

**BID DOCUMENTS  
FOR  
BARATARIA WATERWAY WEST  
MAINTENANCE PROJECT  
(BA-23)**

**JEFFERSON PARISH, LOUISIANA**



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

**JULY, 2015**



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<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1.	TITLE SHEET
2.	GENERAL NOTES AND ESTIMATED QUANTITIES
3.	SITE MAP
4.	SITE LAYOUT
5.	SECTION VIEW
6.	SLIP LINING PLAN
	PRE-DESIGN SURVEY (2 SHEETS)
	AS-BUILT PLANS (8 SHEETS) (FOR REFERENCE ONLY)

## **ADVERTISEMENT FOR BIDS**

Sealed bids will be received for the State of Louisiana by the Division of Administration, Office of Facility Planning and Control, Claiborne Office Building, 1201 North Third Street, Conference Room 1-145, Post Office Box 94095, Baton Rouge, Louisiana 70804-9095 until 2:00 P.M., **Thursday, October 8, 2015**.

ANY PERSON REQUIRING SPECIAL ACCOMMODATIONS SHALL NOTIFY FACILITY PLANNING AND CONTROL OF THE TYPE(S) OF ACCOMMODATION REQUIRED NOT LESS THAN SEVEN (7) DAYS BEFORE THE BID OPENING.

FOR: **Barataria Waterway West  
Maintenance Project  
Jefferson Parish, Louisiana**

PROJECT NUMBER: **BA-23**

Complete Bid Documents for this project are available in electronic form. They may be obtained without charge and without deposit from <http://coastal.la.gov/resources/doing-business-with-cpra/bids/>. Printed copies can also be obtained from CPRA.

Questions about this procedure shall be directed to Renee McKee at:

Coastal Protection and Restoration Authority (CPRA)

450 Laurel Street

Suite 1501

Baton Rouge, LA 70801

Telephone: 225-342-0811 Fax: 225-342-4674 E-mail: [cpra.bidding@la.gov](mailto:cpra.bidding@la.gov)

All bids shall be accompanied by bid security in an amount of five percent (5.0%) of the sum of the base bid and all alternates. The form of this security shall be as stated in the Instructions to Bidders included in the Bid Documents for this project.

The successful Bidder shall be required to furnish a Performance and Payment Bond written as described in the Instructions to Bidders included in the Bid Documents for this project.

### **A MANDATORY PRE-BID CONFERENCE WILL BE HELD**

**at 9:30 AM on Thursday, September 24, 2015 at Jean Lafitte Town Hall, 2654 Jean Lafitte Blvd., Lafitte, LA 70067.**

**BIDS SHALL BE ACCEPTED ONLY FROM CONTRACTORS THAT ATTEND THE ENTIRE PRE-BID CONFERENCE.**

A HIGHLY ENCOURAGED JOBSITE VISIT WILL BE HELD

at 12:30 PM on 09/24/15 at Seaway Marina, 5007 Kenal Rd., Lafitte, LA 70067.

The jobsite is located within Jefferson Parish. The project site is approximately 4.5 miles south of Lafitte on the west side of the Dupre Cut, bounded by the Barataria Bay Waterway to the northeast and the Barataria Ridge to the south and west. The project site is only accessible by boat. The jobsite visit is not mandatory, but it is highly encouraged for those submitting a bid. The jobsite visit being conducted by CPRA will facilitate access to project features that are located on private property. Outside of the recommended site visit, the Contractor may not have access to the features located on private property. Contractors shall be responsible for providing their own boat and any rental and boat launching fees.

Contact Luke Prendergast at (504) 280-1005 if directions are needed to the Mandatory Pre-Bid Conference or the highly encouraged Jobsite Visit.

Bids shall be accepted from Contractors who are licensed under LA. R.S. 37:2150-2192 for the classification of **Heavy Construction**. In accordance with LA. R.S. 37:2163(D), anyone objecting to the classification must send a certified letter to both the Louisiana State Licensing Board for Contractors and the CPRA at the address listed above. The letter must be received no later than ten (10) working days prior to the day on which bids are to be opened.

Bidder is required to comply with provisions and requirements of LA R.S. 38:2212(B)(5). No bid may be withdrawn for a period of forty-five (45) days after receipt of bids, except under the provisions of LA. R.S. 38:2214.

The Owner reserves the right to reject any and all bids for just cause. In accordance with La. R.S. 38:2212(B)(1), the provisions and requirements of this Section; and those stated in the bidding documents shall not be waived by any entity.

When this project is financed either partially or entirely with State Bonds or financed in whole or in part by federal or other funds which are not readily available at the time bids are received, the award of this Contract is contingent upon the granting of lines of credit, or the sale of bonds by the Bond Commission or the availability of federal or other funds. The State shall incur no obligation to the Contractor until the Contract Between Owner and Contractor is fully executed.

Coastal Protection and Restoration Authority is a participant in the Small Entrepreneurship (SE) Program (the Hudson Initiative) and the Veteran-Owned and Service-Connected Disabled Veteran-Owned (LaVet) Small Entrepreneurship Program. Bidders are encouraged to consider participation. Information is available from Coastal Protection and Restoration Authority or on its website at <http://coastal.la.gov/>.

STATE OF LOUISIANA

DIVISION OF ADMINISTRATION

FACILITY PLANNING AND CONTROL

MARK A. MOSES, DIRECTOR

# INSTRUCTIONS TO BIDDERS

## COMPLETION TIME:

The Bidder shall agree to fully complete the contract within **Ninety (90)** consecutive calendar days for the Base Bid, subject to such extensions as may be granted under Section GP-44 of the General Provisions and acknowledges that this construction time will start on or before the date specified in the written "Notice to Proceed" from the Owner.

## LIQUIDATED DAMAGES:

The Bidder shall agree to pay as Liquidated Damages the amount of **One Thousand Five Hundred Dollars (\$1,500.00)** for each consecutive calendar day for which the work is not complete, beginning with the first day beyond the contract completion date stated on the "Notice to Proceed" or as amended by change order.

## ARTICLE 1

### DEFINITIONS

#### 1.1 The Bid Documents include the following:

Advertisement for Bids  
Instructions to Bidders  
Bid Form  
Bid Bond  
General Provisions  
Special Provisions  
Technical Specifications  
Construction Drawings  
Contract Between Owner and Contractor  
and Performance and Payment Bond  
Affidavit  
User Agency Documents (if applicable)  
Change Order Form  
Recommendation of Acceptance  
Other Documents (if applicable)  
Addenda issued during the bid period and  
acknowledged in the Bid Form

1.2 All definitions set forth in the General Provisions and the Special Provisions are applicable to the Bid Documents, unless otherwise specifically stated or written.

1.3 Addenda are written and/or graphic instruments issued by the Engineer prior to the opening of bids

which modify or interpret the Bid Documents by additions, deletions, clarifications, corrections and prior approvals.

1.4 A bid is a complete and properly signed proposal to do the work or designated portion thereof for the sums stipulated therein supported by data called for by the Bid Documents.

1.5 Base bid is the sum stated in the bid for which the Bidder offers to perform the work described as the base, to which work may be added, or deleted for sums stated in alternate bids.

1.6 An alternate bid (or alternate) is an amount stated in the bid to be added to the amount of the base bid if the corresponding change in project scope or materials or methods of construction described in the Bid Documents is accepted.

1.7 A Bidder is one who submits a bid for a prime Contract with the Owner for the work described in the Bid Documents.

1.8 A Sub-bidder is one who submits a bid to a Bidder for materials and/or labor for a portion of the work.

1.9 Where the word "Engineer" is used in any of the documents, it shall refer to the Prime Designer of the project, regardless of discipline.



## **ARTICLE 2**

### **PRE-BID CONFERENCE**

2.1 A Pre-Bid Conference may be held at the time and location described in the Advertisement for Bids. The purpose of the Pre-Bid Conference is to familiarize Bidders with the requirements of the Project and the intent of the Bid Documents, and to receive comments and information from interested Bidders. If the Pre-Bid Conference and/or Job Site Visit is stated in the Advertisement for Bids to be a Mandatory Pre-Bid Conference and/or Mandatory Job Site Visit, bids shall be accepted only from those bidders who attend the Pre-Bid Conference and/or Job Site Visit. Contractors who are not in attendance for the entire Pre-Bid Conference and/or Job Site Visit will be considered to have not attended.

2.2 Any revision of the Bid Documents made as a result of the Pre-Bid Conference shall not be valid unless included in an addendum.

## **ARTICLE 3**

### **BIDDER'S REPRESENTATION**

3.1 Each Bidder by making his bid represents that:

3.1.1 He has read and understands the Bid Documents and his bid is made in accordance therewith.

3.1.2 He has visited the site and has familiarized himself with the local conditions under which the work is to be performed.

3.1.3 His bid is based solely upon the materials, systems and equipment described in the Bid Documents as advertised and as modified by addenda.

3.1.4 His bid is not based on any verbal instructions contrary to the Bid Documents and addenda.

3.1.5 He is familiar with the Code of Governmental Ethics requirement that prohibits public servants and/or their immediate family members from bidding on or entering into contracts; he is aware that the Designer and its

principal owners are considered Public Servants under the Code of Governmental Ethics for the limited purposes and scope of the Design Contract with the State on this Project (see Ethics Board Advisory Opinion, No. 2009-378 and 2010-128); and neither he nor any principal of the Bidder with a controlling interest therein has an immediate family relationship with the Designer or any principal within the Designer's firm. (see La. R.S. 42:1113). Any Bidder submitting a bid in violation of this clause shall be disqualified and any contract entered into in violation of this clause shall be null and void.

3.2 The Bidder must be fully qualified under any State or local licensing law for Contractors in effect at the time and at the location of the work before submitting his bid. In the State of Louisiana, Revised Statutes 37:2150, et seq. will be considered, if applicable.

The Contractor shall be responsible for determining that all of his Sub-bidders or prospective Subcontractors are duly licensed in accordance with law.

## **ARTICLE 4**

### **BID DOCUMENTS**

4.1 Copies

4.1.1 Bid Documents may be obtained from the Coastal Protection and Restoration Authority as stated in the Advertisement for Bids.

4.1.1.2 In addition to the availability of printed Bid Documents, the Coastal Protection and Restoration Authority will provide the Bid Documents in electronic format. They may be obtained without charge and without deposit as stated in the Advertisement for Bids.

4.1.1.2.2 Where electronic distribution is provided, all other plan holders are responsible for their own reproduction costs.

4.1.2 Complete sets of Bid Documents shall be used in preparing bids; neither the Owner nor the Engineer assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.

4.1.3 The Owner or Engineer in making copies of the Bid Documents available on the above terms, do so only for the purpose of obtaining bids on the work and do not confer a license or grant for any other use.

#### 4.2 Interpretation or Correction of Bid Documents

4.2.1 Bidders shall promptly notify the Coastal Protection and Restoration Authority contact person listed in the Advertisement for Bids of any ambiguity, inconsistency or error which they may discover upon examination of the Bid Documents or of the site and local conditions.

4.2.2 Bidders requiring clarification or interpretation of the Bid Documents shall make a written request to the Coastal Protection and Restoration Authority contact person listed in the Advertisement for Bids, to reach him at least seven days prior to the date for receipt of bids.

4.2.3 Any interpretation, correction or change of the Bid Documents will be made by addendum. Interpretations, corrections or changes of the Bid Documents made in any other manner will not be binding and Bidders shall not rely upon such interpretations, corrections and changes.

#### 4.3 Substitutions

4.3.1 The materials, products and equipment described in the Bid Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution. No substitutions shall be allowed after bids are received.

4.3.2 No substitution will be considered unless written request for approval has been submitted by the Proposer and has been received by the Engineer at least seven (7) working days prior to the opening of bids. (RS38:2295C) Each such request shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitute including model numbers, drawings, cuts, performance and test data and any other information necessary for an evaluation. A statement setting forth any changes in other materials, equipment or work that incorporation of

the substitute would require shall be included. It shall be the responsibility of the proposer to include in his proposal all changes required of the Bid Documents if the proposed product is used. Prior approval is given contingent upon supplier being responsible for any costs which may be necessary to modify the space or facilities needed to accommodate the materials and equipment approved.

4.3.3 If the Engineer approves any proposed substitution, such approval will be set forth in an addendum. Bidders shall not rely upon approvals made in any other manner.

#### 4.4 Addenda

4.4.1 Addenda will be mailed or delivered to all who are known by the Coastal Protection and Restoration Authority to have received a complete set of Bid Documents.

4.4.2 Copies of addenda will be made available for inspection wherever Bid Documents are on file for that purpose.

4.4.3 Except as described herein, addenda shall not be issued within a period of seventy-two (72) hours prior to the advertised time for the opening of bids, excluding Saturdays, Sundays, and any other legal holidays. If the necessity arises of issuing an addendum modifying the Bid Documents within the seventy-two (72) hour period prior to the advertised time for the opening of bids, then the opening of bids shall be extended at least seven but no more than twenty-one (21) working days, without the requirement of re-advertising. The revised time and date for the opening of bids shall be stated in the addendum.

4.4.4 Each Bidder shall ascertain from the Coastal Protection and Restoration Authority prior to submitting his bid that he has received all addenda issued, and he shall acknowledge their receipt on the Bid Form.

4.4.5 The Owner shall have the right to extend the bid date by up to (30) thirty days without the requirement of re-advertising. Any such extension shall be made by addendum issued by the Coastal Protection and Restoration Authority.

## ARTICLE 5

### BID PROCEDURE

#### 5.1 Form and Style of Bids

5.1.1 Bids shall be submitted on the Louisiana Uniform Public Work Bid Form provided by the Engineer.

5.1.2 All blanks on the Bid Form shall be filled in manually in ink or typewritten.

5.1.3 Bid sums shall be expressed in both words and figures, and in case of discrepancy between the two, the written words shall govern.

5.1.4 Any interlineation, alteration or erasure must be initialed by the signer of the bid or his authorized representative.

5.1.5 Bidders are cautioned to complete all alternates should such be required in the Bid Form. Failure to submit alternate prices will render the bid non responsive and shall cause its rejection.

5.1.6 Bidders are cautioned to complete all unit prices should such be required in the Bid Form. Unit prices represent a price proposal to do a specified quantity and quality of work.

5.1.7 Bidders are strongly cautioned to ensure that all blanks on the bid form are completely and accurately filled in.

5.1.8 Bidder shall make no additional stipulations on the Bid Form nor qualify his bid in any other manner.

5.1.9 The bid shall include the legal name of Bidder. Written evidence of the authority of the person signing the bid shall be submitted at the time of bidding.

The authority of the signature of the person submitting the bid shall be deemed sufficient and acceptable under any of the following conditions:

(a) Signature on bid is that of any corporate officer listed on the most current annual report on file with the Secretary of State, or the signature on the bid is that of any member of a partnership, limited liability company, limited liability partnership, or

other legal entity listed in the most current business records on file with the Secretary of State.

(b) Signature on bid is that of authorized representative as documented by the legal entity certifying the authority of the person.

(c) Legal entity has filed in the appropriate records of the Secretary of State, an affidavit, resolution or other acknowledged or authentic document indicating the names of all parties authorized to submit bids for public contracts. Such document on file with the Secretary of State shall remain in effect and shall be binding upon the principal until specifically rescinded and canceled from the records of the office. A bid submitted by an agency shall have a current Power of Attorney attached certifying agent's authority to bind Bidder. The name and license number on the envelope shall be the same as the entity identified on the Bid Form.

5.1.10 On any bid in excess of fifty thousand dollars (\$50,000.00), the Contractor shall certify that he is licensed under R.S. 37: 2150-2173 and show his license number on the bid above his signature or his duly authorized representative.

#### 5.2 Bid Security

5.2.1 No bid shall be considered or accepted unless the bid is accompanied by bid security in an amount of five percent (5.0%) of the base bid and all alternates.

The bid security shall be in the form of a certified check or cashier's check drawn on a bank insured by the Federal Deposit Insurance Corporation, or a Bid Bond written by a surety company licensed to do business in Louisiana and signed by the surety's agent or attorney-in-fact. The Bid Bond shall be written on the Coastal Protection and Restoration Authority Bid Bond Form, and the surety for the bond must meet the qualifications stated thereon. The Bid Bond shall include the legal name of the bidder be in favor of the State of Louisiana, Coastal Protection and Restoration Authority, and shall be accompanied by appropriate power of attorney. The Bid Bond must be signed by both the bidder/principal and the surety in the space provided on the Coastal Protection and Restoration Authority Bid Bond Form. Failure by the bidder/principal or the surety to sign the bid bond shall result in the rejection of

the bid.

Bid security furnished by the Contractor shall guarantee that the Contractor will, if awarded the work according to the terms of his proposal, enter into the Contract and furnish Performance and Payment Bonds as required by these Bid Documents, within ten (10) days after written notice that the instrument is ready for his signature.

Should the Bidder refuse to enter into such Contract or fail to furnish such bonds, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as penalty.

5.2.2 The Owner will have the right to retain the bid security of Bidders until either (a) the Contract has been executed and bonds have been furnished, or (b) the specified time has elapsed so that bids may be withdrawn, or (c) all bids have been rejected.

### 5.3 Submission of Bids

5.3.1 The Bid shall be sealed in an opaque envelope. The bid envelope shall be identified on the outside with the name of the project, and the name, address, and license number of the Bidder. The envelope shall contain **only one bid form** and will be received until the time specified and at the place specified in the Advertisement for Bids. It shall be the specific responsibility of the Bidder to deliver his sealed bid to Facility Planning and Control Department at the appointed place and prior to the announced time for the opening of bids. Late delivery of a bid for any reason, including late delivery by United States Mail, or express delivery, shall disqualify the bid.

If the bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "Bid Enclosed" on the face thereof. Such bids shall be sent by Registered or Certified Mail, Return Receipt Requested, addressed to:

Facility Planning and Control,  
P. O. Box 94095  
Baton Rouge, Louisiana, 70804-9095.

Bids sent by express delivery shall be delivered to:  
Facility Planning and Control  
Suite 7-160  
Claiborne Office Building

1201 North Third Street  
Baton Rouge, Louisiana 70802

5.3.2 Bids shall be deposited at the designated location prior to the time on the date for receipt of bids indicated in the Advertisement for Bids, or any extension thereof made by addendum. Bids received after the time and date for receipt of bids will be returned unopened.

5.3.3 Bidder shall assume full responsibility for timely delivery at location designated for receipt of bids.

5.3.4 Oral, telephonic or telegraphic bids are invalid and shall not receive consideration. Owner shall not consider notations written on outside of bid envelope which have the effect of amending the bid. Written modifications enclosed in the bid envelope, and signed or initialed by the Contractor or his representative, shall be accepted.

### 5.4 Modification or Withdrawal of Bid

5.4.1 A bid may not be modified, withdrawn or canceled by the Bidder during the time stipulated in the Advertisement for Bids, for the period following the time and bid date designated for the receipt of bids, and Bidder so agrees in submitting his bid, except in accordance with R.S. 38:2214 which states, in part, "Bids containing patently obvious mechanical, clerical or mathematical errors may be withdrawn by the Contractor if clear and convincing sworn, written evidence of such errors is furnished to the public entity within forty eight hours of the Bid Opening excluding Saturdays, Sundays and legal holidays".

5.4.2 Prior to the time and date designated for receipt of bids, bids submitted early may be modified or withdrawn only by notice to the party receiving bids at the place and prior to the time designated for receipt of bids.

5.4.3 Withdrawn bids may be resubmitted up to the time designated for the receipt of bids provided that they are then fully in conformance with these Instructions to Bidders.

5.4.4 Bid Security shall be in an amount sufficient for the bid as modified or resubmitted.

## **ARTICLE 6**

### **CONSIDERATION OF BIDS**

#### **6.1 Opening of Bids**

6.1.1 The properly identified Bids received on time will be opened publicly and will be read aloud, and a tabulation abstract of the amounts of the base bids and alternates, if any, will be made available to Bidders.

#### **6.2 Rejection of Bids**

6.2.1 The Owner shall have the right to reject any or all bids and in particular to reject a bid not accompanied by any required bid security or data required by the Bid Documents or a bid in any way incomplete or irregular.

#### **6.3 Acceptance of Bid**

6.3.2 It is the intent of the Owner, if he accepts any alternates, to accept them in the order in which they are listed in the Bid Form. Determination of the Low Bidder shall be on the basis of the sum of the base bid and the alternates accepted. However, the Owner shall reserve the right to accept alternates in any order which does not affect determination of the Low Bidder.

## **ARTICLE 7**

### **POST-BID INFORMATION**

#### **7.1 Submissions**

7.1.1 The Contractor shall submit all required deliverables in conformance with Section SP-4 of the Special Provisions.

It is the preference of the Owner that, to the greatest extent possible or practical, the Contractor utilize Louisiana Subcontractors, manufacturers, suppliers and labor.

7.1.2 The Contractor will be required to establish to the satisfaction of the Engineer the reliability and responsibility of the proposed Subcontractors to furnish and perform the work described in the sections of the Specifications pertaining to such proposed Subcontractor's respective trades. The General Contractor shall be

responsible for actions or inactions of Subcontractors and/or material suppliers.

The General Contractor is totally responsible for any lost time or extra expense incurred due to a Subcontractor's/or Material Supplier's failure to perform. Failure to perform includes, but is not limited to, a Subcontractor's financial failure, abandonment of the project, failure to make prompt delivery, or failure to do work up to standard. Under no circumstances shall the Owner mitigate the General Contractor's losses or reimburse the General Contractor for losses caused by these events.

7.1.3 Subcontractors and other persons and organizations selected by the Bidder must be used on the work for which they were proposed and shall not be changed except with the written approval of the Owner and the Engineer.

In accordance with La. R.S. 38:2227, LA. R.S. 38:2212.10 and LA. R.S. 23:1726(B) the low bidder on this project must submit the completed Attestations Affidavit (Past Criminal Convictions of Bidders, Verification of Employees and Certification Regarding Unpaid Workers Compensation Insurance) form found within this bid package. The Attestations Affidavit form shall be submitted to Coastal Protection and Restoration Authority contact person listed in the Advertisement For Bids within 10 days after the opening of bids.

## **ARTICLE 8**

### **PERFORMANCE AND PAYMENT BOND**

#### **8.1 Bond Required**

8.1.1 The Contractor shall furnish and pay for a Performance and Payment Bond written by a company licensed to do business in Louisiana, which shall be signed by the surety's agent or attorney-in-fact, in an amount equal to 100% of the Contract amount. Surety must be listed currently on the U. S. Department of Treasury Financial Management Service List (Treasury List) as approved for an amount equal to or greater than the contract amount, or must be an insurance company domiciled in Louisiana or owned by Louisiana residents. If surety is qualified other than by listing on the Treasury list, the contract

amount may not exceed fifteen percent of policyholders' surplus as shown by surety's most recent financial statements filed with the Louisiana Department of Insurance and may not exceed the amount of \$500,000. However, a Louisiana domiciled insurance company with at least an A-rating in the latest printing of the A. M. Best's Key Rating Guide shall not be subject to the \$500,000 limitation, provided that the contract amount does not exceed ten percent of policyholders' surplus as shown in the latest A. M. Best's Key Rating Guide nor fifteen percent of policyholders' surplus as shown by surety's most recent financial statements filed with the Louisiana Department of Insurance. The Bond shall be signed by the surety's agent or attorney-in-fact. The Bond shall be in favor of the Coastal Protection and Restoration Authority.

## 8.2 Time of Delivery and Form of Bond

8.2.1 The Bidder shall deliver the required bond to the Owner simultaneous with the execution of the Contract.

8.2.2 Bond shall be in the form furnished by the Coastal Protection and Restoration Authority, entitled CONTRACT BETWEEN OWNER AND CONTRACTOR AND PERFORMANCE AND PAYMENT BOND, a copy of which is included in the Bid Documents.

8.2.3 The Bidder shall require the Attorney-in-Fact who executes the required bond on behalf of the surety to affix thereto a certified and current copy of his power of Attorney.

successful Bidder shall furnish to the Owner a copy of a Disclosure of Ownership Affidavit stamped by the Secretary of State, a certified copy of the minutes of the corporation or partnership meeting which authorized the party executing the bid to sign on behalf of the Contractor.

9.2.2 In accordance with Louisiana Law, when the Contract is awarded, the successful Bidder shall, at the time of the signing of the Contract, execute the Non-Collusion Affidavit included in the Contract Documents

9.2.3 When this project is financed either partially or entirely with State Bonds, the award of this Contract is contingent upon the sale of bonds by the State Bond Commission. The State shall incur no obligation to the Contractor until the Contract between Owner and Contractor is duly executed.

## ARTICLE 9

### FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

#### 9.1 Form to be Used

9.1.1 Form of the Contract to be used shall be furnished by the Coastal Protection and Restoration Authority, an example of which is bound in the Bid Documents.

#### 9.2 Award

9.2.1 Before award of the Contract, the

# LOUISIANA UNIFORM PUBLIC WORK BID FORM

**TO:** Facility Planning and Control  
P.O. Box 94095  
Claiborne Building  
Baton Rouge, LA 70804  
*(Owner to provide name and address of owner)*

**BID FOR:** BARATARIA WATERWAY  
WEST  
MAINTENANCE PROJECT  
(BA-23)  
*(Owner to provide name of project and other identifying information)*

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Sigma Consulting Group and dated: July, 2015  
*(Owner to provide name of entity preparing bidding documents.)*

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) \_\_\_\_\_.

**TOTAL BASE BID:** For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" \* but not alternates) the sum of:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**ALTERNATES:** For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

**Alternate No. 1** *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

NOT APPLICABLE Dollars (\$NOT APPLICABLE)

**Alternate No. 2** *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

NOT APPLICABLE Dollars (\$NOT APPLICABLE)

**Alternate No. 3** *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

NOT APPLICABLE Dollars (\$NOT APPLICABLE)

**NAME OF BIDDER:** \_\_\_\_\_

**ADDRESS OF BIDDER:** \_\_\_\_\_

**LOUISIANA CONTRACTOR'S LICENSE NUMBER:** \_\_\_\_\_

**NAME OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**TITLE OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER \*\*:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

\* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

\*\* If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(B)(5).

