172)
Sea Level	South Pass Bird Island Project (MR-0172)
Cycle	South Pass Bird Island Project (MR-0172)
U.S. Aqua Services	South Pass Bird Island Project (MR-0172)
Dodge Data & Analytics	South Pass Bird Island Project (MR-0172)
Orion	South Pass Bird Island Project (MR-0172)
com	South Pass Bird Island Project (MR-0172)
Onshore Materials LLC	South Pass Bird Island Project (MR-0172)
Bidnet	South Pass Bird Island Project (MR-0172)
Elos Environmental LLC	South Pass Bird Island Project (MR-0172)
Affolter Contracting Co. Inc.	South Pass Bird Island Project (MR-0172)
Quality First Marine	South Pass Bird Island Project (MR-0172)
Coactint LLC	South Pass Bird Island Project (MR-0172)
Beverly construction co.	South Pass Bird Island Project (MR-0172)
Scope Contractors LLC	South Pass Bird Island Project (MR-0172)
Palmisano Construction LLC	South Pass Bird Island Project (MR-0172)
Great Lakes Dredge & Dock Company LLC	South Pass Bird Island Project (MR-0172)
Great Lakes Dredge and Dock	South Pass Bird Island Project (MR-0172)
DDG	South Pass Bird Island Project (MR-0172)
Deltek	South Pass Bird Island Project (MR-0172)
Hydroterra Technologies LLC	South Pass Bird Island Project (MR-0172)
Weeks Marine Inc.	South Pass Bird Island Project (MR-0172)
MBI	South Pass Bird Island Project (MR-0172)
Mak\'s Data Analysis	South Pass Bird Island Project (MR-0172)
Suffix	South Pass Bird Island Project (MR-0172)
Harbor Dredging Inc.	South Pass Bird Island Project (MR-0172)

Broussard Brothers Inc.	South Pass Bird Island Project (MR-0172)
CPRA	South Pass Bird Island Project (MR-0172)
Quality First Marine	South Pass Bird Island Project (MR-0172)
B&K Construction Company LLC	South Pass Bird Island Project (MR-0172)
Coastal Technical Assistance Center	South Pass Bird Island Project (MR-0172)
ELOS	South Pass Bird Island Project (MR-0172)
Dock Hardware & Marine Fa	South Pass Bird Island Project (MR-0172)
RES	South Pass Bird Island Project (MR-0172)
Telesis Geophysical Services LLC	South Pass Bird Island Project (MR-0172)
Wilco Marsh Buggies	South Pass Bird Island Project (MR-0172)
Warren Paving/Slats Lucas Agg	South Pass Bird Island Project (MR-0172)
Vantage Contractors	South Pass Bird Island Project (MR-0172)
Paul\'s Insurance Services	South Pass Bird Island Project (MR-0172)
Neel-Schaffer	South Pass Bird Island Project (MR-0172)
Russell Marine LLC	South Pass Bird Island Project (MR-0172)
TKTMJ INC	South Pass Bird Island Project (MR-0172)
Couvillion Group	South Pass Bird Island Project (MR-0172)
EGR Services LLC	South Pass Bird Island Project (MR-0172)
Sealevel Construction	South Pass Bird Island Project (MR-0172)
Rigid Constructors	South Pass Bird Island Project (MR-0172)
Paul\'s Insurance Services LLC	South Pass Bird Island Project (MR-0172)
River/Gulf Marine LLC	South Pass Bird Island Project (MR-0172)
Viking Dredging	South Pass Bird Island Project (MR-0172)
MAG Technologies	South Pass Bird Island Project (MR-0172)
Great Lakes Dredge & Dock Company LLC	South Pass Bird Island Project (MR-0172)
CAYO LLC	South Pass Bird Island Project (MR-0172)
Paul\'s Agency LLC	South Pass Bird Island Project (MR-0172)
U.S. Aqua	South Pass Bird Island Project (MR-0172)
Dauterive Contractors Inc	South Pass Bird Island Project (MR-0172)
RES	South Pass Bird Island Project (MR-0172)
Luhr Crosby LLC	South Pass Bird Island Project (MR-0172)
CPRA	South Pass Bird Island Project (MR-0172)
Coastal Resource Consulting LLC	South Pass Bird Island Project (MR-0172)
Dean	South Pass Bird Island Project (MR-0172)
Mike Hooks	South Pass Bird Island Project (MR-0172)
Deep South Construction & Salvage	South Pass Bird Island Project (MR-0172)
Dauterive Contractors Inc	South Pass Bird Island Project (MR-0172)
Couvillion Group	South Pass Bird Island Project (MR-0172)
North America Procurement Council Inc. PBC	South Pass Bird Island Project (MR-0172)
RES	South Pass Bird Island Project (MR-0172)
DDG	South Pass Bird Island Project (MR-0172)
Deep South Construction & Salvage LLC	South Pass Bird Island Project (MR-0172)
U.S. Aqua Services	South Pass Bird Island Project (MR-0172)
Curranco LLC	South Pass Bird Island Project (MR-0172)
Coastal Dredging Company Inc.	South Pass Bird Island Project (MR-0172)
CPRA	South Pass Bird Island Project (MR-0172)
Curranco LLC	South Pass Bird Island Project (MR-0172)

Pontchartrain Partners	South Pass Bird Island Project (MR-0172)
CPRA	South Pass Bird Island Project (MR-0172)
U.S. Aqua Services	South Pass Bird Island Project (MR-0172)
rigid	South Pass Bird Island Project (MR-0172)
Hydroterra Technologies LLC	South Pass Bird Island Project (MR-0172)
CAYO LLC	South Pass Bird Island Project (MR-0172)
Dodge Data & Analytics	South Pass Bird Island Project (MR-0172)
LM Prestige Enterprises	South Pass Bird Island Project (MR-0172)
cpra	South Pass Bird Island Project (MR-0172)
www.ferguson.com	South Pass Bird Island Project (MR-0172)
ConstructConnect	South Pass Bird Island Project (MR-0172)
ANDERS CONSTRUCTION INC.	South Pass Bird Island Project (MR-0172)
rigid	South Pass Bird Island Project (MR-0172)
Next Generation Logistics	South Pass Bird Island Project (MR-0172)
Weeks Marine Inc.	South Pass Bird Island Project (MR-0172)
Dean	South Pass Bird Island Project (MR-0172)
rigid	South Pass Bird Island Project (MR-0172)

ATTACHMENT 2 – REVISED PLAN SHEETS



NOTES:
 1. THE CONTRACTOR SHALL NOT EXCAVATE, SPUD, OR ANCHOR WITHIN 150' OF ANY EXISTING PIPELINE/UTILITY.

STATE OF LOUISIANA
 JAMES M. MELTON
 License No. 36787
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 10/12/22

LEGEND	
	EXISTING CREVASSE CLEANOUT
	NEW CREVASSE
	ISLAND FILL
	POTENTIAL NOURISHMENT
	DREDGE PIPELINE CORRIDOR
	EARTHEN CONTAINMENT DIKE
	UNVERIFIED PIPELINE
	VERIFIED PIPELINE
	OIL/GAS WELL

PROJECT LAYOUT		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	
SOUTH PASS BIRD ISLAND PROJECT		DESIGNED BY: J. TRIBOU, E.I.	APPROVED BY: M. MELTON, P.E.
STATE PROJECT NUMBER: MR-0172		P. E. NO. 36787	
DRAWN BY: K. CANTU		REV.	DATE
DATE: AUG 2022		DESCRIPTION	BY
SHEET 3 OF 17			

ATTACHMENT 3 – PRE-BID CONFERENCE PRESENTATION

South Pass Bird Island Project

(MR-0172)

NON-MANDATORY PRE-BID CONFERENCE

MATT MELTON, P.E.

TYE FITZGERALD, P.E.

JOANNE TRIBOU, E.I.

TAYLOR CHASSAIGNAC, P.E.



Introductions

MATT MELTON, P.E., ENGINEER OF RECORD

JOANNE TRIBOU, E.I., PROJECT ENGINEER

TYE FITZGERALD, P.E., PROJECT MANAGER

TAYLOR CHASSAIGNAC, P.E., CONSTRUCTION MANAGER

Project Purpose

The goal of the South Pass Bird Island project is to:

1. Cleanout two existing crevasses off of South Pass
2. Create one new crevasse
3. Construct a bird nesting island

Funded by the Coastal Protection and Restoration Authority (**CPRA**), the Louisiana Oil Spill Coordinator's Office (**LOSCO**), the Louisiana Department of Natural Resources (**DNR**), and the Louisiana Department of Wildlife and Fisheries (**LDWF**).

Presentation Overview

- Bidding Documents and Bid Process
- Project Overview and Background
- Construction Overview (Plans and Specifications)
- Closing

Bidding Documents and Bid Process

Bidding Documents and Bid Process

BIDDING DOCUMENTS AND ADDENDA, AND BIDDER QUESTIONS

- Complete bidding documents and addenda are available for download on the Louisiana Coastal Protection and Restoration Authority website at:

<https://coastal.la.gov/resources/rfps-rsiqs-contracts/bids/>

- Please submit questions regarding the bid by **October 11th at 2:00pm** in writing to:

cpra.bidding@la.gov

- All verbal responses given at this conference will not be binding.

