

**BID DOCUMENTS  
FOR  
LAKE CHAPEAU SEDIMENT INPUT AND HYDROLOGIC  
RESTORATION PROJECT – 2018 MAINTENANCE EVENT  
Project No. TE-0026  
TERREBONNE PARISH, LOUISIANA**



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

**APRIL 2018**

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1.	TITLE SHEET
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## **ADVERTISEMENT FOR BIDS**

Sealed bids will be received for the State of Louisiana by the Coastal Protection and Restoration Authority, 150 Terrace Avenue, 4<sup>th</sup> Floor Conference Center, Baton Rouge, Louisiana 70802 until **2:00 P.M., Thursday, June 7, 2018.**

ANY PERSON REQUIRING SPECIAL ACCOMMODATIONS SHALL NOTIFY THE COASTAL PROTECTION AND RESTORATION AUTHORITY OF THE TYPE(S) OF ACCOMMODATION REQUIRED NOT LESS THAN SEVEN (7) DAYS BEFORE THE BID OPENING.

FOR: **Lake Chapeau Sediment Input and Hydrologic Restoration Project – 2018 Maintenance Event  
Terrebonne Parish, Louisiana**

PROJECT NUMBER: **TE-0026**

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/rfps-rsiqs-contracts/bids/>. Printed copies can also be obtained from:

COASTAL PROTECTION AND RESTORATION AUTHORITY (CPRA)

150 Terrace Avenue  
Baton Rouge, LA 70802  
Attn: Allison Richard

E-mail: [cpa.bidding@la.gov](mailto:cpa.bidding@la.gov) Phone: (225) 342-5453 Fax: (225) 800-5599

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 10:00 AM on Thursday, May 24, 2018 at CPRA Thibodaux Regional Office,**  
**1440 Tiger Drive, Suite B, Thibodaux, LA 70802**

Bids shall be accepted only from those bidders who attend the Mandatory Pre-Bid Conference in its entirety.

Contact Benjamin Hartman at (985) 449-5073 if directions are needed to the Mandatory Pre-Bid Conference.

The jobsite visit will not be conducted by CPRA. It is the responsibility of all potential bidders to visit the job site to assess the location, logistics, and site conditions prior to bidding.

Bids shall be accepted from Contractors who are licensed under LA. R.S. 37:2150-2192 for the classification of **Heavy Construction, and/or Subclassification: Coastal Restoration & Habitat Enhancement.** 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) calendar 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 Entrepreneurships Program. Bidders are encouraged to consider participation. Information is available from Coastal Protection and Restoration Authority or on its website at <http://www.coastal.la.gov/>.

STATE OF LOUISIANA  
COASTAL PROTECTION AND RESTORATION AUTHORITY  
MICHAEL R. ELLIS, EXECUTIVE DIRECTOR

## INSTRUCTIONS TO BIDDERS

### COMPLETION TIME:

The Bidder shall agree to fully complete the contract within **Sixty (60)** 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/her 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 the Coastal Protection and Restoration Authority 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:

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

Bids sent by express delivery shall be delivered to:  
Coastal Protection and Restoration Authority  
150 Terrace Avenue  
Suite 100  
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.

## **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 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.

# LOUISIANA UNIFORM PUBLIC WORK BID FORM

**TO:** Coastal Protection and Restoration Authority  
150 Terrace Avenue  
Suite 100  
Baton Rouge, LA 70802  
*(Owner to provide name and address of owner)*

**BID FOR:** Lake Chapeau Sediment Input  
And Hydrologic Restoration Project  
2018 Maintenance Event  
Project (TE-0026)  
*(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: Coastal Protection and Restoration Authority and dated: April 2018.  
*(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 FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:**

\* 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.

\*\* **A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public work as prescribed by 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 R.S. 38:2218(A) attached to and made a part of this bid.

# LOUISIANA UNIFORM PUBLIC WORKS BID FORM

## UNIT PRICE FORM

**TO:** Coastal Protection and Restoration Authority  
 150 Terrace Avenue  
 Suite 100  
 Baton Rouge, LA 70802  
*(Owner to provide name and address of owner)*

**BID FOR:** Lake Chapeau Sediment Input  
 And Hydrologic Restoration Project  
 2018 Maintenance Event  
 Project (TE-0026)  
*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.# ____ Weir Degradation			
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.# ____ Barricade, Timber Piling, and Sign Removal			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION ( <i>Quantity times Unit Price</i> )
3	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

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

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

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

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 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 percent (5%) 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 than 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)



**LAKE CHAPEAU SEDIMENT INPUT  
AND HYDROLOGIC RESTORATION PROJECT  
2018 MAINTENANCE EVENT**

**Name of Project**

**TE-0026  
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.

**LAKE CHAPEAU SEDIMENT INPUT**  
**AND HYDROLOGIC RESTORATION PROJECT**  
**2018 MAINTENANCE EVENT**  
**Name of Project**

**TE-0026**  
**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 \_\_\_\_\_, 2018, 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 **\$ 1,500.00** 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 seven (7) 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**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

Michael Ellis, Executive Director

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

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

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

ATTORNEY IN FACT

\_\_\_\_\_

\_\_\_\_\_  
ADDRESS

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

STATE OF LOUISIANA  
PARISH OF TERREBONNE

PROJECT NO.: TE-0026  
NAME: LAKE CHAPEAU SEDIMENT INPUT  
AND HYDROLOGIC RESTORATION PROJECT  
2018 MAINTENANCE EVENT  
**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 \_\_\_\_\_, 2018.

\_\_\_\_\_  
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 pertains 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 responsive and 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, 2016 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 Coastal Protection and Restoration Authority, 150 Terrace Avenue, Suite 100, Baton Rouge, Louisiana 70802.

### 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 and/or Job Site Visit may be held at the location and on the date provided in the Advertisement For Bids. 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 in its entirety. Failure to attend a mandatory Pre-Bid Conference and/or mandatory Job Site Visit in its entirety will result in a null or void Bid.

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, 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 Instructions To Bidders.

Unless otherwise noted in the Contract Documents, Contract Time will be on a calendar day basis. Contract Time shall consist of the number of calendar days stated in the Instructions To Bidders and the Contract beginning with the date noted in the written Notice to Proceed, including Saturdays, Sundays, holidays and non-work days.

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

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.

If adverse weather conditions are the basis for a claim for additional time, the Contractor shall document that weather conditions had an adverse effect on the scheduled construction. An increase in Contract Time due to weather shall not be cause for an increase in the contract sum.

## 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 Progress schedule must reflect the anticipated adverse weather delays described in GP-7 on all weather dependent activities.

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 compliance with the Progress Schedule and Contract Time.

#### 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 aids (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 the appendices of the Contract Documents. 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 the appendices of the Contract Documents. 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 811 or (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 may 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 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-54 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-55 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-56 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:

- 56.a.1 A written warranty by the manufacturer for each piece of installed project equipment or apparatus furnished under the Contract.
- 56.a.2 Any necessary repair or replacement of the warranted equipment during the guarantee period at no cost to the Owner.
- 56.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:

- 56.b.1 Abuse or improper modification, maintenance, or operation by anyone other than the Contractor; or
- 56.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:

- 56.c.1 Observations by the Owner or Engineer; or
- 56.c.2 Recommendations by the Engineer or payment by the Owner; or
- 56.c.3 Use of the Work by the Owner; or
- 56.c.4 Issuance of a notice of acceptance by the Owner pursuant to the provisions of GP-53, or failure to do so; or
- 56.c.5 Any inspection, test, or approval by others; or
- 56.c.6 Any correction to non-conforming work by the Owner.

## GP-57 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-58 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.

A Subcontractor Report (included in the appendices of the Contract Documents) should be submitted by the Contractor with each request for partial payment, to be used for informational purposes only by CPRA.

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-59 PAYMENTS WITHHELD

In addition to the percentage provided for in Section GP-58 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, from any amounts which may be due and owed the Contractor for work performed under the contract.

#### GP-60 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-61 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-62 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-63 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-64 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:

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

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

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

64.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 Work to be performed is located in Terrebonne Parish, Louisiana, on a segment of rock, metal barricade, and timber piles across a canal leading from Four League Bay into Point Aux Fer Island. The project is only accessible by boat; the nearest launch is the Jessie Fontenot Boat Launch in Berkwick, LA. The Work site is located along the west bank of Four League Bay bordering Point au Fer Island in Terrebonne Parish, Louisiana; the approximate coordinates of the location of work are Latitude 29°19'9.87"N, Longitude 91°12'58.84"W.

The Work Site is private and permission to access land shall be obtained from Randy Moertle at (985) 856-3630.

### **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, and degradation of the TE-26 Structure No. 4, and removal of existing timber barricade system. The Work shall be performed in accordance with these Specifications and in conformity to 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 Site Examination: Bidders are required to examine the Project Site. Investigation of the Project Site may show that sand bars, mudflats, rock, logs, stumps, snags, debris and other obstructions may be encountered. No payment for removal or disposal of these obstructions shall be made.
  - 2.1.1 The Contractor shall become familiar with the location and conditions of the Project Site. The Contractor shall be aware of shallow waters, stumps, logs, sand bars, mudflats, and any obstructions near the site. Marine maps showing the location of nearby structures, channels, sandbars, and other pertinent information may be obtained from the U.S. Coast Guard;
  - 2.1.2 The Contractor is advised to visit the Project Site and determine the best unloading and staging locations. The Contractor shall be responsible for securing all staging and unloading locations. The Contractor shall use maps and information for the Project Site area, but must always judge site conditions because of changing conditions of tides and currents. No additional compensation shall be allowed for difficult access due to adverse weather and low tides. All barge equipment and other work vessels on site shall be floating at all times. The Contractor shall verify the types of equipment necessary for accessing the Project Site and completing the Work as specified.
- 2.2 Mobilization and Demobilization: Mobilization consists of preparatory work and operations, including those necessary for movement of personnel, equipment, supplies and incidentals to the project site; the establishment of offices, buildings and other facilities necessary for work on the project; the cost of bonds and any required

insurance; and other preconstruction expenses necessary for start of the Work, excluding the cost of construction materials.

- 2.3 Weir Degradation:The scope of this task includes the mechanical excavation and placement of rock from rock Weir No. 4 in accordance with these specification and in conformity to lines, grades, and thicknesses shown on the plans or as directed by Engineer.
- 2.4 Barricade, Timber Pile, & Sign Removal: The scope of this work includes removing and satisfactorily disposing of materials such as timber piles, pile caps, warning signs, steel barricades, fastening hardware and other features incorporated into the rock weir's barricade system.
- 2.5 Surveying: The scope consists of surveying of all transects required in this specification or shown on the plans. An existing benchmark in the area shall be used for horizontal and vertical control. Data sheets for this benchmark is included as Appendix G. All surveying work listed in this section shall be performed under the direct supervision of a professional surveyor licensed in state of Louisiana unless stated otherwise. All drawings shall be stamped by the surveyor. All surveying shall reference the North American Datum of 1983, Louisiana South Zone, U. S. Survey Feet. All plan view drawings shall be drawn in the North American Datum of 1983, Louisiana South Zone, U. S. Survey Feet.

Prior to construction, a Pre-Construction Survey shall be performed on the Rock Weir as specified in TS-3. This includes a magnetometer survey. An As-Built survey will be required to ensure rock placement conforms with the lines and grades outlined in the plans and specifications. After construction is complete, the Contractor shall develop an As-Built Survey for final Acceptance of the Work.

- 2.6 Existing Infrastructure: 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 Project Site. The Owner will not be held responsible for damage to the Contractor's equipment, employees, subcontractors, adjacent property owners, or anyone else connected with this project due to encountering objects above and below the water line.

Existing infrastructure, where indicated on the Plans, is 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, the contractor 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. The equipment used for the Work shall be operated within the boundaries of the Project Construction Limits and away from existing vegetated wetlands or any other sensitive areas. The Contractor shall be responsible for returning all disturbed wetlands to existing, pre-construction conditions at no expense to the Owner. ***The use of Flotation Channels on this project is prohibited.*** Construction operations shall be performed during daylight hours only unless approved by the Engineer. Work hours will be

restricted to weekdays during daylight hours unless otherwise authorized by the engineer.

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

<b>Milestone</b>	<b>Location or Recipient</b>	<b>Date Due</b>	<b>Specification</b>
Advertisement For Bids	Publications	As advertised	N/A
Mandatory Pre-Bid Conference	Provided in Advertisement for Bids	As advertised	Advertisement for Bids
Questions on Bid Documents	Deliver to CPRA	As Announced at Pre-Bid Conference	GP-5
Effective Date of Contract	Contractor and Owner	Stated in Contract	Contract
Start of Contract Time	Contractor and Owner	As stated in Notice to Proceed	GP-7
List of Subcontractors	Submit to Engineer	Prior to awarding subcontracts	GP-19
Work Plan	Submit to Engineer	At least 14 days prior to Pre-Construction Conference	GP-8
Progress Schedule	Submit to Engineer	At least 14 days prior to starting construction, bi-weekly thereafter	GP-9
Daily Progress Report	Submit to Engineer	12:00 PM each day from mobilization to demobilization	GP-10
Pre-Construction Conference	Contractor and Engineer	As determined by the Engineer after Notice to Proceed is issued	GP-14
Progress Meetings and Reports	At Project Site	Daily or as determined at the Pre-Construction Conference	GP-13, GP-39
Date(s) the Equipment are on Premises	Submit to Engineer	30 days after receipt of Notice to Proceed	SP-4
Pre-Construction Survey	Submit to Engineer	14 working days prior to anticipated start of Construction	
Start of Work	Submit to Engineer	2 weeks after equipment has arrived on site	SP-4
Process Surveys	Submit to Engineer	5 working days after notification that field data collection for each process survey is complete	
Delivery Slips	Submit to Engineer or Resident Project Representative	Upon arrival to Project Site	SP-4
Final Inspection and Acceptance	Submit to Engineer	Upon completion of Work	GP-53
As-Built Drawings	Deliver to Engineer	Prior to Final Inspection as scheduled by the Engineer	GP-54
Written Notice of Completion of Work	Deliver to Engineer	Upon completion of Work	GP-53
End of Contract Time	At Project Site	60 calendar days after Notice to Proceed	Instructions to bidders

SP-4 DELIVERABLES

4.1 Prior to Construction: The contractor shall submit the following documents to the engineer prior to the Pre-Construction Conference specified in GP-14:

- 4.1.1 Work Plan as specified in GP-8;
- 4.1.2 Progress Schedule as specified in GP-9;
- 4.1.3 Copy of typical Daily Progress Report as specified in GP-10.
- 4.1.4 Hurricane and Severe Storm Plan as specified in GP-11;
- 4.1.5 Sample Invoice;
- 4.1.6 Health and Safety Plan as specified in GP-12;
- 4.1.7 Records of communication between the Contractor and private property owners, pipeline operators, government agencies, etc.
- 4.1.8 The estimated duration of operations;
- 4.1.9 The anticipated date(s) for site layout and staking;
- 4.1.10 The anticipated initiation of equipment at the work location;

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

- 4.1.11 Revised Work Plan incorporating CPRA comments as specified in GP-8;

4.2 During Construction: The Contractor shall provide the following information to the Engineer during construction:

- 4.2.1 Daily Progress Reports as specified in GP-10. Details shall include a daily record of work performed such as number of timber piles removed, number of signs removed, surveys conducted, linear feet of barricade removed, duration of activities, Field or Change Orders, compliance with the approved Work Schedule, weather conditions (wind speed and direction, temperature, seas, sky conditions, and precipitation), and non-working days which shall be included with the weekly reports of progress. The daily reports shall be submitted to the Engineer at the weekly progress meeting, unless otherwise instructed by the Engineer;
- 4.2.2 The results of all surveys and calculations as specified in TS-3 ;
- 4.2.3 Progress Scheduled as specified in GP-9;



- 4.2.4 Copies of all inspection and monitoring reports;
- 4.2.5 All Change Orders, Field Orders, Claims, Clarifications, and Amendments;
- 4.2.6 The Contractor shall contact the Engineer a minimum of five (5) working days prior to the anticipated completion of the Work in order to schedule the final inspection.