**BID SECURITY** in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

# LOUISIANA UNIFORM PUBLIC WORK BID FORM

## UNIT PRICE FORM

**TO:** Facility Planning and Control  
P.O. Box 94095  
Claiborne Building  
Baton Rouge, LA 70804  
*(Owner to provide name and address of owner)*

**BID FOR:** BARATARIA WATERWAY  
WEST  
MAINTENANCE PROJECT  
(BA-23)  
*(Owner to provide name of project and other identifying information)*

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Mobilization and Demobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
1	1	Lump Sum		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Surveying			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
2	1	Lump Sum		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Earthen Fill			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
3	175	Cubic Yards		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Geotextile Fabric			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
4	260	Square Yards		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ 55 Lb. Class Rock			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
5	230	Square Yards		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Slip Lining			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
6	92	Linear Foot		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Dewatering			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
7	1	Lump Sum		

DESCRIPTION:	<input type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Not Applicable			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

**Wording for “DESCRIPTION” is to be provided by the Owner.**

**All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.**



**BID BOND**  
FOR  
**COASTAL PROTECTION AND RESTORATION AUTHORITY PROJECTS**

Date: \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS:

That \_\_\_\_\_ of \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the State of Louisiana, Coastal Protection and Restoration Authority (Obligee), in the full and just sum of five (5%) percent of the total amount of this proposal, including all alternates, lawful money of the United States, for payment of which sum, well and truly be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents.

Surety represents that it is listed on the current U. S. Department of the Treasury Financial Management Service list of approved bonding companies as approved for an amount equal to or greater that the amount for which it obligates itself in this instrument or that it is a Louisiana domiciled insurance company with at least an A - rating in the latest printing of the A. M. Best's Key Rating Guide. If surety qualifies by virtue of its Best's listing, the Bond amount may not exceed ten percent of policyholders' surplus as shown in the latest A. M. Best's Key Rating Guide.

Surety further represents that it is licensed to do business in the State of Louisiana and that this Bond is signed by surety's agent or attorney-in-fact. This Bid Bond is accompanied by appropriate power of attorney.

THE CONDITION OF THIS OBLIGATION IS SUCH that, whereas said Principal is herewith submitting its proposal to the Obligee on a Contract for:

\_\_\_\_\_  
NOW, THEREFORE, if the said Contract be awarded to the Principal and the Principal shall, within such time as may be specified, enter into the Contract in writing and give a good and sufficient bond to secure the performance of the terms and conditions of the Contract with surety acceptable to the Obligee, then this obligation shall be void; otherwise this obligation shall become due and payable.

\_\_\_\_\_  
PRINCIPAL (BIDDER)

\_\_\_\_\_  
SURETY

BY: \_\_\_\_\_  
AUTHORIZED OFFICER-OWNER-PARTNER

BY: \_\_\_\_\_  
AGENT OR ATTORNEY-IN-FACT(SEAL)

**BARATARIA WATERWAY WEST  
MAINTENANCE PROJECT**

**Name of Project**

**BA-23**

**Project No.**

**STATE OF \_\_\_\_\_**

**PARISH OF \_\_\_\_\_**

**ATTESTATIONS AFFIDAVIT**

**Before me**, the undersigned notary public, duly commissioned and qualified in and for the parish and state aforesaid, personally came and appeared Affiant, who after being duly sworn, attested as follows:

**LA. R.S. 38:2227 PAST CRIMINAL CONVICTIONS OF BIDDERS**

A. No sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named below has been convicted of, or has entered a plea of guilty or nolo contendere to any of the following state crimes or equivalent federal crimes:

(a) Public bribery (R.S. 14:118)

(c) Extortion (R.S. 14:66)

(b) Corrupt influencing (R.S. 14:120)

(d) Money laundering (R.S. 14:23)

B. Within the past five years from the project bid date, no sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named below has been convicted of, or has entered a plea of guilty or nolo contendere to any of the following state crimes or equivalent federal crimes, during the solicitation or execution of a contract or bid awarded pursuant to the provisions of Chapter 10 of Title 38 of the Louisiana Revised Statutes:

(a) Theft (R.S. 14:67)

(f) Bank fraud (R.S. 14:71.1)

(b) Identity Theft (R.S. 14:67.16)

(g) Forgery (R.S. 14:72)

(c) Theft of a business record  
(R.S. 14:67.20)

(h) Contractors; misapplication of  
payments (R.S. 14:202)

(d) False accounting (R.S. 14:70)

(i) Malfeasance in office (R.S. 14:134)

(e) Issuing worthless checks  
(R.S. 14:71)

**LA. R.S. 38:2212.10 Verification of Employees**

- A. At the time of bidding, Appearer is registered and participates in a status verification system to verify that all new hires in the state of Louisiana are legal citizens of the United States or are legal aliens.
- B. If awarded the contract, Appearer shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the state of Louisiana.
- C. If awarded the contract, Appearer shall require all subcontractors to submit to it a sworn affidavit verifying compliance with Paragraphs (A) and (B) of this Subsection.

**BARATARIA WATERWAY WEST**  
**MAINTENANCE PROJECT**  
**Name of Project**

**BA-23**  
**Project No.**

**LA. R.S. 23:1726(B) Certification Regarding Unpaid Workers Compensation Insurance**

- A. R.S. 23:1726 prohibits any entity against whom an assessment under Part X of Chapter 11 of Title 23 of the Louisiana Revised Statutes of 1950 (Alternative Collection Procedures & Assessments) is in effect, and whose right to appeal that assessment is exhausted, from submitting a bid or proposal for or obtaining any contract pursuant to Chapter 10 of Title 38 of the Louisiana Revised Statutes of 1950 and Chapters 16 and 17 of Title 39 of the Louisiana Revised Statutes of 1950.
- B. By signing this bid /proposal, Affiant certifies that no such assessment is in effect against the bidding / proposing entity.

\_\_\_\_\_  
**NAME OF BIDDER**

\_\_\_\_\_  
**NAME OF AUTHORIZED SIGNATORY OF BIDDER**

\_\_\_\_\_  
**DATE**

\_\_\_\_\_  
**TITLE OF AUTHORIZED SIGNATORY OF BIDDER**

\_\_\_\_\_  
**SIGNATURE OF AUTHORIZED  
SIGNATORY OF BIDDER/AFFIANT**

**Sworn to and subscribed** before me by Affiant on the \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

## FOR INFORMATION ONLY

This document will be prepared by the Coastal Protection and Restoration Authority in the form appropriate for the project.

### CONTRACT BETWEEN OWNER AND CONTRACTOR AND PERFORMANCE AND PAYMENT BOND

This agreement entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2015, by (CONTRACTOR NAME) hereinafter called the "Contractor", whose business address is \_\_\_\_\_, and the State of Louisiana Coastal Protection and Restoration Authority, herein represented by its Executive Director executing this contract, and hereinafter called the "Owner".

Witnesseth that the Contractor and the Owner, in consideration of premises and the mutual covenants; consideration and agreement herein contained, agree as follows:

Statement of Work: The contractor shall furnish all labor and materials and perform all of the work required to build, construct and complete in a thorough and workmanlike manner:

Project No. \_\_\_\_\_  
State ID No. \_\_\_\_\_ Site Code \_\_\_\_\_

in strict accordance with Contract Documents prepared by Owner.

It is recognized by the parties herein that said Contract Documents, including by way of example and not of limitation, the Plans, Specifications (including General Provisions, Special Provisions, and Technical Specifications), Any Addenda thereto, Instructions To Bidders, this Contract, Advertisement For Bids, Affidavit, Bid Form, Bonds (Bid, Performance, and Payment), any Submitted Post-Bid Documentation, Notice of Award, Notice to Proceed, Change Orders, and Claims, if any, impose duties and obligations upon the parties herein, and said parties thereby agree that they shall be bound by said duties and obligations. For these purposes, all of the provisions contained in the aforementioned Contract Documents are incorporated herein by reference with the same force and effect as though said Contract Documents were herein set out in full.

Time for Completion: The work shall be commenced on a date to be specified in a written order of the Owner and shall be completed within \_\_\_\_\_ consecutive calendar days from and after the said date.

Liquidated Damages: Contractor shall be assessed Liquidated Damages in the amount of \$\_\_\_\_\_ per day for each consecutive calendar day which work is not complete beginning with the first day beyond the completion time.

Compensation to be paid to the Contractor: The Owner will pay and the Contractor will accept in full consideration for the performance of the contract the sum of \_\_\_\_\_ **Dollars (\$)** which sum represents the Contract Price.

Performance and Payment Bond: To these presents personally came and intervened \_\_\_\_\_, herein acting for \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_, and duly authorized to transact business in the State of Louisiana, as surety, who declared that having taken cognizance of this contract and of the Construction Documents mentioned herein, he hereby in his capacity as its Attorney in Fact obligates his said company, as Surety for the said Contractor, unto the said Owner, up to the sum of \_\_\_\_\_ **Dollars (\$)**. By issuance of this bond, the surety acknowledges they are in compliance with R.S. 38:2219.

The condition of this performance and payment bond shall be that should the Contractor herein not perform the contract in accordance with the terms and conditions hereof, or should said Contractor not fully indemnify and save harmless the Owner, from all cost and damages which he may suffer by said Contractor's non-performance or should said Contractor not pay all persons who have and fulfill obligations to perform labor and/or furnish materials in the prosecution of the work provided for herein, including by way of example workmen, laborers, mechanics, and furnishers of materials, machinery, equipment and fixtures, then said Surety agrees and is bound to so perform the contract and make said payment(s).

Provided, that any alterations which may be made in the terms of the contract or in the work to be done under it, or the giving by the Owner of any extensions of time for the performance of the contract, or any other forbearance on the part of either the Owner or the Contractor to the other shall not in any way release the Contractor or the Surety from their liability hereunder, notice to the Surety of any such alterations, extensions or other forbearance being hereby waived.

The Contractor agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Act of 1972, and contractor agrees to abide by the requirements of the Americans with Disabilities Act of 1990.

Contractor agrees not to discriminate in its employment practices, and will render services under this contract without regard to race, color, sex, religion, national origin, genetic information, age or disabilities. Any act of discrimination committed by Contractor or failure to comply with these statutory obligations when applicable shall be grounds for termination of this contract.

In Witness whereof, the parties hereto on the day and year first above written have executed this agreement in eight (8) counterparts, each of which shall, without proof or accountancy for the other counterparts, be deemed an original thereof.

**WITNESSES:**

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

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BY: \_\_\_\_\_  
Kyle Graham, Executive Director

BY: \_\_\_\_\_

SURETY: \_\_\_\_\_

BY: \_\_\_\_\_  
ATTORNEY IN FACT

\_\_\_\_\_

\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
TELEPHONE NUMBER

STATE OF LOUISIANA  
PARISH OF \_\_\_\_\_

PROJECT NO.

NAME

LOCATION:

### **A F F I D A V I T**

Before me, the undersigned authority, duly commissioned and qualified within and for the State and Parish aforesaid, personally came and appeared \_\_\_\_\_ representing who, being by me first duly sworn deposed and said that he has read this affidavit and does hereby agree under oath to comply with all provisions herein as follows:

#### **PART I.**

Section 2224 of Part II of Chapter 10 of Title 38 of the Louisiana Revised Statutes, as amended.

(1) That affiant employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for affiant; and

(2) That no part of the Contract price received by affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the Contract, other than the payment of their normal compensation to persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for affiant.

#### **PART II.**

Section 2190 of Part I of Chapter 10 of Title 38 of the Louisiana Revised Statutes, as amended.

That affiant, if an architect or engineer, or representative thereof, does not own a substantial financial interest, either directly or indirectly, in any corporation, firm, partnership, or other organization which supplies materials for the construction of a public work when the architect or engineer has performed architectural or engineering services, either directly or indirectly, in connection with the public work for which the materials are being supplied.

For the purposes of this Section, a "substantial financial interest" shall exclude any interest in stock being traded on the American Stock Exchange or the New York Stock Exchange.

That affiant, if subject to the provisions of this section, does hereby agree to be subject to the penalties involved for the violation of this section.

AFFIANT

\_\_\_\_\_

SWORN TO AND SUBSCRIBED BEFORE ME THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2015.

\_\_\_\_\_  
NOTARY



## **PART I    GENERAL PROVISIONS**

### **GP-1    DEFINITION OF TERMS**

Whenever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to the singular or plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs and the titles of other documents or forms.

Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

- a.    Acceptance: A written approval from the Engineer which certifies that specific items of work in the Contract have been completed and/or obligations have been fulfilled by the Contractor.
- b.    Addenda: Those written or graphic documents which are issued prior to opening of Bids in accordance with the Bidding Requirements and clarify or change the bidding requirements or the proposed Contract Documents.
- c.    Application of Payment: That form which is used by the Contractor to request partial and final payment and is deemed acceptable to the Owner. It shall be accompanied by any supporting documentation required by the Contract Documents.
- d.    A.S.T.M.: American Society for Testing and Materials.
- e.    Bid: An offer or proposal submitted on the prescribed form setting forth the prices for the Work.
- f.    Bidder: The person, association of persons, firm, or corporation submitting a proposal for the Work.
- g.    Bidding Requirements: The Advertisement for Bids, Instructions to Bidders, Form of Bid Security, if any, and Bid Form with any supplements.
- h.    Change Order: A written order which is submitted to the Contractor, signed by the Owner, and authorizes an addition, deletion, or revision in the Work, or an adjustment in the contract price or the contract time issued after the effective date of the Contract.
- i.    Claim: A written demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both or other relief with respect to the terms of the Contract.
- j.    Contract: The written agreement between the Owner and the Contractor which defines the work to be completed and shall be understood to also include all Contract Documents.

- k. Contract Documents: The Contract, all addenda which pertain to the Contract Documents, Bid Documents and specified Attachments accompanying the Bid and any post-bid documentation submitted prior to the Notice of Award, Contractor's Bid when attached as an exhibit to the Agreement, the Bonds (Bid and Performance/Payment), General Provisions, Special Provisions, Technical Specifications, Plans, and all Field or Change Orders issued after the execution of the Agreement. Shop Drawings and other submittals by the Contractor are not Contract Documents.
- l. Contract Price: The moneys payable by the Owner to the Contractor for the Work in accordance with the Contract Documents as stated in the Contract.
- m. Contract Time: The number of calendar days specified in the Contract for completion of the Work, together with any extensions authorized through change orders.
- n. Contractor: The person, association of persons, firm, or corporation entering into the duly awarded Contract.
- o. Contracting Agency: The State of Louisiana, Coastal Protection and Restoration Authority (CPRA).
- p. Day: When any period of time is referred to in the Contract Documents using days, it will be computed to exclude the first day and include the last day of such period. If the last day of any such period falls on a Saturday, Sunday, or a legal holiday, that day will be omitted from the computation. A calendar day is measured as twenty-four (24) hour period starting at midnight and ending the following midnight.
- q. Design Report: A written report by the Engineer which provides the design methodology for the Work.
- r. Effective Date of the Contract: The date indicated in the Contract on which it becomes effective.
- s. Engineer: The State of Louisiana, Coastal Protection and Restoration Authority, or its designee.
- t. Equipment: All machinery, implements, and power-tools, in conjunction with the necessary supplies for the operation, upkeep, maintenance, and all other tools and apparatuses necessary for the proper construction and acceptable completion of the Work.
- u. Extension of Contract: Any extension of time for completion of Work beyond the Contract Time which is granted by the Owner, recommended by the Engineer and approved by the Coastal Protection and Restoration Authority in the form of a Change Order.
- v. Federal Sponsor: The federal agency which has been tasked, if applicable, to manage the implementation of the project.
- w. Field Order: A written order issued by the Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or Contract Time.

- x. Laboratory: The firm, company, or corporation which is used to test materials and is approved for use by the Engineer.
- y. Laws and Regulations; Laws or Regulations: Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
- z. Materials: Any substance used in the Work to build structures, but does not include material used in false work or other temporary structures not incorporated in the Work.
- aa. Milestone: A principal event specified in the Contract Documents relating to an intermediated completion date or time prior to the Contract Times.
- bb. Notice of Award: A written notice to the successful Bidder stating that the Bid has been accepted by the Owner and that the successful Bidder is required to execute the Contract and furnish the Payment and Performance Bond and Non-Collusion Affidavit.
- cc. Notice to Proceed: The written notice to the Contractor by the Owner which provides the starting date for the Contract Time.
- dd. Owner: The Owner is the State of Louisiana (State) which acts through the Contracting Agency.
- ee. Performance and Payment Bond: The approved form of security furnished by the Contractor and Surety for the faithful performance of the Work, and the payment for all labor, materials, and/or obligations incurred by the Contractor in the prosecution thereof.
- ff. Plans: That part of the Contract Documents prepared or approved by the Engineer which graphically shows the scope, intent, and character of the Work to be completed by the Contractor.
- gg. Project Site: The location where the Work is to be performed as stated in the Contract Documents.
- hh. Resident Project Representative: An authorized representative of the Engineer who is responsible to inspect the Work and materials furnished by the Contractor.
- ii. Right-of-way: That entire area reserved for constructing, maintaining, and protecting the proposed improvement, structures, and appurtenances of the Work.
- jj. Samples: Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portions of the Work will be judged.
- kk. Shop Drawings: All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for the Contractor and submitted by the Contractor to illustrate some portion of the Work to be performed.

- ll. Specifications: That part of the Contract Documents consisting of written technical descriptions of materials, equipment, systems, standards, and workmanship as applied to the work to be performed and certain administrative details applicable thereto.
- mm. State: The State of Louisiana.
- nn. Structures: Bridges, plugs, weirs, bulkheads, berms, dams, levees, and other miscellaneous construction encountered during the Work and not otherwise classified herein.
- oo. Subcontractor: Any person, association of persons, firm, or corporation who contracts with the Contractor to perform any part of the project covered by the Contract.
- pp. Submittals: Certificates, samples, shop drawings, and all other project data which are submitted to the Engineer in order to verify that the correct products will be installed on the project.
- qq. Successful Bidder: The lowest responsible Bidder whom the Owner makes an award.
- rr. Special Provisions: That part of the Contract Documents which amends or supplements these General Provisions.
- ss. Surety: The corporate body, licensed to do business in Louisiana, bound with and for the Contractor's primary liability, and engages to be responsible for payment of all obligations pertaining to acceptable performance of the Work contracted.
- tt. Temporary Structures: Any non-permanent structure required while engaged in the prosecution of the Contract.
- uu. Work: All work specified herein or indicated on the Plans.
- vv. Work Plan: A written plan by the Contractor that details how the Work will be provided including layout drawings, projected schedule (Initial Progress Schedule), and a list of labor hours, materials, and equipment.

## GP-2 BID REQUIREMENTS

The Contract and Bonds which govern the Work shall be performed in accordance with the Plans, Specifications, and the Louisiana Standard Specifications for Roads and Bridges, 2006 edition. The Bidder understands that all quantities for performing the Work have been estimated by the Engineer, and that the Bid shall be the sum of the quantities multiplied by their respective unit rates. The Contract shall be awarded by the Owner through a comparison of all bids. It is the responsibility of each Bidder before submitting a Bid to:

- 2.1. Examine the Bidding Documents including the Plans and Specifications and any Addenda or related data identified in the Bidding Documents;
- 2.2. Visit the Project Site to become familiar with the local conditions if they are believed to affect cost, progress, or the completion of the Work;

- 2.3. Become familiar and satisfied with all federal, state, and local Laws and Regulations that may affect cost, progress, or the completion of the Work;
- 2.4. Study and correlate all information known to the Bidder including observations obtained from Bidder's visits, if any, to the Project Site, with the Bidding Documents;
- 2.5. Submit a written notice to the Engineer within three (3) days regarding any conflicts, errors, ambiguities, or discrepancies discovered in the Bidding Documents and confirm that the written resolution thereof by the Engineer is acceptable to the Bidder; and
- 2.6. Determine that the Bidding Documents are generally sufficient to convey an understanding of all terms and conditions for completing the required Work.

The submission of a Bid will constitute an incontrovertible representation that the Bidder has complied with every requirement of these Specifications. The Bidder shall comply with all other requirements specified in the Advertisement For Bids and the Instruction To Bidders.

### GP-3 AVAILABILITY OF PLANS AND SPECIFICATIONS

One (1) set of Plans and Specifications shall be furnished to each Bidder. Three (3) sets of the Plans and Specifications shall be furnished to the Contractor upon award of the Contract. Additional sets may be furnished to the Contractor upon request from the Engineering Division of the Coastal Protection and Restoration Authority, 450 Laurel Street, 11th Floor, Baton Rouge, Louisiana 70801.

### GP-4 LAWS, REGULATIONS, STANDARDS, SPECIFICATIONS, AND CODES

Bidders are required to become familiar and remain in compliance with all Federal, State, and local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority which may affect those employed for the execution of the Work or which may affect the conduct of the Work. The Contractor shall indemnify the Owner and its representatives against any claim or liability arising from all violations of any laws, bylaws, ordinances, codes, regulations, orders, or decrees, whether by the Contractor or by the Contractor's employees. The filing of a bid will be presumptive evidence that the Bidder has complied with this requirement. The Owner will not be responsible for any inaccurate interpretations or conclusions drawn by the Contractor from information and documentation provided by the Owner.

References to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws and Regulations, whether such reference be specific or by implication, may not be in effect at the time of opening the Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents. No provision of any such standard, specification, manual, or code, or any instruction of a supplier shall be effective to change the duties or responsibilities of the Owner or Engineer, or any of their Subcontractors, consultants, agents, or employees from those set forth in the Bid Documents. No such provision shall be effective to assign to the Owner or Engineer, or any of their consultants, agents, or employees any duty or authority to supervise or direct the performance of the Contractor's obligations or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

The obligations imposed by these specifications are in addition to and are not to be construed in any way as a limitation of any rights available to the Engineer or Owner which are otherwise imposed by any laws or regulations or other provisions within the Contract Documents.

The Contractor shall abide by laws set forth in the Davis-Bacon Act of 1931 which states that all laborers and mechanics employed by recipients, the recipient's contractors, or subcontractors on this project shall be paid wages at rates no less than those prevailing on projects of a character similar in the locality as determined by the Secretary of Labor in accordance with Subchapter IV of Chapter 31 of Title 40 United States Code. Additionally, with respect to the labor standards specified in this section, the Secretary of Labor shall have the authority and functions set forth in Reorganization Plan Number 14 of 1950 (64 Stat. 1267; 5 U.S.C. App.) and The Copeland Act of Title 40 (40 U.S.C. § 3145). Prevailing Wage Determination Schedules, as determined by the United States Department of Labor, are provided in the Appendix. Prevailing Wage Determination Schedules are subject to modification by the United States Department of Labor. The Contractor is responsible for utilizing the most current Prevailing Wage Determination Schedule. These documents can be downloaded from the following link: <http://www.wdol.gov/dba.aspx#3>. Modifications to Prevailing Wage Determination Schedules shall be effective if received (or posted) no less than 10 days prior to bid opening.

#### GP-5 PRE-BID CONFERENCE AND SITE VISIT

A Pre-Bid Conference will be held at the location and on the date provided in the Advertisement For Bids. If the Pre-Bid Conference is stated in the Advertisement for Bids to be a MANDATORY Pre-Bid Conference, bids shall be accepted only from those bidders who attend the Pre-Bid Conference in its entirety. Failure to attend a mandatory Pre-Bid Conference in its entirety will result in a null or void Bid.

A site visit may also be held at the Project Site as specified in the Advertisement For Bids or at the Pre-Bid conference. If held, bidders will be required to furnish their own transportation to the Project Site. Representatives of the Owner and Engineer will attend the Pre-Bid conference and site visit, if held, to discuss the Work.

All questions shall be in writing and faxed or emailed to the Coastal Protection and Restoration contact person listed in the Advertisement For Bids after the Pre-Bid Conference and by the due date announced at the Pre-Bid conference. In order to ensure adequate response time, all questions and/or requests for clarification or interpretation of the Bid Documents should be received by the Coastal Protection and Restoration Authority at least seven days prior to the date for receipt of bids. Oral statements will not be binding or legally effective. The Coastal Protection and Restoration Authority will issue addenda in response to all questions arising at the Pre-Bid Conference and site visit to all prospective Bidders on record. All prospective Bidders on record may contact the Coastal Protection and Restoration Authority contact person for any additional information.

#### GP-6 NOTICE OF AWARD

The Owner, or its designated bidding agent (Division of Administration, Office of Facility Planning and Control), shall provide written notice to the Successful Bidder stating that the

Owner will sign and deliver the Contract upon compliance with the conditions enumerated therein and within the time specified.

#### GP-7 NOTICE TO PROCEED AND CONTRACT TIME

The Contractor shall start the Work and begin the Contract Time on the dates provided in the Notice to Proceed. The Work shall be conducted using sufficient labor, materials, and equipment as necessary to ensure completion within the Contract Time. The Contract Time for completion of the Base Bid for the Work is provided in the Instructions To Bidders, unless an extension is granted to the Contract Time as specified in GP-44. If the Bid contains an Alternate Bid(s), and the Alternate Bid(s) is awarded and included in the Contract, the Contract Time associated with the Alternate Bid(s) will be as provided in the Special Provisions.

#### GP-8 WORK PLAN

The Contractor shall develop a written Work Plan which accounts for all of the construction activities required by the Contract Documents. The Work Plan shall include a list of the individual construction tasks to be completed and the estimated dates for beginning and completing the tasks. It shall also include all other items which are applicable to completing the Work such as, but not limited to, the following:

- a. Typical report form for the Bi-Weekly Progress Meeting;
- b. Typical form for Daily Progress Report;
- c. Hurricane and Severe Storm Plan;
- d. Site-specific Health and Safety Plan;
- e. The delivery method and source(s) of all construction materials (company or producer name, mailing and physical address, phone number, and name of contact person).
- f. The personnel, material, subcontractors, fabricators, suppliers, types of equipment, and equipment staging areas the Contractor proposes to use for construction;
- g. Shop drawings, test results, and sample submittals;
- h. Survey layout and stakeout;
- i. All supplemental items specified in the Special Provisions.

The Work Plan shall be submitted to the Engineer prior to the Pre-Construction Conference by the date provided in the Special Provisions. The Engineer shall review the Work Plan and have the Contractor make any necessary revisions prior to acceptance of the plan. **No payment for mobilization will be made until the Work Plan has been accepted by the Engineer.**

## GP-9 PROGRESS SCHEDULE

The Contractor shall develop a written Progress Schedule which provides for an orderly progression of the Work, submittals, tests, and deliveries in order to complete the Work within the specified Milestones and Contract Time. All of the items listed in the Work Plan shall be integrated into the Progress Schedule. The format of the schedule shall be composed using Microsoft Project®, or any other software deemed acceptable by the Engineer. It shall be updated weekly by the Contractor, at a minimum. The Progress Schedule shall also include, but not be limited to the following:

- a. All of the elements in the Work Plan, including updates;
- b. A work order issued from Louisiana One Call ordering all their subscribers in the project area to mark their utilities;
- c. A telephone log verifying that all property owners and utilities have been contacted. This log should list the time, date, and names of the personnel representing the property owners, utilities, and Contractor;

The following table defines the monthly anticipated adverse weather days that are expected to occur during the Contract Time and will constitute the baseline monthly weather time for evaluations. The schedule is based upon National Oceanic and Atmospheric Administration (NOAA) or similar data for the regional geographic area.