Bidding Documents and Bid Process

SITE VISIT

- It is the responsibility of all potential bidders to visit the job site to assess the location, logistics, and site conditions prior to bidding.

Bidding Documents and Bid Process

BID OPENING

**BIDS ARE DUE BY 2:00PM ON OCTOBER 19TH, 2022, UNLESS MODIFIED BY
ADDENDUM.**

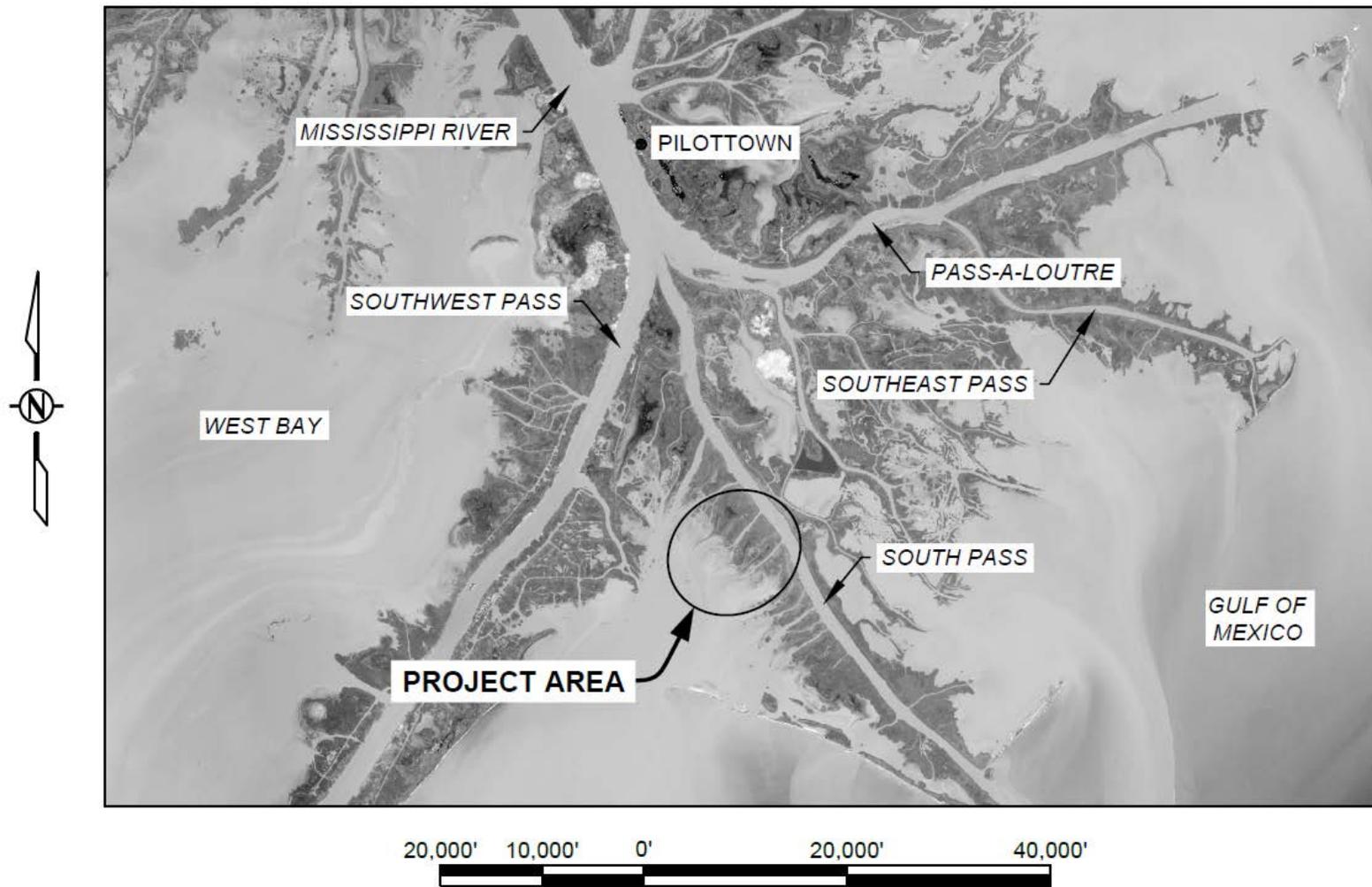
Hand Delivery

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

Project Overview and Background

Project Overview and Background

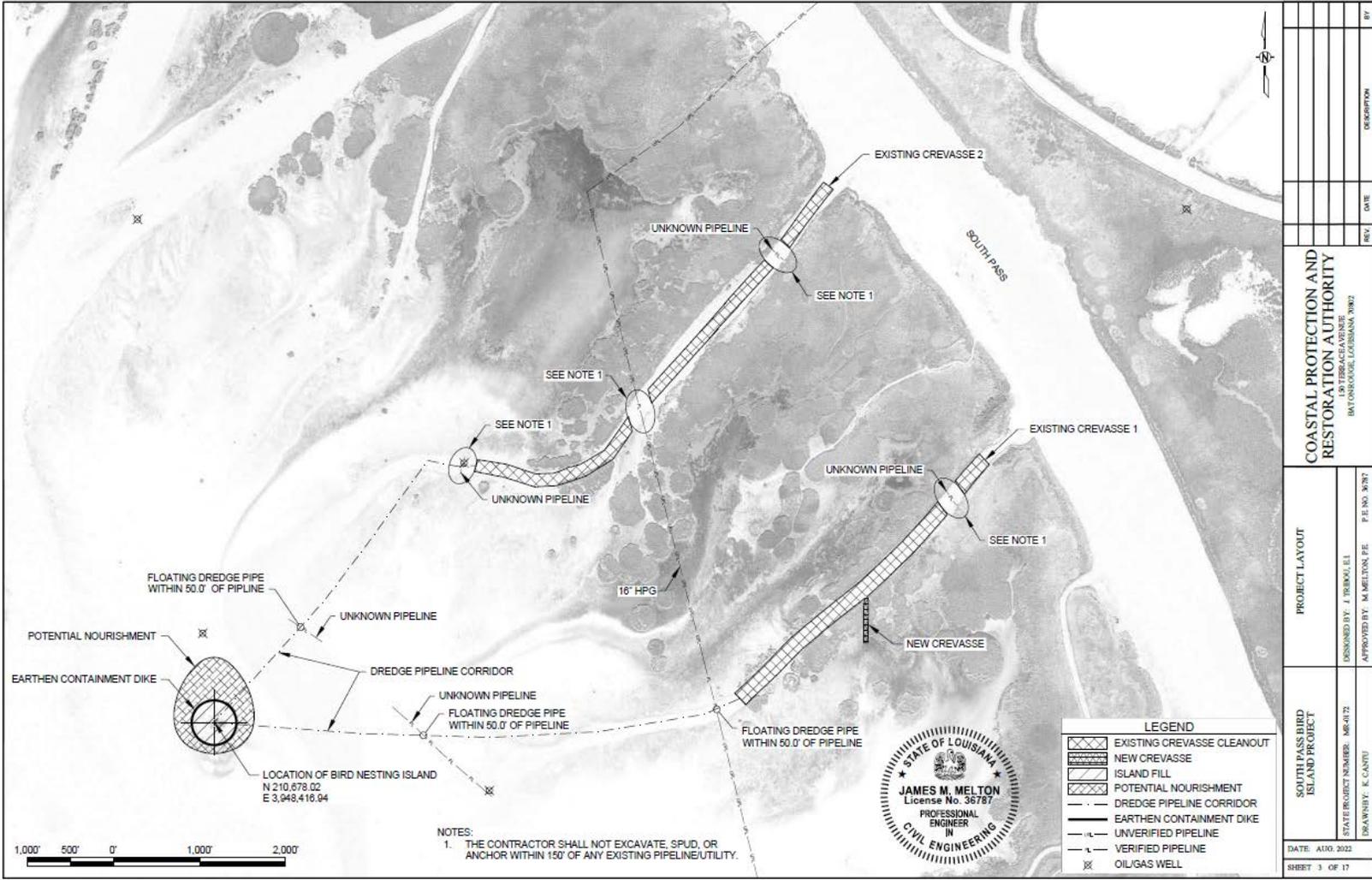
VICINITY MAP



Project Overview and Background

PROJECT LAYOUT – OVERVIEW

- Two (2) Existing Crevasses
- One (1) New Crevasse
- One (1) Bird Nesting Island
- Earthen Containment Dike
- Potential Nourishment Area