If the Contractor fails to comply with any of the stipulations as stated in GP-8, the Engineer shall consider the Contractor negligent in his duties and reserves the right to issue a Stop Work Order until all stipulations are complied with at the Contractor's expense.

#### 4.3 Post Construction

The Contractor shall contact the Engineer by phone or email, 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. The following documents shall also be submitted to the Engineer:

- 4.3.1 Copy of the Contract Documents at the site in proper order and marked to show all Field and Change Orders made by the Owner;
- 4.3.2 Construction survey drawings as indicated in the General Provisions and Technical Specifications showing the location of rock and other project features. Any lines, points, polygons, or other shapes used to specify the location must be accompanied by GPS data. As-built information shall be red-lined on project plans. The markups can be electronically submitted on the original plans provided.

#### SP-5 CONTACT INFORMATION

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 Allison Richard of the Coastal Protection and Restoration Authority. The address and contact information is as follows:

150 Terrace Avenue  
Baton Rouge, La. 70802  
P.O. Box 44027  
Baton Rouge, La. 70804-4027  
225-342-5453 (Phone)  
225-800-5599 (Fax)  
Email: [cpra.bidding@la.gov](mailto: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 Engineers are listed as follows:

CPRP Project Engineer

Benjamin Hartman, P.E.  
1440 Tiger Drive, Suite B  
Thibodaux, Louisiana 70301  
Phone: 985-449-5073  
E-mail: benjamin.hartman@la.gov

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-6 LANDOWNER REQUIREMENTS

The Owner has obtained temporary easement, servitude, and right-of-way agreements required for construction of the Project. The agreements executed with landowners for the Work at the site contain special requirements pertaining to insurance and any potential access routes. The Contractor shall abide by stipulations set forth by the respective landowners (Grantors). The Contractor shall work cooperatively with the Owner to address the notification and coordination requirements with the landowners. The contractor must contact the landowner prior to accessing the project site.

#### SP-7 PROTECTION OF WORK

The area may be subject to tidal flows of water and tidal fluctuation during work. It shall be the responsibility of the Contractor to protect his work and equipment from damages due to tidal flows and water level variations in adjacent water bodies, site access routes, canals, and ground water. The Owner shall not be held liable or responsible for delays or damages to the Contractor's work or equipment resulting from inflows of surface or ground water or other conditions.

#### SP-8 WORK PLAN SUPPLEMENTAL

The following items shall be included in the Work Plan in addition to those required by GP-8:

- 8.1 The types of equipment the Contractor proposes to use for delivering equipment and transporting materials, personnel, etc.
- 8.2 The estimated Work Schedule that shows the planned schedule of dates and time lines for the major elements of work required to complete the Work described in these Specifications, including but not limited to the anticipated dates of the following:
  - 8.2.1 The anticipated dates equipment is to be delivered to project site
  - 8.2.2 The anticipated date(s) for the site layout and staking;
  - 8.2.3 The anticipated initiation of mag surveying, pre-construction bathymetric/topographic, surveying, barricade removal, sign removal, rock degrading, and As-Built surveying; i.e. the schedule of major tasks within this scope.
  - 8.2.4 The estimated duration of construction operation.

The Work Plan shall be submitted to the Engineer prior to the Pre-Construction Conference by the date provided in Special Provisions. The Engineer shall review the Work Plan and have the Contractor make any necessary revisions prior to acceptance of the plan.

#### SP-9 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, the sum of fifteen hundred dollars (\$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-10 COMMENCEMENT, EXECUTION AND COMPLETION

The Contractor shall be required to attend a pre-construction conference under the Contract immediately following the Notice to Proceed from the Owner and before the work begins. Work shall be conducted in such a manner and with sufficient materials, equipment and labor as is considered necessary to insure its completion within the time limit specified.

#### SP-11 TIME EXTENTIONS FOR UNUSUALLY SEVERE WEATHER

This provision specifies the procedure for the determination of time extensions for unusually severe weather in accordance with GP-9 and GP-44. In order for the Owner to award a time extension under this clause, the following conditions must be satisfied:

- 11.1 The weather experienced at the Project Site during the Contract Time must be found to be unusually severe; that is, more severe than the adverse weather anticipation for the Project Site during any given month as listed in GP-9;
- 11.2 The unusually severe weather must actually cause a delay to the completion of the Project. The delay must be beyond the control and without the fault or negligence of the Contractor. Throughout the Contract, the Contractor will record on the Daily Progress Report, the actual occurrence of adverse weather and resultant impact to normal scheduled work. Actual adverse weather delay days must prevent work on critical activities for fifty percent (50%) or more of the Contractor's scheduled work day. The number of actual adverse weather delay days shall include days impacted by actual adverse weather (even if adverse weather occurred in previous month) be calculated chronologically from the first to the last day of each month, and be recorded as full days. If the number of actual adverse weather delay days exceeds the number of anticipated days, the Engineer may grant an extension of Contract Time, giving full consideration for equivalent fair weather work days, in accordance with GP-44.

#### SP-12 TRANSPORTATION

The Contractor shall provide a safe and reasonable means of transportation to and from the dock work area for his employees, the Engineer, the Federal Sponsor, and the Resident Project Representative throughout the Work.

From Layout until Final Inspection and Acceptance, the Contractor shall provide transportation

to and from the dock, staging area and work areas for a maximum of two (2) personnel, seven (7) days per week. The schedule for dates, times, and pickup location for transportation shall be arranged by the Engineer with the Contractor prior to mobilization.

The Contractor shall also provide daily transportation for the Resident Project Representative to and from the dock, staging area, and work areas.

#### SP-13 SITE ACCESS

The project is only accessible by boat; the nearest launch is the Jessie Fontenot Boat Launch in Berkwick, LA. The Work site is located along the west bank of Four League Bay on the north end of Point au Fer Island in Terrebonne Parish, Louisiana.

The Contractor shall visit the Project Site and determine the best unloading and staging locations. Transportation from the unloading and staging locations to the excavation and placement areas may be limited to specific access corridors approved and by the Engineer and the Contractor during construction. The Contractor shall verify the types of equipment necessary for accessing the site and completing the Work as specified.

The Contractor shall abide by all rules, regulations, traffic regulations, site restrictions and any other rules and stipulations and shall be responsible for any damage or repairs to access routes, roads, boat launches, and staging areas and all private facilities and properties as outlined in GP-22 and GP-51.

The Project Site access routes, rights of way, road, boat launch, and staging areas shall be kept free from accumulation of debris, trash or other incidentals and shall be clean prior to Final Acceptance and Inspection by the Engineer and demobilization.

#### SP-14 OYSTER LEASE RESTRICTIONS

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

#### SP-15 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.

##### 15.1 Minimum Scope and Limits of Insurance

###### 15.1.1 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.

#### 15.1.2 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:

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

#### 15.1.3 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 automobiles and/or watercraft, and such vehicles are utilized in the execution of the contract, then hired and non-owned coverage is acceptable. If automobiles and/or watercraft are not utilized in the execution of the contract, then automobile and/or watercraft coverage is not required.

#### 15.1.4 Excess Umbrella

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

#### 15.1.5 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.

#### 15.1.6 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.

### 15.2 Other Insurance Provisions

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

#### 15.2.1 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.

#### 15.2.2 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.

#### 15.2.3 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.

#### 15.2.4 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.

#### 15.2.5 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:

State of Louisiana  
Coastal Protection and Restoration Authority  
150 Terrace Avenue  
Baton Rouge, La. 70802  
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.

#### 15.2.6 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.

#### 15.2.7 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.

#### 15.2.8 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.

### 15.3 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.

**END OF PART II – SPECIAL PROVISIONS**

### **PART III      TECHNICAL SPECIFICATIONS**

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

- 1.2      Description: Mobilization consists of preparatory work and operations, including those necessary for movement of personnel, equipment, supplies and incidentals to the Project Site; the establishment of offices, buildings and other facilities necessary for Work on the project; the cost of bonds and any required insurance; and other preconstruction expenses necessary for start of the Work, excluding the cost of construction materials. Such costs include, but are not limited to, the following:
- 1.3      Arbitrary Mobilization by Contractor: No compensation will be made for any remobilization that may be required because of inclement weather, or any other circumstance. Should the Contractor elect to demobilize prior to completing the project, such demobilization and subsequent remobilization shall be at no cost to the Owner.
- 1.4      Ratio of Mobilization and Demobilization Effort: Sixty percent (60%) of the mobilization/demobilization lump sum price will be paid to the Contractor upon completion of his mobilization at the Work site and the remaining forty percent (40%) will be paid to the Contractor upon completion of demobilization.
- 1.5      Justification of Mobilization Costs: In the event that the Engineer considers the amount in this item an unreasonable relation to the cost of the Work in this contract, the Engineer may require the Contractor to produce cost data to justify this portion of the bid. Failure to justify such price 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 costs at the completion of 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.
- 1.6      Measurement and Payment: All costs connected with mobilization and demobilization of the entire Contractor's equipment, personnel, and those of his subcontractor and other such costs as may be denoted in the Contract Documents shall be paid at the Contract unit price per lump sum for Bid Item No.1 "Mobilization/Demobilization".

#### **TS-2    WEIR DEGRADATION**

- 2.1      Description: TE-26 Structure 4 consists of a 250 Linear Foot quartz rock riprap structure and a lightweight aggregate core wrapped with geotextile. The rock riprap has a mean stone size of 250-lb class rock having a D50 diameter of 1.83 feet. Encapsulated within the 250-lb stone is reef shell (approximate unit weight 70 pounds per cubic foot) or crushed stone (approximate unit weight 95 pcf), which is wrapped within geotextile fabric. Degradation of Structure 4 consists of all work required to degrade the existing rock weir located above the elevation of -8 feet NAVD 88, and removal of the 4 articulated concrete mats. The Maximum Height of the degraded weir shall be interpreted as the final maximum grade of any part of the structure located within the limits of the proposed work area as shown on the Plans. The grade of the structure shall not be modified if that portion of the structure is already located at or below an elevation of -8 feet NAVD 88.

- 2.2 Degradation: Degradation of the rock weir structure consists of removing rock and light weight aggregate core that exists at an elevation greater than or equal to -8 feet NAVD 88, and removal and offsite disposal of geotextile fabric and articulated concrete mats as shown in the Plans. The rock weir shall be degraded in open water and adjacent to the existing shoreline. The Contractor shall not be allowed to dredge or remove any rock that may cause damage to existing marsh or water bottoms. The Contractor is allowed to use any equipment necessary provided that it is submitted for approval in the work plan and that no equipment rests or passes on the marsh. It is the contractor's responsibility to examine the site prior to mobilization to determine the appropriate equipment necessary to perform the work.
- 2.2.1 Elevation and Tolerances: The final maximum elevation of the degraded rock weir structure in open water shall not be above an elevation of -8 feet NAVD 88 with a tolerance of -2 foot. In effect, the final maximum elevation of the degraded rock weir structure shall be within the range of -8 feet to -10 feet NAVD 88. A tolerance of +1' will be allowed in areas where the rock weir intersects with existing marsh. Existing marsh shall not be disturbed during any and all efforts of weir degradation.
- 2.3 Placement of Rock: Placement of rock consists of repositioning any rock that is removed from the existing rock weir structure during degradation to a position located within the boundaries specified on the Plans. The Contractor shall make every effort to place rock uniformly. Any rock placed outside the limits of the plans shall be removed at the Contractor's expense and placed within the limits specified.
- 2.4 Geotextile Fabric: All geotextile fabric encountered during weir degrading operations shall be removed and disposed of by the contractor offsite. Payment for this work shall be included in the lump sum price for weir degradation.
- 2.5 Measurement and Payment: Payment for Weir Degradation will be made at the contract unit price per lump sum upon satisfactory review of the As-Built Survey by the Engineer. No payment will be made for surveys. Surveying is incidental to degrading operations.

### TS-3 SURVEYS

- 3.1 Description: The Contractor shall furnish all of the material, labor and equipment necessary to perform the Pre-Construction Survey and As-Built Survey and drawing sets of the various construction features specified on the Plans and these Specifications. Pre-Construction surveys will include a magnetometer survey and construction layout. All surveys shall be performed by personnel who are approved by the Engineer and under the direct supervision of a professional engineer or surveyor licensed in the state of Louisiana. The Contractor shall provide the schedule for the surveys and deliverables in the Work Plan. The As-Built survey shall be conducted upon completion of rock placement and subsequent to barricade, timber pile, and sign removal. It shall be conducted and certified by a professional licensed surveyor in the State of Louisiana and used to verify that all elevations & features outlined in the specifications and plans have been met. The track lines of all survey work shall be approved by the Owner. Cross sections shall be run perpendicular to the rock structure and extend 25' beyond the rock placement limits. A centerline

profile of the structure shall be included. The Owner reserves the right to modify track lines at any time.

- 3.2 Horizontal and Vertical Control: The base station should occupy LDNR Louisiana Coastal Zone (LCZ) benchmark monument “TE26-SM-01” with which should be used to collect horizontal and vertical data along the transects. For quality control, the GPS Base Receiver should be set up on an existing project control point with an established horizontal position and elevation while the Rover Receiver should be used to observe the other existing project control point checking into a pair of points set in the field. Monuments are referenced to the Lambert Conformal Conic Projection, Louisiana State Plane Coordinate System (South Zone), the North American Datum of 1983 (NAD83, U.S. Survey Feet) and the North American Vertical Datum of 1988 (NAVD88, U.S. Survey Feet).
- 3.3 Method: Surveys shall utilize conventional RTK surveying methods or an appropriate GNSS or GPS Real Time Network such as the Gulfnet Virtual Real-time Network (VRS). Where bathymetric survey equipment is used, boat-based echo soundings data shall be corrected to compensate for water-level fluctuations caused by surface waves and astronomical tides. All points along the transects shall be taken at 10 ft. intervals and all abrupt changes in elevations along the profile. Survey transects shall be surveyed perpendicular to the rock weir at 50 foot intervals. The survey shall be dense enough to produce an accurate account of existing water-bottom elevations and surface contours. This survey shall be referenced to the LDNR Louisiana Coastal Zone (LCS) GPS network. Any additional surveying required to collect additional data due to errors or poor planning shall be done at the expense of the Contractor. All deliverables shall be certified by a professional land surveyor licensed in the State of Louisiana. The Pre-Construction and As-built surveys shall be organized in a similar manner to existing plan documents, with sheets for plan, profile, and cross section views. Field notes shall accompany all survey drawings.