Monthly Anticipated Adverse Weather Calendar Days											
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
5	5	4	4	4	5	7	7	5	3	3	4

The Progress schedule must reflect these anticipated adverse weather delays on all weather dependent activities. Adverse weather days must prevent Work for fifty percent (50%) or more of the work day and delay work critical to the timely completion of the project. The number of actual adverse weather days shall be calculated chronologically from the first to the last day of each month.

The Progress Schedule shall be submitted to the Engineer prior to the Pre-Construction Conference by the date provided in the Special Provisions. The Engineer shall perform a review and have the Contractor make any necessary revisions prior to acceptance of the schedule. Acceptance will not impose responsibility on the Owner or Engineer for the sequencing, scheduling, or progression of the Work. The Contractor is fully responsible for progression of the Work in order to maintain the compliance with the Progress Schedule.

## GP-10 DAILY PROGRESS REPORTS

The Contractor shall record the following daily information on Daily Progress Reports:

- a. Date and signature of the author of the report;
- b. Dollar amount of all bid items that are fabricated, installed, backfilled, pumped, constructed, damaged, replaced, etc. The amount of material shall be expressed in the units stated in the bid;



- c. Field notes of all surveys;
- d. Notes on all inspections;
- e. Details of Health and Safety meetings;
- f. A brief description of any Change Orders, Field Orders, Claims, Clarifications, or Amendments;
- g. Condition of all navigation aides (I.E., warning signs, lighted marker buoys) and any repairs performed on them;
- h. Weather conditions (adverse weather day, wind speed and direction, temperature, wave height, precipitation, etc.);
- i. The amount of time lost to severe weather or personnel injury, etc;
- j. Notes regarding compliance with the Progress Schedule;
- k. Visitor log (Instructions for format will be furnished by the Field Engineer).

The daily progress reports shall be submitted to the Engineer at the Bi-Weekly Progress Meetings specified in GP-13 in both hard copy and digital format (Adobe Acrobat® Format, or approved equal). The typical form for Daily Progress Reports shall be developed by the Contractor and incorporated into the Work Plan.

#### GP-11 HURRICANE AND SEVERE STORM PLAN

The Contractor shall develop and maintain a written Hurricane and Severe Storm Plan. The Plan shall include, but not be limited to, the following:

- a. What type of actions will be taken before storm strikes at the Project Site. The plan should specify what weather conditions or wave heights will require shutdown of the Work and removal of equipment, personnel, etc.
- b. Notes from continuous monitoring of NOAA marine weather broadcasts and other local commercial weather forecasts.
- c. Equipment list with details on their ability to handle adverse weather and wave conditions.
- d. List of safe harbors or ports and the distance and travel time required to transfer equipment from the Project Site.
- e. Hard copies of any written approvals or operations schedules associated with the use of the safe harbors or ports.
- f. Method of securing equipment at the safe harbors or ports.

- g. List of tug boats and work boats and their respective length, horsepower, etc. which will adequately transfer the equipment to safe harbor or port under adverse weather conditions.
- h. Methods which will be used to secure equipment left onsite during adverse weather conditions.
- i. Evacuation or immediate reaction plans to be taken by personnel for sudden storm occurrences.
- j. Operations procedures which will be used to secure critical dredging equipment such as spuds, swing wires, anchor wires, or tugs during adverse weather conditions.
- k. Communications protocol with local law enforcement and fire and rescue agencies.

The Contractor shall incorporate the Hurricane and Severe Storm Plan into the Work Plan. The Owner and Engineer are not responsible for the adequacy of this plan.

#### GP-12 HEALTH AND SAFETY PLAN AND INSPECTIONS

The Contractor shall develop and maintain a written Health and Safety Plan which allows the Work to be performed in compliance with all applicable laws, ordinances, rules, and regulations of any government agency having jurisdiction over the safety of personnel or property. This includes maintaining compliance with the Code of Federal Regulations, Title 29, Occupational Safety and Health Administration (OSHA) and all applicable Health and Safety Provisions of the State of Louisiana.

The Contractor shall institute a daily inspection program to assure that the requirements of the Health and Safety Plan are being fulfilled. Inspections shall include the nature of deficiencies observed, corrective action taken or to be taken, location of inspection, date, and signature of the person responsible for its contents. The results of the inspections shall be recorded on Daily Progress Reports and kept at the Project Site during the Work.

The Contractor shall incorporate the Health and Safety Plan into the Work Plan. The Owner and Engineer are not responsible for the adequacy of this plan.

#### GP-13 PROGRESS MEETINGS AND REPORTS

The Engineer shall schedule meetings to review the progress of the Work, coordinate future efforts, discuss compliance with the Progress Schedule and resolve miscellaneous problems. The Engineer or Resident Project Representative, Contractor, and all Subcontractors actively working at the Project Site shall attend each meeting. Representatives of suppliers, manufacturers, and other Subcontractors may also attend at the discretion of the Contractor. The Contractor shall record the details of each meeting in a Progress Report. The format of this report shall be developed by the Contractor, approved by the Engineer, and included in the Work Plan. The progress meetings and reports shall be scheduled according to the Special Provisions.

#### GP-14 PRE-CONSTRUCTION CONFERENCE

A Pre-Construction Conference shall be held by the Contractor, Owner, Engineer, local stakeholders, and other appropriate personnel prior to starting construction on the date specified in the Special Provisions. This conference shall serve to establish a mutual understanding of the Work to be performed, the elements of the Progress Schedule and Work Plan, expectations for bi-weekly progress meetings, the Plans and Specifications, processing Applications for Payment, and any other items of concern. If any subcontractors are not present, another pre-construction conference will be required.

#### GP-15 CONTRACT INTENT

The Bid Documents are complementary; what is called for by one is as binding as if called for by all. Clarifications and interpretations or notifications of minor variations and deviations of the Contract Documents will be issued by Engineer as provided in these Specifications. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Bid Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided at no additional cost to the Owner.

#### GP-16 ENGINEER AND AUTHORITY OF ENGINEER

The Engineer will be the designated representative of the Owner, the initial interpreter of the Contract Documents and the judge over acceptability of all the Work. Claims, disputes, and other matters relating to the acceptability of the Work, performance by the Contractor or the interpretation of the requirements of the Contract Documents must be submitted to the Engineer in writing. Upon written request from the Contractor, the Engineer shall issue written clarifications or interpretations which are consistent with the overall intent of the Contract Documents. Such written clarifications and interpretations will be binding on the Owner and the Contractor. Either the Owner or the Contractor may make a Claim if a written clarification or interpretation justifies an adjustment in the Contract Price or Contract Times.

The Engineer has the authority to suspend the Work in whole or in part due to failure of the Contractor to correct conditions unsafe for workmen or the general public, carry out provisions of the Contract, perform conformance work, or to carry out orders. The Engineer shall submit a written order to the Contractor for work which must be suspended or resumed. Nothing in this provision shall be construed as establishing responsibility on the part of the Engineer for safety which is the responsibility of the Contractor.

The Engineer or Resident Project Representative shall keep a daily record of weather and flood conditions and may suspend the Work as deemed necessary due to periods of unsuitable weather, conditions considered unsuitable for execution of the Work, or for any other condition or reason deemed to be in the public interest.

#### GP-17 CONFORMITY WITH PLANS AND SPECIFICATIONS

All work and materials involved with the Work shall conform with the lines, grades, cross sections, dimensions, and other requirements shown on the Plans or indicated in these Specifications unless otherwise approved by the Engineer.

## GP-18 CLARIFICATIONS AND AMENDMENTS TO CONTRACT DOCUMENTS

The Contract Documents may be clarified or amended by the Engineer to account for additions, deletions, and revisions to the Work after the Effective Date of the Contract. The clarifications and amendments shall be addressed by either a Change Order or a written clarification by the Engineer. The Contractor shall not proceed with the Work until the Change Order or clarification has been issued by the Engineer. The Contractor shall not be liable to the Owner or Engineer for failure to report any such discrepancy unless the Contractor had reasonable knowledge.

The Contractor may request a clarification or amendment for the following:

- a. Any conflict, error, ambiguity, or discrepancy within the Contract Documents; or
- b. Any conflict, error, ambiguity, or discrepancy between the Bid Documents and the provision of any Law or Regulation applicable to the performance of the Bid; or
- c. Any standard, specification, manual, or code (whether or not specifically incorporated by reference in the Bid Documents); or
- d. Instructions by a supplier.

The official form for a written clarification is provided in Appendix B. This form shall be filled out appropriately by the Contractor and submitted to the Engineer. The Engineer shall clarify the issue in writing on either the clarification form, Field Order or a Change Order and submit it to the Contractor.

## GP-19 SUBCONTRACTS

The Contractor shall provide the names of all Subcontractors to the Engineer in writing before awarding any Subcontracts. The Contractor shall be responsible for the coordination of the trades and Subcontractors engaged in the Work. The Contractor is fully responsible to the Owner for the acts and omissions of all the Subcontractors. The Owner and Engineer will not settle any differences between the Contractor and Subcontractors or between Subcontractors. The Contractor shall have appropriate provisions in all Subcontracts to bind Subcontractors to the Contractor by the terms of the General Provisions and other Contract Documents, as applicable to the Work of Subcontractors. The provisions should provide the Contractor the same power regarding termination of Subcontracts that the Owner may exercise over the Contractor under any provisions of the Contract Documents.

## GP-20 WORKERS, METHODS, AND EQUIPMENT

The Contractor shall provide competent, qualified, and trained personnel to perform the Work. The Contractor shall not employ any person found objectionable by the Engineer. Any person employed by the Contractor or any Subcontractor who, in the opinion of the Engineer, does not perform the Work in a proper, skillful, and orderly manner shall be immediately removed upon receiving a written order by the Engineer. The Engineer may also suspend the Work until the Contractor removes the employee or provides a suitable replacement. Such an employee shall not be re-employed in any portion of the Work without written approval from the Engineer.

The on-site superintendent for the Contractor shall be competent, English-speaking, and qualified to receive orders, supervise, and coordinate all Work for the Contractor and any Subcontractors. The qualifications of the superintendent must be established and approved by the Engineer prior to commencement of the Work. The superintendent shall be furnished by the Contractor regardless of how much Work may be sublet. In the performance of the Work under this Contract, the Contractor shall conduct operations to avoid interference with any other Contractors.

All equipment, products, and material incorporated into the Work shall be as specified, or if not specified, shall be new, of good quality, and protected, assembled, used, connected, applied, cleaned, and conditioned in accordance with the manufacturer's instructions, except as otherwise may be provided in the Bid Documents. All equipment shall be of sufficient size and mechanical condition to meet the requirements of the Work and produce a satisfactory quality of work. Equipment shall not damage adjacent property throughout the performance of the Work. The Plant and Equipment Schedule should be completed by the Contractor.

The Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures used to complete the Work in conformance with the Contract Documents.

The Contractor shall obtain permission from the Engineer if a method or type of equipment other than specified in the Contract is desired. The request shall be in writing and shall include a full description of the methods, equipment proposed, and reasons for the modification. A proposed item of material or equipment may be considered by the Engineer to be functionally equal to an item specified in the Contract if:

- a. It is at least equal in quality, durability, appearance, strength, and design characteristics;
- b. There is no increase in any cost including capital, installation, or operating to the Owner;
- c. The proposed item will conform substantially, even with deviations, to the detailed requirements of the item named in the Bid Documents.

If, after trial use of the substituted methods or equipment, the Engineer determines that the Work produced does not meet Contract requirements, the Contractor shall discontinue use of the substituted methods or equipment and shall complete the Work with the specified methods and equipment. The Contractor shall remove the deficient Work and replace it with Work of specified quality or take other corrective action as directed. No change will be made in basis of payment for construction items involved or in Contract Time as a result of authorizing a change in methods or equipment.

## **GP-21 ACCIDENT PREVENTION, INVESTIGATIONS, AND REPORTING**

The Contractor shall be responsible to develop and maintain all safeguards and safety precautions necessary to prevent damage, injury, or loss throughout the performance of the Work. All accidents at the Project Site shall be investigated by the immediate supervisor of employee(s) involved and reported to the Engineer or Resident Project Representative within one (1) working day. A complete and accurate written report of the accident including estimated lost time days shall be submitted to the Engineer within four (4) calendar days. A

follow-up report shall be submitted to the Engineer if the estimated lost time days differ from the actual lost time days.

#### GP-22 PRESERVATION AND RESTORATION OF PROPERTY, MONUMENTS, ETC.

The Contractor shall comply with all applicable laws, ordinances, rules, and regulations of any government agency having jurisdiction over the preservation and protection of public and private property. The Contractor shall install and maintain suitable safeguards and safety precautions during the Work as necessary to prevent damage, injury, or loss to property. This responsibility shall remain with the Contractor until the Work has been completed and accepted. Any damage, injury, or loss to property which is caused by the Contractor or Subcontractors shall be repaired or replaced at the expense of the Contractor.

The Contractor shall protect all land monuments, State and United States bench marks, geodetic and geological survey monuments, and property markers from disturbance or damage until an authorized agent has witnessed or otherwise referenced their location. The Contractor shall also provide protection for all public and private property including trees, utilities, pipes, conduits, structures, etc. These items shall not be removed unless directed by the Engineer.

The Contractor shall be responsible to completely repair all damages to public or private property due to any act, omission, neglect, or misconduct in the execution of the Work unless it is due to unforeseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God, public enemies, or governmental authorities. The damage must be repaired at the expense of the Contractor before final acceptance of the Work can be granted by the Engineer. If the Contractor fails to repair the damage within forty-eight (48) hours, the Owner may independently proceed with the repairs at the expense of the Contractor by deducting the cost from the Contract. If the Contractor cannot provide for the cost of repairs, the Surety of the Contractor shall be held until all damages, suits, or claims have been settled.

#### GP-23 PROTECTION OF THE WORK, MATERIALS, AND EQUIPMENT

It shall be the responsibility of the Contractor to protect the Work, materials, and equipment from damages or delays due to inflows, tidal rise, and storm water runoff which may occur at the Project Site. The Owner shall not be held liable or responsible for these types of delays or damages.

#### GP-24 LAND RIGHTS

The Owner has been granted all of the temporary easements, servitudes, and right-of-way agreements from public and private landowners in order to perform the Work. A land rights memorandum which lists all known responsible contacts and required stipulations is provided in Appendix C. The Contractor is responsible to notify all of the contacts and abide by stipulations listed in that memorandum.

## GP-25 UTILITIES

The Owner has been granted all of the temporary easements, servitudes, and right-of-way agreements from known public and private utilities in order to perform the Work. The utilities include, but are not limited to telephone, telegraph, power poles or lines, water or fire hydrants, water or gas mains and pipelines, sewers, conduits, and other accessories or appurtenances of a similar nature which are fixed or controlled by a city, public utility company or corporation.

The Contractor shall conduct the Work in such a manner as to cooperate and minimize inconveniences with utilities. Prior to commencement of the Work, the Contractor is responsible to notify all of the utilities and abide by stipulations required by the utility company(s). The Contractor shall also call Louisiana One Call at 1-800-272-3020 a minimum of 5 working days prior to construction to locate existing utilities at the Project Site.

Any damage to utilities that is caused by the Contractor within the Project Site shall be repaired at the expense of the Contractor. The Owner will not be responsible for any delay or damage incurred by the Contractor due to working around or joining the Work to utilities left in place or for making adjustments.

Any unidentified pipes or structures which may be discovered within the limits of the Project Site shall not be disturbed and shall be reported to the Engineer as soon as possible. Construction or excavation shall not be performed around unidentified utilities without prior approval from the Engineer.

## GP-26 PERMITS

Federal and State permits that are required to perform the Work, such as the Department of the Army Permit, Coastal Use Permit, LDEQ Clean Water Permit, LDWF Fill Material License, and LADOTD highway crossing permit have been secured by the Owner. Permit conditions affecting the construction processes have been included in these Specifications. Copies of these permits will be provided to the Contractor at the pre-construction conference. These permits will not relieve the responsibility of the Contractor from obtaining any additional permits which may be needed to complete the Work. Copies of any special permits that are obtained by the Contractor must be submitted to the Owner. The Contractor shall conform to the requirements therein and display copies of the permits in a public setting at the Project Site at all times.

## GP-27 PROJECT SITE CLEAN-UP

The Contractor shall keep the Project Site free from accumulations of waste material or trash at all times. All trash and waste materials shall be removed by the Contractor and disposed off-site in an approved waste disposal facility. In addition, all equipment, tools, and non-conforming work shall also be removed prior to the Work being accepted. No materials shall be placed outside of the Project Site.

## GP-28 OWNER INSPECTION

The Owner, Resident Project Representative, and Federal Sponsor shall have the right to perform reasonable inspections and testing of the Work at the Project Site. Access shall be granted to the entire Project Site including all materials intended for use in the Work. The Contractor shall allow reasonable time for these inspections and tests to be performed. The inspections shall not relieve the Contractor from any obligation in accordance with the requirements of the Contract.

The Owner shall notify the Contractor prior to all tests, inspections, and approvals of the Work which are to be conducted at the Project Site. The Owner shall also provide the Contractor with the written results of all inspections and tests. Inspections, tests, or Payments made by the Owner shall not constitute acceptance of non-conforming Work of prejudice the Owner's rights under the Contract.

## GP-29 DUTIES OF RESIDENT PROJECT REPRESENTATIVE

A Resident Project Representative shall be assigned by the Engineer to the Project Site to observe the Contractor and monitor the progress and manner in which the Work is being performed. The Resident Project Representative will also report to the Engineer and Contractor whenever materials or Work fail to comply with the Contract. The Resident Project Representative is authorized to reject any materials or suspend work which does not comply with the Contract until the issue is resolved by the Engineer.

However, the Resident Project Representative is not authorized to revoke, alter, enlarge, relax, or release any requirements of the Contract, or to approve or accept any portion of the Work, or to issue instructions contrary to the Plans and Specifications. The Resident Project Representative shall not manage or perform duties for the Contractor.

## GP-30 CONSTRUCTION STAKES, LINES, AND GRADES

The Engineer shall direct the Contractor to all control points necessary for setting stakes and establishing lines and grades as shown on the Plans. The Contractor shall be responsible for laying out all of the Work. All layouts shall be witnessed and verified by the Engineer or Resident Project Representative prior to beginning the Work. The Contractor shall be responsible for proper execution of the Work according to the layouts after receiving verification from the Engineer.

The Contractor shall be responsible for furnishing and maintaining stakes such that the Work can be verified for acceptance. The Engineer may suspend the Work at any time if it cannot be adequately verified due to the number, quality, or condition of the stakes.



#### GP-31 CONTRACTOR'S RESPONSIBILITY FOR WORK

The Contractor shall execute all items covered by the Contract, and shall furnish, unless otherwise definitely provided in the Contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to complete the Work. The Contractor shall pay constant attention to the progress of the Work and shall cooperate with the Engineer in every way possible. The Contractor shall maintain a complete copy of the Contract at all times, including the Plans, Specifications, and any authorized modifications.

#### GP-32 ENVIRONMENTAL PROTECTION

The Contractor shall comply with and abide by all federal, state, and local laws and regulations controlling pollution of the environment, including air, water, and noise. The Contractor shall take precautions to prevent pollution of waters and wetlands with fuels, oils, bituminous materials, chemicals, sewage, or other harmful materials and contaminants, and to prevent pollution of the atmosphere from particulate and gaseous matter, in accordance with all terms and conditions of federal, state, and local air and water pollution control laws and programs and their rules and regulations, including the federal Clean Air Act and the federal Clean Water Act.

The Contractor shall adhere to the provisions which require compliance with all standards, orders, or requirements contained under Section 306 of the Clean Air Act and Section 508 of the Clean Water Act, which prohibit the use under non-exempt Federal contracts, grants, or loans, of facilities included on the Environmental Protection Agency (EPA) list of Violating Facilities.

Construction operations in rivers, streams, lakes, tidal or coastal waters, reservoirs, canals, wetlands, and any other impoundments shall be restricted to areas where it is necessary to accomplish the Work and performed in accordance with any applicable federal, state, and local laws, regulations, permit requirements, and guidelines, and the Contractor shall conduct the Work in a manner that will not cause damaging concentrations of silt or pollution to water.

Contractor shall maintain and operate equipment to minimize noise, dust, and vibration near noise, dust and vibration-sensitive areas such as churches, hospitals, schools, and residential areas, and assure that any activities conducted near such areas are not unduly disruptive. Contractor shall maintain all equipment with properly functioning mufflers.

The Contractor shall be responsible for determining and utilizing any erosion and pollution control features or methods that may be necessary to comply with all federal, state, and local laws and regulations.

#### GP-33 SANITARY PROVISION

The Contractor shall provide and maintain sanitary accommodations for use by all employees and Subcontractors. Facilities shall comply with the requirements of the Louisiana State Board of Health and Hospitals and other authorities having jurisdiction. Committing public nuisance on the Project Site is prohibited.

#### GP-34 PAYMENT OF TAXES

The Contractor shall be responsible for all taxes and duties that maybe levied under existing State, Federal, and local laws during the completion of the Work. The Owner will presume that the amount of such taxes is included in the unit prices bid by the Contractor and will not provide additional reimbursement.

#### GP-35 RADIO AND TELEPHONES

The Contractor shall furnish and maintain radio and telephone equipment throughout the Contract Time which will allow communication between the Contractor and the Engineer or Resident Project Representative.

#### GP-36 NAVIGATION

All marine vessels shall comply with the following Federal Laws and Regulations:

- a. The International Navigational Rules Act of 1977 (Public Law 95-75, 91 Stat. 308, or 33 U.S.C. 1601-1608); and
- b. The Inland Navigation Rules Act of 1980 (Public Law 96-591, 94 Stat. 3415, 33 U.S.C. 2001-2038).

These rules can be found on the Internet at:  
<http://www.navcen.uscg.gov/?pageName=navRulesContent>.

All marine vessels shall display the lights and day shapes required by Part C- Lights and Shapes of the Inland Navigation Rules. The location, type, color, and size of the lights and day shape shall be in accordance with Annex I - Positioning and Technical Details of Lights and Shapes. Any vessel engaged in dredging is considered a "Vessel restricted in her ability to maneuver" and shall display all the lights and shapes required in Rule 27, "Vessel Not Under Control."

#### GP-37 OBSTRUCTION TO NAVIGATION

The Contractor shall minimize all obstructions to navigation in compliance with pertinent U. S. Coast Guard regulations while conducting the Work. The Contractor shall promptly move any floating equipment or marine vessels which obstruct safe passage of other marine vessels. Upon completion of the Work, the Contractor shall remove all marine vessels and other floating equipment such as temporary ranges, buoys, piles, and other marks or objects that are not permanent features of the Work.

#### GP-38 MARINE VESSELS AND MARINE ACTIVITIES

All marine vessels regulated by the USCG shall have the required USCG documentation that is current before being placed in service. A copy of any USCG Form 835 issued to the vessel in the preceding year shall be made available to the Owner and Engineer and a copy shall be on board the vessel. All officers and crew shall possess valid USCG licenses as required by USCG regulations. These certificates, classifications, and licenses shall be posted in a public area on board each vessel.

All dredges and quarter boats not subject to USCG inspection and certification or not having a current ABS classification shall be inspected in the working mode annually by a marine surveyor accredited by the National Association of Marine Surveyors (NAMS) or the Society of Accredited Marine Surveyors (SAMS) and having at least 5 years' experience in commercial marine plant and equipment. The inspection certificate shall be posted in a public area on board each dredge and/or quarter boat.

All other plant and support vessels shall be inspected before being placed in service and at least annually by a qualified person. The inspection certificate shall be posted in a public area on board each plant and/or vessel.

#### GP-39 RECORD KEEPING

The Contractor shall maintain orderly records of the Progress Schedule, Daily Progress Reports, Progress Meetings, correspondence, submittals, reproductions of original Contract Documents, Change Orders, Field Orders, certificates, additional drawings issued subsequent to the executed Contract, clarifications and interpretations of the Contract Documents by the Engineer, and other related documents at the Project Site until all of the Work is accepted by the Engineer.

#### GP-40 CERTIFICATES OF COMPLIANCE

Any certificates required for demonstrating proof of compliance of materials with specification requirements shall be executed in three (3) copies. Each certificate shall be certified by an authorized agent of the supplying company and shall contain the name and address of the Contractor, the project name and location, and the quantity and date of shipment. Copies of laboratory test reports submitted with certificates shall contain the name and address of the testing laboratory and the testing date. The Contractor shall also certify that all materials and test reports conform to the requirements of the Contract. Certification shall not be construed as relieving the Contractor from furnishing satisfactory material if the material is tested and determined to be in nonconformance.

#### GP-41 SUBMITTALS

The Contractor shall review all Submittals for compliance with the requirements of the Contract prior to delivery to the Engineer. Each Submittal shall contain a signed statement by the Contractor that it complies with the Contract requirements with any exceptions explicitly listed. The Contractor shall comply with these requirements for Submittals from Subcontractors, manufacturers, and suppliers.

All Submittals shall include sufficient data to demonstrate that the requirements of the Contract are met or exceeded. All submittals shall be legible and marked with the project title and clearly identify the item submitted. Each submittal package shall include an itemized list of the items submitted.

All Submittals will be reviewed within fourteen (14) days after being received by the Engineer. The Contractor shall allow the Engineer sufficient time for review, corrections, and resubmission of all Submittals prior to beginning the associated Work. The Contract Time shall not be extended based on incorrect or incomplete Submittals.

## GP-42 CLAIMS FOR EXTRA COST

The Contractor is expected to complete the Work according to the Contract Price specified in the Bid Documents. If the Contractor deems additional compensation is due for work, materials, delays or other additional costs/or expenses not covered in the Contract or not ordered as extra work, the Contractor shall give the Engineer written notice thereof within fourteen (14) calendar days after the receipt of such instructions and, in any event, before commencing the procedure. The Contractor shall justify the claim for extra cost by providing supporting data and calculations. The Engineer shall determine whether the Contractor is entitled to be compensated for such extra cost and shall make any required adjustments of the Contract in accordance with GP-43. If no written claim is made within this fourteen (14) calendar-day period, the Contractor will be deemed to have waived any claim for extra cost for such work.