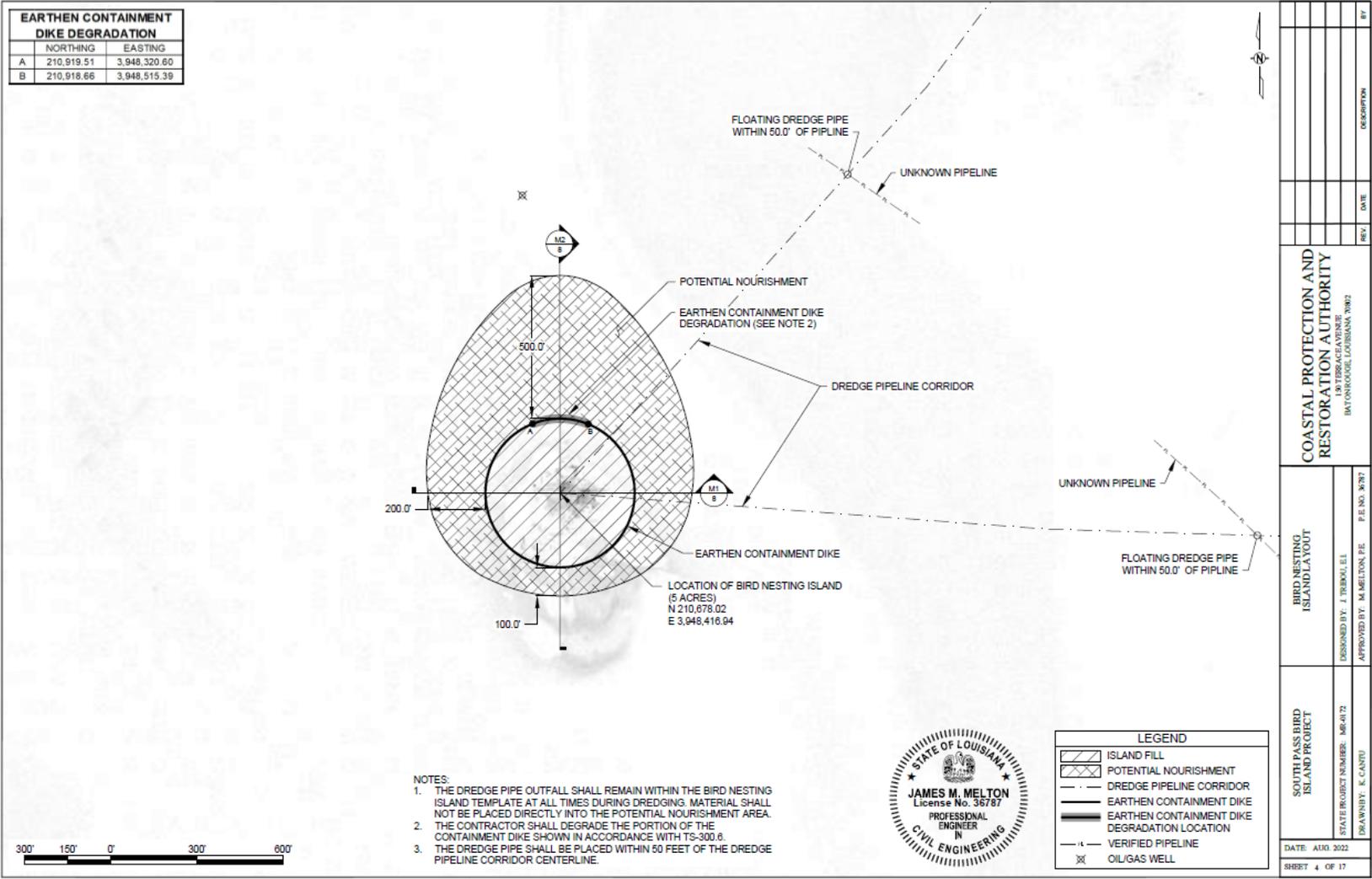


PROJECT LAYOUT	DESIGNED BY: J. TRINGOLLE	DATE: A10.2022	BY:
	APPROVED BY: M. MELTON, P.E.		DATE:
	DRAWN BY: K. CANTU		REV:
	STATE PROJECT NUMBER: 86-012		DATE:
	P.F.E. NO. 3077		DESCRIPTION:
COASTAL PROTECTION AND RESTORATION AUTHORITY 18 TERREBIAVENUE BATON ROUGE, LOUISIANA 70802			

Project Overview and Background

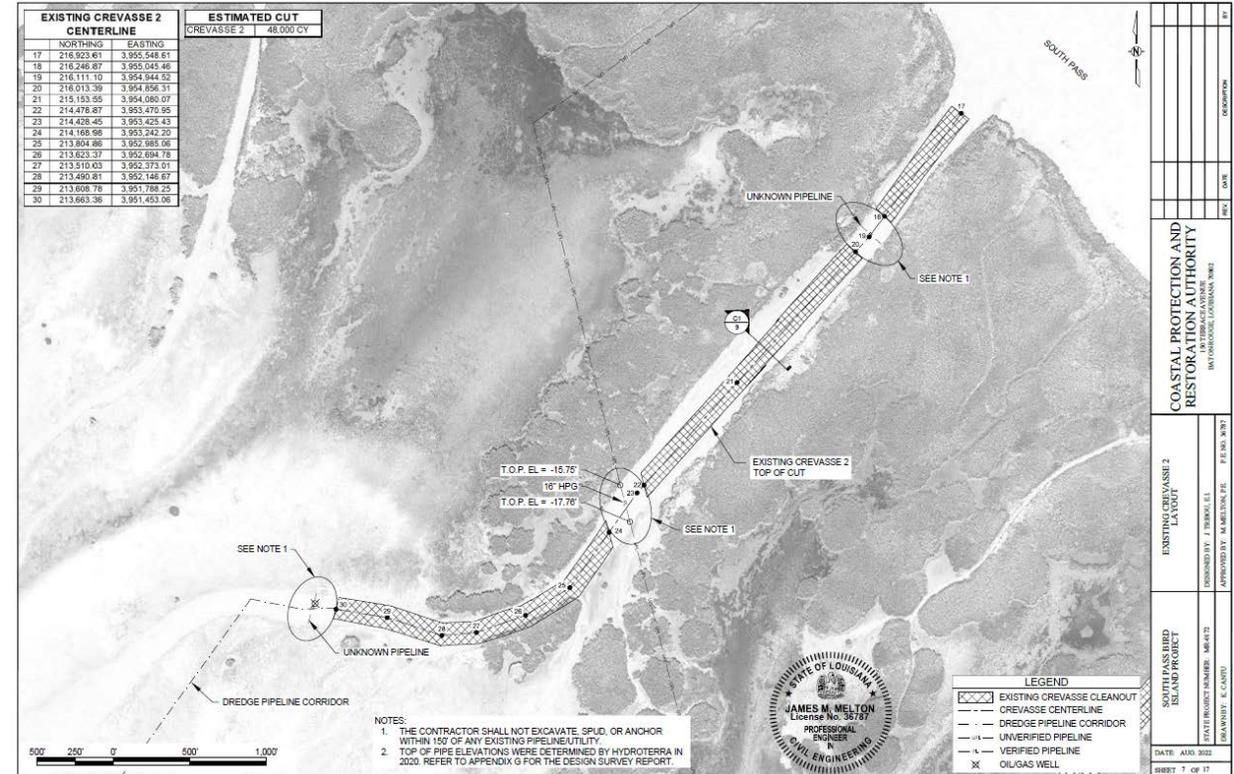
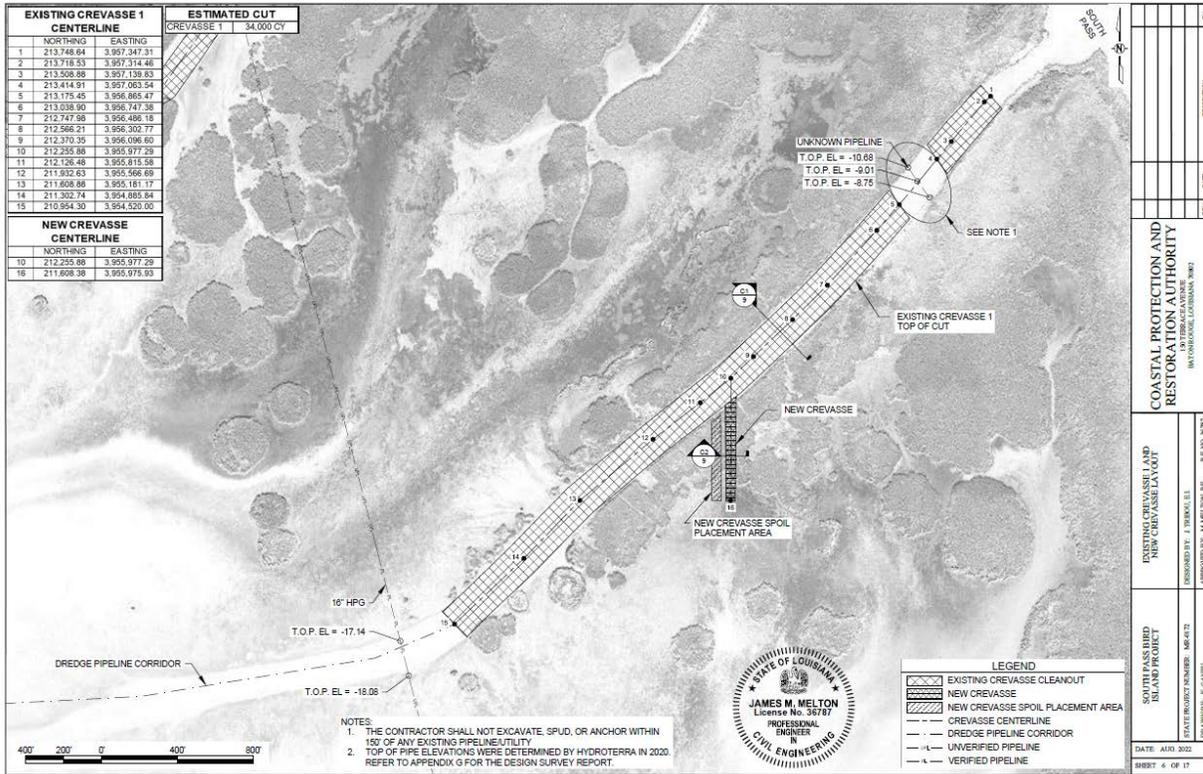
PROJECT LAYOUT – BIRD NESTING ISLAND