Topographic & Bathymetric survey equipment shall have a minimum vertical and positional accuracy of one-tenth (0.1) of a foot. A six (6) inch diameter metal plate shall be attached to the bottom of the survey rod to prevent the rod from sinking below ground level. Magnetometer Survey Equipment shall have a minimum accuracy of 3 gammas throughout its operational range. Survey stakes utilized for topographic/bathymetric stakeout shall consist of bamboo cane of sufficient length to remain a minimum of two (2) feet above mean water level.

- 3.4 Pre-Construction Survey: The Pre-Construction Survey shall be used to verify the existing conditions at the Project Site and potentially modify the layout of the Work as deemed necessary by the Engineer, and lay out and stake out the Work. The Pre-Construction Survey shall show the existing bathymetry, topography, existing infrastructure and magnetic detections in plan and profile using markers, spot elevations, coordinates, contours, lines and grades. Transects for cross sections shall be run perpendicular to the rock structure at the same locations as the cross sections shown in the plans or as directed by the Engineer. The Pre-Construction Survey drawings shall be consistent with Plans, with sheets for magnetometer hits, plan/profile views, and cross sections and shall include the following items:

A methodology section shall contain but not be limited to the following information: project description, planning and layout of the survey, information on Secondary

Monument used as reference station, dates for each job task and key personnel involved, the GPS RTK survey including quality assurance (elevation check) procedures, equipment used for data collection, and downloading/processing procedures. This section shall be in Microsoft Word format.

Electronic survey data shall be submitted in ASCII format and shall contain the point number, x-coordinate, y-coordinate, elevation, and description (grid location, e.g. 4A-14A or settlement plate and rock segment). Survey data shall be reported in Louisiana State Plane Coordinates, South Zone in feet with elevations in feet. All survey data shall be referenced to the North American Datum of 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88).

11" x 17" plan view shall be created for the project area showing the lake bottom & rock elevations/contour data collected as part of the hydrographic surveying. The drawings shall be referenced to the Louisiana State Plan Coordinates, South Zone, and the North American Datum of 1983 (NAD 83) in feet. The information to be shown on drawings will include but not limited to the following: Project Name, Contract Party Name, digital aerial referenced to LA State Plane Coordinates, South Zone, NAD 83 in feet, profile and stations, transect locations and stations, labeling/description of secondary monuments and control points used (including x,y,z data), field book numbers, horizontal and vertical datum, survey dates, drawing dates, drawings scale, and north arrow. The drawing files shall be submitted with deliverables in Pdf and AutoCAD format (\*.dwg) and written to a compact disk (CD). The hard copies shall be half-sized (11"x17"). In addition to the plan view drawings, profile and cross section drawings showing each transect shall be provided. The information shown on profile drawings will be included but not limited to the items mentioned above and will be provided in the same format and method of delivery.

All infrastructure (Pipelines, power lines, etc.) that is located within one-hundred fifty (150) feet of the work area shall be surveyed and marked at a minimum of (5) foot intervals. The proposed methods for making the infrastructure shall be included in the Work Plan. Pipelines shall also be probed for depth of cover (top of pipe to existing ground) at fifty (50) foot intervals. For anomalies that exhibit amplitudes greater than 50 gammas, the depth and source of the anomalies shall be determined by running a 30 foot closed loop path and by probing. The Contractor shall determine if the sources of all anomalies will interfere with the performance of the Work and provide proposed corrective measures in the Progress Schedule. Failure by the Contractor to identify the sources of anomalies and provide corrective measures shall not provide grounds for any Claims against the Owner.

- 3.5 As-Built Survey: An As-Built Survey shall be conducted upon project completion, with topographic and bathymetric data being collected in the same fashion and location as the Pre-Construction Survey and Project Plans. Survey lines and transects shall be run in the previous locations, or as directed by the engineer. The Contractor is required to submit Drawings, Electronic Survey Data, and a Methodology section using the same guidelines outlined in Section 3.4.
- 3.6 Acceptance: The Contractor shall request for Acceptance after completion of each survey. The engineer shall determine Acceptance based on these surveys and the conformance of the Work to the Plans and Specifications.

- 3.6.1 Pre-Construction Survey: The Contractor may mobilize equipment but shall not start construction until the Preconstruction Survey is accepted by the Engineer. A fully compiled drawing set will be submitted to CPRA in both hard copy and .pdf formats. The Engineer shall be afforded a minimum of five (5) days from the date of receipt to review and either grant or deny Acceptance of the survey.
- 3.6.2 As-Built Survey: A fully compiled drawing set will be submitted to CPRA in both hard copy and .pdf formats. The Contractor shall prepare and deliver a complete **preliminary draft** copy of the drawings (including the inserted CD) described above to CPRA for review and comment no later than 21 days after completion of survey. The Contracting Party shall address all comments to the preliminary draft to the satisfaction of CPRA and submit one (1) **final** set of unbound originals described above to CPRA no later than 14 days after receiving comments from CPRA. The Engineer shall be afforded a minimum of five (5) days from the date of receipt to review and either grant or deny Acceptance of the survey. The drawings shall be delivered to the following CPRA representative:

Benjamin Hartman P.E.  
CPRA/Operation Division  
1440 Tiger Drive, Suite B  
Benjamin.hartman@la.gov  
Thibodaux, La 70301

TEL: (225) 954-1209  
FAX: (985) 447-0997

- 3.7 Measurement and Payment: All surveys will be incidental to the work and no direct pay will be made.

#### TS-4 BARRICADE, TIMBER PILING, AND SIGN REMOVAL

- 3.1 Description: This Work consists of furnishing and assembling the materials needed to remove the existing barricade, timber piling, and signs surrounding Weir No. 4 in accordance with these specifications and the project plans or as directed by the Owner.
- 3.2 Materials: The steel barricades on either side of Weir No. 4 are approximately 275' in length and comprised of two rows of 4" Galvanized SCH. 40 Pipe. The pilings consist of Class "B" Creosote Timber Piling (20 lb retention) with a minimum of 20' penetration into the ground or below mud line. Each piling is capped by 24"x24" 26 gage galvanized flashing. Lengths of the pilings vary by location and depth of water; see plan set and Appendix I for more specific details. The four warning signs consist of 3/32" Plate Aluminum and are 48"x48" square.
- 3.3 Removal: Steel barricades are to be removed in their entirety via cutting or other Owner approved alternatives. The Contractor shall completely remove each timber pile by individually pulling them from the ground. Cracking and cutting of Timber Piles is not authorized as this time. It is the contractor's responsibility to remove and dispose of all existing signs and accompanying mounting equipment. Existing structure features may vary from the details given in the contract plans and specifications; the Contractor shall be responsible for removing any additional project

material (timber piles, pile caps, signs, fastening hardware, barricades, etc) found on site at no additional cost.

All material removed shall become property of the Contractor and shall be removed from the site prior to demobilization.

- 3.4 Measurement and Payment: Payment will be made at the contract unit price per lump sum upon satisfactory review of the field conditions, including length of timber pilings removed.

### **END OF PART III – TECHNICAL SPECIFICATIONS**

## **APPENDIX A: SUBCONTRACTORS REPORT**



CURRENT INVOICE NO. \_\_\_\_\_  
PURCHASE ORDER NO. \_\_\_\_\_

**APPENDIX A, ATTACHMENT A1**  
**COASTAL CONSTRUCTION AND VEGETATIVE PROJECTS**  
**SUBCONTRACTOR REPORT**  
**PRIME CONTRACTOR**

Name & Address of Subcontractor(s)	\$ Value Paid to Subs for this Invoice Period	Cumulative \$ Value Paid to Subs for this Purchase Order

**APPENDIX B: REQUEST FOR INFORMATION FORM**

## DATE:

Summary of RFI by Contractor
Signature:

Response to RFI by Engineer
Signature:

**APPENDIX C: CHANGE ORDER FORM**

## CHANGE ORDER NO. \_\_\_\_

**OWNER:** State of Louisiana, Coastal Protection & Restoration Authority  
**CONTRACTOR** \_\_\_\_\_  
**PROJECT:** Lake Chapeau Sediment Input  
And Hydrologic Restoration Project  
2018 Maintenance Event  
Project (TE-0026)  
**PROJECT CODE:** \_\_\_\_\_  
**COST CENTER:** \_\_\_\_\_  
**ENGINEER:** Benjamin Hartman

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

•

### Description:

### Attachments (List Documents Supporting Change):

Change in Contract Price		Change in Contract Time	
Original Contract Price	\$0	Original Contract Time (Calendar Days)	0 Calendar Days
Net Increase (Decrease) from Previous Change Orders	\$0	Net Increase (Decrease) from Previous Change Orders (Days)	0 Calendar Days
Contract Price prior to this Change Order	\$0	Contract Time prior to this Change Order (Calendar Days)	0 Calendar Days
Net Increase (Decrease) of this Change Orders	\$0	Net Increase (Decrease) of this Change Order (Days)	0 Calendar Days
Contract Price with this Change Order	\$0	Contract Time with this Change Order (Calendar Days)	0 Calendar Days

### RECOMMENDED:

### RECOMMENDED:

### ACCEPTED:

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

By: \_\_\_\_\_  
CPRA Construction Manager

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

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

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

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

**Lake Chapeau Sediment Input and Hydrologic Restoration Project  
2018 Maintenance Event (TE-26)**

**PURCHASE ORDER NO:** \_\_\_\_\_

**SUMMARY OF CHANGE ORDER NO.** \_\_\_\_\_

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Original Quantity</b>	<b>Adjusted Quantity</b>	<b>Unit Price</b>	<b>Amount Overrun</b>	<b>Amount Underrun</b>
			<b>0</b>	<b>0</b>	<b>\$</b>	<b>\$</b>	
			<b>0</b>	<b>0</b>	<b>\$</b>	<b>\$</b>	
			<b>0</b>	<b>0</b>	<b>\$</b>	<b>\$</b>	
			<b>0</b>	<b>0</b>	<b>\$</b>	<b>\$</b>	
			<b>0</b>	<b>0</b>	<b>\$</b>	<b>\$</b>	
Total Amount Overrun:							<b>\$</b>
Total Amount Underrun:							<b>0.00</b>
<b>Net Increase (Decrease) of this Change Order</b>							<b>\$</b>

**JUSTIFICATION:**

**APPENDIX D: RECOMMENDATION OF ACCEPTANCE FORM**

❖ NOT FOR RECORDATION PURPOSES ❖

## RECOMMENDATION OF ACCEPTANCE

TO: Coastal Protection and Restoration Authority  
1440 Tiger Drive Suite B  
Thibodaux, LA 70301

FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
*Design Firm Name and Address*

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

PROJECT NAME & NUMBER: Lake Chapeau Sediment Input And Hydrologic Restoration Project 2018  
Maintenance Event Project (TE-0026)

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: \_\_\_\_\_  
DESIGNER

**FOR USE OF PROJECT MANAGER:**

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

❖ NOT FOR RECORDATION PURPOSES ❖



## **APPENDIX E: STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES**

## **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 and aware of the potential presence of manatees, manatee speed zones, and the need to avoid collisions with, and injury to, manatee. 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.

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 U.S. Fish and Wildlife 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 F: PERMITS OBTAINED BY OWNER**



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
7400 LEAKE AVENUE  
NEW ORLEANS, LOUISIANA 70118

REPLY TO  
ATTENTION OF:

Operations Division  
Central Evaluation Section

January 12, 2017

SUBJECT: MVN-1997-4707-CQ

National Marine Fisheries Service  
LSU South Stadium Road  
Military Science Building, Rm 266  
Baton Rouge, Louisiana 70803

Gentlemen:

The proposed work, to degrade and remove an existing rock weir (Weir No. 4) to prevent future potential navigation hazards and place the rock material in adjacent scour holes to help prevent erosion, for the Lake Chapeau Marsh Creation and Hydrologic Restoration project (TE-26), located within Terrebonne Parish, Louisiana, as shown on the enclosed drawings, is authorized under **Category I** of the **Programmatic General Permit** provided that all conditions of the permit are met.

This authorization has a blanket water quality certification from the Louisiana Department of Environmental Quality; therefore, no additional authorization from DEQ is required.

However, prior to commencing work on your project, you must obtain approvals from state and local agencies as required by law and by terms of this permit. These approvals include, but are not limited to, a permit, consistency determination or determination of "no direct or significant impact (NDSI) on coastal waters" from the Louisiana Department of Natural Resources, Office of Coastal Management.

The following special conditions are being made a part of this authorization:

1. Permittee shall adhere to the special conditions contained in the enclosed US Fish and Wildlife document, titled "Standard Manatee Conditions for In-Water Activities", to help avoid and/or minimize project related adverse effects to the West Indian manatee.
2. If the authorized project requires any additional work not expressly permitted herein, the permittee must obtain an amendment to this authorization prior to commencement of work.

This approval to perform work is valid for **5 years** from the date of this letter.

-2-

Permittee is aware that this office may reevaluate its decision on this permit at any time the circumstances warrant.

Should you have any further questions concerning this matter, please call Kenny Blanke of this office at (504) 862-1217.

