GENERAL NOTES


SECONDARY SURVEY MONUMENT ELEVATION
BA41-SM-07 4.78 NAVD (GEOID 99)
417.012.65 3,673.358.68

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING FROM A NAVIGABLE WATER BODY TO THE PROJECT AREA. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT AREA AND EXCAVATING ONLY WITHIN THE LIMITS SHOWN ON THE PLANS. THE ENGINEER OR RESIDENT PROJECT REPRESENTATIVE SHALL MONITOR THE EQUIPMENT LOCATION DURING CONSTRUCTION.

3. THE CONTRACTOR SHALL FOLLOW THE SPECIFIED MARSH BUGGY ACCESS ROUTE AND SHALL NOT, AT ANY TIME, TRAVEL AGAINST EXISTING MARSH OR VEGETATED WETLAND BEYOND THE PERMITTED ACCESS ROUTE SHOWN ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

4. ALL MARINE EQUIPMENT SHALL BE FLOATING AT ALL TIMES DURING THE TRANSIT TO AND FROM THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING LANDOWNERS AND PIPELINE/UTILITY OPERATORS AT LEAST 5 WORKING DAYS PRIOR TO MOBILIZATION. ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE MARKED WITH BIDOYS OR FLAGGED STAKES BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BIDOYS OR FLAGGED STAKES DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE CLEARANCES FROM THE PIPELINES SET FORTH IN PLANS AND SPECIFICATIONS. SEE SP-10 OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. NO EXCAVATION IS ALLOWED WITHIN 50 FEET OF A PIPELINE UNLESS OTHERWISE STIPULATED IN AGREEMENT. THE FOLLOWING IS A LIST OF UTILITIES AND PIPELINE OPERATORS KNOWN TO HAVE PIPELINES IN THE VICINITY. PIPELINE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATIONS. THE OWNER IS NOT LIABLE FOR EXACT LOCATIONS. THE CONTRACTOR MUST CALL LOUISIANA ONE CALL AT 1-800-272-3020 AT LEAST 5 WORKING DAYS PRIOR TO MOBILIZATION.

SEBALO ENERGY, LLC
CONTACT: ROBERT HELM
(331) 844-6035

5. PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED IN ONE IS AS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS WILL BE ISSUED BY THE ENGINEER.

6. THE SURVEY DATA SHOWN ON THE PLANS IS BASED ON THE FIELD SURVEYS PERFORMED 12-05-2014 BY SIGMA CONSULTING GROUP, INC. FOR CPRA. ESTIMATED DESIGN QUANTITIES ARE FOR BIDDING PURPOSES AND WERE BASED ON THESE SURVEYS. QUANTITIES WERE CALCULATED USING AVERAGE END AREA METHOD AND AUTOCAD DIGITAL TERRAIN MODELS. AN UPDATED PRE-CONSTRUCTION SURVEY SHALL BE PERFORMED AS PART OF THIS CONTRACT PER TS-2.2.

7. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY IN ALL AREAS OF EXCAVATION AND OTHER WORK THAT MAY POTENTIALLY DAMAGE OR INTERFERE WITH EXISTING INFRASTRUCTURE PRIOR TO ANY WORK.

8. THE WATER CONTROL STRUCTURE EARTHEN BERM RESTORATION ALIGNMENT AND BORROW AREAS MAY BE REVISED BY THE ENGINEER AT THE TIME OF CONSTRUCTION TO REFLECT CHANGES IN FIELD CONDITIONS.

9. ANY DAMAGE CAUSED BY CONTRACTOR'S OPERATIONS TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.

10. MEAN WATER LEVEL (MWL) WAS CALCULATED FROM THE CRMS GAGE CRMS0248-H01 LOCATED DUE EAST OF THE PROJECT AREA ON THE OPPOSITE BANK OF THE BARATARIA BAY WATERWAY. ELEVATIONS ARE REFERENCED TO NAVD 88. US FEET. MWL = 11.3' 90th PERCENTILE WATER ELEVATION = 1.87'. 10th PERCENTILE WATER ELEVATION = -0.48'. PERIOD OF ANALYSIS WAS OCTOBER, 2013 - SEPTEMBER, 2014.

SUMMARY OF ESTIMATED QUANTITIES

BASE BID

<table>
<thead>
<tr>
<th>ITEM No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>ESTIMATED QUANTITY</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>MOBILIZATION AND DEMOBILIZATION</td>
<td>LUMP SUM</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>SURVEYING</td>
<td>LUMP SUM</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>EARTHEN FILL</td>
<td>CUBIC YARDS</td>
<td>175</td>
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<tr>
<td>4</td>
<td>GEOTEXTILE FABRIC</td>
<td>SQUARE YARDS</td>
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<tr>
<td>5</td>
<td>55 LB. CLASS ROCK</td>
<td>SQUARE YARDS</td>
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</tr>
<tr>
<td>6</td>
<td>SLIP LINING</td>
<td>LINEAR FOOT</td>
<td>92</td>
</tr>
<tr>
<td>7</td>
<td>DEWATERING</td>
<td>LUMP SUM</td>
<td>1</td>
</tr>
</tbody>
</table>

1. QUANTITIES SHOWN ARE FOR BID PURPOSES ONLY AND WERE CALCULATED ACCORDING TO THE CONDITIONS SURVEYED IN DECEMBER, 2014. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES HIGHER OR LOWER WITHOUT ADJUSTMENTS OF THE UNIT PRICE.