- Bird Nesting Island contained by Earthen Containment Dike (ECD)
- Surrounded by Potential Nourishment Area
- ECD degradation



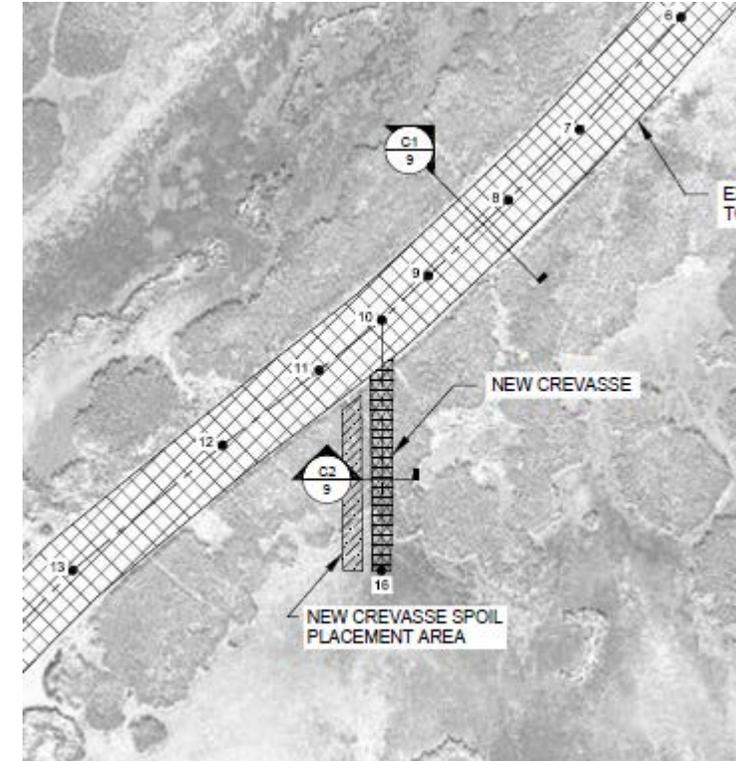
Project Overview and Background

PROJECT LAYOUT – EXISTING CREVASSES



Project Overview and Background

PROJECT LAYOUT – NEW CREVASSE



Project Overview and Background

SUMMARY OF ESTIMATED BID QUANTITIES

SUMMARY OF ESTIMATED QUANTITIES

BASE BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ¹
1	MOBILIZATION AND DEMOBILIZATION (TS-100)	LUMP SUM	1
2	SURVEY (TS-200)	LUMP SUM	1
3	GRADE STAKES (TS-250)	EACH	2
4	EARTHEN CONTAINMENT DIKES (TS-300)	LINEAR FOOT	1,635
5	NEW CREVASSE (TS-370)	LINEAR FOOT	660
6	HYDRAULIC DREDGING AND FILL PLACEMENT (TS-400)	CUBIC YARD	82,000

1. THE QUANTITIES SHOWN WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED FROM JULY 2020 THROUGH AUGUST 2020. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES 25% HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.
2. QUANTITY IS BASED ON THE EXISTING CREVASSE CUT VOLUMES. PAYMENT QUANTITY WILL BE BASED ON PROCESS SURVEYS OF THE EXISTING CREVASSE.

Project Overview and Background

DATA COLLECTION

During engineering and design, the following data was collected:

- Topographic, bathymetric and magnetometer survey performed in 2020 and 2021.
 - Data is available in **Appendix G** of the Specifications.
- Geotechnical investigations performed in 2020.
 - Data is available in **Appendix H** of the Specifications.

Project Overview and Background

PERMITS OBTAINED BY THE OWNER

- The Owner has secured the following permits:
 - Louisiana Department of Natural Resources Coastal Use Permit
 - Department of the Army, Corps of Engineers Section 408 Permit
- Bidders are to become familiar with all permitting documentation, which is available in **Appendix F** of the Specifications.

Construction Overview



Construction Overview

CONTRACT TIME, LIQUIDATED DAMAGES, AND RETAINAGE

CONTRACT TIME (GP-7 AND SP-3)

- The Bidder shall agree to fully complete the contract within:
 - One hundred (100) consecutive calendar days.

LIQUIDATED DAMAGES (GP-59 AND SP-8)

- The Bidder shall agree to pay as Liquidated Damages the amount of:
 - Three thousand six hundred dollars (\$3,600) for each consecutive day for which the work is not complete, beginning the first day beyond the contract completion date stated on the Notice to Proceed, or as amended by Change Order.

RETAINAGE (GP-53 AND GP-58)

- In addition to any Ratio of Effort and Withholdings, a retainage of five percent (5%) to be withheld for a minimum of forty-five (45) consecutive calendar days after final acceptance to ensure that all liens are released.

Construction Overview

DAVIS BACON ACT (GP-4 AND SP-24)

- The Contractor shall abide by the laws set forth in the Davis-Bacon Act of 1931.

Construction Overview

WORK PLAN (GP-8 AND SP-7)

The Contractor shall develop a written Work Plan which accounts for all of the construction activities required by the Contract Documents. It shall include the items listed in GP-8 and SP-7. Some items of note include:

- (SP-7.2,3) Hydraulic Dredge Data Sheet and Equipment Data Sheet;
- (SP-7.5) Proposed equipment access routes and layout of proposed equipment staging areas;
- (SP-7.6) Layout for the installation of protection measures at all equipment and pipeline crossings;
- (SP-7.7) Proposed grade stake locations;
- (SP-7.8-12) Layout and schedule for construction of Earthen Containment Dikes, installing and removing all portions of dredge pipe, dredging Existing Crevasses, placement of dredge material in the Bird Nesting Island template, and construction of the New Crevasse

Construction Overview

TRANSPORTATION (SP-9)

- Contractor shall provide transportation to and from boat launch to project site for engineer(s), construction manager, and resident project representative.

Construction Overview

LANDOWNER REQUIREMENTS (SP-11)

- (11.1.2) Contractor shall notify all Grantors at least fourteen (14) working days prior to initiation of access to the said lands.
- (11.1.2) Contractor shall abide by the stipulations set forth by the respective landowners.

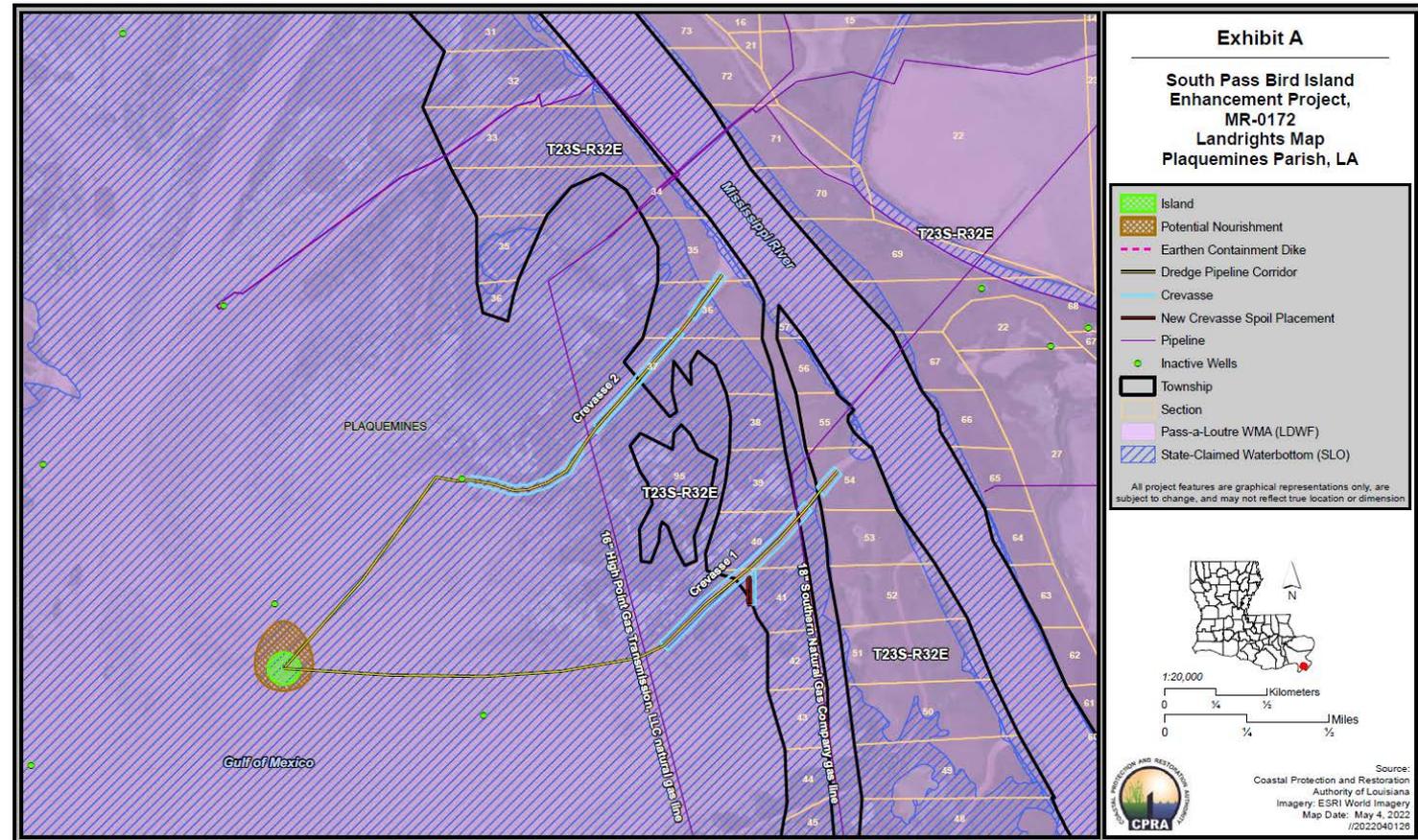
Louisiana Department of Wildlife and Fisheries