Claim for damages or delays of the Work shall not be made by the Contractor for a relocation of the construction operation or portions thereof to other locations within the geographical scope of the project, when in the opinion of the Engineer, such relocation is necessary for the most effective prosecution of the Work and may be accomplished without undue hardship.

## GP-43 ALTERATION OF THE CONTRACT AND COMPENSATION

Using Change Orders, Field Orders, or Written Amendments, the Owner may order extra work or make changes by altering the details of construction, add to or deduct from the Work. The requirements and stipulations of these documents shall be binding on the Owner and Contractor throughout the remainder of the Contract. Any claim for an extension of Contract Time caused thereby shall be adjusted at the time of ordering such change.

The value of any such extra work or change shall be determined in one or more of the following ways and in the following priority:

- a. By application of the unit prices in the Contract to the quantities of the items involved or subsequently agreed upon; or
- b. By mutual acceptance between the Owner and Contractor of a lump sum.

If none of the above methods is agreed upon, the Contractor, provided he is so ordered by the Owner in writing, shall proceed with the Work on a "force account" basis. In such a case, the Contractor shall keep and preserve in such form as the Engineer may direct, a correct itemized account of the direct cost of labor, materials, equipment, together with vouchers bearing written certification by the Contractor. In any case, the Engineer shall certify to the amount, including an allowance of fifteen percent (15%) for jobsite and home office overhead indirect expenses and profit due to the Contractor. Where such change involves a subcontractor, an allowance of fifteen percent (15%) for overhead and profit shall be due the subcontractor and an allowance of ten percent (10%) shall be due the Contractor. Pending final determination of value, payments on account of changes shall be made on the Engineer's estimate and as approved in an executed Change Order.

If the Contractor is prevented from completing the Work according to the Contract Price due to the Owner, the Contractor may be entitled to any reasonable and necessary addition of cost as determined by the Engineer. Neither the Owner nor the Contractor shall be entitled to any

damages arising from events or occurrences which are beyond their control, including but not limited to fires, floods, epidemics, abnormal weather conditions, acts of God, acts of war, and other like matters. The provisions of this section exclude recovery for damages caused by the Contractor and compensation for additional professional services by either party.

#### GP-44 EXTENSION OF CONTRACT TIME

The Contractor is expected to complete the Work within the Contract Time specified in the Bid Documents. A legitimate increase of the Contract time may be requested by the Contractor throughout the course of the Work. This Claim must be submitted to the Engineer in writing within fourteen (14) days of the event which caused the time delay to the Contractor. If an extension of Contract Time involves an increase in Contract Price, both claims shall be submitted together. The Contractor shall justify the increase of the Contract Time in the Claim using supporting data and calculations. The Engineer may deny the claim if there is insufficient information to make a determination. If the Claim is approved, the Engineer shall issue a Change Order within thirty (30) days of the Claim. The Contract Time shall be increased on a basis that is commensurate with the amount of additional or remaining Work. For example, the Contract Time can be increased where the number of actual adverse weather days exceeds the number of days estimated in the Contract.

#### GP-45 OWNER'S RIGHT TO TERMINATE CONTRACT FOR CAUSE OR CONVENIENCE

##### 45.1 TERMINATION FOR CAUSE

The Owner shall submit a written notice to the Contractor and Surety which justifies placement of the Contractor in default if:

- a. The Work is not begun within the time specified in the Notice to Proceed; or
- b. The Work is performed with insufficient workmen, equipment, or materials to assure prompt completion; or
- c. The Contractor performs unsuitable, neglected or rejected work, refuses to remove materials; or
- d. The Work is discontinued; or
- e. The Work is not completed within the Contract Time or time extension; or
- f. Work is not resumed within a reasonable time after receiving a notice to continue;  
or
- g. The Contractor becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency; or
- h. The Contractor allows any final judgment to stand unsatisfied for a period of ten (10) days; or
- i. The Contractor makes an assignment for the benefit of creditors; or

j. The Work is not performed in an acceptable manner.

If the Contractor or Surety does not remedy all conditions cited in the written notice within ten (10) days after receiving such a notice, the Contractor will be in default and the Owner shall remove the Contractor from the Work. If the Contractor is placed into default, the Owner may obtain the necessary labor, materials, and equipment or enter into a new Contract in order to complete the Work. All costs incurred by the Owner for completing the Work under the new Contract will be deducted from the payment due the Contractor. If the expense exceeds the sum payable under the Contract, the Contractor and Surety shall be liable to pay the Owner the difference.

#### 45.2 TERMINATION FOR CONVENIENCE

Owner may, at any time, terminate this Contract or any portion thereof, for Owner's convenience, upon providing written notice to the Contractor. In such case, Contractor shall be paid for all work completed through the date notice was provided (less payments already received) and reasonable demobilization and restocking charges incurred and reasonable overhead and profit based upon industry standards on the work performed. In no event shall the Contractor be entitled to payment of overhead and profit on work not performed. In the event it is determined that the Contractor was wrongfully terminated for cause, pursuant to Section GP 45.1 above, such termination shall be automatically converted to a termination for convenience under and payment made as provided under this Section.

#### GP-46 TEMPORARY SUSPENSION OF WORK

The Engineer shall have the authority to temporarily suspend the Work in whole or in part. A Field Order shall be issued to the Contractor for any of the Work that is suspended for periods exceeding one (1) calendar day. The Field Order shall include the specific reasons and details for the suspension. The Contract Time shall not be extended if the Work is suspended due to failure by the Contractor to comply with a Field Order or with the Plans and Specifications. If the Work is suspended in the interest of the Owner, the Contractor shall make due allowances for the lost time.

#### GP-47 NON-CONFORMING AND UNAUTHORIZED WORK

Work not conforming to the Plans, Specifications, Field Orders, or Change Orders shall not be accepted for payment. Unacceptable or unauthorized work shall be removed and replaced in an acceptable manner at the expense of the Contractor in order to obtain final acceptance of the Work.

If the Contractor should neglect to prosecute the work properly or fail to perform any provision of this Contract, the Owner after seven (7) calendar days written notice to the Contractor, may correct such deficiencies itself or by use of other contractors without prejudice to any other remedy it may have, and may deduct the cost thereof from the payment then or thereafter due to the Contractor.

#### GP-48 CONTRACTOR'S RIGHT TO TERMINATE CONTRACT

The Contractor may terminate the Contract or Work and recover payment from the Owner for labor and materials if the Work is stopped through no act or fault of the Contractor for more than three (3) months. For example, such an occurrence could be caused by a court order or other public authority. In any case, the Contractor shall submit a written notice to the Engineer at the beginning of the occurrence, and a written Claim to the Owner at the end of the occurrence.

#### GP-49 BREACH OF CONTRACT

The Owner shall submit a written Claim to the Contractor regarding any breach of the Contract. The Contractor must provide a written response to the Owner regarding the breach of Contract within ten (10) days after the Claim. This response must provide either an admission to the Claim or a detailed denial based on relevant data and calculations. The failure of the Contractor to provide a proper response within ten (10) days shall result in justification of the Claim by default.

#### GP-50 NO WAIVER OF LEGAL RIGHTS

The Owner shall not be prevented from recovering costs from the Contractor, Surety, or both due to failure of the Contractor to fulfill all of the obligations under the Contract. If a waiver is provided to the Contractor for a breach of Contract by the Owner, it shall not apply to any other breach of Contract. Final acceptance of the Work shall not prevent the Owner from correcting any measurement, estimate, or certificate. The Contractor shall be liable to the Owner without prejudice to the terms of the Contract or any warranty for latent defects, fraud, or gross negligence.

#### GP-51 LIABILITY FOR DAMAGES AND INJURIES

To the fullest extent permitted by Laws and Regulations, the Contractor shall indemnify and hold harmless the Owner, Engineer, and their officers, employees, representatives, and/or agents from all suits, actions, claims, costs, losses, demands, and judgments (including but not limited to fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) brought because of injuries or damage sustained by a person or property due to the operations of Contractor; due to negligence in safeguarding the Work, or use of unacceptable materials in constructing the Work; or any negligent act, omission, or misconduct of the Contractor; or claims or amounts recovered under the Workmen's Compensation Act or other law, ordinance, order, or decree; any money due the Contractor as considered necessary by the Owner for such purpose may be retained for use of the State or in case no money is due, the performance and payment bond may be held until such suits, actions, claims for injuries or damages have been settled and suitable evidence to that effect furnished to the Owner; except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that adequate Workman's Compensation, Public Liability, and Property Damage Insurance are in effect.

The indemnification obligations of the Contractor shall not extend to the liability of the Owner, Engineer, and their affiliates arising out of the preparation or approval of the Plans,

Specifications, maps, opinions, reports, surveys, or Change Orders, or for providing directions or instructions which are the primary cause of the injury or damage.

Should the Owner or Contractor suffer from any injury or damage due to an error, omission, or act of the other party or their legally liable affiliates, a written Claim shall be submitted to the other party within ten (10) days. The Claim shall provide all details regarding the injury or damage, the results of any investigations, and the action to be taken to prevent any reoccurrence.

#### GP-52 LIABILITY FOR LOSSES BY ACTS OF THE GOVERNMENT

The Owner shall not be liable for any loss or damage suffered by the Contractor arising out of a cessation of Work under this Contract due to any act or order of any local, state, or federal government agency. If this cessation occurs, the Contractor may request an extension of the Contract Time according to the provisions in GP-44.

#### GP-53 SUBSTANTIAL COMPLETION

Upon notice from the Contractor that it believes the project has reached substantial completion, and before final acceptance, the Engineer will make an inspection of the Work. "Substantial Completion" is defined as the date on which the Work is complete in accordance with the Contract Documents in order that the Owner can occupy and use the project for its intended use. The date of Substantial Completion shall be specified in the Notice of Acceptance.

If the Owner or its representative determines the Project is substantially complete, the Owner will issue a Notice of Acceptance identifying the date the Project reached Substantial Completion and attach a punch list, if applicable, identifying the remaining items that must be completed before final payment. The Contractor shall then file the executed Notice of Acceptance with the Clerk of Court in the Parish where the work is performed and shall forward one complete copy of the recorded acceptance to the Owner and Engineer.

If the inspection discloses any work as being unsatisfactory or incomplete and such work generates a formal punch list, the Engineer will give the Contractor instructions for correction of same, and the Contractor shall immediately comply with such instructions. Upon satisfactory completion of the corrections, when a "Punch List" is generated, the Engineer shall prepare a "Recommendation of Acceptance" incorporating the punch list and submit to the Owner. Upon approval of the Recommendation of Acceptance, the Owner may issue a Notice of Acceptance of the Contract which shall establish the date of Substantial Completion.

Any punch list generated by the Engineer shall be accompanied by a cost estimate to correct the particular items of work the Engineer has developed. The cost estimate shall be developed based on mobilization, labor, material, and equipment costs of correcting each punch list item and shall be retained from monies owed to the Contractor, above and beyond the standard retainage. The Engineer shall retain his working papers used to determine the punch list items cost estimates should the matter be disputed later. The Owner shall not withhold from payment more than the value of the punch list. Punch list items completed shall be paid upon the expiration of the forty-five (45) day lien period. After that payment,



none of the remaining funds shall be due the Contractor until all punch list items are completed and are accepted by the Engineer.

If the dollar value of the punch list exceeds the amount of funds, less retainage amount, in the remaining balance of the Contract, the Project shall not be accepted as Substantially Complete. If the funds remaining are less than required to complete the punch list work, the Contractor shall pay the difference. The provisions listed above shall not be subject to waiver.

Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work/project as provided in the Notice of Acceptance, unless otherwise agreed to in writing by the Owner and Contractor. In the instance where the Owner has accepted the Work/project as substantially complete and issued a Notice of Acceptance, and the Contractor must remain on the premises to complete the "Punch List" or for whatever reason, the Contractor shall maintain Commercial General Liability insurance, Auto Liability insurance and Worker's Compensation insurance as set forth herein until the expiration of the forty-five (45) day lien period or upon the completion of the work/project, whichever is later. Builder's Risk insurance, if applicable, may be cancelled only with the written permission of the Owner or the Owner's representative at Substantial Completion.

If the punch list is not completed within forty-five (45) days, through no fault of Owner or Engineer, the Owner may, but is not required, to place the Contractor in default. Thereafter, the Owner shall notify the Surety. If the Surety has not completed the punch list within forty-five days of receipt of notification, the Owner may, but is not required to, complete the remaining punch list items. Any costs incurred shall be paid for first out of any remaining Contract funds. If the costs incurred exceed the remaining Contract funds, the Contractor and its Surety shall be liable for such costs.

Upon completion of the punch list, Contractor shall request Final Inspection.

#### GP-54 FINAL INSPECTION AND ACCEPTANCE

Whenever the work provided for, or contemplated by the contract, have been satisfactorily completed, all punch list items completed and the final cleaning up is performed, the Engineer shall be notified in writing that said work is completed and ready for final inspection. The Engineer shall, unless otherwise provided, make the final inspection within a reasonable length of time after the receipt of such notification.

If all construction provided for in the contract is found completed to the Engineer's satisfaction, that inspection shall constitute the final inspection and the Engineer will make recommendation to the Owner for final acceptance and notify the Contractor in writing of this recommendation of acceptance.

#### GP-55 AS-BUILT DRAWINGS

The Contractor shall submit all originals and copies of the As-Built Drawings to the Engineer for review and acceptance in accordance with the Special Provisions. The As-Built Drawings shall provide complete data for quantities, dimensions, specified performance and design criteria, and similar items which clearly represent the services, materials, and equipment the

Contractor has provided. All revision sheets shall be clearly stamped with the words “As-Built”.

#### GP-56 COMPLETION OF CONTRACT

Notwithstanding any other provision of this Contract and all applicable and necessary time delays under Louisiana law, completion of the Contract requires all of the Work to be complete, inspected by the Engineer, accepted by the Owner as recommended by the Engineer, and after final payment is made. After the Contract is complete, the Contractor will then be released from further obligation except as set forth in the Contract Bond and Contractor’s Guarantee.

#### GP-57 CONTRACTOR’S GUARANTEE

The Contractor is obligated to provide a written guarantee to the Owner that all of the Work conforms to the Contract Documents. The Work shall be guaranteed to survive for a minimum period of 1 year after final acceptance, unless otherwise specified in the Technical Specifications.

a. The guarantee shall include:

- 57.a.1 A written warranty by the manufacturer for each piece of installed project equipment or apparatus furnished under the Contract.
- 57.a.2 Any necessary repair or replacement of the warranted equipment during the guarantee period at no cost to the Owner.
- 57.a.3 Satisfactory operation of installed equipment including, but not limited to, any mechanical and electrical systems furnished and constructed under the Contract during the guarantee period. The Contractor shall repair all equipment which fails due to defective materials or faulty workmanship during the guarantee period. The Contractor shall also be liable for all other ancillary expenses incurred by the Owner due to the failure.

b. The guarantee shall exclude defects or damage caused by:

- 57.b.1 Abuse or improper modification, maintenance, or operation by anyone other than the Contractor; or
- 57.b.2 Wear and tear under normal usage.

c. This obligation by the Contractor shall be absolute. The following actions will not constitute acceptance of non-conformance Work or release the Contractor from obligation to furnish the Work in accordance with the Contract Documents:

- 57.c.1 Observations by the Owner or Engineer; or
- 57.c.2 Recommendations by the Engineer or payment by the Owner; or
- 57.c.3 Use of the Work by the Owner; or

- 57.c.4 Issuance of a notice of acceptance by the Owner pursuant to the provisions of GP-53, or failure to do so; or
- 57.c.5 Any inspection, test, or approval by others; or
- 57.c.6 Any correction to non-conforming work by the Owner.

#### GP-58 DISPUTE RESOLUTION

The parties shall use their best efforts to resolve all disputes in an amicable fashion. Prior to filing suit by either party with respect to any claims, or disputes arising between the parties, the disputes shall be submitted first to non-binding mediation. The mediation shall be conducted in accordance with the Construction Industry Mediation Rules of the American Arbitration Association. If the parties cannot agree to a private mediator, then the mediator shall be selected by the American Arbitration Association, upon the filing of a demand for mediation.

If the dispute is not resolved by mediation within 60 days from the request for mediation, then either party may institute legal proceedings. Any litigation involving the Owner and arising under or related to the Contract or the bidding or award thereof shall be instituted exclusively in the 19<sup>th</sup> Judicial District Court in and for the Parish of East Baton Rouge, State of Louisiana.

#### GP-59 PAYMENT

The Owner hereby agrees to pay to the Contractor as full compensation for all work performed under the contract, and/or supplemental agreements thereto, the monetary value of the actual quantities in the completed work according to the schedule of unit prices and/or lump sum prices set forth in attached bid proposal and/or duly authorized supplements thereto, and made a part of the Contract.

Partial payments under the Contract shall be made at the request of the Contractor not more than once each month, based upon partial estimates agreed to by the Contractor and Engineer and shall be furnished to the Engineer and approved by the Engineer prior to transmittal to the Owner for approval and payment.

The partial estimates will be approximately stated, and all partial estimates and payments shall be subject to corrections in the estimate rendered following the discovery of any error in any previous estimates.

The payment of the partial estimate shall be taken as verification that the work has been performed and that its quality is satisfactory, however it will in no way serve as a release to the Contractor for the responsibility of any portions thereof. The work and any particulars relating thereto shall be subject to revision and adjustment by the Engineer and/or the Owner at any time prior to final payment, regardless of any previous action taken.

There shall be reserved from the payments provided for the Contract ten percent (10%) for contracts less than \$500,000 or five percent (5%) for contracts of \$500,000 or more, of the estimates submitted, said sum to constitute a trust fund for the protection of and payment to

any person or persons, mechanic, subcontractor or materialmen who shall perform any labor upon such contract, or the doing of said work, and all persons who shall supply such person or persons or subcontractors with provisions and supplies for the carrying on of such work, and shall be withheld for a minimum of forty-five (45) calendar days after final acceptance of the completed contract.

After the expiration of the forty-five (45) calendar day period, the reserve in excess of a sum sufficient to discharge the claims of materialmen and laborers who have filed their claims, together with a sum sufficient to defray the cost of such action and to pay attorneys' fees, shall be paid to the Contractor.

The Contractor shall be responsible for obtaining and furnishing a clear lien and privilege certificate to the Owner at the expiration of the retainage period, and prior to payment of any reserve withheld.

#### GP-60 PAYMENTS WITHHELD

In addition to the percentage provided for in Section GP-59 of these General Provisions and in accordance with any other provision of this Contract, the Owner may withhold such amounts from any payment as may be necessary to protect himself from loss on account of:

- a) Defective work not remedied;
- b) Claims filed or reasonable evidence indicating probable filing of claims;
- c) Failure of the Contractor to make payments properly to subcontractors or for material or labor;
- d) Reasonable evidence that the Work will not be completed within the Contract time and that the unpaid balance would not be adequate to cover damages for the anticipated delay;
- e) A reasonable doubt that the contract can be completed within the time period remaining under the contract;
- f) Damage to another contractor;
- g) Failure to submit required reports; or
- h) Modifications of the contract which necessitate the execution of change orders prior to payment of funds.

Furthermore, nothing contained in this Section shall be deemed to limit the right of the Owner to withhold liquidated damages, as stated in the Instructions to Bidders and as permitted under Section SP-8 of the Special Provisions, from any amounts which may be due and owing the Contractor for work performed under the contract.

#### GP-61 LIENS

Neither the final payment nor any part of the retained percentage shall come due until the Contractor shall deliver to the Owner a complete release of all liens arising out of this contract, or receipts in full in lieu thereof, and, if required by the Owner, an affidavit that so far as he has knowledge or information, the releases and receipts include all labor and material for which a lien could be filed; but if any subcontractor refuses to furnish a release or receipt in full, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against any lien, construction cost, or attorney's fees.

#### GP-62 EQUAL EMPLOYMENT OPPORTUNITY

The State of Louisiana is an equal opportunity employer, and looks to its Contractor, subcontractors, vendors and suppliers to take affirmative action to effect this commitment in its operations.

By submitting the bid proposal and executing the Contract, the Contractor agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veterans Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, and the Age Act of 1975, and the Contractor agrees to abide by the requirements of the Americans with Disabilities Act of 1990.

The Contractor agrees not to discriminate in its employment practices, and will render services the Contract, without regard to their race, age, color, religion, sex, national origin, veteran status, political affiliation or disabilities. Any act of discrimination committed by the Contractor, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of the Contract.

#### GP-63 ANTI-KICKBACK CLAUSE

The Contractor agrees to adhere to the mandate dictated by the Copeland "Anti-Kickback" Act which provides that each contractor or subcontractor shall be prohibited from inducing, by any means, any person employed in the completion of the work, to give up any part of the compensation to which he is otherwise entitled.

#### GP-64 SUSPENSION/DEBARMENT

Contractor certifies, by signing and submitting any bid, that their company, any subcontractors, or principals are not suspended or debarred by the General Services Administration (GSA) in accordance with the requirements in OMB Circular A-133. A list of parties who have been suspended or debarred can be viewed via the internet at [www.epls.gov](http://www.epls.gov).

Contractor agrees to secure from any contractor(s) and subcontractor(s) for the captioned project, certification that such contractor(s) and subcontractor(s) are not suspended, debarred or declared ineligible from entering into contracts with any department or agency of the Federal Government or of the State of Louisiana, or in receipt of a notice of proposed debarment or suspension.

Contractor shall provide immediate notice to Owner in the event of it or its contractor(s) or any subcontractor(s) being suspended, debarred or declared ineligible by any department or agency of the Federal Government or of the State of Louisiana, or upon receipt of a notice of a proposed debarment or suspension, either prior to or after execution of this Contract.

Upon receipt of notice of suspension, debarment, or declaration that Contractor or its contractor(s) or any subcontractor(s) is/are ineligible to enter into contracts with any department or agency of the Federal Government or of the State of Louisiana, either prior to or after execution of this Contract, Owner reserves the right to review cause for said debarment, suspension, or declaration of ineligibility, and to terminate this Contract pursuant to the terms of GP-45 OWNER'S RIGHT TO TERMINATE CONTRACT FOR CAUSE OR CONVENIENCE, or take such other action it deems appropriate under this Contract.

#### **GP-65 LOUISIANA FIRST HIRING ACT**

Contractor shall comply with the Louisiana First Hiring Act (La. R.S. 39:2201-2204), which requires that within ten (10) days of executing the Contract, Contractor shall submit the following information to the Louisiana Workforce Commission:

65.a.1 The number and types of jobs anticipated for the Work.

65.a.2 The skill level of the jobs anticipated for the Work.

65.a.3 The wage or salary range for each job anticipated for the Work.

65.a.4 Methods, if any, that the Contractor will use to recruit unemployed persons or person employed in low wage jobs to fill job openings for the Work.

#### **END OF PART I - GENERAL PROVISIONS**

## **PART II SPECIAL PROVISIONS**

### **SP-1 LOCATION OF WORK**

The BA-23 project site is located within Jefferson Parish, approximately 4.5 miles south of Lafitte, at the end of an oilfield access canal on the west side of the Dupre Cut. The project site is only accessible by boat. The nearest boat launch is C&M Bayou Fuel & Marina at 4932 Kenal Road in Lafitte, Louisiana. CPRA recommends using this launch as a drop-off and pick-up point for any meetings or site visits. Directions to this boat launch are shown in Appendix D.

### **SP-2 WORK TO BE DONE**

The Contractor shall provide all labor, materials, and equipment necessary to perform the Work. The Work shall include, but not be limited to, mobilization and demobilization to the Project Site, hazard and construction surveys, placement of fill and riprap, and slip lining of the existing culverts. The Work shall be performed in accordance with these Specifications and in conformity to the lines, grades, and elevations shown on the Plans or as directed by Engineer. Quantity calculations, layouts, shop drawings, and construction sequencing of these items shall be provided in the Work Plan. The major tasks associated with the Work are described as follows:

- 2.1 Mobilization and Demobilization - Mobilization and set-up, demobilization, and cleanup.
- 2.2 Surveying – Prior to construction, the Construction Contractor shall perform a magnetometer survey along the access channel centerline to verify pipeline or obstruction locations and ensure no submerged/underground hazards exist within the access channel. Initial and process surveys shall be performed within the construction area. After construction is complete, the Construction Contractor shall develop an As-Built Survey, which shall be reviewed by the Engineer for acceptance of the Work.
- 2.3 Use of Equipment – The equipment used for the Work shall be operated within the boundaries of the Project Site (includes pipeline corridors) and away from existing vegetated wetlands or any other sensitive areas. The Construction Contractor shall be responsible for returning all disturbed wetlands to pre-existing conditions at no expense to the Owner.
- 2.4 55 Lb.-Class Rock – Installation of 55 lb.-class rock includes all work necessary to transport rock to the site and place rock where required by the plans.
- 2.5 Earthen Fill – Procurement, handling, and placement of fill material where required by the plans. The contractor shall specify the size and type of equipment used to perform the Work in the Dredge Data Sheet and Work Plan.
- 2.6 Woven Geotextile Fabric – Procurement and installation of fabric where required by the plans.
- 2.7 Culvert Slip Lining – Installation of slip lined pipe into existing culverts as required by the plans. Item includes bulkheading and grouting of the culvert annular space.
- 2.8 Dewatering – Installation of cofferdam and dewatering of the structure shall be performed as necessary to complete the culvert slip lining. A description of the methods and materials to

be used shall be included in the Work Plan.

- 2.9 Site Examination – The Contractor shall be required to examine the Project Site and to be familiar with the site conditions. Material such as logs, stumps, tires, scrap, debris, and other obstructions may be encountered within the Project Site. No consideration shall be given to any claims for additional payments based on the failure of the Contractor to inspect the project site.
- 2.10 Existing Features – 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 excavation operations are to be performed. The Owner will not be held responsible for damage to the Contractor's equipment, employees, Subcontractors, adjacent property owners, or anyone else connected with the project due to encountering objects above and below the water line.

Existing features, where indicated on the Plans, are shown only to the extent such information was made available to or discovered by the Engineer during preparation of the Plans. There is no guarantee as to the accuracy or completeness of such information, and all responsibility for the accuracy and completeness is expressly disclaimed. If the Contractor fails to discover an underground installation and damages the same, he shall be responsible for the cost of the repair.