Sincerely,

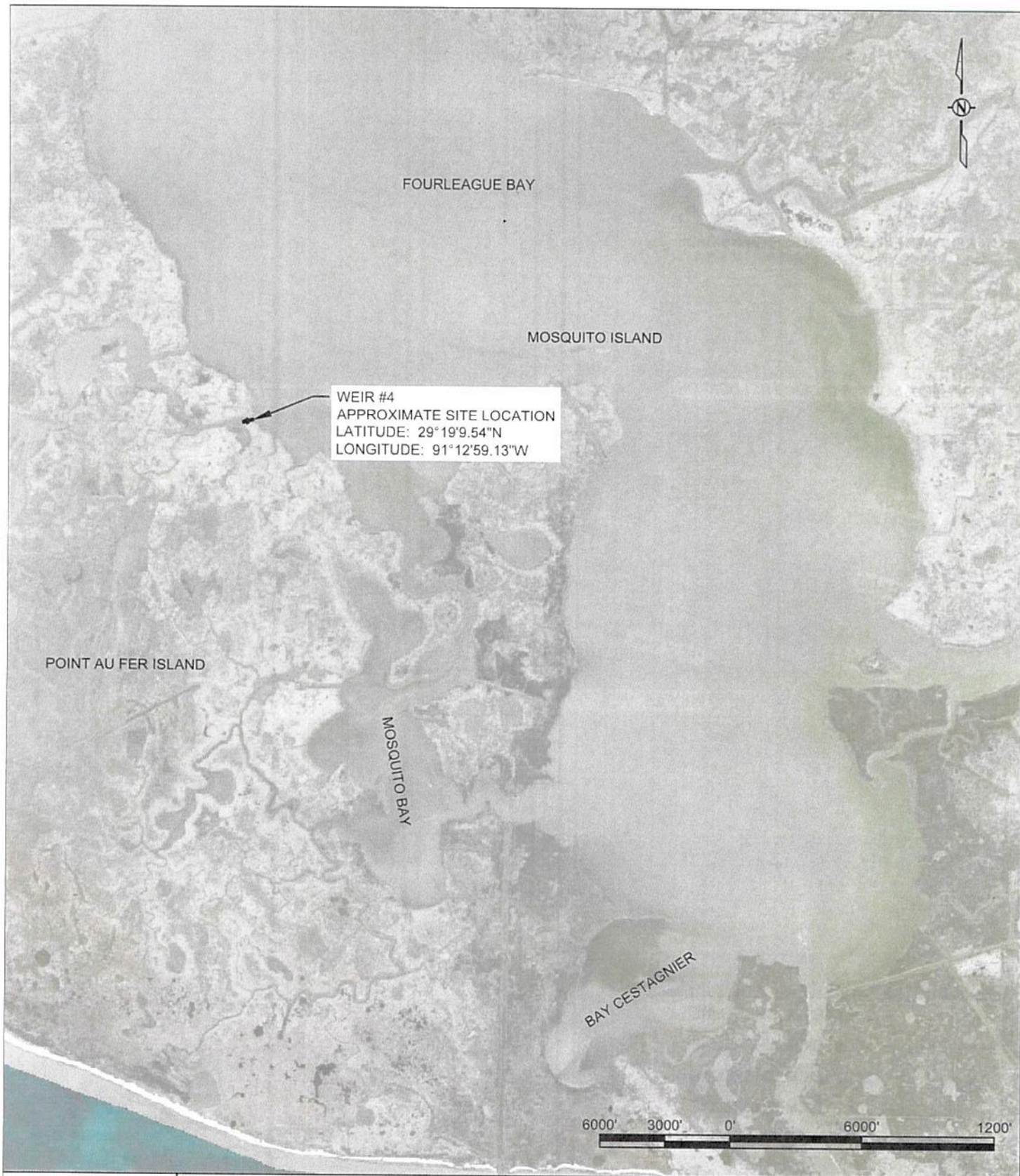
HERMAN.JOHN.MAT  
THEW.1119334280

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HERMAN.JOHN.MATTHEW.1119334280  
DN: c=US, o=U.S. Government, ou=DoD,  
ou=PKI, ou=USA,  
cn=HERMAN.JOHN.MATTHEW.1119334280  
Date: 2017.01.12 10:04:46 -06:00

for Martin S. Mayer  
Chief, Regulatory Branch

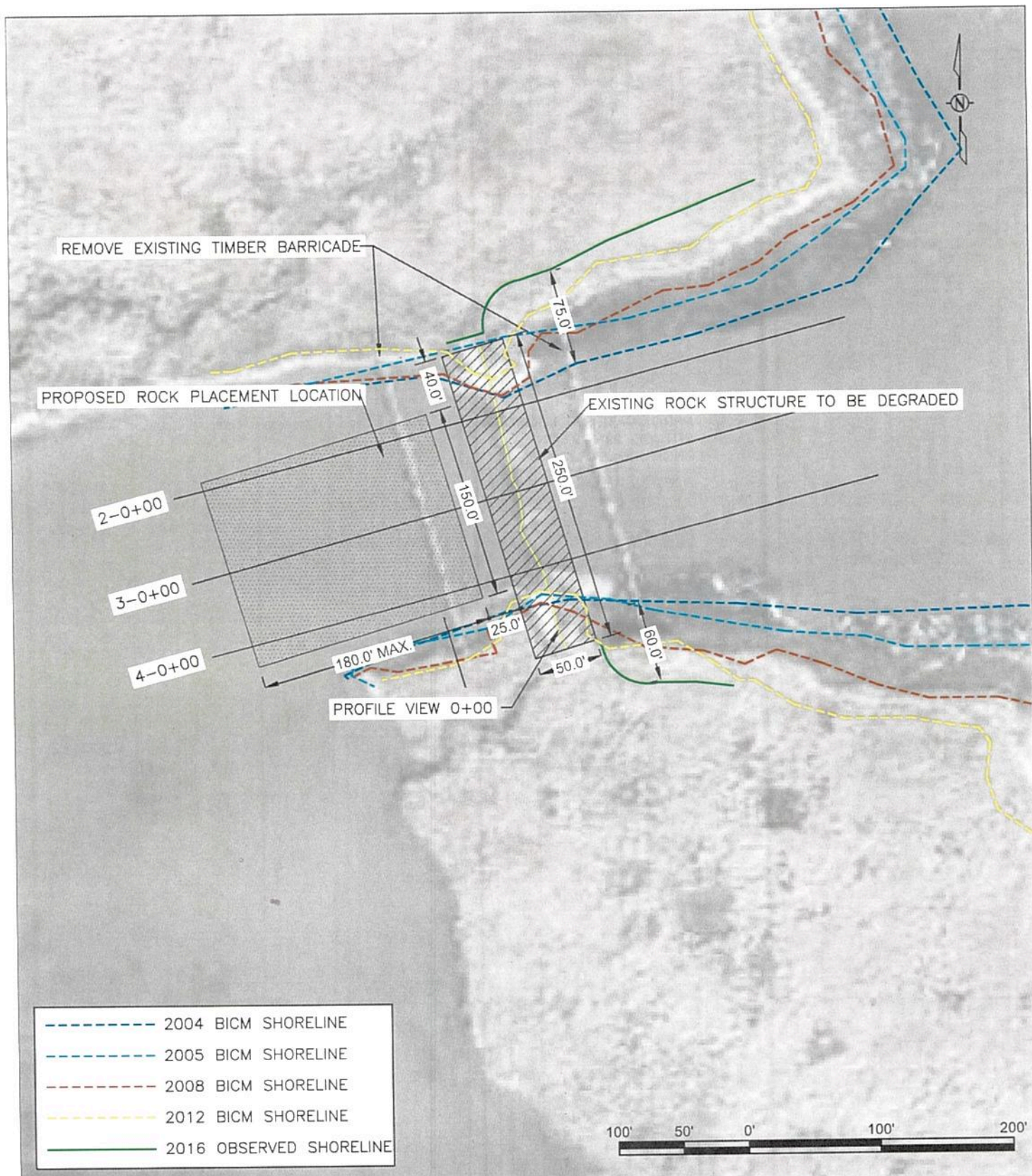
Enclosure



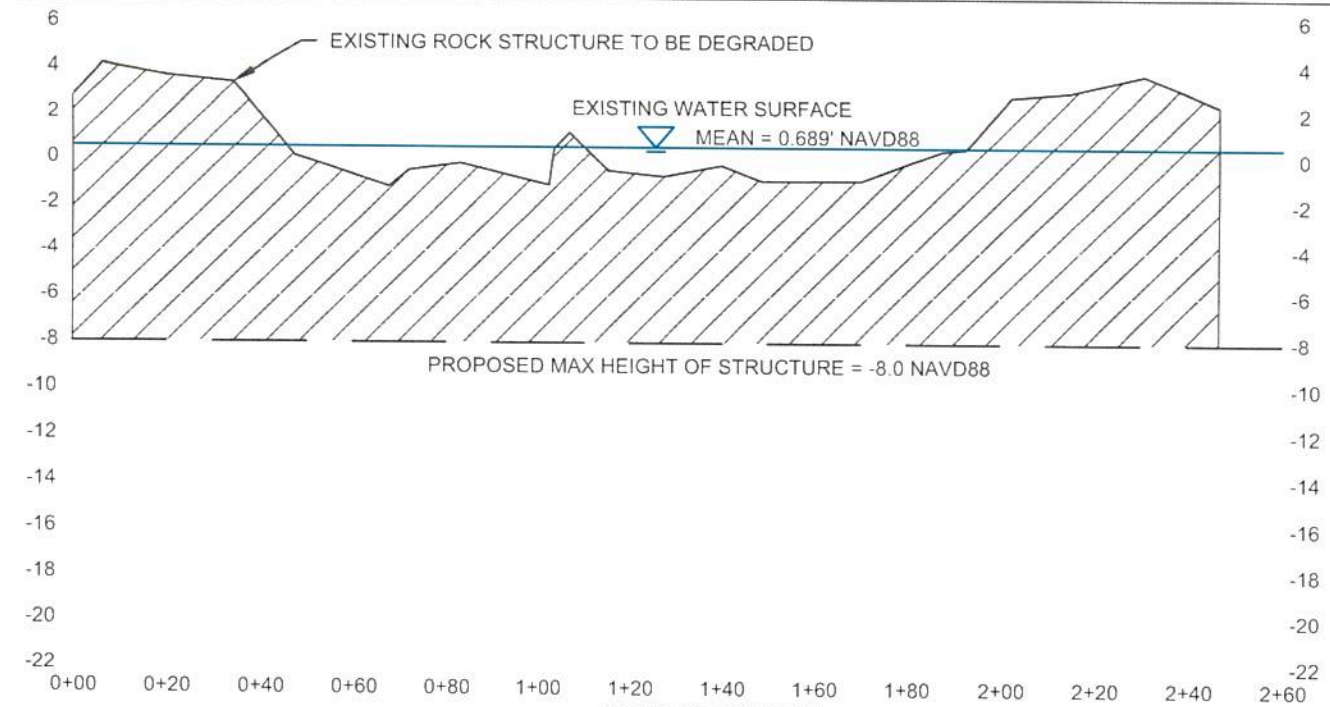


APPLICATION BY: CPRA	<b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	LAKE CHAPEAU WEIR 4 DEGRADATION	VICINITY MAP
			DATE: 7/13/2016
DRAWN BY: B.J.H	DESIGNED BY: B.J.H	APPROVED BY: B.B	FEDERAL PROJECT NUMBER:
			SHEET 1 OF 3





APPLICATION BY: CPRA	<b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801			LAKE CHAPEAU WEIR 4 DEGRADATION	PROFILE
DRAWN BY: B.J.H	DESIGNED BY: B.J.H	APPROVED BY: B.B	STATE PROJECT NUMBER:	DATE: 7/13/2016	
			FEDERAL PROJECT NUMBER:	SHEET 2 OF 3	



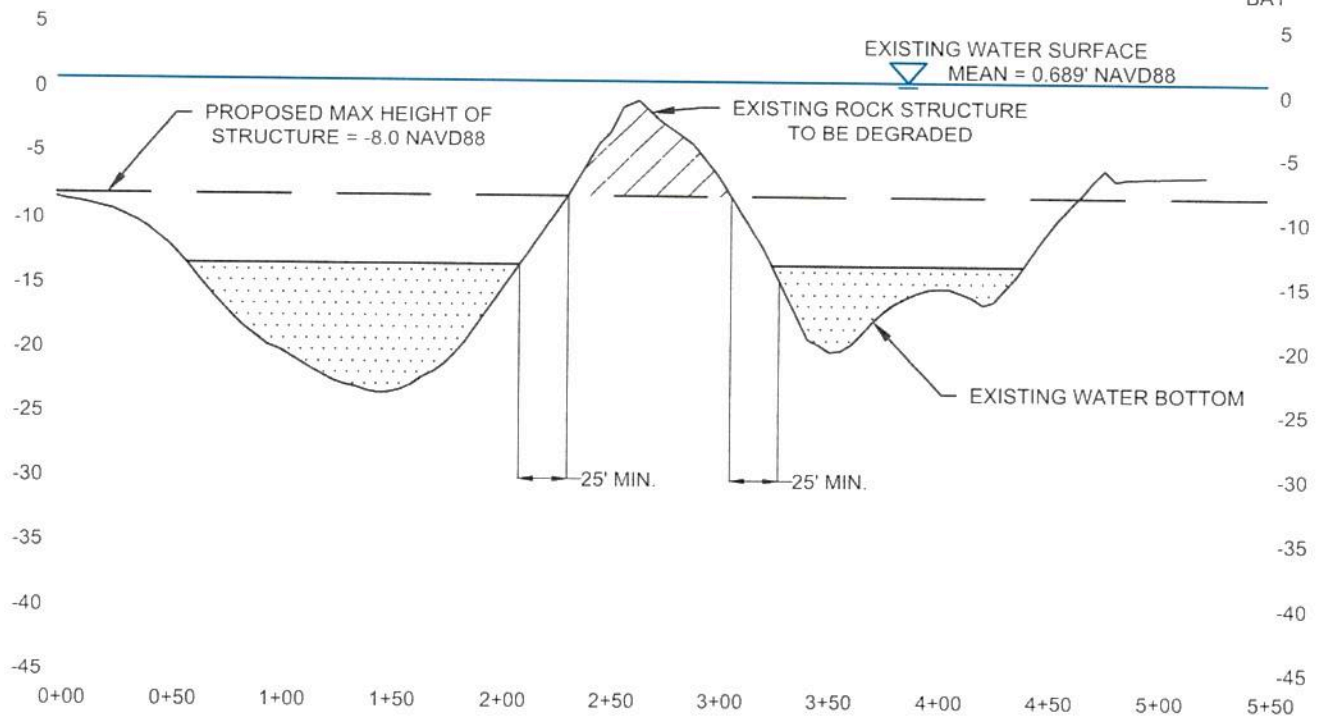
EXISTING ROCK STRUCTURE  
TO BE DEGRADED

NEW LOCATION OF DEGRADED  
ROCK STRUCTURE

**PROFILE VIEW**  
HORIZONTAL RATIO: 1" = 40'  
VERTICAL RATIO: 1" = 8'

INLAND

BAY



**CROSS SECTION 3 (TO BE USED AS TYPICAL)**

HORIZONTAL RATIO: 1" = 80'  
VERTICAL RATIO: 1" = 15'



APPLICATION BY: CPRA	<b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		LAKE CHAPEAU WEIR 4 DEGRADATION	PROFILE TRANSECTS
DRAWN BY: B.J.H	DESIGNED BY: B.J.H	APPROVED BY: B.B	STATE PROJECT NUMBER:	DATE: 7/13/2016
			FEDERAL PROJECT NUMBER:	SHEET 3 OF 3



1. Activities authorized under this general permit shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single and complete project shall be treated together as constituting one single and complete project. All planned phases of multi-phased projects shall be treated together as constituting one single and complete project. This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.

2. No activity is authorized under this general permit which may adversely affect significant cultural resources listed or eligible for listing in the National Register of Historic Places until the requirements for Section 106 of the National Historic Preservation Act are met. Upon discovery of the presence of previously unknown historic and/or prehistoric cultural resources, all work must cease and the permittee must notify the State Historic Preservation Office and the Corps of Engineers. The authorization is suspended until it is determined whether or not the activity will have an adverse effect on cultural resources. The authorization may be reactivated or modified through specific conditions if necessary, if it is determined that the activity will have no adverse effect on cultural resources. The CEMVN-PGP authorization will be revoked if it is determined that cultural resources would be adversely affected, and an individual permit may be necessary.

3. There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein. The permittee will, at his or her expense, install and maintain any safety lights, signals, and signs prescribed by the United States Coast Guard, through regulations or otherwise, on authorized facilities or on equipment used in performing work under the authorization.

4. No activity may substantially disrupt the movement of those species of aquatic life indigenous to the water body, including those species which normally migrate through the area, unless the activity's primary purpose is to block or impound water.