Attn: Lance Campbell
337-735-8668

Louisiana Office of State Lands

Attn: Cheston Hill
225-219-9454

- Landrights Memorandum can be found in **Appendix D** of the Specifications.



Construction Overview

PIPELINE OWNER/OPERATOR REQUIREMENTS (SP-11)

GENERAL (SP-11.2.1)

- Contractor will be responsible for obtaining all necessary pipeline owner / operators Agreements / Letters of No Objection (LONOs) / Letters of Consent, as required by the known pipeline owners/operators. Copies shall be submitted to the Owner prior to commencement of Work within 500' of the respective pipeline.
- Contractor shall provide an independent magnetometer survey prior to Construction as per TS-200

PIPELINE SAFETY (SP-11.2.2)

- 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
 - “Working Safely Near Underwater Pipelines”, developed by the Coastal and Marine Operators Pipeline Industry Initiative (CAMO) and the Lake Pontchartrain Basin Foundation (LPBF), <http://www.camogroup.org/wp-content/uploads/2020/04/Working-Safely-Near-Underwater-Pipelines.pdf>

High Point Gas Transmission
Attn: Robin Asevado
504-800-6686
rasevado@third-coast.com

Construction Overview

PIPELINE OWNER/OPERATOR REQUIREMENTS (SP-11)

EXCAVATION TOLERANCES AND MARKINGS (SP-11.2.3)

- No dredging, anchors, or spuds shall be permitted within a tolerance zone of **one hundred and fifty feet (150')** from any existing pipeline, unless otherwise specified in the contract documents.
- All pipelines within **one hundred fifty feet (150')** of all project features shall be probed and marked with buoys and flagged stakes during construction. Markings shall be installed a minimum of five (5) days prior to commencement of Work near pipelines.

PIPELINE NOTIFICATIONS (SP-11.2.4)

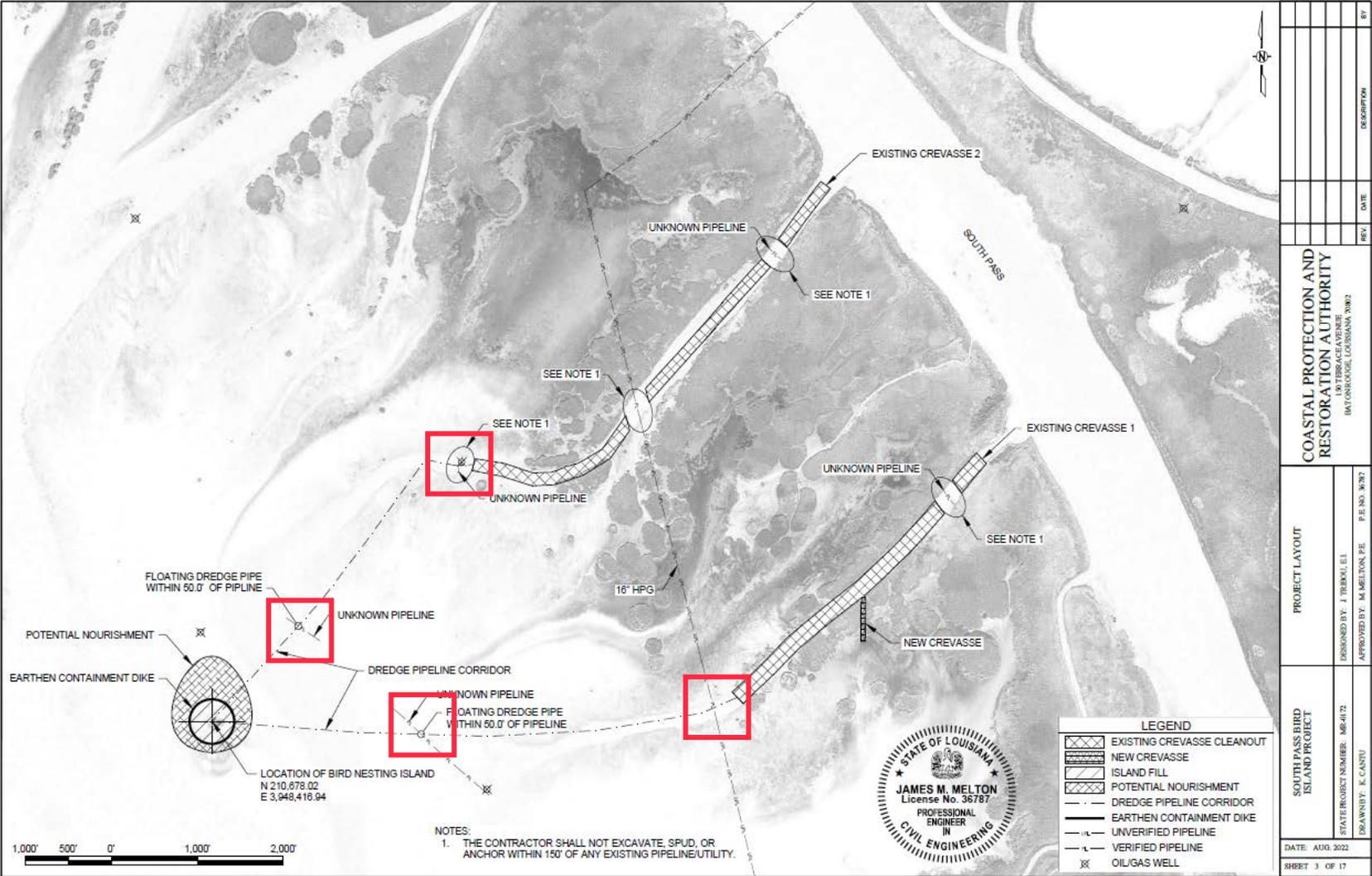
- Notification of pipeline owners / operators shall be performed in accordance with the timeline(s) established in the Agreement(s) / LONOs, but not less than **fourteen 14 days** prior to commencement of work near affected pipelines.
- Contractor shall contact Louisiana 811 at least **five (5) working days** prior to any construction activities.

Construction Overview

PIPELINE OWNER/OPERATOR AND UTILITY REQUIREMENTS (SP-11)

PIPELINE CROSSINGS

- Dredge Pipeline Corridor
 - High Point Gas Transmission (Sheet 7)
 - Three Unknown Pipelines (Sheets 6 and 7)



COASTAL PROTECTION AND RESTORATION AUTHORITY BATON ROUGE, LOUISIANA 70802	
PROJECT LAYOUT	ISSUED BY: J. TRIBBLE, E.I. APPROVED BY: M. MELTON, P.E. P.E. NO. 8787
SOUTH PASS BIRD ISLAND PROJECT	STATE PROJECT NUMBER: MR-412 DRAWN BY: K. CANTU
DATE: AUG. 2022	DESCRIPTION
SHEET 3 OF 17	REV. DATE

Construction Overview

AIDS TO NAVIGATION AND NOTICE TO MARINERS

AIDS TO NAVIGATION (SP-16)

- After consultation with the United States Coast Guard, the Contractor determine type and location of aids to navigation required to be installed/removed to safely perform the Work.
- Necessary permits for installation/removal of any aids to navigation shall be acquired.
- Copy of the permit/permit application shall be given to the Engineer at least 7 days prior to mobilization.

NOTICE TO MARINERS (SP-18)

- The Contractor shall provide Notice to Mariners at least 30 days prior to mobilization of the hydraulic dredge and dredge pipeline.

Construction Overview

AERIAL PHOTOGRAPHY (SP-24)

- Aerial Photography shall be obtained to illustrate the Pre-Construction conditions, verify the progress of Work, and for Final Acceptance.
- Payment for Aerial Photography shall be included in the lump sum price for Bid Item No. 1 “Mobilization and Demobilization (TS-100)”.