2. EARTHEN FILL QUANTITIES ARE BASED ON FINAL IN-PLACE VOLUME.

GEORGE L. WILSON
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(309) 935-5280
PROFESSIONAL ENGINEER

SIGMA CONSULTING GROUP, INC.
12035 Plank Road
Baton Rouge, Louisiana 70816

COASTAL PROTECTION AND RESTORATION AUTHORITY
1421 Corporate Center Drive
Baton Rouge, Louisiana 70801

BARATARIA WATERWAY WEST MAINTENANCE PROJECT
BATON ROUGE, LOUISIANA 70801

GENERAL NOTES AND ESTIMATED QUANTITIES

STATE PROJECT NUMBER: BA-23
FEDERAL PROJECT NUMBER: BA-23
DATE: JULY 2015

DRAWN BY: YARBROUGH
DESIGNED BY: WILSON
APPROVED BY: CHAIN

SHEET 2 OF 3
NOTES:
1. BACKGROUND IMAGERY WAS TAKEN IN 2015.
2. OILFIELD ACCESS CANAL SHALL BE USED AS THE SOLE ACCESS POINT FOR EQUIPMENT ENTERING AND EXITING THE PROJECT AREA. EQUIPMENT SHALL REMAIN FLOATING AT ALL TIMES WHEN TRANSITING THE PROJECT AREA.
3. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED ON EXISTING HEALTHY MARSH.
4. PIPELINE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT PIPELINE LOCATIONS WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION. PIPELINES WITHIN 100' OF BORROW OR FILL AREAS SHALL BE PROBED AND LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
5. MAINTAIN 50' MINIMUM LATERAL CLEARANCE FROM EXISTING PIPELINES AND PLATFORMS, TYPICAL ALL LOCATIONS.
6. EXISTING RIPRAP SCOUR PROTECTION ON THE EAST SIDE OF THE WATER CONTROL STRUCTURE SHALL BE MARKED FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. NO EARTHWORK SHALL BE PERFORMED IN THIS AREA.
7. ANY DAMAGE TO EXISTING STRUCTURES IN THE PROJECT AREA RESULTING FROM CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. MAXIMUM DEPTH OF THE EXCAVATION SHALL BE LIMITED TO ELEVATION +10.0' NAVD88.

SCALE: 1" = 100'
1. BASELINE SHOWN IS FOR REFERENCE PURPOSES ONLY. NO MONUMENTATION WAS SET IN THE FIELD.
2. WORK SHALL BE SEQUENCED SUCH THAT THE ELP LINING BE PERFORMED PRIOR TO THE LEVEE RESTORATION.
3. THE LIMITS OF IMPACT PLACEMENT SHALL BE 20 FEET
   FROM THE FACE OF THE CONTROL STRUCTURE (WEST), AND
   10 FEET FROM THE CENTER OF THE LEVEE.
   APPEASEMENT ELEVATION 2.5 ALONG THE LEVEE OR AS OTHERWISE
   DIRECTED BY THE ENGINEER.
4. IT IS THE DESIGN INTENT FOR ALL THE EARTHWORK
   OTHER THAN FILLING IN THE WASHOUTS TO BE
   PERFORMED ON THE WEST SIDE OF THE LEVEE.
EXISTING SECTION AT WATER CONTROL STRUCTURE

NEW GEOTEXILE FABRIC
SHALL BE TOED 12" INTO
EARTHEN EMBANKMENT

ERODED DEPRESSION,
TYPICAL (2) LOCATIONS

PAY LIMITS (±70') ASSOCIATED WITH CONTRACT WORK

REQUIRED REPAIR SECTION

VARIABLES - SEE PLAN

BORROW AREA

VARIABLES - SEE PLAN

TYPICAL BORROW AREA SECTION

SIGMA CONSULTING GROUP, INC.
COASTAL PROTECTION AND RESTORATION AUTHORITY
BARATARIA WATERWAY WEST MAINTENANCE PROJECT

STATE PROJECT NUMBER: BA-23
FEDERAL PROJECT NUMBER: BA-23
DATE: JULY 2015

DRAWN BY: LEMONS
DESIGNED BY: WILSON
APPROVED BY: CHES

SHEET 1 OF 6
NOTES:
1. THE COFFERDAM CONFIGURATION SHOWN ON THESE DRAWINGS IS FOR ILLUSTRATION PURPOSES AND COST ESTIMATION ONLY.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, MAINTENANCE AND REMOVAL OF ITS OWN TEMPORARY RETAINING STRUCTURE (TRS) SYSTEM. THE CONTRACTOR DESIGN AND SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF LOUISIANA AND SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION.

3. TRS (COFFERDAM) LOCATION SHALL BE DETERMINED BY THE CONTRACTOR. HOWEVER, THE LOCATION OF THE COFFERDAM SHALL BE NO CLOSER TO THE EXISTING STRUCTURE THAN THE LIMITS OF THE EXISTING RIPRAP.

NOTES:
1. SLIP LINING EFFORTS SHALL COMPLY WITH TECHNICAL SPECIFICATION 6 (TS-6) AS PROVIDED IN THE PROJECT BID SPECIFICATIONS.
"AS-BUILT"

PLAN

Note:
Bolts shown shall be 3/4" x length as required. Bolts, nuts, and plain washers shall be galvanized and conform to material specifications S81 & S82. All piping shall be "in-place" within 3" of plan location.

SIDE ELEVATION

FRONT ELEVATION

12" pile  
(2 required)

12" pile

SCALE IN FEET

1/2" = 1 - 0
FOR INFORMATIONAL PURPOSES ONLY
FOR INFORMATIONAL PURPOSES ONLY