5. If the proposed activity involves the installation of aerial transmission lines, submerged cable, or submerged pipelines across navigable waters of the United States the following is applicable:

The National Ocean Service (NOS) has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Your notification of completion must include a drawing which certifies the location and configuration of the completed activity (a certified permit drawing may be used). Notification to NOS will be sent to the following address: National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Springs, Maryland 20910-3282.

6. For pipelines under an anchorage or a designated fairway in the Gulf of Mexico the following is applicable: The NOS has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Within 30 days of completion of the pipeline, 'as built' drawings certified by a professional engineer registered in Louisiana or by a registered surveyor shall be furnished to this office, the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, and to the Director, National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Springs, Maryland 20910-3282. The plans must include the location, configuration and actual burial depth of the completed pipeline project.

7. If the proposed project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.,) in the waterway, you are advised to notify the Eighth Coast Guard District so that a Notice to Mariners, if required, may be prepared. Notification with a copy of your permit approval and drawings should be mailed to the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, about 1 month before you plan to start work. Telephone inquiries can be directed to the Eighth Coast Guard District, Waterways Management at (504) 671-2107.
8. All activities authorized herein shall, if they involve, during their construction or operation, any discharge of pollutants into waters of the United States, be at all times consistent with applicable water quality standards, effluent limitations and standards of performance, prohibitions, pretreatment standards and management practices established pursuant to the Clean Water Act (PL 92-500:86 Stat 816), or pursuant to applicable state and local laws.
9. Substantive changes to the Louisiana Coastal Resources Program may require immediate suspension and revocation of this permit in accordance with 33 CFR 325.7.
10. Irrespective of whether a project meets the other conditions of this permit, the Corps of Engineers retains discretionary authority to require an individual Department of the Army permit when circumstances of the proposal warrant this requirement.
11. Any individual authorization granted under this permit may be modified, suspended, or revoked in whole or in part if the Secretary of the Army or his authorized representative determines that there has been a violation of any of the terms or conditions of this permit or that such action would otherwise be in the public interest.
12. The Corps of Engineers may suspend, modify, or revoke this general permit if it is found in the public interest to do so.
13. Activities proposed for authorization under the PGP must comply with all other necessary federal, state, and/or local permits, licenses, or approvals. Failure to do so would result in a violation of the terms and conditions of CEMVN-PGP.
14. The permittee shall permit the District Commander or his authorized representative(s) or designee(s) to make periodic inspections of the project site(s) and disposal site(s) if different from the project site(s) at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.
15. This general permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and it does not authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations nor does it obviate the requirements to obtain state or local assent required by law for the activity authorized herein.
16. In issuing authorizations under this permit, the federal government will rely upon information and data supplied by the applicant. If, subsequent to the issuance of an authorization, such information and data prove to be false, incomplete, or inaccurate, the authorization may be modified, suspended, or revoked, in whole or in part.
17. For activities resulting in sewage generation at the project site, such sewage shall be processed through a municipal sewage treatment system or, in areas where tie-in to a municipal system is not practical, the on-site sewerage system must be approved by the local parish sanitarian before construction.
18. Any modification, suspension, or revocation of CEMVN-PGP, or any individual authorization granted under this permit, will not be the basis for any claim for damages against the United States.



19. Additional conditions deemed necessary to protect the public interest may be added to the general permit by the District Commander at any time. If additional conditions are added, the public will be advised by public notice. Individual authorizations under CEMVN-PGP may include special conditions deemed necessary to ensure minimal impact and compliance with CEMVN-PGP.

20. CEMVN-PGP is subject to periodic formal review by CEMVN and OCM in coordination with the Environmental Protection Agency, US Fish and Wildlife Service, the National Marine Fisheries Service, and the Louisiana Department of Wildlife and Fisheries. Comments from reviewing agencies will be considered in determination as to whether modifications to the general permit are needed. Should the District Commander make a determination not to incorporate a change proposed by a reviewing agency, after normal negotiations between the respective agencies, the District Commander will explain in writing to the reviewing agency the basis and rationale for his decision.

21. CEMVN retains discretion to review CEMVN-PGP, its terms, conditions, and processing procedures, and decide whether to modify, reissue, or revoke the permit. If CEMVN-PGP is not modified or reissued within 5 years of its effective date, it automatically expires and becomes null and void.

22. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

23. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party as described in Special Condition 26 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

24. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

25. If you sell the property associated with this permit, you must provide this office with a copy of the permit and a letter noting your agreement to transfer the permit to the new owner and the new owner's agreement to accept the permit and abide by all conditions of the permit. This letter must be signed by both parties.

26. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit.

27. Many local governing bodies have instituted laws and/or ordinances in order to regulate dredge and/or fill activities in floodplains to assure maintenance of floodwater storage capacity and avoid disruption of drainage patterns that may affect surrounding properties. Your project involves dredging and/or placement of fill; therefore, you must contact the local municipal and/or parish governing body regarding potential impacts to floodplains and compliance of your proposed activities with local floodplain ordinances, regulations or permits.

28. In issuing authorizations under this permit, the federal government does not assume any liability for: damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit, and; design or construction deficiencies associated with the permitted work.

**APPENDIX G: SURVEY MONUMENT DATA**



#### **VICINITY MAP**

Reproduced from U.S. Geological Survey, NWRC Aerial dated March 2001

#### **Station Name: TE26-SM-01**

**Monument Location:** This station is located on the southwestern side of Point Au Fer Island in an east-west canal near Locust Bayou. The Monument is situated on the north bank of the canal and is 27 feet north of the waters edge and is 23 feet westerly from the centerline of the northern end of a rock weir crossing the canal.

**Monument Description:** NGS Style Floating Sleeve Monument: Stainless steel sectional rods driven 80 feet to refusal within a greased sleeve and sand filled 8" PVC pipe with protective cover and is set flush with the ground.

**Monument Established By:** John Chance Land Surveys, Inc.

**For:** Coastal Protection and Restoration Authority, CPRA

**Stamping:** "TE26-SM-01"

**Revised:** March 2013

#### **Adjusted NAD83 (2011) Geodetic Position**

Lat. 29° 17' 06.54876"N

Long. 91° 16' 54.71708"W

#### **Adjusted NAD83 (2011) Datum LSZ (1702) Ft**

N= 285,540.954

E= 3,297,241.190

#### **Adjusted NAVD88 Height (Epoch 2010.0)**

Elevation = 0.57 feet (0.175 mtrs)

*Ellipsoid Height = -24.503 mtrs.*

*Geoid12A Height = -24.677 mtrs.*

#### **FOR REFERENCE ONLY**

*Adjusted NAVD88 Height (Geoid03)*

*Elevation = 0.36 feet (0.109 mtrs)*



*Adjusted Position Established by T. Baker Smith, LLC for the Coastal Protection and Restoration Authority, CPRA*

## **APPENDIX H: LANDOWNERS CONTACT INFORMATION**

Randy Moertle serves as the land representative for adjacent land and other properties; his phone number is (985) 856-3630 and his email address is [rmoertle@bellsouth.net](mailto:rmoertle@bellsouth.net).

**APPENDIX I: EXISTING WEIR NO. 4 AS-BUILTS**



SUMMARY OF ESTIMATED QUANTITIES			
BASE BID			
ITEM No.	DESCRIPTION	UNIT	QUANTITY
1	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	LUMP SUM
2	HYDRAULIC FILL (NET SECTION)	CU. YDS.	812,500
3	LOCUST BAYOU DREDGING	CU. YDS.	55,100
4	SPOIL BANK GAPPING	CU. YDS.	1,350
5	GEOTEXTILE FABRIC FOR ROCK STABILIZATION	SQ. YDS.	13,500
OPTION 1 - 6A	PLUG CORE MATERIAL - REEF SHELL	TONS	11,200
OPTION 2 - 6B	PLUG CORE MATERIAL - LIGHTWEIGHT	TONS	15,200
	CRUSHED LIMESTONE AGGREGATE		
7	RIPRAP	TONS	10,800
ADD. ALT. BID			
8	HYDRAULIC FILL (NET SECTION)	CU. YDS.	445,900

#### GENERAL NOTES:

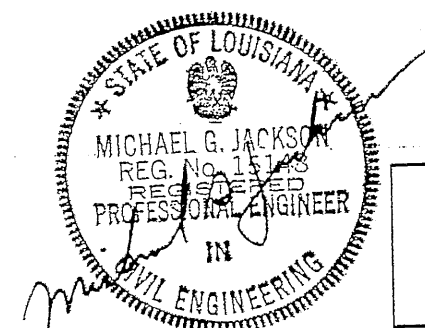
- BASIC HORIZONTAL AND VERTICAL CONTROL POINTS HAVE BEEN ESTABLISHED OR DESIGNATED BY THE ENGINEER AND ARE SHOWN ON THE PLANS. CONTRACTOR SHALL MAINTAIN AND PROTECT FROM DAMAGE OR DISLOCATION THESE CONTROLS, AND SHALL PERFORM ALL ADDITIONAL SURVEY, LAYOUT, AND MEASUREMENT WORK USING THESE CONTROLS.
- CONTRACTOR SHALL VERIFY EXISTING GRADES, ELEVATIONS, AND LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, RULES, AND REGULATIONS OF THE LOUISIANA STATE POLICE, THE TERREBONNE AND ST. MARY PARISH SHERIFFS' OFFICES, DNR, USCG, FEDERAL AUTHORITIES, STATE AND PARISH HEALTH DEPARTMENTS, AND OTHER STATE OR PARISH AUTHORITIES HAVING REGULATIONS AND JURISDICTIONAL RIGHTS APPLICABLE TO THE WORK OR JOBSITES.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND PARISH LAWS CONCERNING POLLUTION OF WATERWAYS, AND PROTECTION OF SHELLFISH, FISH, WATERFOWL, WILDLIFE, AND DOMESTIC ANIMALS.
- THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER AS TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH BOTH THROUGH AND LOCAL MARINE TRAFFIC. REFER TO SECTION IV-46 OF THE SPECIFICATIONS.
- CONTRACTOR SHALL EMPLOY EFFECTIVE MEASURES TO CONTROL EROSION OF NATURAL AND CONSTRUCTED SURFACES.
- THE SAFETY HAZARDS PROMULGATED BY, AND THE PRECAUTIONS DEFINED WITHIN SAME, OF THE OSHA, THE USCG, AND ALL OTHER REGULATING AUTHORITY HAVING JURISDICTION AND THAT ARE APPLICABLE TO THE WORK SHALL BE ADHERED TO AND ENFORCED BY THE CONTRACTOR.
- TEMPORARY UTILITIES AND SANITARY FACILITIES FOR OPERATION OF THE CONTRACTOR'S PLANT OR EQUIPMENT SHALL BE PROVIDED AND MAINTAINED AT THE EXPENSE OF THE CONTRACTOR. REFER TO SECTION IV-35 OF THE SPECIFICATIONS.
- ALL NECESSARY PERMITS WILL BE PROVIDED BY OWNER.
- CONSTRUCTION SERVITUDES FOR ALL WORK AND RIGHT-OF-ENTRY ONTO THE SITE WILL BE PROVIDED BY OWNER.

- ALIGNMENTS AND/OR ELEVATIONS MAY BE ADJUSTED IN THE FIELD BY THE PROJECT ENGINEER TO MEET CHANGING FIELD CONDITIONS OR TO BETTER ASSURE ACCOMPLISHMENT OF PROJECT OBJECTIVES. ANY ADDITIONAL QUANTITIES WILL BE PAID FOR AT THE UNIT PRICE BID FOR THE SPECIFIC ITEM.
- CONTRACTOR SHALL NOT BE ALLOWED TO IMPEDE DRAINAGE DURING RAINSTORMS OR WHEN A RAINSTORM IS IMMINENT. REFER TO SECTION IV-47 OF THE SPECIFICATIONS.
- DUE TO CHANGING FIELD CONDITIONS, SHORELINES SHALL NOT BE USED AS CONSTRUCTION REFERENCE POINTS.
- THE CONSTRUCTION SEQUENCE MUST BE SUCH THAT ALL PLUG STRUCTURES ARE TO BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF ATCHAFALAYA BAY HYDRAULIC DREDGE AND FILL OPERATIONS.
- X AND Y COORDINATES ARE BASED ON NAD 27; LATITUDES AND LONGITUDES ARE BASED ON NAD 83; ELEVATIONS ARE BASED ON NGVD 29; SOUNDINGS REFERENCE WATER LEVEL SHOWN.

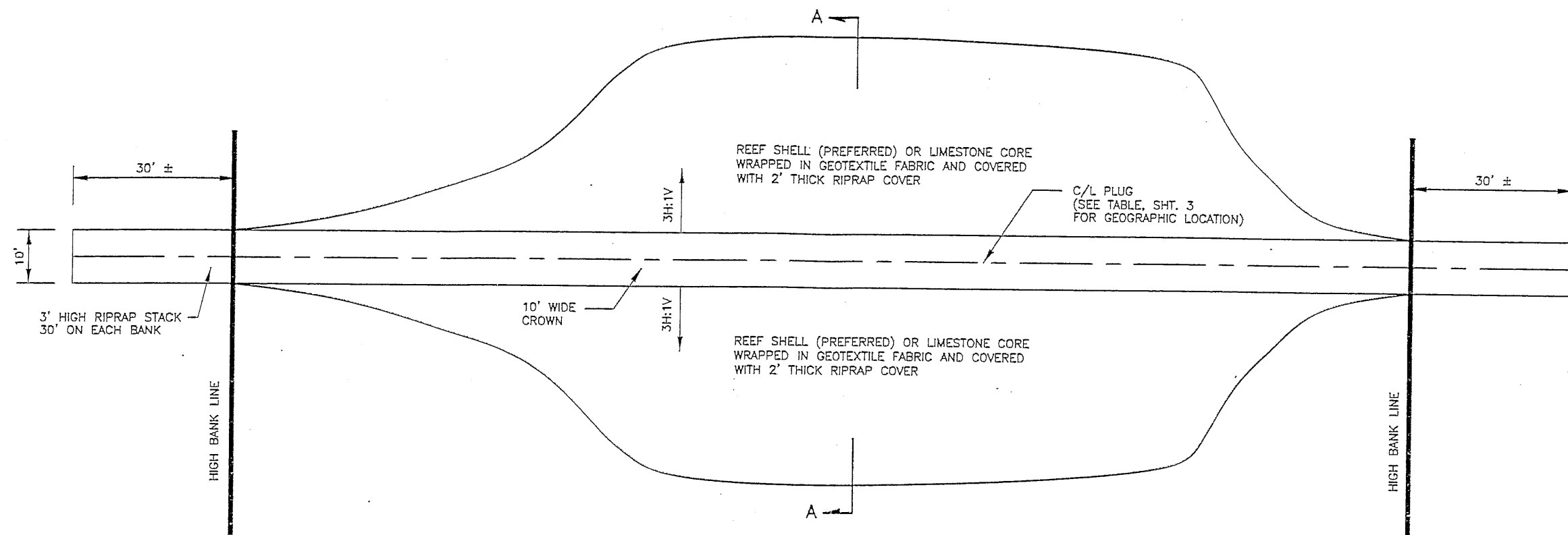
#### TECHNICAL NOTES:

- ALL PLUGS TO BE CONSTRUCTED USING A REEF SHELL (PREFERRED) OR LIMESTONE CORE WITH RIPRAP ARMOR AND HAVE A 10'-WIDE CROWN WITH 3(H):1(V) SIDE SLOPES. SEE SHEET 8 FOR DETAILS.
- THE CONTRACTOR SHALL OBSERVE CURRENTS AND CONDUCT HIS WORK IN SUCH A MANNER AS TO COMPENSATE FOR DRIFT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY MATERIAL LOST DUE TO CURRENT ACTION.
- GEOTEXTILE FABRIC SHALL BE INSTALLED ON THE CANAL BOTTOM PRIOR TO PLACEMENT OF THE CORE FILL AS PER THE SPECIFICATIONS. SHELL, STONE, AND RIPRAP SHALL BE PLACED WITH A MAXIMUM DROP OF 2 FEET TO AVOID DAMAGING THE GEOTEXTILE FABRIC.
- WARNING SIGNS WILL BE PROVIDED ON THE UPSTREAM AND DOWNSTREAM SIDES OF EACH PLUG AS SHOWN ON THE DRAWINGS. SIGNS SHALL CONFORM TO COAST GUARD STANDARD 33 CFR 330.4 (c) (1). EACH WARNING SIGN SHALL HAVE A 2" ORANGE BORDER OF RETROFLECTIVE MATERIAL. LETTERING WILL BE BLACK ON A FIELD OF WHITE RETROFLECTIVE MATERIAL.