Construction Overview

MOBILIZATION AND DEMOBILIZATION (TS-100)

SCOPE (TS-100.1)

- Contractor shall furnish all labor and Equipment necessary to mobilize a hydraulic dredge and any necessary booster pump(s), as well as furnish all labor and Equipment necessary to move personnel, Equipment, construction materials (including dredge pipeline), and incidentals necessary to perform the Work to and from the Project Site.

RATIO OF EFFORT (TS-100.5)

- **Twenty five percent (25%)** of the Contract cost for this bid item shall be paid to the Contractor upon confirmation of the start of Earthen Containment Dike construction and the Office for Owner has been provided.
- **Fifty percent (50%)** of the Contract cost for this bid item shall be paid to the Contractor after the entire hydraulic dredge pipeline from one of the Existing Crevasses to the Bird Nesting Island has been installed and the mobilization of the hydraulic dredge to the Project Site is confirmed.
- The remaining **twenty five percent (25%)** of the cost for this bid item will be paid to the Contractor upon Acceptance of the Work and removal of all equipment and unused materials.

MEASUREMENT AND PAYMENT (TS-100.6)

- Payment for Mobilization and Demobilization shall be made at the Contract Lump Sum price for Bid Item No. 1, “Mobilization and Demobilization (TS-100)”.

Construction Overview

SURVEYS (TS-200)

REFERENCE AND CONTROL (TS-200.3)

- Vertical Control – NAVD88, U.S. Survey Feet, Geoid12B-Epoch 2010.00
- Horizontal Control – NAD 83, Louisiana South Zone, U.S. Survey Feet

PRE-CONSTRUCTION SURVEY (TS-200.8)

- The Pre-Construction Survey shall show the existing bathymetry, topography, existing infrastructure, and magnetic detections in plan and profile using markers, spot elevations, coordinates, contours, lines, and grades and to adjust quantities of the bid items as deemed necessary by the Engineer.

PROCESS SURVEYS (TS-200.9)

- The Process Surveys shall be used to verify partial payments, determine Acceptance for completed portions of the Work.

AS-BUILT SURVEY (TS-200.10)

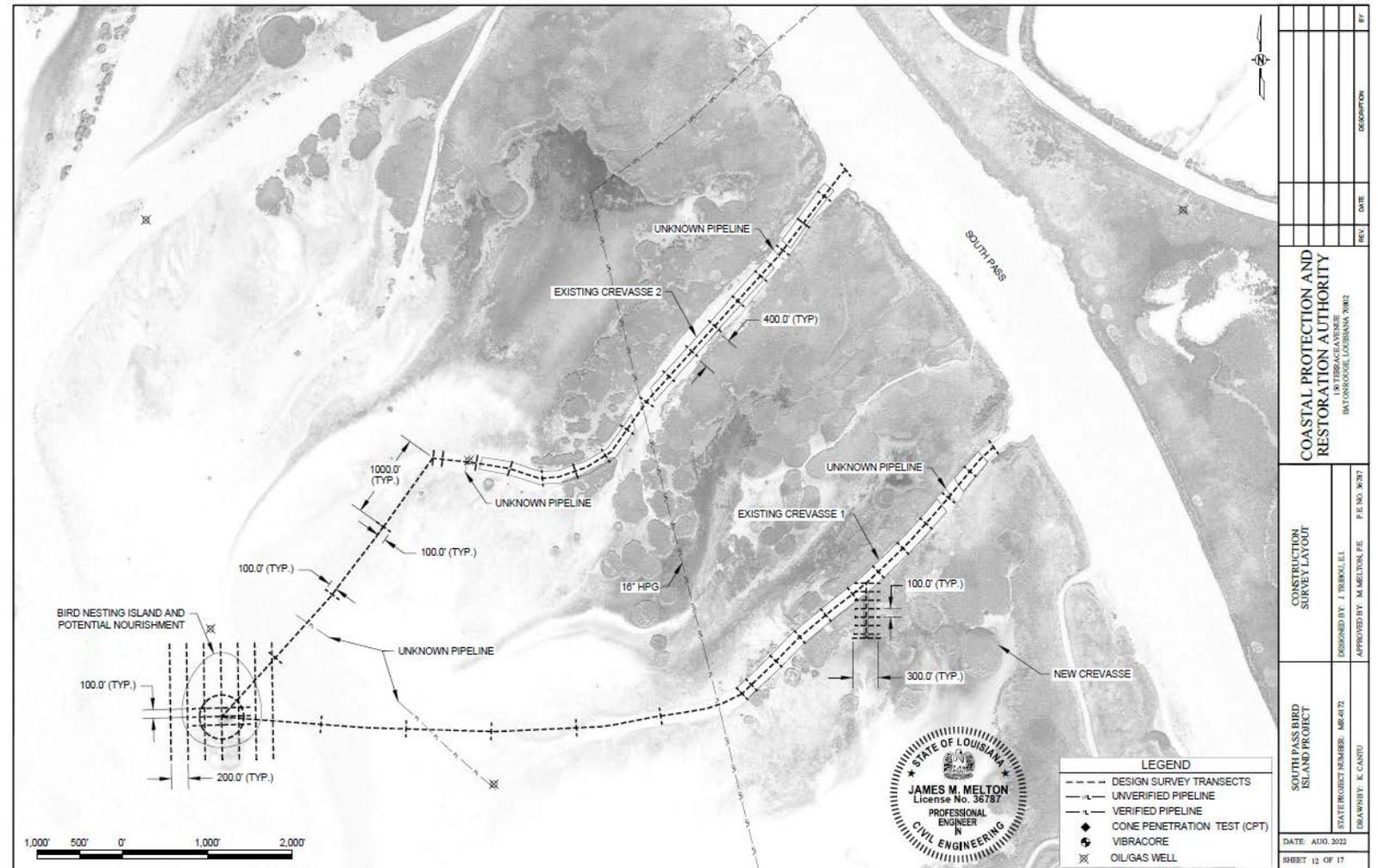
- The As-Built Survey shall be used to verify final payments and Acceptance for all Work.

Construction Overview

SURVEYS (TS-200)

SURVEYS INCLUDE

- Existing Crevasses
- New Crevasse
- Dredge Pipeline Corridor
- Bird Nesting Island/Potential Nourishment Area/Earthen Containment Dikes
- Grade Stakes



Construction Overview

SURVEYS (TS-200)

RATIO OF EFFORT/PAYMENT (TS-200.13)

- Fifty percent (50%) of the Contract cost for this bid item will be paid to the Contractor upon Acceptance of the Pre-Construction Surveys.
- Thirty percent (30%) will be paid to the Contractor upon completion of all Process Surveys.
- Twenty percent (20%) will be paid to the Contractor upon Acceptance of the complete As-Built survey.

MEASUREMENT AND PAYMENT (TS-200.14)

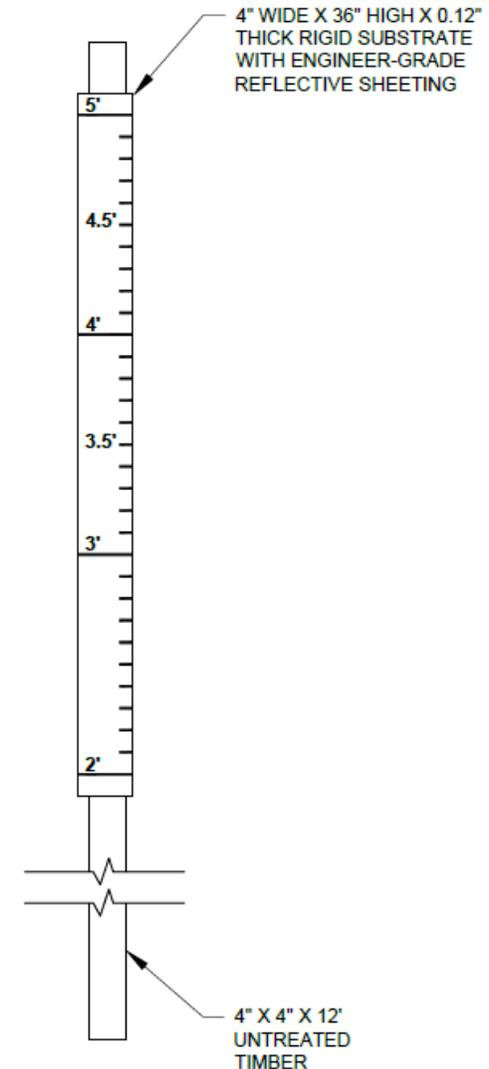
- Payment for this item shall be made at the Contract lump sum price for Bid Item No. 2, “Surveys (TS-200)”.

Construction Overview

GRADE STAKES (TS-250)

INSTALLATION (TS-250.3)

- Grade stakes shall be installed prior to placement of dredge fill material in the Bird Nesting Island.
- The Contractor shall propose the locations for the grade stakes in the Work Plan for approval by the Engineer.



GRADE STAKE
NTS

Construction Overview

GRADE STAKES (TS-250)

MAINTENANCE (TS-250.4)

- Grade stakes shall be inspected weekly and maintained by the Contractor until the Acceptance of the Bird Nesting Island.

DAILY INSPECTIONS (TS-250.5)

- Dredge fill elevations shall be recorded to the nearest 0.1' daily based on visual inspection. The results shall be included in the Daily Progress Reports.