The Contractor shall call **Louisiana One Call** at **1-800-272-3020** at least **five (5) working days** prior to mobilization to locate any unknown utility lines in the area.

- 2.11 Permits - The Owner has obtained a Coastal Use Permit from the Louisiana Department of Natural Resources, Coastal Management Division, a 404 Permit from the U.S. Army Corps of Engineers, and a Water Quality Certification from the Louisiana Department of Environmental Quality (See Appendix B). The Construction Contractor shall be responsible for complying with all provisions and conditions contained therein. The permits do not relieve the responsibility of the Contractor from obtaining any additional permits that may be needed to complete the Work. Copies of all additional permits obtained by the Contractor must be submitted to the Owner.

### SP-3 BID ITEMS, CONTRACT DATES, AND DELIVERABLES

Milestone	Location or Recipient	Date Due
Bid Advertisement	Publication	As advertised
Mandatory Pre-Bid Conference and Site Visit (GP-5)	Provided in Notice to Bidders	Provided in Notice to Bidders
Questions on Bid Documents (GP-5)	CPRA email address provided in Notice to Bidders	<b>Seven (7)</b> days prior to bid opening.
Effective Date of Agreement	Contractor and Owner	Stated in Notice of Award
Start of Contract Time	Contractor and Owner	As stated in Notice to



<b>Milestone</b>	<b>Location or Recipient</b>	<b>Date Due</b>
		Proceed
List of all Subcontractors (GP-19)	Engineer	Prior to awarding any subcontracts
Superintendent Qualifications (GP-20)	Engineer	Prior to construction
Work Plan (GP-8)	Engineer	<b>14 days</b> prior to Pre-Construction Conference
Progress Schedule (GP-9)	Engineer	At least <b>14 days</b> prior to starting construction, monthly thereafter
Daily Progress Report	Engineer	Draft due by 12:00 pm the following work day of each day from mobilization to demobilization
Pre-Construction Conference (GP-14)	Contractor and Engineer	As determined by the Engineer after the Notice to Proceed is issued
Progress Meetings and Reports (GP-13, GP-39)	Engineer	Bi-weekly or as determined at the Pre-Construction Conference
Preconstruction Survey	Engineer	After the Notice to Proceed but prior to beginning of construction.
Process Survey #1	Engineer	Following placement of earth fill.
Process Survey #2	Engineer	Following placement of 55 lb.-class rock.
As-Built Survey and As-Built Drawings	Engineer	Prior to Final Inspection as Scheduled by the Engineer
Written Notice of Completion of Work (GP-53)	Engineer	Minimum <b>five (5)</b> working days prior to anticipated completion of the Work
End of Contract Time	Contractor and Owner	<b>90</b> calendar days after Notice to Proceed

#### SP-4 ADDRESSES FOR DOCUMENT DELIVERY

Prior to Bid opening date, the Contractor shall send all questions and requests for clarification or interpretation of the Bid Documents in writing to the attention of Renee McKee of the Coastal Protection and Restoration Authority. The address and contact information is as follows:

Coastal Protection and Restoration Authority (CPRA)  
450 Laurel Street, Suite 1501  
Baton Rouge, LA 70801  
Attn : Renee McKee  
Phone: 225-342-0811  
Fax: 225-342-4674  
Email: cpra.bidding@la.gov

After execution of the contract between Owner and Contractor, the successful Contractor shall contact the Engineer concerning bid documentation or questions. The addresses and contact information for the Engineer are listed as follows:

Luke Prendergast, E.I.  
2045 Lakeshore Drive, Suite 309  
New Orleans, LA 70122  
Phone: 504-280-1005  
Fax: 504-280-4066

The Owner and Engineer shall deliver all written Claims, Notices, Submittals, Plans, and other documents to the Contractor at the address indicated on the Bid.

#### SP-5 INSURANCE AND BONDS

The Contractor shall purchase and maintain without interruption, for the duration of the contract, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work hereunder by the Contractor, its agents, representatives, employees or subcontractors. The duration of the contract shall be from the inception of the contract until the date of final payment.

##### 5.1 Minimum Scope and Limits of Insurance

###### 5.1.1 Worker's Compensation

Worker's Compensation insurance shall be in compliance with the Worker's Compensation law of the State of Louisiana. Employers Liability is included with a minimum limit of \$500,000 per accident/per disease/per employee. If Work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act or other maritime law coverage shall be included and the Employers Liability limit increased to a minimum of \$1,000,000. A.M. Best's insurance company rating requirement may be waived for Worker's compensation coverage only.

###### 5.1.2 Commercial General Liability

Commercial General Liability insurance, including Personal and Advertising Injury Liability and Products and Completed Operations Liability, shall have a minimum limit per occurrence based on the project value. The Insurance Services Office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims-made form is unacceptable.

The aggregate loss limit must apply to each project. ISO form CG 25 03 (current form approved for use in Louisiana), or equivalent, shall also be submitted. The State project number, including part number, and project name shall be included on this endorsement.

#### **COMBINED SINGLE LIMIT (CSL) PER OCCURRENCE**

The required minimum combined single limit amount of insurance shall be as provided below:

<b><u>Initial Contract Amount</u></b>	<b><u>Minimum Insurance</u></b>
<b>Up to \$1,000,000</b>	<b>\$1,000,000</b>
<b>From \$1,000,001 to \$2,000,000</b>	<b>\$2,000,000</b>
<b>Over \$2,000,000</b>	<b>\$5,000,000</b>

##### **5.1.3 Automobile and Watercraft Liability**

Automobile Liability Insurance and Watercraft Liability Insurance shall have a minimum combined single limit per occurrence of \$1,000,000. ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned automobiles and/or watercraft. If any non-licensed motor vehicles and/or watercraft are engaged in operations within the terms of the contract on the site of the work to be performed thereunder, such insurance shall cover the use of any such vehicles.

NOTE: If the Contractor does not own an automobile and/or watercraft and such vehicles are utilized in the execution of the contract, then hired and non-owned coverage is acceptable. If an automobile and/or watercraft is not utilized in the execution of the contract, then automobile and/or watercraft coverage is not required.

##### **5.1.4 Excess Umbrella**

Excess Umbrella Insurance may be used to meet the minimum requirements for General Liability, Automobile Liability, and Watercraft Liability only.

##### **5.1.5 Pollution Liability (*required when asbestos or other hazardous material abatement is included in the contract*)**

Pollution Liability insurance, including gradual release as well as sudden and accidental, shall have a minimum limit of not less than \$1,000,000 per claim. A claims-made form will be acceptable. A policy period inception date of no later than the first day of anticipated Work under this contract and an expiration date of no earlier than 30 days after anticipated completion of all Work under the contract shall be provided. There shall be an extended reporting period of at least 24 months, with full reinstatement of limits, from the expiration date of the policy. The policy shall not be cancelled for any reason, except non-payment of

premium.

#### 5.1.6 Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and accepted by the Owner. The Contractor shall be responsible for all deductibles and self-insured retentions.

### 5.2 Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

#### 5.2.1 Worker's Compensation and Employers Liability Coverage

The insurer shall agree to waive all rights of subrogation against the Owner, its officers, agents, employees, and volunteers for losses arising from Work performed by the Contractor for the Owner.

#### 5.2.2 General Liability Coverage

The Owner, its officers, agents, employees and volunteers are to be added as additional insureds as respects liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor, premises owned, occupied or used by the Contractor. ISO Form CG 20 10 (current form approved for use in Louisiana), or equivalent, is to be used.

The Contractor's insurance shall be primary as respects the Owner, its officers, agents, employees and volunteers. The coverage shall contain no special limitations on the scope of protection afforded to the Owner, its officers, officials, employees or volunteers. Any insurance or self-insurance maintained by the Owner shall be excess and non-contributory of the Contractor's insurance.

The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the policy limits.

#### 5.2.3 All Coverages

Coverage shall not be canceled, suspended, or voided by either party (the Contractor or the insurer) or reduced in coverage or in limits except after 30 days written notice has been given to the Owner. Ten-day written notice of cancellation is acceptable for non-payment of premium. Notifications shall comply with the standard cancellation provisions in the Contractor's policy.

Neither the acceptance of the completed Work nor the payment thereof shall release the Contractor from the obligations of the insurance requirements or indemnification agreement.

The insurance companies issuing the policies shall have no recourse against the Owner for payment of premiums or for assessments under any form of the policies.

Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Owner, its officers, agents, employees and volunteers.

#### 5.2.4 Acceptability of Insurers

All required insurance shall be provided by a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located. Insurance shall be placed with insurers with an A.M. Best's rating of **A-:VI or higher**. This rating requirement may be waived for Worker's compensation coverage only.

If at any time an insurer issuing any such policy does not meet the minimum A.M. Best rating, the Contractor shall obtain a policy with an insurer that meets the A.M. Best rating and shall submit another certificate of insurance as required in the contract.

#### 5.2.5 Verification of Coverage

Contractor shall furnish the Owner with Certificates of Insurance reflecting proof of required coverage. The Certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The Certificates are to be received and approved by the Owner before Work commences and upon any contract renewal thereafter.

The Certificate Holder must be listed as follows:

Name of Owner

Owner Address

City, State, Zip

Attn: Project # \_\_\_\_\_

In addition to the Certificates, Contractor shall submit the declarations page and the cancellation provision endorsement for each insurance policy. The Owner reserves the right to request complete certified copies of all required insurance policies at any time.

Upon failure of the Contractor to furnish, deliver and maintain such insurance as above provided, this contract, at the election of the Owner, may be suspended, discontinued or terminated. Failure of the Contractor to purchase and/or maintain any required insurance shall not relieve the Contractor from any liability or indemnification under the contract.

If the Contractor does not meet the insurance requirements at policy renewal, at the option of the Owner, payment to the Contractor may be withheld until the requirements have been met, OR the Owner may pay the renewal premium and withhold such payment from any monies due the Contractor, OR the contract may be suspended or terminated for cause.

#### 5.2.6 Subcontractors

Contractor shall include all subcontractors as insureds under its policies OR shall be responsible for verifying and maintaining the certificates provided by each subcontractor. Subcontractors shall be subject to all of the requirements stated herein. The Owner reserves the right to request copies of subcontractor's certificates at any time.

If Contractor does not verify subcontractors' insurance as described above, Owner has the right to withhold payments to the Contractor until the requirements have been met.

#### 5.2.7 Worker's Compensation Indemnity

In the event Contractor is not required to provide or elects not to provide Worker's compensation coverage, the parties hereby agree the Contractor, its Owners, agents and employees will have no cause of action against, and will not assert a claim against, the State of Louisiana, its departments, agencies, agents and employees as an employer, whether pursuant to the Louisiana Worker's Compensation Act or otherwise, under any circumstance. The parties also hereby agree that the State of Louisiana, its departments, agencies, agents and employees shall in no circumstance be, or considered as, the employer or statutory employer of Contractor, its Owners, agents and employees. The parties further agree that Contractor is a wholly independent Contractor and is exclusively responsible for its employees, Owners, and agents. Contractor hereby agrees to protect, defend, indemnify and hold the State of Louisiana, its departments, agencies, agents and employees harmless from any such assertion or claim that may arise from the performance of this contract.

#### 5.2.8 Indemnification/Hold Harmless Agreement

Contractor agrees to protect, defend, indemnify, save, and hold harmless, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees and volunteers, from and against any and all claims, damages, expenses and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of Contractor, its agents, servants and employees, or any and all costs, expenses and/or attorney fees incurred by Contractor as a result of any claims, demands, suits or causes of action, except those claims, demands, suits or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent.

#### 5.3 Performance and Payment Bond

##### **Recordation of Contract and Bond [38:2241A(2)]**

The Contractor shall record within thirty (30) days the Contract Between Owner and Contractor and Performance and Payment Bond with the Clerk of Court in the Parish(s) in which the Work is to be performed. The Contractor shall obtain a Certificate of Recordation from the Clerk of Court and forward this Certificate immediately to the Coastal Protection and Restoration Authority contact person listed in the Advertisement for Bids. No requests for payment will be processed until receipt of the Certificate of Recordation.

### SP-6 PRE-CONSTRUCTION CONFERENCE

The Engineer will establish the time, date, and location of the pre-construction meeting after execution of the contract. The Engineer will prepare an agenda, preside over the meeting, and distribute a transcript of proceedings to participating parties.

#### 6.1 Conference Agenda

The pre-construction conference agenda will include, but will not be limited to, the following:

- 6.1.1 Designation of responsible personnel;
- 6.1.2 Subcontractor's responsibilities;
- 6.1.3 Progress schedule;
- 6.1.4 Contract Time;
- 6.1.5 Processing of Shop Drawings;
- 6.1.6 Processing of field decisions and Change Orders;
- 6.1.7 Progress Meetings;
- 6.1.8 Processing and Scheduling of payments;
- 6.1.9 Contractor responsibility for first-aid;
- 6.1.10 Security;
- 6.1.11 Housekeeping;
- 6.1.12 Record Drawings;
- 6.1.13 Letter of Notice to Proceed;
- 6.1.14 Emergency Contacts;
- 6.1.15 Any other Project related items.

## SP-7 DELIVERABLES

### 7.1 Prior to Construction:

The Contractor shall provide the following information to the Engineer prior to the Pre-Construction Conference specified in GP-14:

- 7.1.1 Work Plan as specified in GP-8;
- 7.1.2 Progress Schedule as specified in GP-9;
- 7.1.3 Copy of Daily Progress Report as specified in GP-10;
- 7.1.4 Hurricane and Severe Storm Plan as specified in GP-11;
- 7.1.5 Health and Safety Plan as specified in GP-12.

### 7.2 During Construction:

The Contractor shall deliver copies of the following documents upon request by the Engineer, or as specified in these provisions:

- 7.2.1 Progress Schedule as specified in GP-9;
- 7.2.2 Daily Progress Reports as specified in GP-10;
- 7.2.3 Copies of all inspection reports;
- 7.2.4 All Change Orders, Field Orders, Claims, Clarifications, and Amendments;
- 7.2.5 Administrative Records

### 7.3 Post Construction:

The Contractor shall contact the Engineer by phone, a **minimum of five (5) working days** prior to the anticipated completion of the Work in order to schedule the final inspection and gain Acceptance by the Engineer. Prior to the final inspection, the Contractor shall deliver copies of the following documents to the Engineer:

- 7.3.1 As-Built Survey as specified in TS-2.4;
- 7.3.2 As-Built Drawings as specified in GP-55 and SP-14.

## SP-8 FAILURE TO COMPLETE ON TIME

For each day the Work remains incomplete beyond the Contract Time, as specified in SP-3, or Extension of Contract Time, as specified in GP-44, **\$1,500** per calendar day will be deducted from any money due to the Contractor as liquidated damages. The Contractor and Surety shall be liable for any liquidated damages that are in excess of the amount due the Contractor.



## SP-9 TRANSPORTATION

The Contractor shall provide a safe and reasonable means of transportation to and from the marine access structure, staging area, and Project Site for the Engineer, the Resident Project Representative, and the Federal Sponsor throughout the Work. The schedule and pickup location shall be arranged by the Engineer and the Contractor prior to mobilization. Upon request, overnight room and board shall be provided to these personnel by the Contractor if adequate facilities are available. The Contractor shall provide access to a boat for use by the Engineer and/or Resident Project Representative to inspect the Project Site during the Work. The boat shall have the following features:

- 9.1 Coast Guard certified;
- 9.2 Operable marine radio;
- 9.3 All safety equipment required by the Coast Guard for the size and type of that boat;
- 9.4 Draft of two feet (2') or less.

The Contractor shall supply the fuel and maintain the boat. All mechanical malfunctions of the boat shall be repaired within twelve (12) hours. In the event that the Contractor refuses, neglects, or delays compliance with the requirements of this provision, the Owner may obtain and use other necessary boats at the expense of the Contractor. The costs associated with providing the boats shall be included in the lump sum price for Bid Item No. 1, "Mobilization and Demobilization".

## SP-10 LANDOWNER AND PIPELINE REQUIREMENTS

The Owner has obtained all temporary easement, servitude, and right-of-way agreements required for construction of the project. 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, judgments, 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.

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 all access channels, borrow areas, and placement areas via magnetometer survey and probing if necessary. The Contractor shall notify the following pipeline operator **2 business days** prior to excavating or dredging within 50' of their pipeline or well platform:

6" Pipeline  
Robert Helm  
Sabalo Energy  
Phone: 361-844-6035  
Email: rhelm@sabaloenergy.com

The Contractor's equipment shall remain floating at all times across pipelines and respective rights-of-way.

#### SP-11 OYSTER LEASE RESTRICTIONS

There are no known existing oyster leases near or within the boundaries of the Project Site; therefore, no oyster lease restrictions are provided for performing the Work within the boundaries of the Project Site.

#### SP-12 NAVIGATION

All operations in connection with the Work shall be in accordance with Subsection 107.09, Waters and Wetlands, of the latest edition of the Louisiana Standard Specification for Roads and Bridges. Failure of the Contractor to familiarize himself with all terms, conditions, and provisions of the rules and regulations applicable to the Work shall not relieve him of this responsibility under the Contract. Navigable depths shall not be impaired except as allowed by laws regulating navigation in the area. Dredging of flotation channels shall not be permitted for this project. It is the responsibility of the Contractor to select equipment that can navigate from a maintained navigation channel to the Project Site without dredging or deepening the existing water bottom. All equipment shall remain floating at all times during transit to the Project Site. The Contractor shall obtain NOAA Nautical Charts and/or other charts to become familiar with the depths in the vicinity of the Project Site.

#### SP-13 OFFICE FOR ENGINEER/RESIDENT PROJECT REPRESENTATIVE

The Contractor shall provide an office for the Engineer's representative at the Project Site or staging area. This office shall be for the sole use of the Engineer's representative, suitably sized, provided with lighting, heat, air conditioning, and internet connection. The office furnishings shall include a work table, drafting table, stool, and two chairs.

In the event that Contractor refuses, neglects, or delays compliance with the requirements of this provision, Owner may obtain and use another necessary office for the Engineer's representative at the expense of the Contractor. The cost for providing and furnishing this office shall be included in the contract lump sum price for Bid Item No. 1, "Mobilization and Demobilization."

#### SP-14 AS-BUILT DRAWINGS

Prior to the Final Inspection, the Contractor shall prepare and submit to the Engineer a set of As-Built drawings which shall incorporate the data collected from the As-Built Survey, all field changes, change orders, and final quantities of material placed. Any field adjustments to the project features including alignment, profiles, and/or elevations shall be identified on the plan views and sections as appropriate. All revisions to the Contract Drawings (Plans) shall be marked in red and be easily distinguishable from the original design. Markings may be performed by hand if done in a professional and legible manner. The work described in this section shall be performed at no direct pay.

#### **SP-15 THREATENED AND ENDANGERED SPECIES**

The U.S. Army Corps of Engineers permit for this project identifies West Indian Manatees as a threatened and endangered species which has the potential to exist within the boundaries of the Project Site. The Contractor shall review and comply with the “Standard Manatee Conditions for In-Water Activities” enclosed with the permit approval letter dated June 30, 2015, which is provided in Appendix B.

#### **END OF PART II – SPECIAL PROVISIONS**

### **PART III TECHNICAL SPECIFICATIONS**

#### **TS-1 MOBILIZATION AND DEMOBILIZATION**

- 1.1 **Scope:** The Contractor shall furnish all labor and equipment necessary to move personnel, equipment, supplies and incidentals to and from the Project Site, establish offices, buildings, and other facilities necessary for the Work, obtain bonds, required insurance and any other pre-construction expenses necessary to perform the Work. This section shall exclude the cost of construction materials.
- 1.2 **Arbitrary Mobilization by Contractor:** The Owner shall pay for only one mobilization and demobilization effort. Should the Contractor demobilize prior to completing the Work, subsequent remobilization shall be performed at no cost to the Owner.
- 1.3 **Ratio of Mobilization and Demobilization Effort:** Sixty percent (60%) of the mobilization/demobilization lump sum price will be paid to the Contractor upon complete mobilization to the Project Site. The remaining forty percent (40%) will be paid to the Contractor upon final acceptance of the Work and removal of all equipment and unused materials.
- 1.4 **Justification of Costs:** In the event the unit cost does not bear a reasonable relation to the amount of work for mobilization and demobilization in the Contract, the Engineer may require the Contractor to produce cost data to justify the unit cost in the Bid. Failure to justify such cost to the satisfaction of the Engineer will result in payment of actual mobilization costs, as determined by the Engineer at the completion of mobilization, and actual demobilization cost at the completion of the demobilization, and payment of the remainder of this item in the final payment under this contract. The determination of the Engineer is not subject to appeal.
- 1.5 **Measurement and Payment:** Payment for mobilization and demobilization shall be paid for at the contract lump sum price for Bid Item No. 1, "Mobilization and Demobilization". Payment shall constitute full compensation for moving personnel, equipment, supplies, and incidentals to and from the Project Site and establishing offices, buildings and other facilities for the Work, obtaining bonds, insurance and any other associated expenses related to this item of Work.

#### **TS-2 SURVEYING**

- 2.1 **Scope:** The Contractor shall furnish all of the materials, labor and equipment necessary to perform Pre-construction, Process, and As-Built Surveys of the baseline, earthen embankment, and riprap placement as shown in the Plans. **Pre-construction surveys** are those required to be conducted prior to the commencement of work. **Process surveys** are conducted during construction for quality control, partial payment, and acceptance. **As-built surveys** are post construction surveys to be performed after the completion of all work, or surveys compiled post-construction from approved acceptance Process surveys.

All surveys shall be performed by personnel who are approved by the Engineer under the direct supervision of a professional land surveyor licensed in the state of Louisiana. Survey data shall reference the North American Datum of 1983 (NAD 83), Louisiana South Zone, U. S. Survey Feet for horizontal control, and the North American Vertical Datum of 1988

(NAVD 88), U. S. Survey Feet for vertical control. Horizontal and vertical control shall be established by using the benchmark provided in the plans and shown in Appendix E.

- 2.2 Pre-Construction Survey: The baseline, transects, and benchmark shown on the Plans shall be re-surveyed and staked by the Contractor after the Pre-Construction Conference and prior to construction. This survey shall be used to verify the alignment of the various project features and to make modifications or adjustments as deemed necessary by the Engineer. The limits of existing rip-rap shall be identified and staked for the duration of construction. The Preconstruction Survey shall show the existing bathymetry and topography of the water control structure features in plan and profile using elevations, coordinates, lines, and grades. Contours of the earthen berm and adjacent borrow areas shall be shown in plan using  $\pm 0.5$  foot intervals. Projected quantities of materials shall be developed from this survey by the Contractor. The methodology used to calculate the quantities, such as average end area or CAD surface model, shall be submitted in advance to the Engineer for approval. The quantities of the Earthen Fill shall be calculated in cubic yards. The quantities of the 55 Lb. Class Rock shall be calculated per square yard. All bathymetric surveys must be corrected for tidal fluctuations and wave action to the referenced datum.

The Contractor shall notify the Engineer a minimum of forty-eight (48) hours prior to beginning the Pre-Construction Survey.

- 2.2.1 Temporary Bench Marks (TBMs). The Contractor shall also install additional TBMs as necessary to perform the survey. Horizontal and vertical coordinates shall be determined for all TBMs installed. The Contractor shall maintain the TBMs for the duration of the work. In the event that a single TBM is disturbed and/or destroyed, the TBM may be reinstalled by approved personnel at the expense of the Contractor. If multiple TBMs are destroyed, the Engineer may require the TBMs to be reinstalled by a Professional Surveyor licensed in the State of Louisiana.
- 2.2.2 Baseline: The baseline shall be surveyed and staked at all points of inflection. The baseline shall be shown on the plan view drawings.
- 2.2.3 Transects: Ground elevations and coordinates shall be taken along survey transects at the crown of the earthen berm, at sudden changes in elevation, and at not greater than ten foot ( $\leq 10'$ ) intervals for a distance at least sixty feet ( $60'$ ) beyond the toe of the berm on the side to be improved.
- 2.2.4 Borrow Areas: A profile shall be established along the centerline of the borrow area which extends a minimum of twenty-five feet ( $25'$ ) beyond the boundaries of the borrow area. Perpendicular transects shall be taken to the outside boundaries of the borrow area at ten foot ( $10'$ ) intervals along the centerline profile. Bottom elevations and coordinates shall be recorded at not greater than ten foot ( $\leq 10'$ ) intervals along the borrow area transects and profiles. Any permitted borrow area not intended for use by the Contractor shall not require a survey. If hauled earth fill is utilized exclusively instead of material dredged on-site, then no borrow area surveys are required.

- 2.2.5 Stakes: The stakes shall be untreated wood of sufficient diameter and length such that they are embedded at least three feet into the soil and protrude 5 feet above existing grade if on shore, or 5 feet above mean water elevation if off shore.
- 2.2.6 Magnetometer Survey: A magnetometer survey shall be performed along the access channel from the Barataria Bay Waterway to the water control structure prior to beginning work. Track lines shall be sufficiently spaced to adequately detect pipelines, utilities, or other obstructions. All existing (known or discovered) pipelines located in the access channel or within one hundred fifty feet (150') of the water control structure alignment, fill area, or borrow areas shall be probed for depth of cover to the top of the pipe at one-hundred foot (100') intervals. Pipelines shall be appropriately marked throughout construction according to United States Coast Guard Standards. The magnetometer survey shall show all track lines, coordinates, amplitudes, signature types, and signature widths of all hits. The survey shall also show the coordinates, top elevation, and ground cover for all pipelines.
- 2.3 Process Surveys: The Process Surveys shall be used to verify partial payments, determine Acceptance, and make modifications or adjustments as deemed necessary by the Engineer. The Process Surveys shall show the water control structure features, utilized borrow area(s), and fill placement areas in plan and profile using elevations, coordinates, lines, and grades. Process Survey baseline, transects, and elevation measurement spacing shall be consistent with the Pre-Construction Survey. The plan and profiles from the Process Surveys shall be overlaid onto the Preconstruction Survey and include the date each survey was performed. The Process Survey shall indicate the dredged quantities for each borrow area used and the amount of fill material placed. The calculation methodology used to determine the quantities shall be consistent with the Pre-Construction Survey.
- 2.4 As-Built Surveys: The As-Built Survey shall be used to verify final payment and to make modifications or adjustments as deemed necessary by the Engineer. Completed and approved Process Survey data shall be compiled to form the record As-Built Survey. This survey shall be clearly marked "As-Built" and will show the constructed quantities and project features in plan and profile consistent with the Pre-Construction and Process Surveys. Any borrow areas not used for construction shall be noted accordingly.
- 2.5 Deliverables: The Pre-Construction, Process, and As-Built Surveys shall be stamped by a professional surveyor licensed in the State of Louisiana. The Contractor shall provide the details for the survey layout and stakeout in the Work Plan.