- NEOPRENE WASHERS SHALL BE PLACED BETWEEN THE WARNING SIGN AND STEEL PIPE AT ALL POINTS OF CONTACT.
- THE CONTRACTOR IS NOTIFIED THAT THE DREDGE SITE IS LOCATED WITHIN THE ATCHAFALAYA DELTA WILDLIFE MANAGEMENT AREA UNDER THE JURISDICTION OF THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES. ALL PERSONNEL SHALL ABIDE BY THE MANAGEMENT AREA RULES AND REGULATIONS. REFER TO SECTION V-1 OF THE SPECIFICATIONS.
- ALTHOUGH NOT PART OF THE CONTRACT PLANS AND SPECIFICATIONS, GEOTECHNICAL REPORTS OF SOIL BORINGS TAKEN IN THE ATCHAFALAYA BAY AND INTERIOR POINT AU FER ISLAND ARE AVAILABLE FOR REVIEW AT THE ENGINEERING OFFICE OF BURK-KLEINPETER, 4176 CANAL STREET, NEW ORLEANS, LOUISIANA, 70119. THE CONTRACTOR SHALL MAKE HIS OWN INTERPRETATION OF THE CHARACTER AND CONDITION OF THE MATERIALS WHICH WILL BE ENCOUNTERED BETWEEN THE SOIL SAMPLING LOCATIONS. THE CONTRACTOR MAY, AT HIS OWN EXPENSE, MAKE ADDITIONAL SURVEYS AND INVESTIGATIONS, SUBJECT TO OBTAINING ADDITIONAL PERMITS, AS HE DEEMS NECESSARY TO DETERMINE CONDITIONS WHICH WILL AFFECT THE PERFORMANCE OF THE WORK.
- BASED ON THE INFORMATION PROVIDED IN THE GEOTECHNICAL REPORTS AND IN THESE DRAWINGS, THE CONTRACTOR SHALL DEVELOP A DREDGING AND HYDRAULIC FILL PLAN TO BE APPROVED BY THE ENGINEER. THIS PLAN SHALL OUTLINE THE PROPOSED SEQUENCE OF FILLING WHICH WILL ENSURE A UNIFORM DISTRIBUTION OF ALL MATERIALS AND MINIMIZE MUD WAVES. THE PLAN SHALL ALSO INCLUDE WEIR DESIGN AND PLACEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE DREDGE AREA.
- THE CONTRACTOR IS NOTIFIED THAT THE PROJECT SITE IS TOTALLY ON OR ADJACENT TO PRIVATE OR STATE PROPERTY. EXTREME CAUTION SHALL BE EXERCISED IN PROTECTION OF PROPERTY, HABITAT, AND WILDLIFE FROM DAMAGE OR HARM.
- THE CONTRACTOR IS NOTIFIED THAT HE WILL BE CONDUCTING HIS OPERATIONS IN THE VICINITY OF UTILITIES, PIPELINES, FLOWLINES, OIL AND GAS STRUCTURES, AND OTHER MINERAL OPERATIONS. THE CONTRACTOR SHALL LOCATE ALL SUCH STRUCTURES IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. REFER TO SECTIONS IV-34, IV-41, AND IV-43 OF THE SPECIFICATIONS.
- A LISTING OF ALL COMPANIES KNOWN TO BE CONDUCTING MINERAL OPERATIONS AND HAVE ACTIVE WELLS AND/OR PIPELINES IN THE VICINITY IS PROVIDED ON SHEET 17. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHETHER THERE ARE OTHERS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE OPERATORS 48 HOURS IN ADVANCE OF THE WORK. ALL PIPELINES SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR USING THE COORDINATES GIVEN. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION OR HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS.
- THE CONTRACTOR SHALL NOT DREDGE WITHIN 100 FEET OF A PIPELINE.
- THE CONTRACTOR SHALL NOT DREDGE WITHIN 1 MILE OF EXISTING OYSTER LEASE AREAS.
- VOLUMES GIVEN IN THE SPECIFICATIONS ARE FOR BIDDING PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED IN JUNE, 1996. BEFORE AND AFTER DREDGE, CROSS-SECTIONS WILL BE SURVEYED BY THE CONTRACTOR AND CHECKED BY THE ENGINEER FOR MEASUREMENT AND PAYMENT PURPOSES.

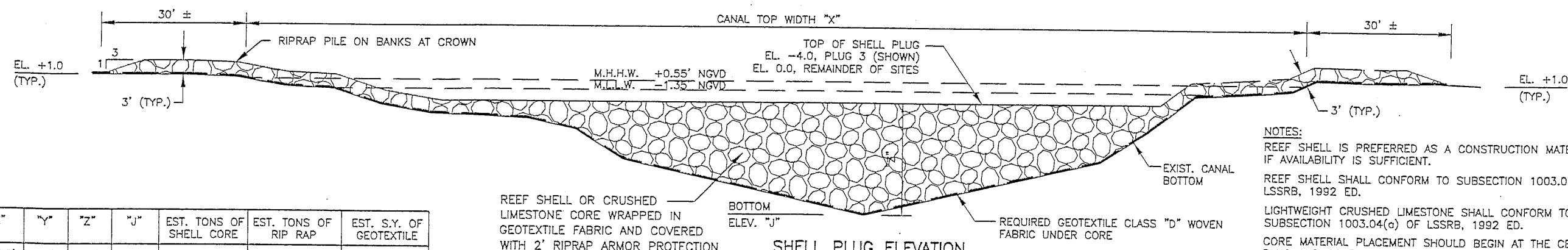


STATE OF LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION			
LAKE CHAPEAU SEDIMENT INPUT AND HYDROLOGIC RESTORATION			
GEN. NOTES AND EST. QUANTITIES			
BURK-KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994 (504) 486-5901 FAX (504) 486-1714			
DATE	DESIGNED	PSL	SCALE
9541	DATE	SEPT. 1997	NONE
PLAN IN HAND	CHECKED	PSL	FILE NO. 954-10102
			SHEET NO. 2 of 17



SHELL PLUG PLAN VIEW

DRAWING NOT TO SCALE



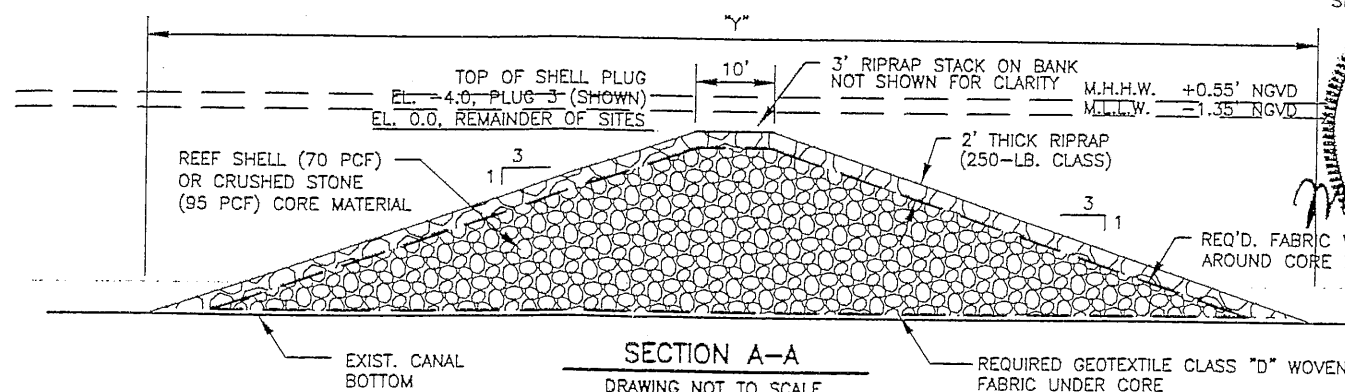
SHELL PLUG ELEVATION

DRAWING NOT TO SCALE

PLUG SITE	"X"	"Y"	"Z"	"J"	EST. TONS OF SHELL CORE	EST. TONS OF RIP RAP	EST. S.Y. OF GEOTEXTILE
1	147.5'	56'	7.6'	-7.6	810	1330	1680
3	229.1'	150'	23.3'	-27.3	4820	2560	3390
4	173.8'	113'	17.1'	-17.1	3340	2400	3170
5	70.0'	32'	3.7'	-3.7	10	390	380
6	145.1'	37'	4.5'	-4.5	70	710	550
7	157.1'	67'	9.5'	-9.5	530	960	1270
9	240.4'	74'	10.7'	-10.7	1620	2450	3060

STONE SIZE (LBS.)	% OF STONE SMALLER THAN
1250	100
500	45-100
250	15-50
80	0-15

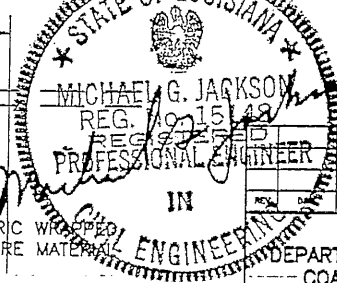
RIPRAP GRADATION  
250-LB. CLASS



SECTION A-A

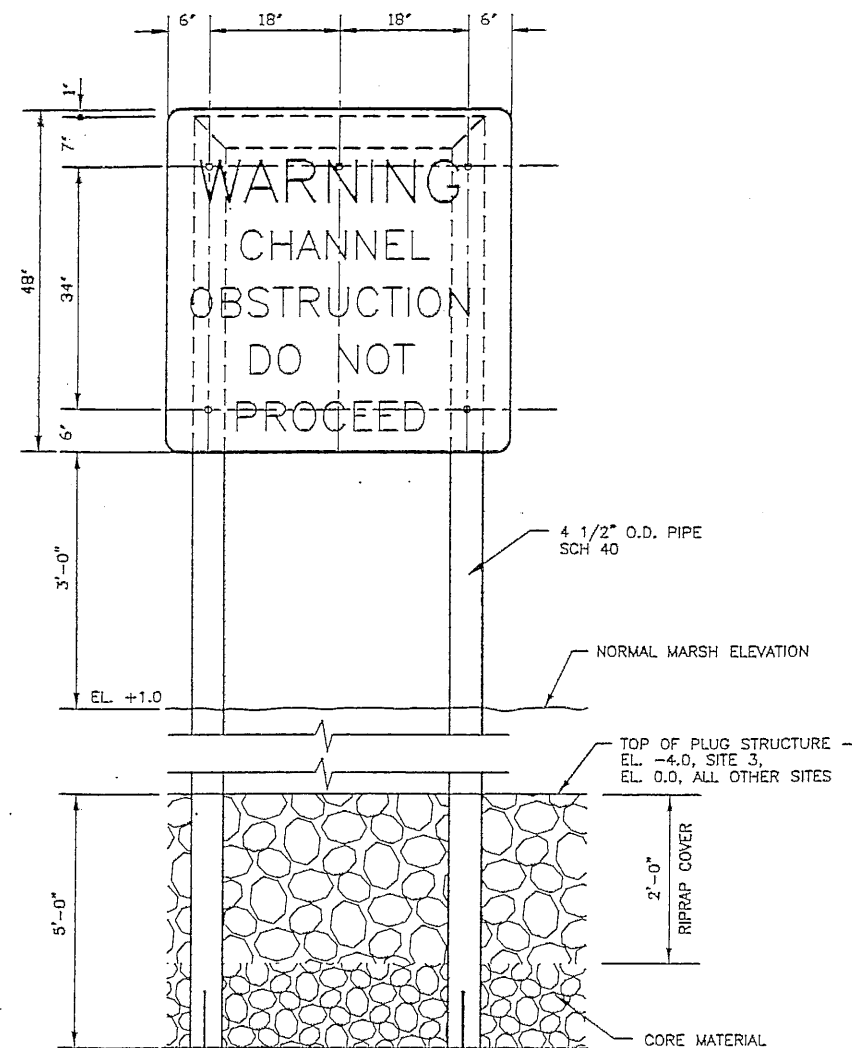
DRAWING NOT TO SCALE

NOTES:  
REEF SHELL IS PREFERRED AS A CONSTRUCTION MATERIAL, IF AVAILABILITY IS SUFFICIENT.  
REEF SHELL SHALL CONFORM TO SUBSECTION 1003.09(a)(2) OF LSSRB, 1992 ED.  
LIGHTWEIGHT CRUSHED LIMESTONE SHALL CONFORM TO SUBSECTION 1003.04(a) OF LSSRB, 1992 ED.  
CORE MATERIAL PLACEMENT SHOULD BEGIN AT THE CENTER OF THE PLUG AND CONTINUE OUTWARD TOWARD THE TOE. MATERIAL SHALL BE PLACED IN LIFTS OF 3' LOOSE MEASURE. ADDITIONAL COMPACTION IS NOT REQUIRED.  
GRADED CRUSHED LIMESTONE RIPRAP SHALL CONFORM TO SECTION 1003.09 OF LSSRB, 1992 ED.