MEASUREMENT AND PAYMENT (TS-250.8)

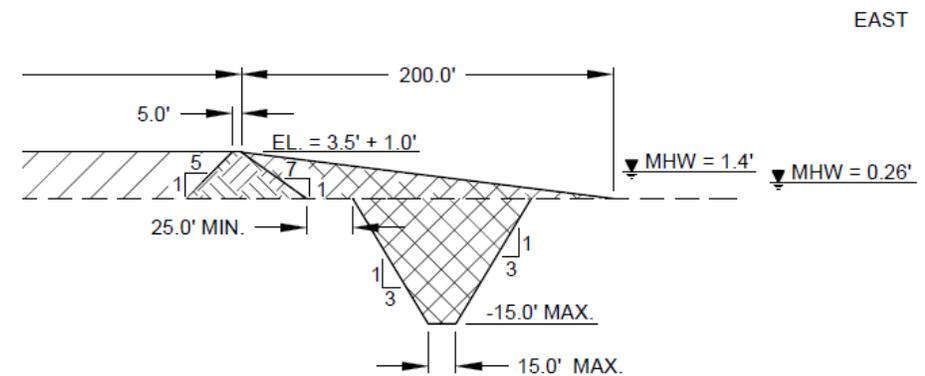
- Payment shall be made at the Contract price per each for Bid Item No. 3, “Grade Stakes (TS-250)”.

Construction Overview

EARTHEN CONTAINMENT DIKES (TS-300)

FEATURE OVERVIEW

- 1,635 LF
- Geometry:
 - 5-ft crown width
 - 5H:1V side slopes on interior side; 7H:1V on exterior side
 - Crown Elevation: +3.5'+1.0'
- External borrow area
- 25' minimum bench width from ECD borrow area
- ECD borrow area cut elevation is -15.0' max.

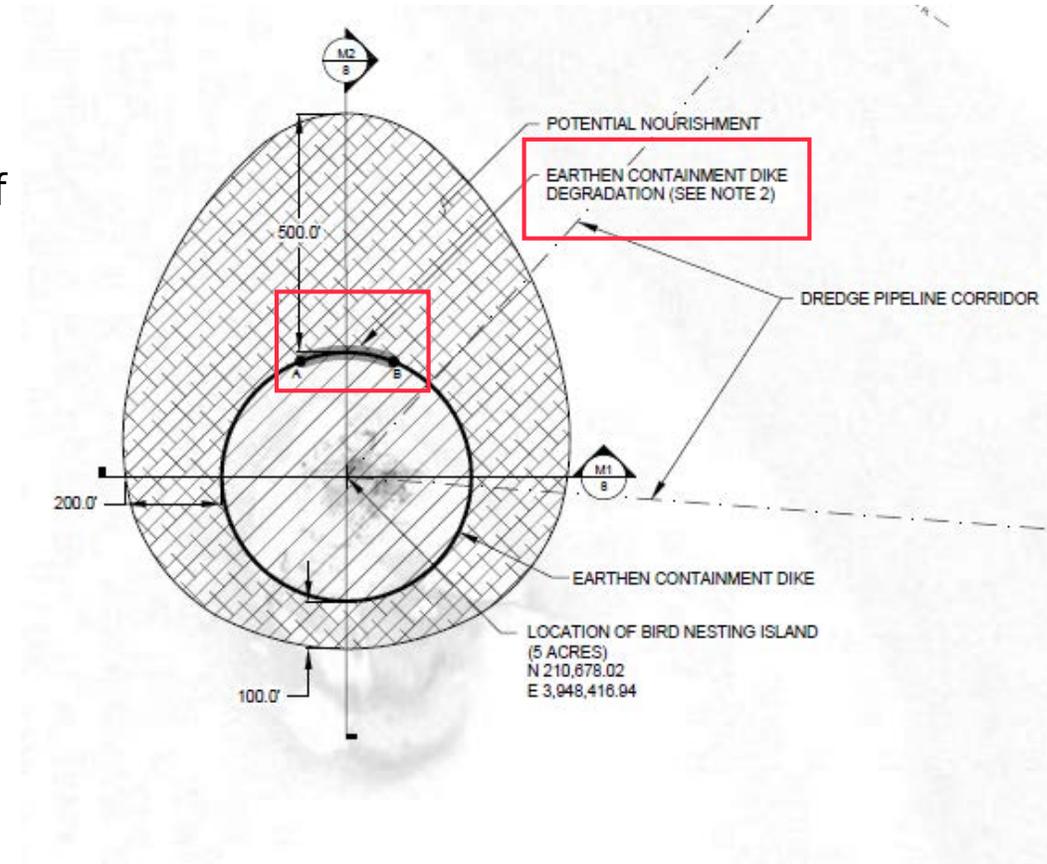


Construction Overview

EARTHEN CONTAINMENT DIKES (TS-300)

EARTHEN CONTAINMENT DIKE DEGRADATION (TS-300.6)

- Once the Bird Nesting Island platform is within 0.5' of crown elevation of the ECD, the northern portion of the ECD shall be degraded by 0.5'



Construction Overview

EARTHEN CONTAINMENT DIKES (TS-300)

RATIO OF EFFORT/PAYMENT (TS-300.9)

- Eighty percent (80%) of the Contract cost for this bid item will be paid to the Contractor after Acceptance of the ECDs.
- Ten percent (10%) will be paid to the Contractor after Acceptance of the degradation of the ECD.
- The remaining ten percent (10%) will be paid to the Contractor after the Acceptance of the Hydraulic Dredging and Fill Placement.

MEASUREMENT AND PAYMENT (TS-300.10)

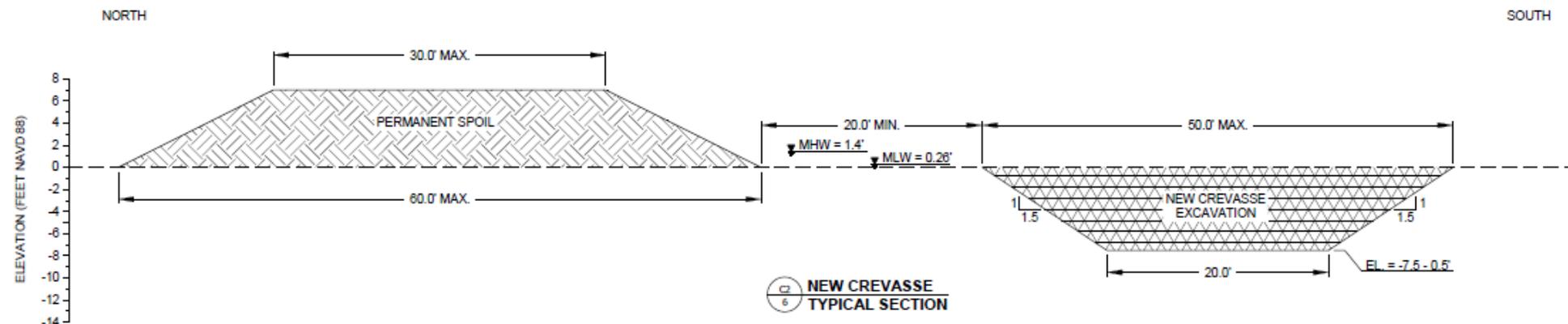
- Payment for ECDs shall be made at the Contract unit price per linear foot for Bid Item No. 4, “Earthen Containment Dikes (TS-300)”.

Construction Overview

NEW CREVASSE (TS-370)

FEATURE OVERVIEW

- 660 LF
- Geometry:
 - 20-ft bottom width
 - 1.5H:1V side slopes
 - Bottom elevation: -7.5'-0.5'
- 20' minimum bench width from Crevasse to Spoil Placement
- Spoil placement bottom width is 60-ft max



Construction Overview

NEW CREVASSE (TS-370)

EQUIPMENT (TS-370.2)

- The New Crevasse shall be constructed using mechanical excavation equipment.

NEW CREVASSE EXCAVATION (TS-370.3)

- The New Crevasse shall be constructed off of Existing Crevasse 1.

MEASUREMENT AND PAYMENT (TS-370.6)

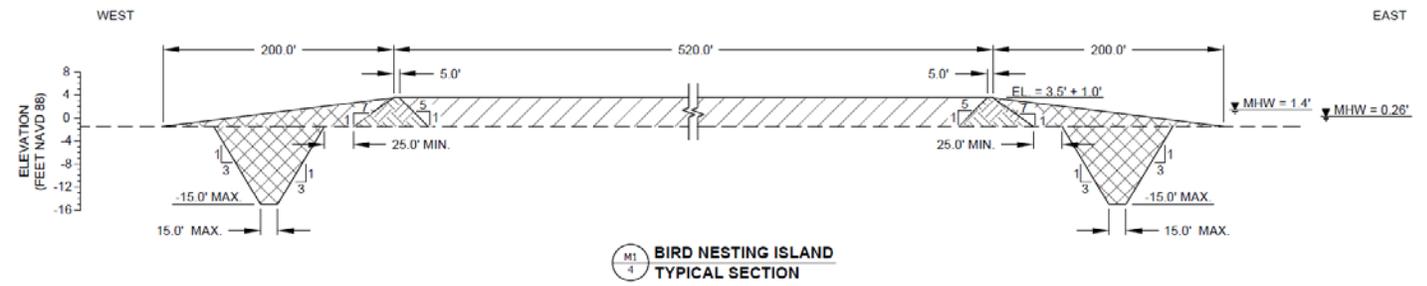
- Payment for the New Crevasse shall be made at the Contract unit price per linear foot for Bid Item No. 5, “New Crevasse (TS-370)”.