The Pre-Construction survey drawings and projected material quantities shall be submitted to the Engineer for review and approval by the date provided in SP-3. Three copies shall be provided on 11" X 17" paper and one digital copy provided in AutoCAD or an approved equal.

The As-Built Survey and in-place material quantities shall be submitted to the Engineer by the date provided in SP-3 in order to receive acceptance and final payment. Three copies shall be provided on 11" X 17" paper and one digital copy provided in AutoCAD or an approved equal.

Point files of the Pre-Construction and As-Built Surveys shall be included in the digital copies and shall contain the following information:

- 2.5.1 Point number;
  - 2.5.2 Northing (NAD 83 US. FT.);
  - 2.5.3 Easting (NAD 83 US. FT.);
  - 2.5.4 Elevation (NAVD 88 FT.);
  - 2.5.5 Description.
- 2.6 Measurement and Payment: Payment for Surveys shall be made at the contract lump sum price for Bid Item No. 2, "Surveying". Price and payment shall constitute full compensation for furnishing all labor, materials and equipment to perform the Pre-Construction, Magnetometer, Process, and As-Built Surveys specified herein.

### TS-3 EARTHEN FILL

- 3.1 Scope: The Work provided herein consists of excavation, disposal, placement and compaction of materials for which provisions have not been made under other sections of these specifications.
- 3.2 Method: The Contractor may choose to dredge material from the borrow area sites indicated in the plans or haul in material meeting the requirements set forth in Section 203.10 of the Louisiana Standard Specifications For Roads and Bridges, latest Edition. If the hauled earthen fill option is chosen, the Contractor shall provide a material certification from the supplier that the earthen fill meets the specified requirements. If dredging is chosen, additional materials such as logs, stumps, snags, tires, scrap, and other debris may be encountered within the specified limits of dredging and shall be removed and disposed of by the Contractor. The dredge equipment shall be in satisfactory operating condition, capable of efficiently performing the Work as set forth in the Plans and Specifications, and shall be subject to inspection by the Owner or Engineer prior to beginning the Work and at all times during construction. Ship traffic, waves, stage fluctuations, and weather conditions within the Borrow Area of the project can prove difficult for some equipment. The Contractor shall include an equipment protection plan for acceptance and approval by the Engineer in the Work Plan prior to the Preconstruction Conference per GP-11.
- 3.3 Dredge Location Control: No dredging shall be performed except as depicted in the Plans. No excavation may take place within fifty feet (50') of any existing pipeline or well platform. The Contractor will be required to pay any costs, fines, or other expenses related to dredging outside of the borrow limits or permit violations resulting from Contractor negligence. If the Contractor does not pay costs, fines, or other expenses related to dredging outside of the borrow limits and/or permit limits, the Owner will deduct said costs, fines, and expenses from payments due the Contractor. Additionally, said costs, fines, and expenses may be recovered from the Contractor's bond for payment.
- 3.4 Placement: The Contractor shall take care not to damage the control structure, wooden walkway, and metal decking. It is the intent that the earthen fill be placed by hand or other appropriately delicate measure underneath the wooden walkway and metal decking. If

removal of any part of the control structure, wooden walkway, or metal decking is deemed necessary by the contractor, the removal and subsequent restoration or replacement shall be at no direct pay.

- 3.5 Measurement and Payment: Payment shall be made at the contract unit price per cubic yard of fill placed on the water control structure earthen berm alignment shown on the plans for Bid Item No. 3, "Earthen Fill". The price per cubic yard for earthen fill will be paid to the Contractor upon acceptance of surveys and the volume calculations as specified in TS-2.3. There will be no payment for placing quantities in excess of the lines, grades, and elevations shown on the plans and stated in these specifications. Price and payment shall constitute full compensation for furnishing all plant, labor, materials, equipment for excavating and satisfactorily placing material into the designated fill areas, and performing all work specified herein.

#### TS-4 GEOTEXTILE FABRIC

- 4.1 Scope: The Work provided herein consists of furnishing all labor, material, equipment, and performance of all operations required for furnishing, hauling, placing, completing, and maintaining the woven geotextile fabric until placement of the stone cover is completed and accepted, as specified herein and on the plans.
- 4.2 Materials: The material shall be a woven geotextile consisting only of long chain polymetric filaments or yarns formed into a stable network such that the filaments or yarns retain their position relative to each other during handling, placement, and throughout the design service life. At least eighty-five (85) percent, by weight, of the material shall be polypropylenes, polyesters, polyamides, polyethylene, or polyolefins. The geotextile shall be free of any treatment or coating which might adversely alter the geotextile's hydraulic or physical properties after installation. When required, the geotextile fabric shall contain stabilizers and/or inhibitors added to the base material to make filaments resistant to deterioration due to ultraviolet light and/or heat exposure. The edges of the geotextile shall be selvaged. The geotextile shall be free from defects and tears and shall meet or exceed the physical property requirements listed in the table on the next page. Thread used for factory or field sewing shall be of contrasting color to the fabric and made of kevlar, polypropylene, polyester, or polyamide thread. The thread shall be as resistant to deterioration due to ultraviolet light and/or heat exposure.

#### MINIMUM PHYSICAL PROPERTY REQUIREMENTS FOR WOVEN GEOTEXTILE FABRIC

Physical Property	Test Method	Geotextile Requirements
* Wide Width Tensile Strength (lb./ft.)	ASTM D4595	4800 (lb/ft) minimum, indirection perpendicular to centerline
** Seam Strength, (lb./ft.)	ASTM D 4884	2400 (lb/ft) minimum, in direction perpendicular to centerline
Elongation at Break, (%)	ASTM D 4595	9% in any principal direction
Puncture Resistance, (lb.)	ASTM D 4833	90 minimum



Physical Property	Test Method	Geotextile Requirements
Ultraviolet Radiation Stability, (% residual strength)	ASTM D 4355	70% at 500 hrs. minimum
Apparent Open Size- AOS	ASTM 4751	No finer than U. S. standard sieve size number 50 and no courser than U. S. standard sieve size number 30
Water Permittivity, (sec -1)	ASTM D 4491	.15 minimum
Flow Rate, (gal/min/ft <sup>2</sup> )	ASTM 4491	minimum of 10 and a maximum of 50
Trapezoid Tear Strength, (lb.)	ASTM D 4533	220 minimum

(\*) Value represents minimum average roll value (MARV) in the direction perpendicular to the centerline of the new geotextile received from the manufacturer or distributor (i.e., any roll in a lot shall meet or exceed the minimum strength value in the table).

(\*\*) All of the samples shall yield test values greater than the minimum strength value specified.

- 4.3 Shipment and Storage: The geotextile shall be shipped/transported and maintained in a protective cover prior to placement. During all periods of shipment and storage, the geotextile shall be protected from moisture, dust, debris, ultraviolet light, and other contaminants. Each geotextile roll shall be labeled or tagged with the manufacturer's name, date of manufacture, batch number, and name of product.
- 4.4 Seams and End Laps: A woven geotextile panel shall consist of multiple geotextile strips sewn together at the factory for as large a panel area as manageable. All geotextile panel seams shall be sewn at the factory using a double row, "butterfly" two-thread ("401") chainstitch. Each row of stitching shall be located a minimum of two (2) inches from the geotextile edge. The sewing shall consist of two parallel stitched rows at a minimum spacing of one (1) inch. The panel width must cover the minimum structure width shown on the plans and shall overlap the structure edge a minimum of one (1) foot and a maximum of three (3') feet on each side. No payment will be made for material placed outside of the maximum edge overlap stated above. Each geotextile panel end lap shall be overlapped a minimum of five (5) feet to provide the area coverage shown on the plans. In areas deemed necessary by the engineer, the geotextile shall be overlapped a minimum of ten (10) feet or as directed by engineer.
- 4.5 Installation: The woven geotextile fabric shall be placed with the machine direction perpendicular to the centerline under the stone at the locations, and to the lines and grades shown on the plans. The Contractor shall prepare the surface to receive the geotextile, insuring the surface is relatively smooth and free of obstructions, depressions, debris, soft or low density pockets of material, and stone, which could damage the geotextile during placement. At the time of installation, the geotextile shall be rejected if defects, rips, holes, flaws, deterioration or damage incur during manufacture, transportation, or storage. The geotextile shall be protected at all times during construction to insure the geotextile's original chemical and physical properties are unchanged. Work shall be scheduled so that the geotextile placed, is completely covered with a layer of the specified material by the end of each workday. Failure to comply shall require replacement of geotextile. All wrinkles and

sags shall be stretched out immediately before stone is placed on the geotextile. The geotextile shall be protected from damage during placement of stone. This shall be accomplished by limiting the height of drop to less than one (1) foot. In the event the stone placement damages the geotextile, the stone shall be placed directly on the geotextile with zero (0) height of drop. Before placement of stone, the Contractor shall demonstrate the stone placement will not damage the geotextile. Any geotextile rejected or damaged shall be replaced by the Contractor at no additional cost to the Owner. The Contractor shall also submit a geotextile panel placement plan for each site and the corresponding factory sewn panel dimensions. The Contractor shall allow the Engineer a minimum of seven days for review and approval of the placement plan, prior to geotextile fabrication.

- 4.6 Acceptance: All brands of geotextile and all seams used in construction will be accepted on the following basis. At least thirty (30) days prior to installation, the Contractor shall furnish to the Engineer, in duplicates, a mill certificate or affidavit signed by a legally authorized official from the company manufacturing the geotextile. The certificate shall contain the signer's title, the name and address of the Contractor, the contract number, and the project name and location. The mill certificate or affidavit shall attest the geotextile meets the chemical, physical, and manufacturing requirements stated above in this specification, and the seams used to meet the seam requirements. Accompanying the certificate/affidavit, the Contractor shall submit a three (3) foot by three (3) foot sample of each geotextile to be used. If seams are used, an additional three (3) foot by three (3) foot sample containing a seam in the center of the geotextile sample shall be submitted.
- 4.7 Measurement and Payment: Payment for this item will be made at the contract unit price per square yard for Bid Item No. 4, "Geotextile Fabric". The woven geotextile will be measured in place to the nearest square yard, as delineated on the plans. Overlaps will be measured as a single layer. Price and payment shall constitute full compensation for providing all plant, labor, material, and equipment and performing all operations necessary for the complete and satisfactory installation of the woven geotextile. No payment shall be made for geotextile that is rejected or damaged due to Contractor fault or negligence.

## TS-5 55 LB. CLASS ROCK

- 5.1 Scope: The Work includes furnishing all materials, labor, and equipment to construct to transport and place the rock in accordance with these specifications and in conformity to the lines, grades and thicknesses provided on the Plans and in these Specifications, or as directed by the Engineer.
- 5.2 Materials: The rock shall not disintegrate upon exposure to the elements or be easily broken from handling, and shall be reasonably free from earth and other foreign materials. When tested in accordance with AASHTO Designation: T 85, the solid weight of rock shall be at least one hundred and fifty five (155) pounds per cubic foot (based on bulk specific gravity) and the absorption shall not exceed two percent (2%). The least dimension of an individual rock shall be at least one third (1/3) its maximum dimension.
- 5.3 Quarries: On the basis of information and data available to the Engineer, rock which meets the quality requirements of this specification is produced by the sources listed in the following table.

<b>PRODUCER</b>	<b>NEAREST TOWN TO PIT*</b>	<b>TYPE**</b>	<b>PIT DESIGNATION</b>
APAC	Bloomsdale, MO	LS	APAC Brickeys Quarry
American Stone Supply, Inc.	El Progreso, Cortez, Honduras, Central America	Basalt	American Stone Supply, Inc. Quarry
Bradley Contracting	Cord, AR	DO	Batesville Quarry
Bussen Quarries, Inc.	Mehlville, MO	LS	Bussen Quarry
Cahaba Disaster Recovery	Sayre, AL	SS	Fishtrap Mine
Central Stone Co.	Withers Mill (Monroe City), MO	LS	Pit # 1
Central Stone Co.	Perry, MO	LS	Pit # 9
Delta Companies, Inc.	Cape Girardeau, MO	LS	Southeast Missouri Stone Co. Quarry
Delta Companies, Inc.	Hendrickson, MO	DO	Williamsville Stone Co. Quarry
Florida Rock Industries	Columbus, GA	GN	Columbus Quarry
Florida Rock Industries	Humm Wye, IL	SS	Golconda Quarry
Florida Rock Industries	Calvert City, KY	LS	Grand Rivers Quarry
Florida Rock Industries	Macon, GA	GN	Macon Quarry
Florida Rock Industries	Tyrone, GA	GR	Tyone Quarry
Granite Mountain Quarries	Sweet Home, AR	GR	Granite Mountain, Quarry # 1
Granite Mountain Quarries	Sweet Home, AR	GR	Granite Mountain, Quarry # 2
Granite Mountain Quarries	Bryant, AR	GR	Granite Mountain, Quarry # 3
Guadalupe Resources, LLC	El Progreso, Cortez, Honduras, Central America	Basalt	Guadalupe Resources Quarry
Hoover Incorporated	Allsboro, AL	LS	Allsboro Quarry
Industrial Minerals Products Division/3M	Little Rock, AR	GR	3M Arch Street Quarry

<b>PRODUCER</b>	<b>NEAREST TOWN TO PIT*</b>	<b>TYPE**</b>	<b>PIT DESIGNATION</b>
Lafarge of North America	Cave In Rock, IL	LS	Cave-In-Rock Quarry
Martin Marietta Aggregates	Uniontown, MO	LS	Appleton Quarry
Martin Marietta Aggregates	Black Rock, AR	DO	Black Rock Quarry (Sloan/Cavanaugh)
Martin Marietta Aggregates	Fredonia, KY	LS	Fredonia Quarry
Martin Marietta Aggregates	Smithland, KY	LS	Three Rivers Quarry
Pine Bluff Sand & Gravel Co.	Delaware, AR	SS	River Mountain Quarry
Shippers and Sellers LLC	Kellerman, AL	SS	Kellerman Quarry
Strack Stone Co.	Cape Girardeau, MO	LS	Strack Quarry # 1
Tower Rock Stone Co.	Scott City, MO	LS	Grays Point Quarry
Tower Rock Stone Co.	St. Genevieve, MO	LS	Tower Rock Stone Co.
Travis Creek Energy LLC	Trafford, AL	SS	Trafford Quarry
Vulcan Materials Co.	Black Rock, AR	DO	Black Rock Quarry
Vulcan Materials Co.	Cherokee, AL	LS	Cherokee Quarry
Vulcan Materials Co.	Tuscumbia, AL	LS	Pride Quarry
Vulcan Materials Co.	Lake City, KY	LS	Grand River Quarry
Vulcan Materials Co.	Judsonia, AR	SS	Searcy Quarry
Vulcan Materials Co.	Tuscumbia, AL	LS	Tuscumbia Plant (Quarry #114)
Warren Paving Co.	Salem, KY	LS	Slats Lucas Quarry
White River Materials, Inc.	Cord, AR	LS	Cord Quarry

\*“Nearest Town to Pit” according to Rand McNally Road Atlas copyrighted 2010.

\*\*Type Legend: DO - Dolomite LS - Limestone GN – Gneiss GR - Granite (Granite or

Nepheline syenite) SS – Sandstone

Alternate sources of rock may be accepted prior to construction by the Engineer. In order to gain acceptance, the Contractor shall obtain and test samples of the rock for gradation under the supervision of the Engineer. The Engineer shall accept the rock if the test results comply with this specification.

- 5.4 Gradation: All rock shall be LADOTD Class 55 lb. graded riprap as specified by Section 711.02 (a) of the Louisiana Standard Specifications For Roads and Bridges, latest Edition or Owner approved equivalent. The rock shall meet the following gradation:

<b>LADOTD Class</b>	<b>Stone Size (lbs.)</b>	<b>Spherical Diameter (ft.)</b>	<b>% of Stone Smaller Than</b>
55 lb.	275	1.50	100
	110	1.11	42-100
	55	0.88	15-50
	20	0.63	0-15

Control of gradation will be by visual inspection either at the source, or Project Site or both. The Engineer reserves the right to verify the gradation of any shipment by testing two uniform size random samples. The equipment, labor and cost for testing the samples shall be provided by the Contractor.

- 5.5 Free Fall: The rock shall be placed carefully onto the geotextile fabric by limiting the height of drop to less than one (1) foot. If this height of drop causes damage to the geotextile fabric, the stone shall be placed directly onto the geotextile fabric with a zero (0) height of drop. Before placement of stone, the Contractor shall demonstrate to the Engineer that the stone will not damage the geotextile fabric.
- 5.6 Losses: The Contractor is responsible to reclaim and utilize all rock that is lost during shipment or construction.
- 5.7 Equipment: The Contractor shall provide a proposed list of equipment in the Work Plan which will be used to place the riprap. This list shall include the type (Drag Bucket, etc.), number of each type, and capacity (Cubic Yards, etc.) of the equipment.
- 5.8 Staging Area: The Contractor is responsible for locating a staging area with adequate depth to light load the rock barges. The Contractor shall include the proposed location of the staging area in the Work Plan. If the Staging area is within 150 feet of a well head or pipeline, they shall be probed and appropriately marked by the Contractor. The Contractor shall also submit any letters of no objection or agreements for temporary easements from the landowner, well owner, or pipeline owner to the Engineer.
- 5.9 Placement: The Contractor shall take care not to damage the control structure, wooden walkway, and metal decking. It is the intent that the rock be placed by hand or other appropriately delicate measure underneath the wooden walkway and metal decking. If removal of any part of the control structure, wooden walkway, or metal decking is deemed necessary by the contractor, the removal and subsequent restoration or replacement shall be at no direct pay.

- 5.10 Measurement and Payment: Payment for this item will be made at the contract unit price per square yard for Bid Item No. 5 “55 Lb. Class Rock”. The unit of measurement for rock shall be the square yard. No payment will be made for any unauthorized or non-conforming placement of the rock. Price and payment shall constitute full compensation for furnishing all plant, labor, materials, equipment for satisfactorily placing material into the designated areas, and performing all work specified herein.

## TS-6 SLIP LINING

- 6.1 Scope: This Work consists of the rehabilitation of existing culvert host pipe by the insertion of a liner pipe. The voids or annulus between the host pipe and liner pipe will be filled with grout.
- 6.2 Materials: All slip liner pipe shall be manufactured from either Solid Wall High Density Polyethylene (HDPE) or Fiberglass Reinforced Polymer (FRP) and shall meet the following requirements:
- 6.2.1 Pipe shall be constructed of corrosion resistant, thermoplastic or thermosetting resin. Pipe shall pass impact testing of 220 ft-lbs. All pipe shall have a smooth interior with a maximum Manning’s coefficient of  $n=0.012$ . Manufacturer shall submit third party test data verifying required Manning’s coefficient is achieved.
- 6.2.2 Closure pieces shall be constructed of the same material, thickness, dimensions, and jointing system as the pipe.
- 6.2.3 Slip Lining shall be performed using liner pipe with outside diameters as follows:
- | <u>Host Pipe (I.D.)</u> | <u>Slipliner Pipe (nominal O.D.)</u> |
|-------------------------|--------------------------------------|
| 48”                     | 42”                                  |
- 6.2.4 HDPE Slip Liner Option: HDPE pipe and fittings shall be of solid wall construction and meet the requirements of AASHTO M326-08 specification. It shall be manufactured to meet the requirements of ASTM F714. Installation practices shall follow the standard practices as set forth in ASTM F585.
- 6.2.4.1 Material: HDPE pipe and fittings shall be manufactured of high density polyethylene compound having a minimum cell classification of 345464C as defined in ASTM D3350. Polyethylene pipe shall be made from HDPE material having a material code of PE3408 or higher.
- 6.2.4.2 Manufacturing: The Standard Dimension Ratio (SDR) is the ratio of the outside diameter (OD) of the pipe to its minimum wall thickness. Pipe shall have a minimum wall thickness of SDR 26. The pipe shall have a smooth, non-corrugated interior and exterior surface.
- 6.2.4.3 Jointing Requirements: Joints shall provide sufficient axial strength to preserve pipe alignment, prevent separation at the joints, and maintain integrity while installing pipe into existing host pipe.

- 6.2.4.3.1. Interlocking joints: Pipe shall be constructed with mechanical end connectors, male and female joint connectors, consisting of two machined-groove landing points, to prevent the pipe from pulling apart during installation. Pipe joints shall comply with ASTM D3212 Standard Specification for joint tightness. Extrusion welded joints shall not be allowed to join the liner pipe together to keep grout from leaking out during the grouting stage. Neoprene Cement shall not be allowed to create a seal at the joint to prevent grout from leaking out during the grouting stage.
- 6.2.4.3.2. Butt fused Joints: Fusing of pipe joints shall meet the requirements of ASTM F2620. Fused connection shall meet the requirements of AASHTO M326. Fusion of joints shall be performed by a technician with a minimum of five years of experience. The roll over bead at the point of fusion shall be removed from the exterior of pipe before inserting into the host pipe.
- 6.2.5 FRP Pipe Option: Pipe shall be manufactured and tested in accordance with ASTM D3262 and AWWA M45. Joints shall meet the requirements of ASTM D4161. Gaskets shall meet the requirements of ASTM F477.
- 6.2.5.1 Materials: Pipe shall be manufactured from fiberglass reinforcing materials, polyester resin and pure silica sand.
- 6.2.5.2 Resin Systems: The manufacturer shall use only polyester resin systems with a proven history of performance in this particular application. The historical data shall have been acquired from a composite material of similar construction and composition as the proposed product.
- 6.2.5.3 Glass Reinforcements: The reinforcing glass fibers used to manufacture the components shall be of highest quality commercial grade.
- 6.2.5.4 E-glass filaments: Filaments shall have binder and sizing compatible with impregnating resins.
- 6.2.5.5 Silica Sand: Sand shall be minimum 98% silica with a maximum moisture content of 0.2%.
- 6.2.5.6 Additives: Resin additives, such as curing agents, pigments, dyes, fillers, thixotropic agents, etc., when used, shall not detrimentally effect the performance of the product.
- 6.2.5.7 Elastomeric Gaskets: Gaskets shall meet ASTM F477 and be supplied by qualified gasket manufacturers and be suitable for the service intended.

6.2.5.8 Manufacturing: The internal liner resin shall be suitable for service as storm sewer pipe, and shall be manufactured using a resin which shall provide crack resistance and abrasion resistance. The exterior surface of the pipes shall be comprised of a sand and resin layer which provides UV protection to the exterior. Pipe shall meet or exceed requirements of ASTM D 3681. The pipe shall be field connected with low-profile or flush fiberglass bell-spigot joints, when the fit requires. Either joint shall utilize elastomeric sealing gaskets as the sole means to maintain joint water tightness and shall meet the performance requirements of ASTM D4161. Fittings, if required, shall be capable of withstanding operating conditions when installed. They may be contact molded or manufactured from mitered sections of pipe joined by glass fiber reinforced overlays. Pipe shall be supplied in nominal lengths of 20 feet. Shorter and custom lengths will be supplied as defined by the project requirements. The minimum wall thickness shall be per the manufacturer's design in accordance with ASTM D3567. Pipe ends shall be square to the pipe axis with a maximum tolerance of 1/8". Pipe shall have a minimum long term pipe stiffness of 31 psi when tested in accordance with ASTM D2412.

6.2.6 Grout Materials and Mixes: Contractor shall utilize material specifications for solidification of the annular void between host and the inserted liner with low-density flowable fill or cellular grout. The grout shall be made using the preformed foam process using foam-generating equipment calibrated daily by the foam manufacturer to produce a precise and predictable volume of foam. The foam concentrate shall be certified by the customer to have specific liquid/foam expansion ratio at a constant dilution ratio with water. The specific job mix shall be submitted by contractor for approval prior to use on this project. The mix shall have a minimum 28 day compressive strength of 200 psi to 500psi when tested in accordance with ASTM C1019.

6.2.6.1 Density: Contractor may choose cellular grout with a density between 40 and 80 lbs. per cubic foot or low-density flowable fill grout with a density between 100 and 120 lbs. per cubic foot. Density shall be verified by ASTM C138 or by other methods as approved by the Engineer.

6.2.6.2 Performance Requirements: The Contractor shall establish proposed grout material and mixes, equipment, placement procedures, applicator, set-up, and criteria that the grouting operations shall meet. The grouting system shall have sufficient gauges, monitoring devices and tests to determine the effectiveness of the grouting operation. The Contractor must document compliance with the project and slip liner pipe specification design limits. The grouting operation shall be modified if the grouting does not perform as submitted and not approved by the Engineer.

6.2.6.3 Mix Designs: Mixes shall be developed to completely fill the annular space between the host pipe and the slip liner pipe and shall meet the following requirements: (1) Accommodate the size of the annular void. (2) Accommodate the void size of the surrounding soil. (3) Accommodate the absence or presence of groundwater. (4) Provide the acceptable strength and durability. (5) Set-up or harden to prevent movement of the slip liner pipe. (6) Shrinkage shall not exceed 1% by volume.



- 6.3 Submittals: The Contractor shall submit documentation from the sliplining pipe product manufacturer certifying conformance with the requirement of this specification. The Contractor shall also submit a copy of the manufacturer's product installation and product storage/handling recommendations. The Contractor shall submit the following to the Engineer for review prior to the start of the grouting operation: (1) The proposed grouting mix and all performance data relative to this section such as, but not limited to: flow characteristics, viscosity, set time, bleed segregation, shrinkage and manufacturer. (2) The proposed densities. (3) The proposed grouting method. (4) The maximum injection pressures. (5) Twenty-four hour and 28 day projected compressive strengths. (6) Proposed grout stage volumes. (7) Proposed bulkhead designs. (8) Grout flow control. (9) Buoyancy force calculations for the liner pipe. (10) Provisions for service connections and laterals.

Grouting documentation identified above shall be submitted to the Engineer as a complete package for review and approval. The Contractor shall notify the Engineer in advance of any changes to the approved grouting design.

- 6.4 Grouting Equipment: The materials shall be mixed in equipment of sufficient size and capacity to provide the desired amount of grout material for each stage in a single operation. The equipment shall be capable of mixing the grout at densities required for the approved procedure and shall also be capable of changing densities as dictated by field conditions any time during the grouting operation. Gauges shall be attached immediately adjacent to an injection port at the bulkhead; the gauge shall conform to an accuracy of no more than 2% error over the full range of the gauge operation. Record of gauge calibration within the last six (6) months shall be provided to the Engineer.