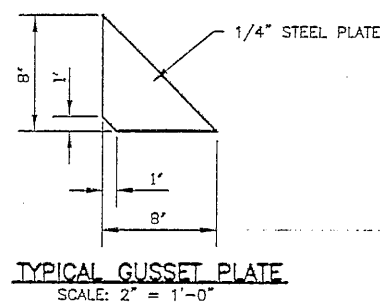


STATE OF LOUISIANA  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION  
LAKE CHAPEAU SEDIMENT INPUT AND  
HYDROLOGIC RESTORATION (PTE-23/26A)  
TYPICAL SECTION - SHELL PLUG  
BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714

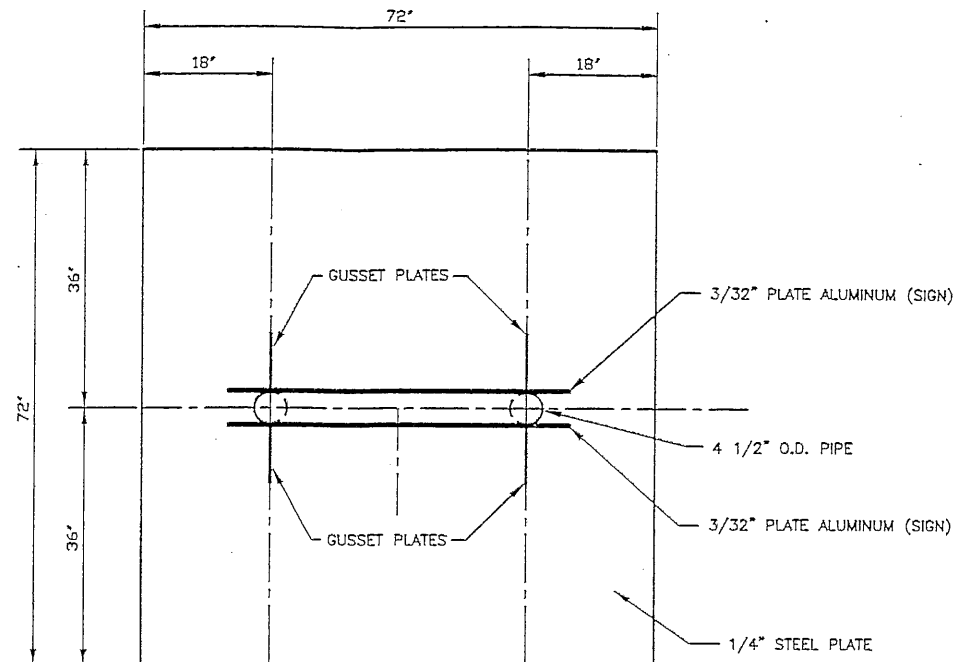
DESIGNED	SCALE	NONE	SHEET NO.
9541	DATE	SEPT., 1997	8 of 17



**WARNING SIGN SUPPORT DETAIL**  
SCALE: 1" = 1'-0"



**TYPICAL GUSSET PLATE**  
SCALE: 2" = 1'-0"



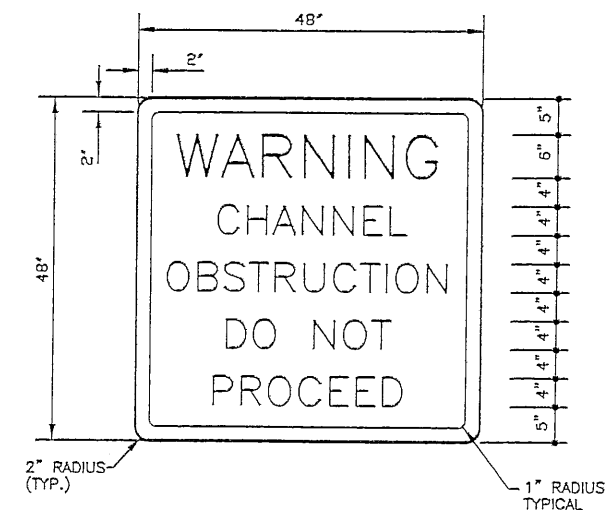
**WARNING SIGN PLAN**  
SCALE: 1" = 1'-0"

**WARNING SIGN LOCATIONS**

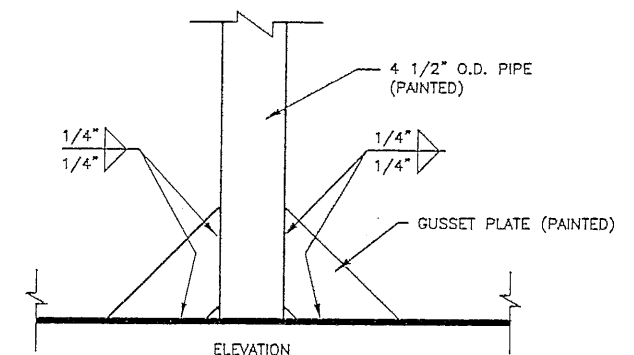
PLUG No.	DIST. FROM PVC PIPE	PIPE LENGTH TO TOP OF SIGN	ELEVATION OF BOTTOM PLATE
1	N/A	13'	-5.0
3	85'	17'	-9.0
4	75'	13'	-5.0
5	45'	13'	-5.0
6	N/A	13'	-5.0
7	70'	13'	-5.0
9	90'	13'	-5.0

**NOTES:**

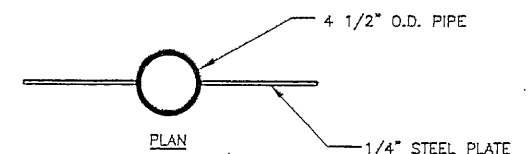
- TWO WARNING SIGNS ARE REQUIRED FOR EACH PLUG STRUCTURE, ONE ON THE UPSTREAM AND ONE ON THE DOWNSTREAM SIDE, PLACED AT THE DISTANCES SHOWN FROM THE 2" PVC PIPE MONUMENTS STAKED IN THE FIELD.
- WARNING SIGNS TO BE PLACED WITH A MINIMUM 5' EMBEDMENT INTO THE PLUG STRUCTURE AS SHOWN. CONTRACTOR SHALL COORDINATE PLACEMENT OF MATERIAL WITH INSTALLATION OF WARNING SIGNS.
- THE 2" BORDER ON THE WARNING SIGN WILL BE A RETROREFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD WILL BE A RETROREFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGN WILL BE BLOCK. ALL SIGNS MUST MEET U.S. COAST GUARD STANDARDS, IN ACCORDANCE WITH 33 CFR 330.4 (A) (1).
- NEOPRENE WASHERS SHALL BE PLACED BETWEEN THE SIGN AND STEEL PIPE, AT ALL POINTS OF CONTACT.
- A TOTAL OF FOURTEEN (14) WARNING SIGNS, INCLUDING ALL FRAMEWORK, PLATES, BUOYS, ANCHORS, AND ALL INCIDENTAL CONSTRUCTION, WILL BE FURNISHED BY THE CONTRACTOR AT NO DIRECT PAY.



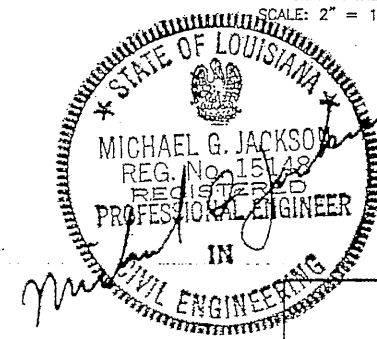
**SIGN DETAIL**  
SCALE: 1" = 1'-0"



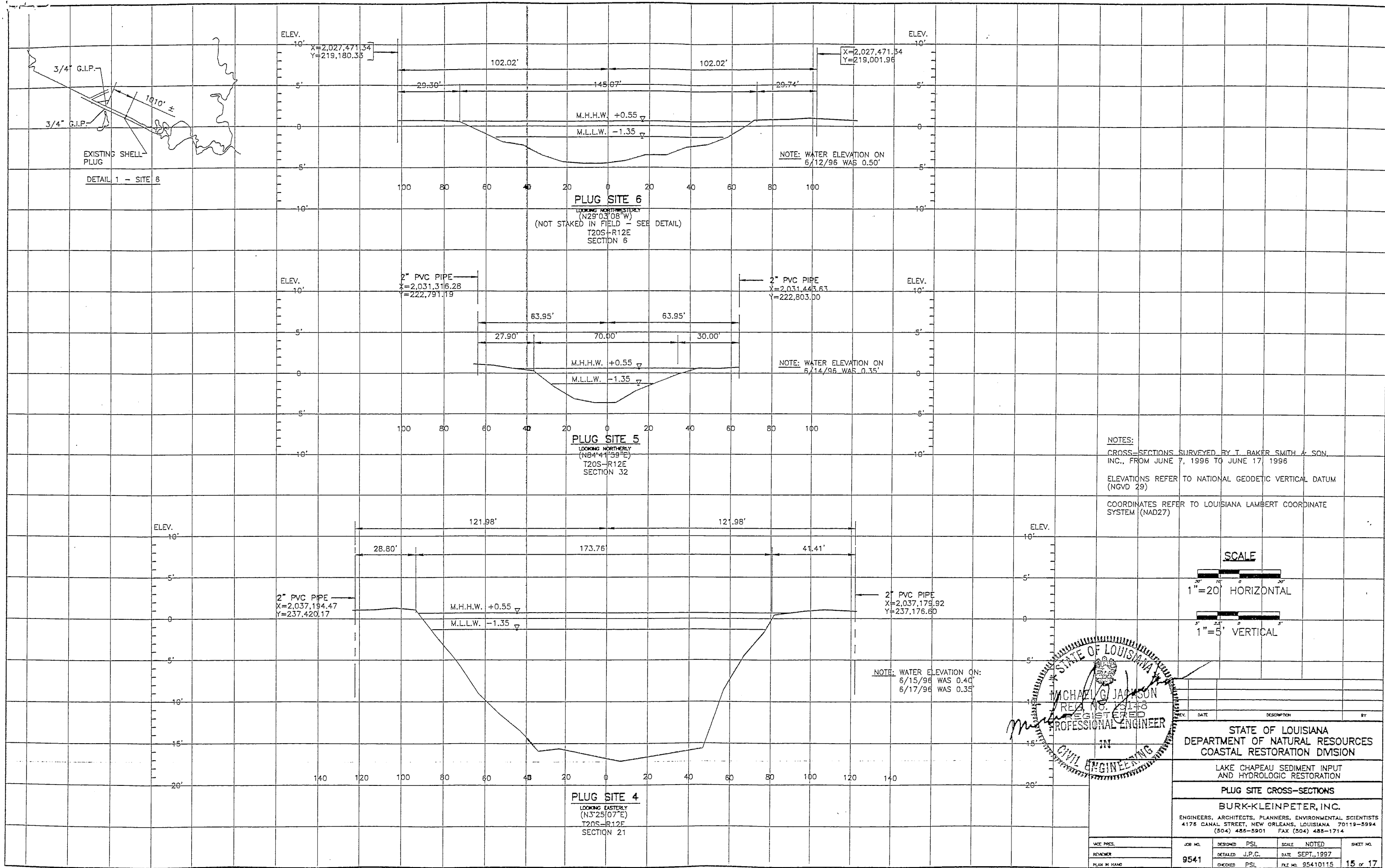
**ELEVATION**



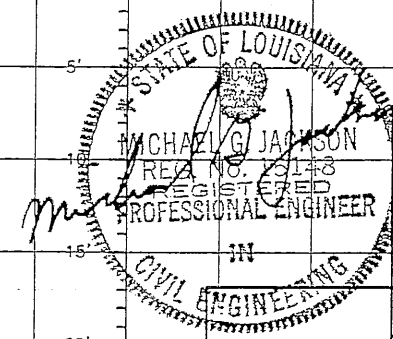
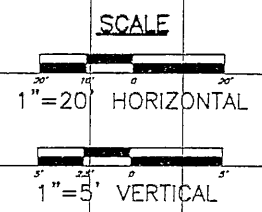
**GUSSET PLATE DETAIL**  
SCALE: 2" = 1'-0"



REV.	DATE	DESCRIPTION	BY
STATE OF LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION			
LAKE CHAPEAU SEDIMENT INPUT AND HYDROLOGIC RESTORATION (PTE-23/26A)			
<b>WARNING SIGN DETAILS</b>			
BURK-KLEINPETER, INC.			
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS 4178 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994 (504) 486-5901 FAX (504) 486-1714			
JOB NO.	DESIGNED	PSL	SCALE
9541	DATE	SEPT. 1997	SHOWN
PLANNED	DATE	SEPT. 1997	SHOWN
DESIGNED	DATE	SEPT. 1997	SHOWN
SHEET NO.			9 of 17