Construction Overview

HYDRAULIC DREDGING AND MARSH CREATION (TS-400)

BIRD NESTING ISLAND OVERVIEW

- Approximately 5 acres
- Enclosed by Earthen Containment Dike
- Potential Nourishment Area for overflow



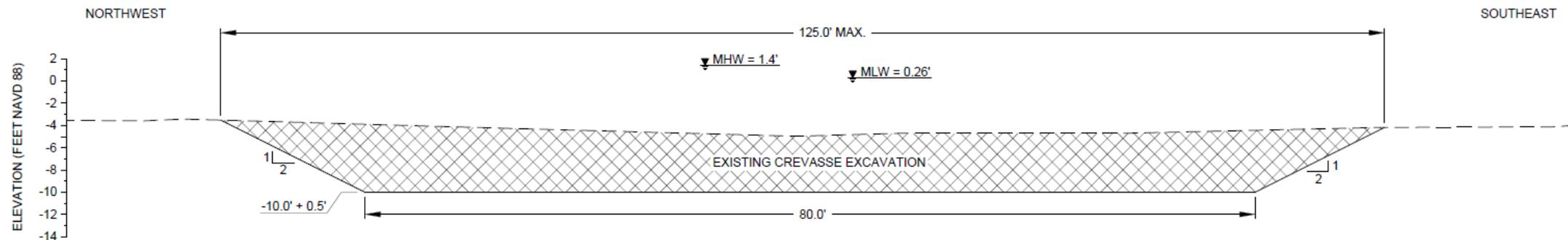
Construction Overview

HYDRAULIC DREDGING AND MARSH CREATION (TS-400)

EXISTING CREVASSE OVERVIEW

- Cut Elevation: -10 ft + 0.5 ft NAVD88
- Bottom width: 80 ft
- Existing Crevasse 2 has previously been dredged.

Crevasse	Cut Elevation (ft. NAVD88)	Cut Volume (CY)
Existing Crevasse 1	-10	34,000
Existing Crevasse 2	-10	48,000



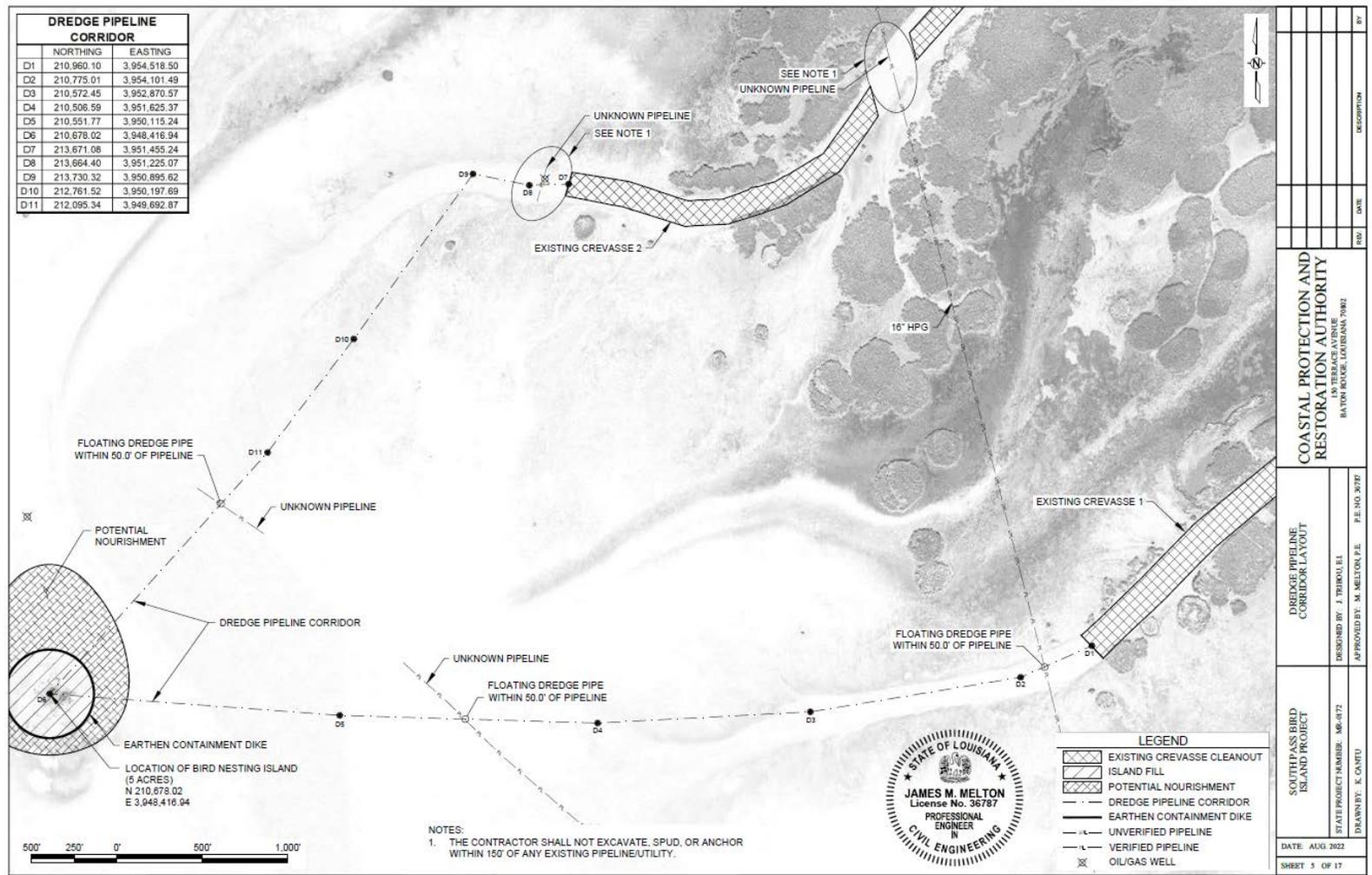
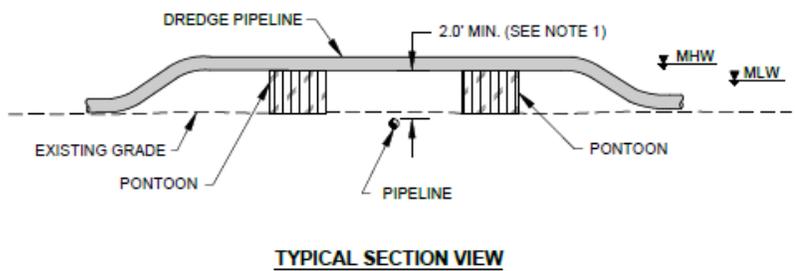
C1 EXISTING CREVASSE
6 & 7 TYPICAL SECTION

Construction Overview

HYDRAULIC DREDGING AND MARSH CREATION (TS-400)

DREDGE PIPELINE CORRIDOR (TS-400.3)

- Dredge pipeline shall be installed from Existing Crevasse along corridor shown on the Plans
- Dredge pipeline shall remain floating at all times within fifty feet (50') of all pipelines
 - High Point Gas Transmission (Sheet 5)
 - Three Unknown Pipelines (Sheet 5)



Construction Overview

HYDRAULIC DREDGING AND MARSH CREATION (TS-400)

DREDGE MATERIAL PLACEMENT (TS-400.5.1)

- Hydraulic dredging shall begin within one (1) week of ECD Acceptance
- Once Bird Nesting Island platform is within 0.5' of constructed crown elevation of ECD, the ECD shall be degraded as per TS-300.6
- Dredge pipeline outfall shall remain within the Bird Nesting Island Template at all times during dredging.
- No material shall be placed directly in the Potential Nourishment Area
- In the event that environmental conditions may potentially result in excess loss of material from the Bird Nesting Island template, the Engineer reserves the right to cease dredging operations

Construction Overview

HYDRAULIC DREDGING AND MARSH CREATION (TS-400)

ACCEPTANCE (TS-400.6)

- The Contractor shall submit a request for Acceptance once the Existing Crevasses have been fully dredged and conveyed to the Bird Nesting Island. Acceptance shall be based on the process surveys for the Existing Crevasses.

MEASUREMENT AND PAYMENT (TS-400.7)

- Payment will be made at the contract unit price per cubic yard of material dredged from the Existing Crevasses as shown on the Plans for Bid Item No. 6 “Hydraulic Dredging and Fill Placement.”

Questions?

Please submit questions regarding the bid by October 11th at 2:00pm in writing to:
cpra.bidding@la.gov

All verbal responses given at this conference are nonbinding.

Bids are due by 2:00pm on Wednesday, October 19th, 2022, unless modified by addendum.

MATT MELTON, P.E.

TYE FITZGERALD, P.E.

JOANNE TRIBOU, E.I.

TAYLOR CHASSAIGNAC, P.E.