- 6.5 Construction Preparation: The following preparation/steps shall be completed, unless approved otherwise by the Engineer. The Owner and Engineer make no guarantee regarding the information, data, and physical condition of the existing host pipes. Before commencing with any work, or ordering any materials, the Contractor will be responsible for physically measuring and visually inspecting the existing host pipes to verify that the rehabilitation specified herein will be appropriate. No claims will be considered for any work performed, downtime, material ordered or restocking of material ordered prior to the Contractor verifying that the existing host pipes are coincident with the conditions listed in the Contract Documents. This physical inspection will be considered incidental to the Contractor's price for slip lining.

- 6.5.1 Safety: The Contractor shall carry out his operations in strict accordance with all applicable OSHA Standards. It shall be the Contractor's responsibility to familiarize himself with OSHA Standards and Regulations pertaining to all aspects of the work.
- 6.5.2 Dewatering: It shall be the Contractor's responsibility to dewater the existing pipe prior to beginning lining operations. It is anticipated that a cofferdam will be constructed on the east side of the control structure and the control structure stop logs will be utilized on the west side. The cofferdam shall be paid as described in its respective section. No direct payment shall be made for any damming efforts on the west side of the control structure.
- 6.5.3 Pre-Lining Cleaning: It shall be the Contractor's responsibility to wash, clean and visually inspect the existing culvert pipe before lining, at a cost incidental to the insertion of liners. The Contractor will plan his work after visual inspection.

6.5.4 Line Obstructions: If the visual inspection reveals an obstruction (such as heavy solids, dropped joints, or collapsed pipe) in the existing pipe that cannot be removed by cleaning equipment, repairs must be performed prior to slip lining as approved by the Engineer. This may include cutting out a portion of collapsed or dented pipe to allow for insertion of liner pipe.

6.6 Installation: Removal and replacement of any part of the control structure due to installation, movement, and/or erection of equipment shall be incidental. Liner pipe shall be inserted and installed in accordance with manufacturer's recommendations. Grade of liner pipe shall be maintained parallel to grade of host pipe. The slip liner pipe shall serve as the inside form for the grout placement. Bulkheads shall completely fill the annular space at the ends of the culvert pipe, and be of a material compatible with the type of grout and constructed to withstand the loads imposed by the grout during placement, curing and the pressure of groundwater without leakage. Bulkheads shall have appropriate venting to dewater the annular space, while sealing the space from water flow, thereby permitting the grout to set. The bulkheads shall be constructed to allow the air to escape as grout is introduced. Air vent pipe locations shall be determined by pipeline conditions. The vent pipes may also be used to monitor the grout level. Placement of grout shall be by means of one or a combination of the following: (1) a set of top-side grout access ports through the crown of the existing host pipe and/or (2) injection through injection ports in the bulkheads.

In constricted or small annular spaces, the installation of an air vent port of 2 in. diameter PVC pipes shall be required to prevent air from creating large voids in the fill. The Contractor shall inject the theoretical volume of grout to fill the annular space and allow verification by the Engineer to determine if additional grout is needed. The Contractor shall inject additional grout if directed by the Engineer. The annular void shall be completely grout filled without deflecting the insertion pipe greater than 1.5 percent. When the weight of the volume of grout displaced by the slip liner pipe is greater than the weight of the slip liner pipe, a net buoyancy force will exist and cause the liner pipe to float. The acceptable methods to negate the buoyancy potential are as follows: (1) Use a grout that weighs less than the weight of the pipe divided by the displaced volume of the pipe. (2) Increase the weight of the pipe by filling with water or other material and reduce the weight of the grout. (3) Use annular bridging such as casing spacers or blocking to hold the liner pipe in the required position. (4) Place the grout in stages or "lifts" with detailed methodology to determine when a stage is completed.

Prior to grouting the Contractor shall submit to the Engineer a detailed plan that will anchor the liner in the invert for a period of time long enough to allow the grout to set where buoyancy factors exist. The gauged pumping pressure shall not exceed 2 psi to avoid damage to the liner pipe. Pressure gauges shall indicate in 0.5 psi graduations, and be located in the grout transport line or very near the point of injection. Pumping equipment shall have sufficient capability to inject grout at velocities and pressure relative to the size of the annulus. Calculations must be made to determine if gravity flow will exert sufficient pressure to complete the required grouting operation. The Contractor shall, every 15 minutes, check and record the grout density at or close to the discharge point. These records, combined with records of cement and other materials delivered to the job site, as well as the volume of water used shall be submitted to the Engineer to confirm the volume of grout placed.

6.7 Acceptance: Each slip lining installation shall be considered for acceptance following a visual inspection performed by the Contractor and witnessed by the Engineer or designated Owner's Representative. Variations from true line and grade may be inherent because of the

conditions of the original piping.

- 6.8 Measurement and Payment: Payment for this item will be made at the contract unit price per linear foot for Bid Item No. 6, "Slip Lining". Measurement for installed pipe slip lining shall be on a linear foot basis, to the nearest whole foot, measured from end of host pipe to end of host pipe, for the slip liner pipe sizes listed under this item in the Contract Documents. In the case of multiple culverts to be lined, the measurement length shall be the sum of the lengths of each barrel, measured as prescribed above. Payment for this Item will be full compensation for furnishing, hauling, installing slip line pipe, fittings, insertion pits, bulkheads, grouting, pipe cleaning, inspection, obstruction removal, blocking, testing and for all labor, tools, equipment, materials, clean-up and incidentals, in accordance with the Contract Document.

## TS-7 DEWATERING

- 7.1 Scope: The Work provided herein consists of furnishing all labor, material, equipment, and performance of all operations required for constructing, providing, and otherwise operating a cofferdam and dewatering system. Removal of the cofferdam and dewatering system once work is complete is also included.
- 7.2 Submittals: The Contractor shall submit for approval at the Pre-Construction conference a Work Plan detailing the equipment and methodology to be used for dewatering the project. Cofferdam plans must be sealed by a Professional Engineer licensed in the state of Louisiana.
- 7.3 Ratio of Cofferdam and Dewatering Effort: Seventy percent (70%) of the lump sum price will be paid to the Contractor upon completed installation of the cofferdam and successful dewatering of the dammed area. The remaining thirty percent (30%) will be paid to the Contractor upon removal of the cofferdam.
- 7.4 Measurement and Payment: Payment shall be made at the contract lump sum price for Bid Item No. 7, "Dewatering". Price and payment shall constitute full compensation for furnishing all labor, material, equipment, and performance of all operations required for constructing, providing, and otherwise operating a cofferdam and dewatering system specified herein.

## END OF PART III – TECHNICAL SPECIFICATIONS

**APPENDIX A: REQUEST FOR INFORMATION FORM**

Barataria Waterway West Maintenance Project (BA-23)  
Request for Information  
Number ( )

DATE:

SUBJECT:

Summary of RFI by Contractor
Signature:

[illegible]

## **APPENDIX B: PERMITS**

**BOBBY JINDAL**  
GOVERNOR



**STEPHEN CHUSTZ**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF NATURAL RESOURCES**  
**OFFICE OF COASTAL MANAGEMENT**

April 2, 2015

Luke J. Prendergast  
Coastal Protection & Restoration Authority  
New Orleans Regional Office  
2045 Lakeshore Drive  
New Orleans, LA 70122

**RE: C19970314 Modification 6, Coastal Zone Consistency**  
**Natural Resources Conservation Service**  
Direct Federal Action  
Barataria Waterway Shoreline Protection CWPPRA Project BA-23 modification to  
perform water control structure repair and maintenance  
**Jefferson Parish, Louisiana**

Dear Mr. Prendergast:

The above referenced project has been reviewed for consistency with the approved Louisiana Coastal Resource Program (LCRP) as required by Section 307 of the Coastal Zone Management Act of 1972, as amended. The project, as proposed in the application, is consistent with the LCRP. If you have any questions concerning this determination, please contact Jim Bondy of the Consistency Section at (225) 342-3870 or 1-800-267-4019.

Sincerely yours,

**/S/ Don Haydel**

Acting Administrator  
Interagency Affairs/Field Services Division

DH/SK/jab

cc: Martin Mayer, NOD-COE  
Dave Butler, LDWF  
Frank Cole, OCM FI  
Jason Smith, Jefferson Parish  
W. Britt Paul, NRCS



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
P.O. BOX 60267  
NEW ORLEANS LA 70160-0267

REPLY TO  
ATTENTION OF

Operations Division  
Eastern Evaluation Section

JUN 30 2015

SUBJECT: MVN 1997-4790 EOO

Luke Prendergast  
Louisiana Coastal Protection and Restoration Authority  
2045 Lakeshore Drive, CERM Suite 309  
New Orleans, Louisiana 70122

Mr. Prendergast,

The attached drawings, six sheets dated March 2015, furnished with your permit modification and time extension request to dredge and deposit fill for maintenance to the Barataria Waterway West Shoreline Protection Project near the Barataria Bay Waterway, in Jefferson Parish, Louisiana, are approved and will be included with the plans for your work authorized by the Secretary of the Army in a permit dated June 12, 1998, from the District Engineer at New Orleans, Louisiana. The time limit for completion of this work is extended to June 30, 2018.

The conditions to which the work is made subject, excepting the time limit for completion, remain in full force and effect. In addition, you must comply with the enclosed: "Standard Manatee Conditions for In-Water Activities".

A copy of the first page of this permit approval letter must be conspicuously displayed at the project site. Also, you must keep a copy of this signed letter, with attached drawings, at the project site until the work is completed.

Should you have any further questions concerning this matter, please call Brad LaBorde at (504) 862-2225.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

Martin S. Mayer  
Chief, Regulatory Branch  
For  
Richard L. Hansen  
Colonel, U.S. Army  
District Commander

Enclosure



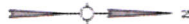
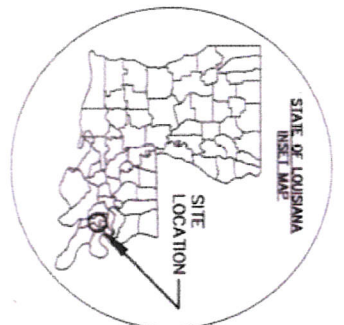
# INDEX TO SHEETS

SHEET NO. DESCRIPTION

- 1 TITLE SHEET
- 2 GENERAL NOTES & ESTIMATED QUANTITIES
- 3 SITE MAP
- 4 SITE LAYOUT
- 5 SECTION VIEW
- 6 SLIP-LINING PLAN

## STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

### BARATARIA WATERWAY WEST SHORELINE PROTECTION MAINTENANCE PROJECT BA-23 JEFFERSON PARISH



**CALL BEFORE YOU DIG!**  
LOUISIANA ONE CALL PARTICIPANTS REQUEST  
48 HOURS NOTICE BEFORE YOU DIG,  
DRILL, OR BLAST - STOP CALL  
LOUISIANA ONE CALL SYSTEM  
1-800-272-3020

TYPE OF CONSTRUCTION  
CLASSIFICATION III (HEAVY CONSTRUCTION)



*Geoffrey L. Wilson*  
Geoffrey L. Wilson  
REG. NO. 34039  
PROFESSIONAL ENGINEER  
IN  
CIVIL ENGINEERING  
03/12/15

APPLICATION BY  
LUKE PRENDERGAST  
2045 LAKESHORE DRIVE, SUITE 300  
NEW ORLEANS, LA 70122



COASTAL PROTECTION  
AND RESTORATION  
AUTHORITY  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

BARATARIA WATERWAY WEST  
MAINTENANCE PROJECT

TITLE SHEET

DRAWN BY: THYMES

DESIGNED BY: WILSON

APPROVED BY: CRAIN

STATE PROJECT NUMBER: BA-23  
FEDERAL PROJECT NUMBER: BA-23

DATE: MARCH 2015  
SHEET 1 OF 6

# SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
2	SURVEYING	LUMP SUM	1
3	EARTHEN FILL	CUBIC YARDS	250
4	GEOTEXTILE FABRIC	SQUARE YARDS	230
5	55# CLASS ROCK	SQUARE YARDS	230
6	SLIP LINING	LINEAR FOOT	92
7	DEWATERING	LUMP SUM	1

## GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING FROM A NAVIGABLE WATER BODY TO THE SITE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE AND DREDGING ONLY WITHIN THE LIMITS OF THE APPROVED BORROW AREA. THE CPRA PROJECT ENGINEER OR INSPECTOR SHALL MONITOR EQUIPMENT OPERATIONS DURING CONSTRUCTION.
2. ALL EQUIPMENT SHALL BE FLOATING AT ALL TIMES DURING TRANSIT TO AND FROM THE PROJECT SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL THE LANDOWNERS, UTILITIES AND PIPELINE COMPANIES IDENTIFIED IN THE SPECIFICATIONS AT LEAST 5 WORKING DAYS PRIOR TO MOBILIZATION. ALL UNDERGROUND PIPELINES AND UTILITIES SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE CLEARANCES FROM THE PIPELINES SET FORTH IN THE PLAN DRAWINGS OR IN THE BID DOCUMENTS. NO EXCAVATION IS ALLOWED WITHIN ANY AREA RESTRICTED BY THE PIPELINE COMPANIES AND SET FORTH ON THE PLANS. PIPELINE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATIONS. THE OWNER IS NOT LIABLE FOR EXACT LOCATIONS. THE CONTRACTOR MUST CALL LOUISIANA ONE CALL AT 1-800-272-3020 AT LEAST 5 WORKING DAYS PRIOR TO MOBILIZATION.
4. THE PLANS AND BID DOCUMENTS ARE COMPLEMENTARY. WHAT IS REQUIRED IN ONE IS AS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS, INTERPRETATIONS, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS WILL BE ISSUED BY THE ENGINEER, IF NECESSARY.
5. ANY DAMAGE CAUSED BY CONTRACTOR'S OPERATIONS TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
6. AVOID IMPACT TO EXISTING VEGETATION FOR PROTECTION OF EXISTING VEGETATION, ACCESS TO OR MOVEMENT OUTSIDE OF THE DEFINED PROJECT SITE SHALL BE PROHIBITED WITHIN VEGETATED AREAS FOR ALL PERSONNEL OR MATERIAL ACCESS OR STORAGE.

APPLICATION BY  
LUKE PRENDERGAST  
2045 LAKESHORE DRIVE, SUITE 309  
NEW ORLEANS, LA 70122



10005 Airline Highway  
Baton Rouge, Louisiana 70816

COASTAL PROTECTION  
AND RESTORATION  
AUTHORITY  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

BARATARIA WATERWAY WEST  
MAINTENANCE PROJECT

GENERAL NOTES &  
ESTIMATED QUANTITIES

STATE PROJECT NUMBER: BA-23

FEDERAL PROJECT NUMBER: BA-23

DATE: MARCH 2015

SHEET 2 OF 6

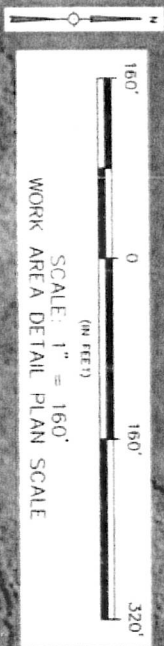


DRAWN BY: THYMES

DESIGNED BY: WILSON

APPROVED BY: CRAN





EXISTING RIPRAP TO REMAIN UNDISTURBED. NO WORK TO BE PERFORMED IN THIS AREA (SEE SHEET 5 FOR DETAILS)

WATER CONTROL STRUCTURE WORK AREA

BORROW AREA "C"

BORROW AREA "A"

STRUCTURE LOCATION (EXISTING)

BORROW AREA "B"

MADISON LAND CO. NO. 1 WELL

OILFIELD ACCESS CANAL

6" PIPELINES

- NOTES**
1. BACKGROUND IMAGERY WAS TAKEN IN 2013.
  2. OILFIELD ACCESS CANAL SHALL BE USED AS THE SOLE ACCESS POINT FOR EQUIPMENT ENTERING AND EXITING THE PROJECT AREA. EQUIPMENT SHALL REMAIN FLOATING AT ALL TIMES WHEN TRANSITING THE PROJECT AREA.
  3. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED ON EXISTING HEALTHY MARSH.
  4. PIPELINE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT PIPELINE LOCATIONS WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION. PIPELINES WITHIN 150' OF BORROW OR FILL AREAS SHALL BE PROBED AND LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
  5. MAINTAIN 20' MINIMUM LATERAL CLEARANCE FROM EXISTING PIPELINES AND PLATFORMS, TYPICAL ALL LOCATIONS.
  6. EXISTING RIPRAP SCOUR PROTECTION ON THE EAST SIDE OF THE WATER CONTROL STRUCTURE SHALL BE MARKED FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. NO WORKS SHALL BE PERFORMED IN THIS AREA.
  7. ANY DAMAGE TO EXISTING STRUCTURES IN THE PROJECT AREA RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
  8. MAXIMUM DEPTH OF THE EXCAVATION SHALL BE LIMITED TO ELEV. 10.0' NAVD83.

CANAL ACCESS GATE

APPROX. 150' x 50' PRODUCTION BARGE (EXISTING)

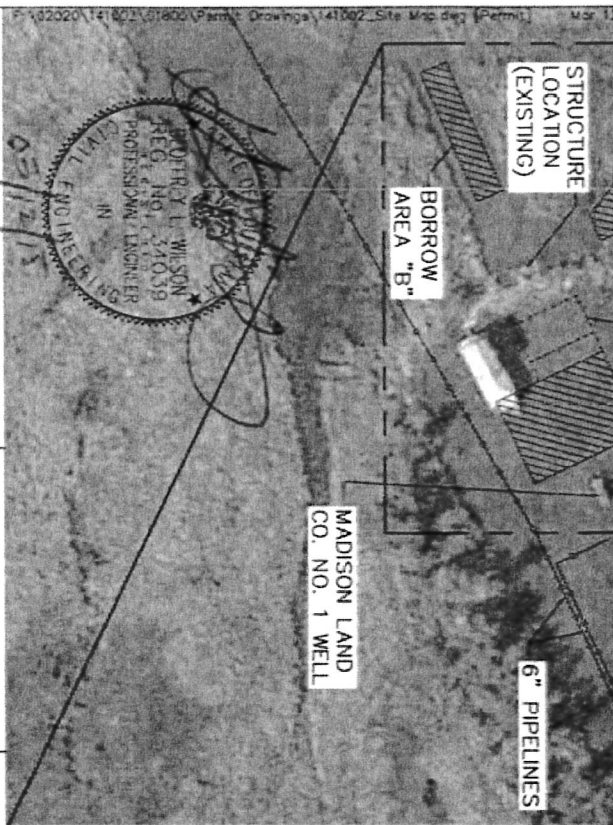
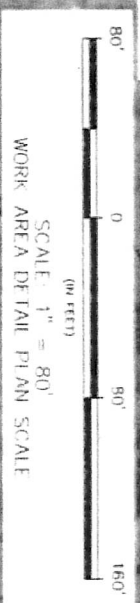
WELL PLATFORM

BORROW AREA "A"

APPROXIMATE EXTENTS OF FILL

BORROW AREA "B"

BORROW AREA "C"



APPLICATION BY  
LUKE PRINCEPAST  
2006 LAKESHORE DRIVE, SUITE 300  
NEW ORLEANS, LA 70122

**SIGMA**  
ENGINEERING CONSULTANTS  
10000 Airline Highway  
Baton Rouge, Louisiana 70810

COASTAL PROTECTION  
AND RESTORATION  
AUTHORITY  
4501 AUREL STREET  
BATON ROUGE, LOUISIANA 70801

BARATARIA WATERWAY WEST  
MAINTENANCE PROJECT

STATE PROJECT NUMBER BA-23

DATE MARCH 2016

DRAWN BY THAMES

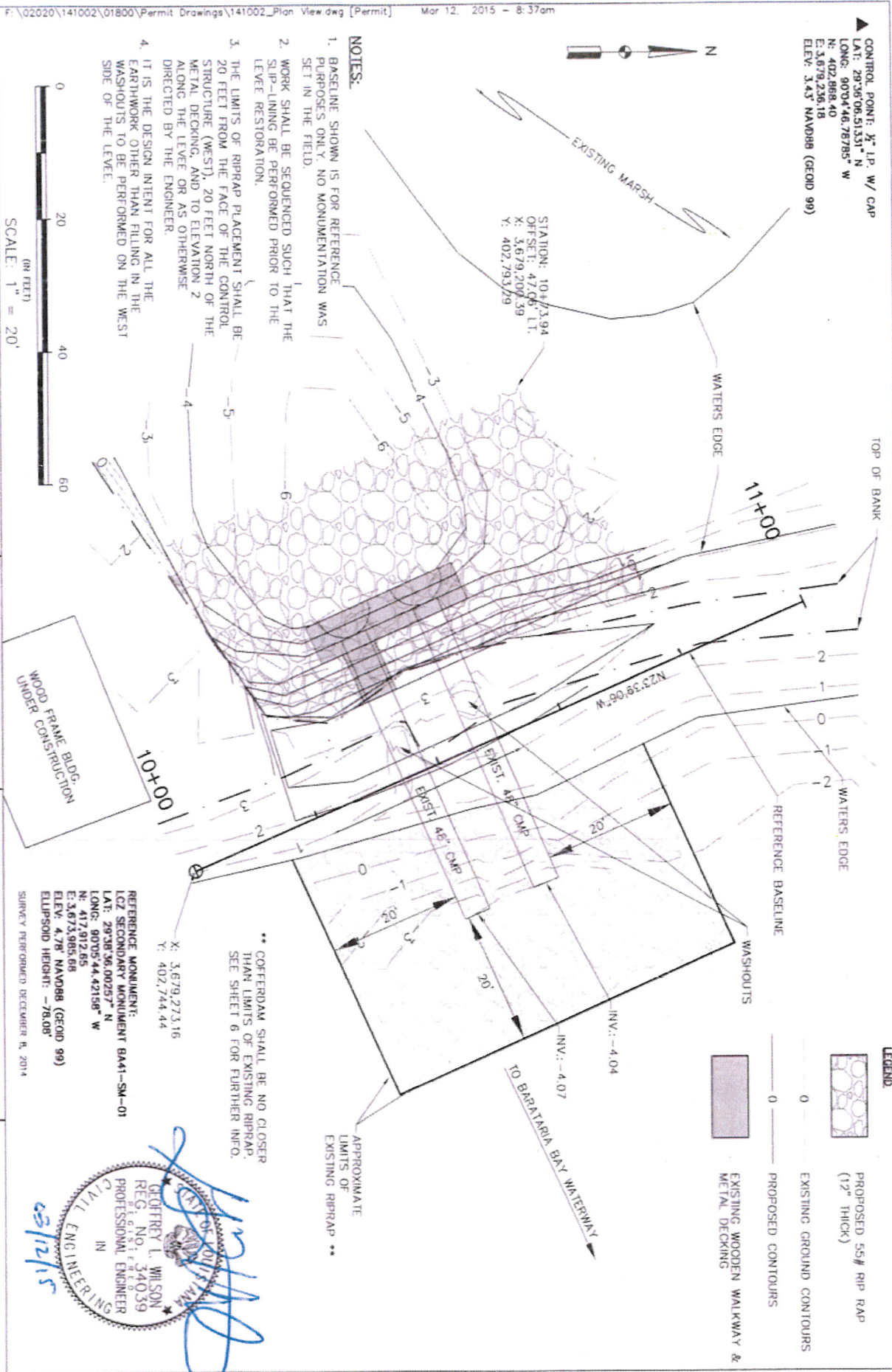
DESIGNED BY WILSON

APPROVED BY CRAN

FEDERAL PROJECT NUMBER BA-23

SHEET 3 OF 6

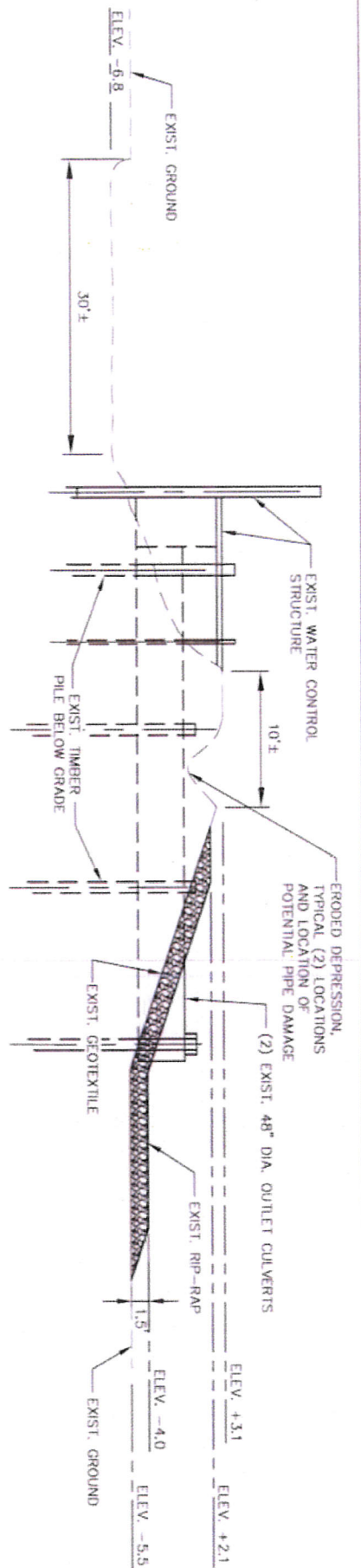
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 LAT: 29°36'08.5133" N  
 LONG: 90°04'46.7875" W  
 N: 402,868.40  
 E: 3,679,236.18  
 ELEV: 3.43 NAVD88 (GEOID 99)



**PROFESSIONAL ENGINEER**  
 GEOFFREY L. WILSON  
 REG. NO. 34039  
 CIVIL ENGINEERING  
 IN  
 LOUISIANA  
 03/12/15

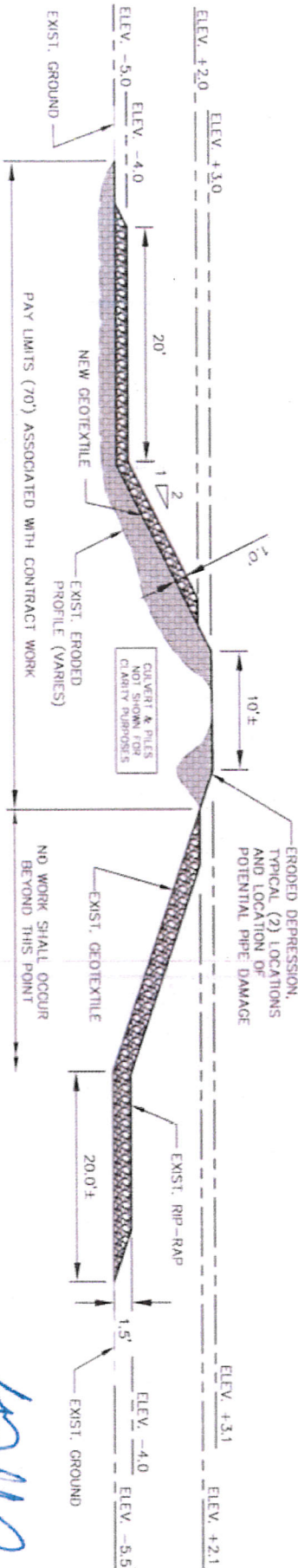
DRAWN BY: THYMES  APPLICATION BY: LUKE PRENDERGAST 2045 LAKESHORE DRIVE, SUITE 309 NEW ORLEANS, LA 70122	DESIGNED BY: WILSON   ENGINEERING CONSULTANTS 1000 Airline Highway Baton Rouge, Louisiana 70816	APPROVED BY: CRAIN  <b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	STATE PROJECT NUMBER: BA-23  FEDERAL PROJECT NUMBER: BA-23	DATE: MARCH 2015  SHEET 4 OF 6
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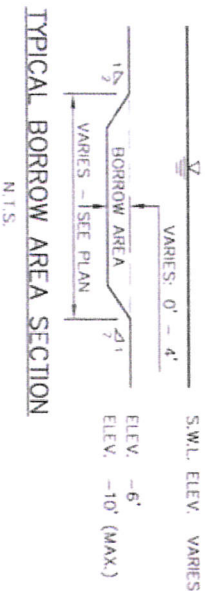
EXISTING SECTION AT WATER CONTROL STRUCTURE

N.T.S.