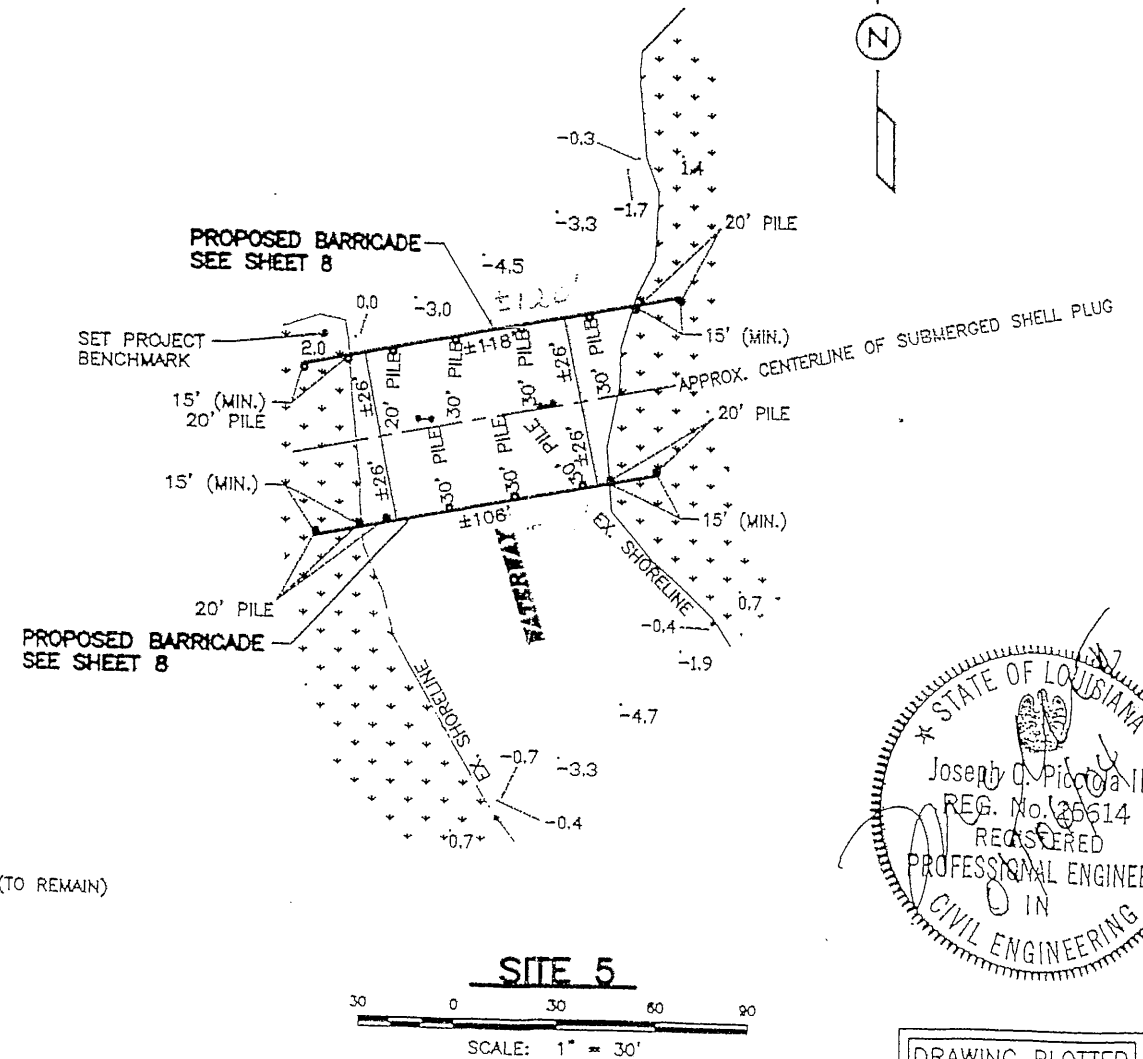
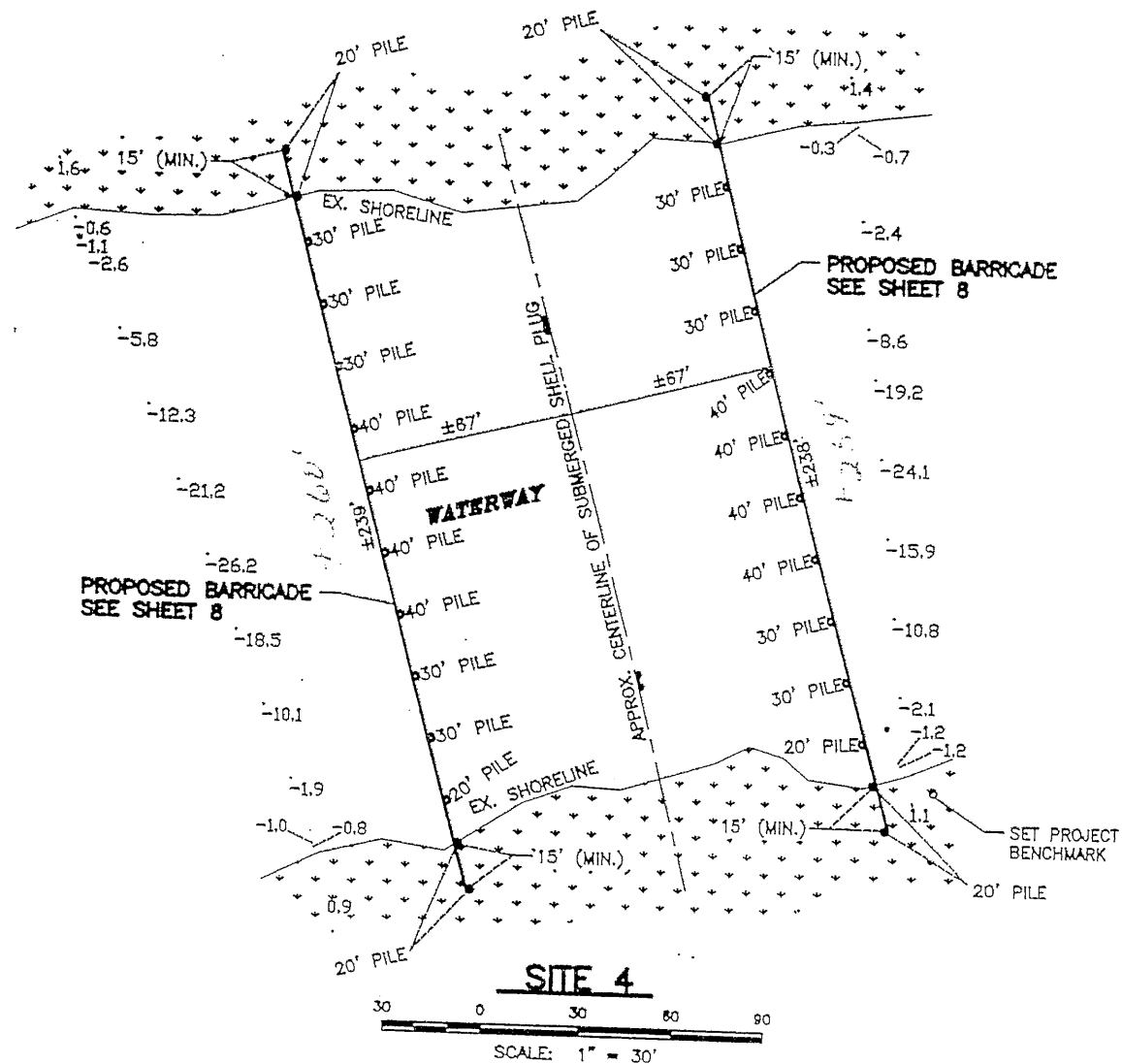
NOTES:  
CROSS-SECTIONS SURVEYED BY T. BAKER SMITH & SON, INC., FROM JUNE 7, 1996 TO JUNE 17, 1996  
ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM (NGVD 29)  
COORDINATES REFER TO LOUISIANA LAMBERT COORDINATE SYSTEM (NAD27)



STATE OF LOUISIANA  
DEPARTMENT OF NATURAL RESOURCES  
COASTAL RESTORATION DIVISION  
LAKE CHAPEAU SEDIMENT INPUT  
AND HYDROLOGIC RESTORATION  
PLUG SITE CROSS-SECTIONS  
BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714

DESIGNED	PSL	SCALE	NOTED	SHEET NO.
REVIEWED	J.P.C.	DATE	SEPT., 1997	
CHECKED	PSL	FILE NO.	95410115	15 of 17

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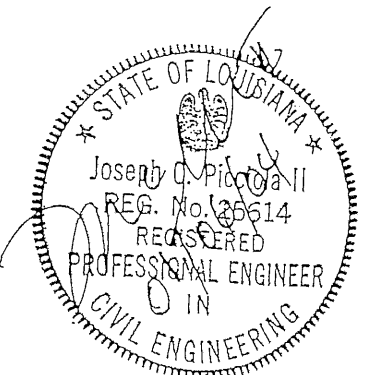


**LEGEND:**

--- EXISTING WARNING SIGNS (TO REMAIN)

**GENERAL NOTES:**

1. CONTRACTOR SHALL NOT DISTURB OR IN ANY WAY DAMAGE THE EXISTING SHELL PLUG AT EACH SITE WHILE CONSTRUCTING BARRICADES.
2. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING SHELL PLUG TOE BEFORE FINAL LOCATION OF BARRICADE IS DETERMINED.
3. CONTRACTOR SHALL NOT REMOVE OR DISTURB THE EXISTING WARNING SIGNS THAT ARE INSTALLED ON THE EXISTING SHELL PLUGS.
4. CONTRACTOR SHALL REMOVE THE EXISTING WARNING BUOY UNITS AT EACH SITE. THIS INCLUDES THE BUOYS, CABLES AND PIPES THAT WERE INSTALLED TO RETAIN THE BUOYS.
5. ALL MATERIAL REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH TITLE 33, PART VII, SUB-PART 1 (SOLID WASTE) OF THE LOUISIANA ENVIRONMENTAL REGULATORY CODE, LATEST EDITION. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF HIS METHOD AND LOCATION OF DISPOSAL.
6. PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY SUB-SURFACE PIPELINES OR STRUCTURES THAT MAY BE AT OR NEAR EACH SITE. CONTRACTOR SHALL WORK CLOSELY WITH ANY COMPANY THAT MAY HAVE SUCH PIPELINES OR STRUCTURES IN THE AREA. LOUISIANA ONE CALL CAN BE CONTACTED AT 1-800-272-3020.
7. SEE SHEET 2 FOR ADDITIONAL GENERAL AND TECHNICAL NOTES.



DRAWING PLOTTED  
AT HALF-SCALE

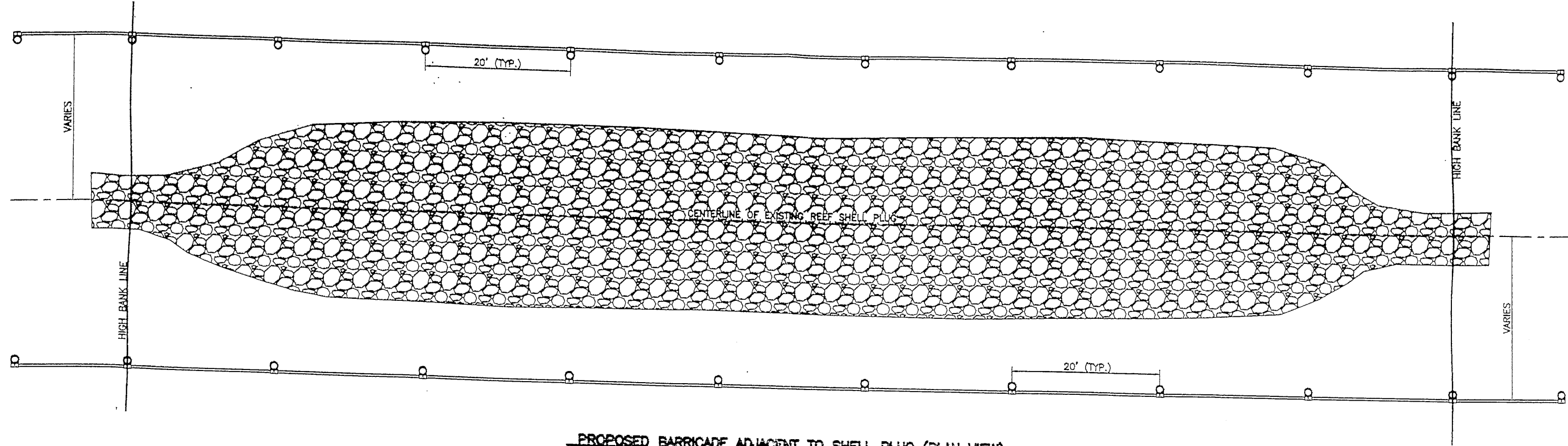
REV.	DATE	REVISIONS	BY
STATE OF LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION			
TE-26 LAKE CHAPEAU WARNING BUOY REPLACEMENT			
PLAN VIEW - SITE 4 AND SITE 5			
PICCOLA & ASSOCIATES, INC. CIVIL ENGR., MARINE ARCHITECTS, MARINE ENGINEERS, LAND SURVEYORS P.O. BOX 867 CUT OFF, LA 70345 PHONE (866) 632-6766 FAX (866) 632-2407			
DESIGNED:	J.C.P.	SCALE:	AS SHOWN
DETAILED:	L.M.C.	DATE:	APRIL 27, 2003
CHECKED:	J.C.P.		
			SHEET NO. 5 of 10

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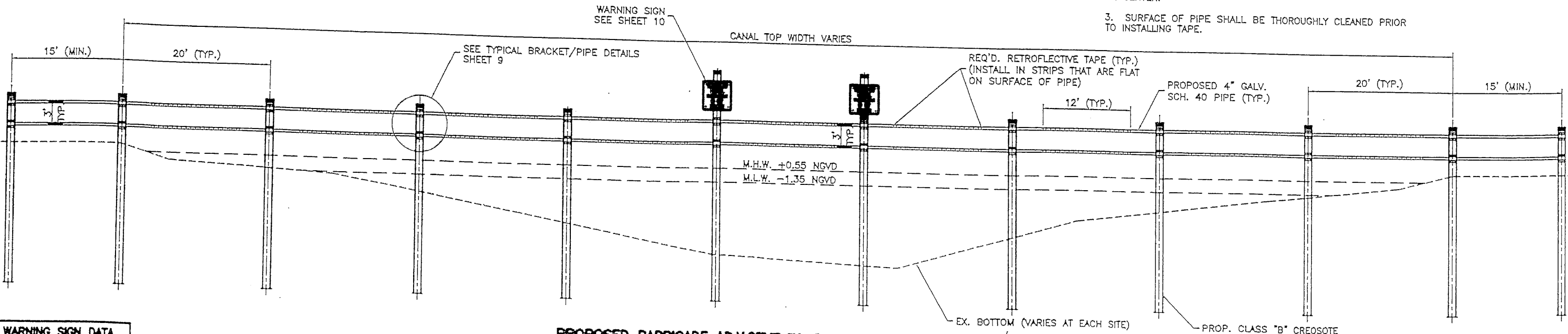
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**PROPOSED BARRICADE ADJACENT TO SHELL PLUG (PLAN VIEW)**  
DRAWING NOT TO SCALE

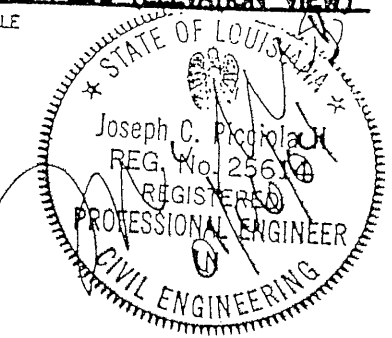
- RETROFLECTIVE TAPE NOTES:**
1. CONTRACTOR SHALL INSTALL RED 2"x5 MIL (MIN.) VINYL RETROFLECTIVE TAPE MEETING FEDERAL SPEC L-S-300, CLASS I AND FP-79 TYPE II REQUIREMENTS AND HAVING A MIN. REFLECTIVITY OF 50 CANDLE POWER.
  2. TWO INCH STRIPS SHALL BE INSTALLED IN STRIPS THAT ARE FLAT ON SURFACE OF PIPE AND SHALL BE PLACED AT 6" ON CENTER.
  3. SURFACE OF PIPE SHALL BE THOROUGHLY CLEANED PRIOR TO INSTALLING TAPE.



**PROPOSED BARRICADE ADJACENT TO SHELL PLUG (ELEVATION VIEW)**  
DRAWING NOT TO SCALE

WARNING SIGN DATA	
SITE	SIGNS REQUIRED
1	2
4	4
5	2
6	2
7	4
9	4

- WARNING SIGN NOTES:**
1. SIGNS SHALL BE INSTALLED SO THAT MAXIMUM VIEWING EFFECT WILL BE ACHIEVED BY ANY APPROACHING VESSEL.
  2. FINAL PLACEMENT AS WELL AS NUMBER OF WARNING SIGNS AT EACH SITE SHALL BE APPROVED BY DNR REPRESENTATIVE AND PROJECT ENGINEER.
  3. EXISTING WARNING SIGNS SHALL REMAIN IN PLACE.
  4. ADDITIONAL FOOTAGE WILL BE REQUIRED FOR PILINGS THAT SIGNS WILL BE ATTACHED TO SO THAT MINIMUM PENETRATION CAN STILL BE ACHIEVED.



DRAWING PLOTTED  
AT HALF-SCALE

REV.	DATE	REMARKS	BY
STATE OF LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL RESTORATION DIVISION			
TE-26 LAKE CHAPEAU WARNING BUOY REPLACEMENT			
TYPICAL BARRICADE - PLAN & ELEVATION VIEWS			
PICCOLA & ASSOCIATES, INC. CIVIL ENGR., MARINE ARCHITECTS, MARINE ENGINEERS, LAND SURVEYORS P.O. BOX 987, COTUIT, MA 01934 PHONE (508) 832-8788 FAX (508) 832-3407			
DESIGNED BY	J.C.P.	SCALE	AS SHOWN
DETAILED BY	L.M.C.	DATE	APRIL 27, 2003
CHECKED BY	J.C.P.		