REQUIRED REPAIR SECTION


N.T.S.

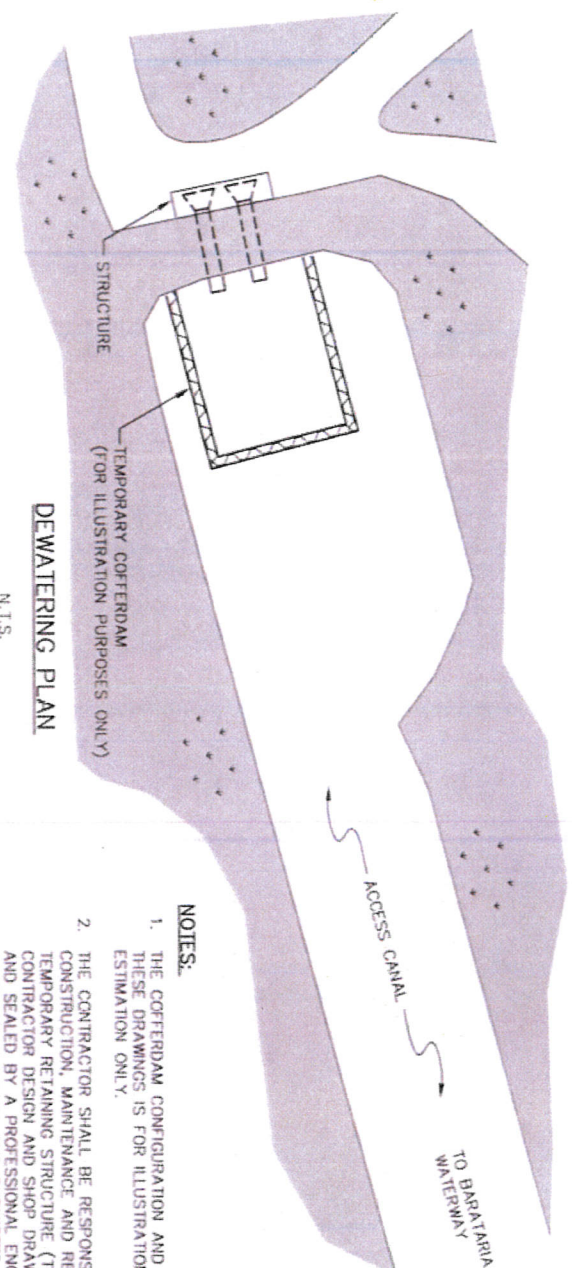


TYPICAL BORROW AREA SECTION

N.T.S.

03/12/15  
 GEOFFREY L. WILSON  
 REG. NO. 34039  
 PROFESSIONAL ENGINEER  
 IN  
 CIVIL ENGINEERING

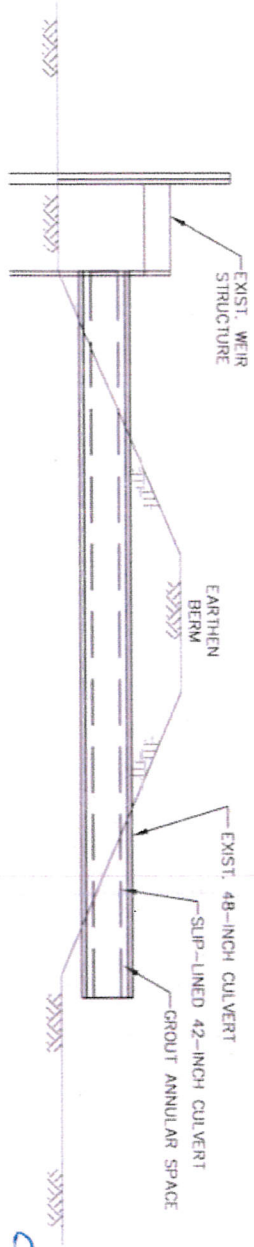
APPLICATION BY LIKE PRENDERGAST 2045 LAKESHORE DRIVE SUITE 309 NEW ORLEANS, LA 70122	DESIGNED BY: WILSON  1000 Airline Highway Baton Rouge, Louisiana 70816	COASTAL PROTECTION AND RESTORATION AUTHORITY 480 LAUREL STREET BATON ROUGE, LOUISIANA 70801	BARATARIA WATERWAY WEST MAINTENANCE PROJECT STATE PROJECT NUMBER: BA-23 FEDERAL PROJECT NUMBER: BA-23	SECTION VIEW DATE: MARCH 2015 SHEET 5 OF 6
DRAWN BY: THYMES				



**DEWATERING PLAN**  
N.T.S.

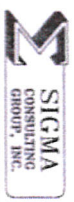
**NOTES.**

1. THE COFFERDAM CONFIGURATION AND DESIGN SHOWN ON THESE DRAWINGS IS FOR ILLUSTRATION PURPOSES AND COST ESTIMATION ONLY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, MAINTENANCE AND REMOVAL OF ITS OWN TEMPORARY RETAINING STRUCTURE (TRS) SYSTEM. THE CONTRACTOR DESIGN AND SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF LOUISIANA AND SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION.
3. TRS (COFFERDAM) SHALL BE NO CLOSER THAN THE LIMITS OF THE EXISTING RIPRAP.



**SLIP-LINING SECTION**  
N.T.S.

*[Handwritten Signature]*  
 GEORGE L. WILSON  
 REG. NO. 34039  
 PROFESSIONAL ENGINEER  
 IN  
 CIVIL ENGINEERING  
 03/12/15

APPLICATION BY: LUKE PRENDERGAST 2045 LAKESHORE DRIVE, SUITE 309 NEW ORLEANS, LA 70122	 SIGMA ENGINEERING CONSULTANTS 1000 Airline Highway Baton Rouge, Louisiana 70816	COASTAL PROTECTION AND RESTORATION AUTHORITY 490 LAUREL STREET BATON ROUGE, LOUISIANA 70801	BARATARIA WATERWAY WEST MAINTENANCE PROJECT STATE PROJECT NUMBER: BA-23 FEDERAL PROJECT NUMBER: BA-23	SLIP-LINING PLAN DATE: MARCH 2015 SHEET 6 OF 6
DRAWN BY: THYMES	DESIGNED BY: WILSON	APPROVED BY: CRAN		

## STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES

During in-water work in areas that potentially support manatees all personnel associated with the project shall be instructed about the potential presence of manatees, manatee speed zones, and the need to avoid collisions with and injury to manatees. All personnel shall be advised that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. Additionally, personnel shall be instructed not to attempt to feed or otherwise interact with the animal, although passively taking pictures or video are acceptable.

All on-site personnel are responsible for observing water-related activities for the presence of manatee(s). To minimize potential impacts to manatees in areas of their potential presence, the permittee shall insure the following are adhered to:

- All work, equipment, and vessel operation shall cease if a manatee is spotted within a 50-foot radius (buffer zone) of the active work area. Once the manatee has left the buffer zone on its own accord (manatees must not be herded or harassed into leaving), or after 30 minutes have passed without additional sightings of manatee(s) in the buffer zone, in-water work can resume under careful observation for manatee(s).
- If a manatee(s) is sighted in or near the project area, all vessels associated with the project shall operate at "no wake/idle" speeds within the construction area and at all times while in waters where the draft of the vessel provides less than a four-foot clearance from the bottom. Vessels shall follow routes of deep water whenever possible.
- If used, siltation or turbidity barriers shall be properly secured, made of material in which manatees cannot become entangled, and be monitored to avoid manatee entrapment or impeding their movement.
- Temporary signs concerning manatees shall be posted prior to and during all in-water project activities and removed upon completion. Each vessel involved in construction activities shall display at the vessel control station or in a prominent location, visible to all employees operating the vessel, a temporary sign at least 8½" X 11" reading language similar to the following: "CAUTION BOATERS: MANATEE AREA/ IDLE SPEED IS REQUIRED IN CONSTRUCTION AREA AND WHERE THERE IS LESS THAN FOUR FOOT BOTTOM CLEARANCE WHEN MANATEE IS PRESENT". A second temporary sign measuring 8½" X 11" shall be posted at a location prominently visible to all personnel engaged in water-related activities and shall read language similar to the following: "CAUTION: MANATEE AREA/ EQUIPMENT MUST BE SHUTDOWN IMMEDIATELY IF A MANATEE COMES WITHIN 50 FEET OF OPERATION".
- Collisions with, injury to, or sightings of manatees shall be immediately reported to the Service's Louisiana Ecological Services Office (337/291-3100) and the Louisiana Department of Wildlife and Fisheries, Natural Heritage Program (225/765-2821). Please provide the nature of the call (i.e., report of an incident, manatee sighting, etc.); time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible.

**APPENDIX C: LANDRIGHTS MEMORANDUM**



April 6, 1999

Memorandum

To: Joe Saxton, CRD Project Manager

Thru: Helen K. Hoffpauir, CRD Real Estate Manager

From: Joyce M. Montgomery, CRD Real Estate Agent II

RE: Completion of Landrights  
Barataria Bay Waterway West Bank Protection Project BA-23

The CRD Real Estate Section has completed all landrights necessary to proceed to construction contracting on the above referenced project. The following information has already been forwarded to you under separate memorandum:

<input checked="" type="checkbox"/> Servitude Agreement(s)	<input type="checkbox"/> Mineral Operations Agreement(s)
<input checked="" type="checkbox"/> Pipeline Agreement(s)	<input checked="" type="checkbox"/> Grant of Particular Use
<input type="checkbox"/> Oil/Gas Operator Agreement(s)	<input type="checkbox"/> State Land Office Letter of No Objection
<input type="checkbox"/> Memorandum(s) of Agreement	<input checked="" type="checkbox"/> Assignment of Rights to Federal Sponsor
<input type="checkbox"/> CWPPRA Section 303(e) approval	<input checked="" type="checkbox"/> Landrights Certification Letter
<input type="checkbox"/> Right(s) of Entry for Construction	<input type="checkbox"/> Other

The following contractor responsibilities are specified in the above mentioned landrights documents and should be included in the plans and/or special provisions:

Repair or replace in like manner of any fences, roads, bridges, launches, trails, waterways, and other facilities which may be damaged or destroyed during the construction of the structures and/or appurtenances installed as part of the project, and removal or disposal of all debris associated with construction of the project.

In the vicinity of pipelines owned by BP Oil Pipeline Company and Koch Gateway Pipeline Company (Koch) the contractor is authorized to tie in to existing rock on both sides the pipelines, but not to cross the pipelines with rock.

The locations of said pipelines are to be shown on the construction plan drawings.

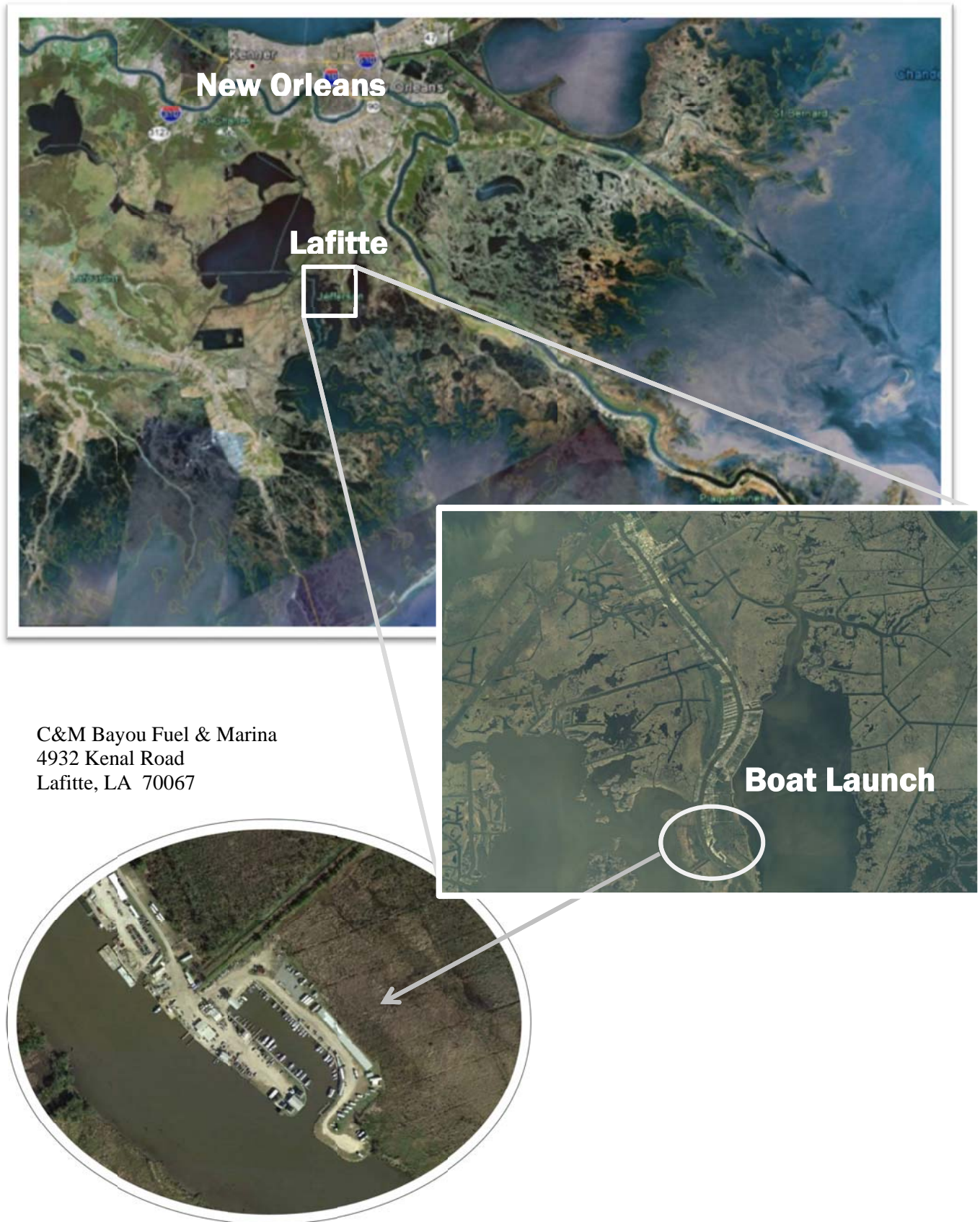
Contractor is to notify BP Oil Pipeline Company (Kenneth Smithpeters at 504-393-6285) and the Louisiana Underground Protection Inc. (1-800-272-3020) at least two working days prior to any construction activity near the pipeline. Note that BP Oil Pipeline Company has agreed to arrange to have the pipeline location staked. BP Oil Pipeline Company shall be given the opportunity to have an inspector on site during all construction activities. No excavation shall take place within the pipeline right-of-way for any reason without a representative of BP Oil Pipeline Company on site giving permission. Contractor is cautioned that excavation that exposes, or significantly reduces the cover over, a BP Oil Pipeline Company pipeline may have to be delayed to meet operating pressure requirements. The contractor is responsible for taking all necessary safety precautions and will be held responsible for any damage caused to the pipeline or property as a result of his work.

All activities within the vicinity of Koch's pipeline shall be conducted with extreme caution and only when an inspector from Koch is present. Contractor is to notify Mr Frank Maraia (504-469-5903 ext. 224 in Kenner, LA) at least two days, but not more than five days, prior to beginning work in the vicinity of the line, so that Koch may arrange for an inspector to be present. Contractor will cooperate with Koch inspector in scheduling the work. Contractor will notify the Louisiana One Call Center (1-800-272-3020) forty-eight (48) hours before working in the vicinity of Koch's pipeline. Koch's pipeline will not be removed from service nor will the elevation or placement of the pipeline be adjusted. Contractor shall be responsible for any pipe replacement, coating repair, and/or product loss should damage occur to Koch's pipeline while Contractor is performing above described operations.

Please be sure to closely review the requirements mentioned above to note anything that may need to be included in contract specifications, such as notification periods, physical construction and/or maintenance servitude limits, or the addition of the landowner or the State as an additional insured on any existing insurance policies of the contractor. In cases where the federal sponsor is the contracting party, please notify the agency project manager of the completion of landrights. PLEASE CONTACT ME AND THE BIOLOGICAL MONITORING PROJECT MANAGER AS SOON AS POSSIBLE TO SCHEDULE A WRAP-UP MEETING TO DISCUSS THE REQUIREMENTS IN THE DOCUMENTS WHICH MAY HAVE AN IMPACT ON CONTRACTING SPECIFICATIONS. Thank you for your attention to this matter.

c: Quin Kinler, NRCS  
John F. Parker, Office of General Counsel  
Michael Sealy, CRD Project Monitoring Manager  
Project File #BA-23

**APPENDIX D: DIRECTIONS TO BOAT LAUNCH**



**APPENDIX E: DAILY PROGRESS REPORT FORM**

**DAILY PROGRESS REPORT No. \_\_\_\_\_ By CONTRACTOR COMPANY NAME****Barataria Waterway West Maintenance Project (BA-23)**

<b>General Information</b>			
Report Start	Date:	Time:	Report Prepared By:
Report End	Date:	Time:	CPRA Project Representative:
<b>Weather</b>			
Conditions:	Cloudy / Clear / Fog / Windy	Tide Range (ft NAVD88)	Low: High:
Precipitation:	in.	Seas:	Calm / Light Chop / Rough
Wind Speed:	mph	Maximum Wave Height:	feet
Wind Direction:	degrees from north	Temperature:	°F
<b>Safety</b>			
Safety Incidents:		Safety Meeting Topic:	
<b>Active Field Orders / Change Orders / Claims / Requests for Information</b>			
FO / CO / Claim / RFI	No.:	Status:	
FO / CO / Claim / RFI:	No.:	Status:	
FO / CO / Claim / RFI:	No.:	Status:	
<b>Monitoring</b>			
Aids to Navigation:	Installed / Operational / Removed	Mechanical Dredge Time:	hours
Dewatering Structures:	Installed / Operational / Removed		
Dikes:		Down Time:	hours
<b>Notifications to the Engineer</b>			
Survey Start (2 days):	Precon / Process / As-built	Payment /Acceptance Request:	No. For:
Field Survey Complete:	Precon / Process / As-built	Pile Driving (1 day):	
Permit Violation:		Pile Tip Elevation Unattainable:	
Dike Failure / Breach:	No / Yes (Sta: )	Borrow Area Infraction:	No / Yes (Info: )
<b>Construction</b>			
Levee Restoration		Slip Lining	
Fill Placement	% Complete	Cofferdam Installation	% Complete
Woven Fabric Placement	% Complete	Dewatering	% Complete
RipRap Placement	% Complete	Liner Pipe Installation	% Complete
		Grouting	% Complete

## **APPENDIX F: BENCHMARK BA41-SM01**





**VICINITY MAP** Not to Scale

Reproduced from Louisiana 2005 DOQQ

## Station Name: "BA41-SM01"

**Location:** Located in Jefferson Parish, Louisiana, approximately 1.3 miles southeasterly from the boat launch on Bayou Barataria at the end of Jean Lafitte Blvd. south of Lafitte, Louisiana and is on the east bank of Bayou Barataria immediately north of the cut into the pen. The Monument is located 16.8 feet northeast of a Texaco Pipeline Sign and 26.5 feet northeast of a creosote post with PK Nail in the center. Permission is required for Right of entry from Webb-Milling. Prior to entry, please contact Skip Haller at (228) 832-7878 or (228) 324-6490.

**Monument Description:** NGS Style floating sleeve monument; 9/16" stainless steel rods driven 60 feet to refusal, set in a sand filled 6" PVC pipe with access cover set flush with the ground.

**Stamping:** BA41-SM-01

**Installation Date:** 2006 **Date of Survey:** November 2006

**Monument Established By:** JCLS

**For:** JCLS

### Adjusted NAD83 Geodetic Position (NSRS2007)

Lat. 29°38'36.00226" N  
Long. 090°05'44.42219" W

### Adjusted NAD83 Datum LSZ (1702) Ft (NSRS2007)

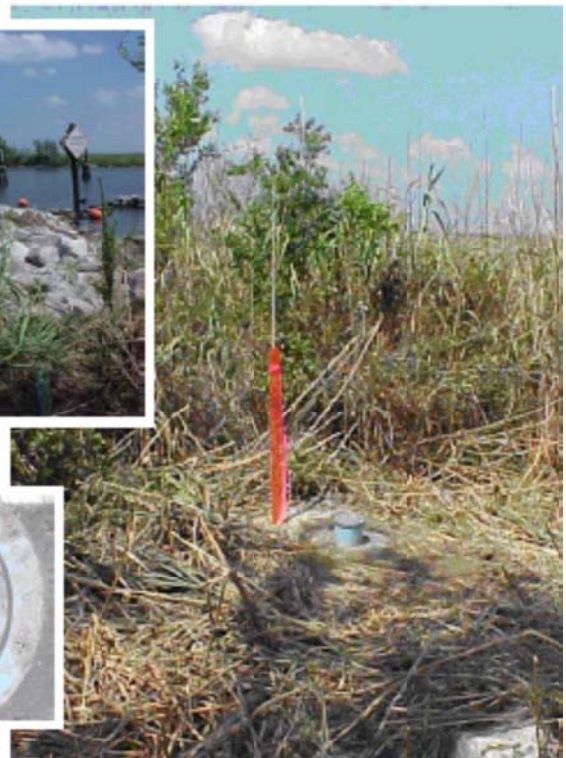
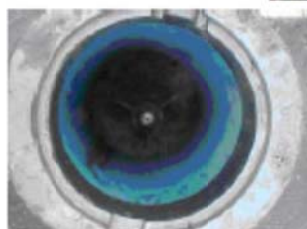
N= 417,912.61  
E= 3,673,985.63

### Adjusted NAVD88 Height (2006.81)

Elevation = 4.22 feet (1.286 mtrs)

Ellipsoid Height = -23.820 mtrs.

Geoid03 Height = -25.106 mtrs. (2004.65)



**APPENDIX G: CHANGE ORDER FORM**



Barataria Waterway West Maintenance Project (BA-23)  
CHANGE ORDER NO. :

**OWNER:** State of Louisiana, Coastal Protection & Restoration Authority

**CONTRACTOR:** \_\_\_\_\_

The following changes are hereby proposed to be made to the Contract Documents:

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Change in Contract Price		Change in Contract Time	
Original Contract Price	\$	Original Contract Time	Days
Net Increase /(Decrease) from previous Change Orders	\$	Net Increase /Decrease from previous Change Orders	Days
Contract Price prior to this Change Order	\$	Contract Time prior to this Change Order	Days
Net Increase/(Decrease) of this Change Order	\$	Net Increase (Decrease) of this Change Order	Days
Contract Price with this Change Order	\$	Contract Time with this Change Order	Days

BID ITEM NO.	DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	BID QUANTITY	ADJUSTED QUANTITY	AMOUNT OVERRUN	AMOUNT UNDERRUN
Net Difference of this Change Order							

**RECOMMENDED:**

By: \_\_\_\_\_  
CPRA Engineer

**RECOMMENDED:**

By: \_\_\_\_\_  
CPRA Construction Engineer

**ACCEPTED:**

By: \_\_\_\_\_  
Contractor

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**APPENDIX H: RECOMMENDATION OF ACCEPTANCE FORM**

❖ NOT FOR RECORDATION PURPOSES ❖

## RECOMMENDATION OF ACCEPTANCE

TO: Coastal Protection and Restoration Authority  
450 Laurel Street, Suite 1501  
Baton Rouge, LA 70801

FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE: \_\_\_\_\_

PROJECT NAME & NUMBER: \_\_\_\_\_

SITE CODE: \_\_\_\_\_ STATE ID: \_\_\_\_\_ CFMS: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_  
\_\_\_\_\_

ORIGINAL CONTRACT AMOUNT: \$ \_\_\_\_\_

FINAL CONTRACT AMOUNT: \$ \_\_\_\_\_

DATE OF ACCEPTANCE: \_\_\_\_\_

CONTRACT DATE OF COMPLETION: \_\_\_\_\_

NUMBER OF DAYS (OVERRUN) (UNDERRUN) (As of Acceptance Date) \_\_\_\_\_

LIQUIDATED DAMAGES PER DAY STIPULATED IN CONTRACT \$ \_\_\_\_\_

VALUE OF PUNCH LIST \$ \_\_\_\_\_

*(Attach punch list)*

Signed: \_\_\_\_\_  
ENGINEER

**FOR USE OF PROJECT MANAGER:**

Signed: \_\_\_\_\_  
PROJECT MANAGER

❖ NOT FOR RECORDATION PURPOSES ❖