STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP

BA-34-2
ST. JAMES PARISH

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STATE OF LOUISIANA INSET MAP

ST. JAMES PARISH

60,000' 30,000' 0' 60,000' 120,000'

COASTAL PROTECTION AND RESTORATION AUTHORITY

HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN THE DES ALLEMANDS SWAMP

STATE PROJECT NUMBER: BA-34-2
FEDERAL PROJECT NUMBER: BA-34-2
DATE: JUNE 2017

DRAWN BY: K. CANTU
DESIGNED BY: G. MATTHEW, E.I.
APPROVED BY: S. HAYNES, P.E.

SHEET 1 OF 20
GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT, AT ANY TIME, TREAD ON EXISTING VEGETATED WETLANDS EXTERNAL TO THE PROJECT SITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE. THE ENGINEER OR RESIDENT PROJECT REPRESENTATIVE SHALL MONITOR THE CONTRACTOR’S LOCATION DURING CONSTRUCTION.

3. THE EQUIPMENT SHALL ACCESS THE PROJECT SITE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT DISTURB EXISTING WATER BOTTOMS UNLESS OTHERWISE NOTED.

4. PIPELINES AND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE AND MARK ALL PIPELINES AND UTILITIES LOCATED WITHIN 150 FT. OF THE WORK PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THESE MARKERS DURING CONSTRUCTION.

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

6. ANY DAMAGE 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.

7. THE GAPS AND SpoIL PLACEMENT AREAS MAY BE REVISED BY THE ENGINEER THROUGHOUT THE PERFORMANCE OF THE WORK TO REFLECT CHANGES IN FIELD CONDITIONS.

8. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL EXCAVATED MATERIAL WITHIN THE BOUNDARIES OF THE SPoil PLACEMENT AREAS. ALL DISPLACED SpoIL MATERIAL SHALL BE RETURNED AT NO COST TO THE OWNER.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL NOTIFY LOUISIANA ONE CALL AT 1-800-372-3020 TO LOCATE PIPELINES AND UTILITIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK. THE CONTRACTOR SHALL ALSO NOTIFY THE FOLLOWING PIPELINE AND UTILITY OPERATORS AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK:

   - CYPRESS GAS PIPELINE, LLC
     CONTACT: BRYAN GROOR
     PHONE: (985) 493-4518

2. LAND RIGHTS AGREEMENTS ARE PROVIDED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING LANDOWNERS AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK:

   - BAYOU CHEVREUL LAND CO., LLC
     CONTACT: DANNY MORAN
     PHONE: (225) 608-6678
   - ST. JAMES PARISH GOVERNMENT
     CONTACT: TIMOTHY ROUSSEL
     PHONE: (225) 562-2250

DESIGN NOTES:


2. THE EXISTING ELEVATIONS SHOWN ON THE PLANS ARE BASED ON BATHYMETRIC AND TOPOGRAPHIC SURVEYS PERFORMED IN APRIL, 2015 BY G & C TECHNOLOGIES.

3. DATA FROM CRMS STATION CRMS3054 WAS USED TO CALCULATE THE MEAN HIGH WATER (+1.50') AND MEAN LOW WATER (+0.32')

ENVIRONMENTAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH THE SPECIAL PROVISION FOR PROTECTED SPECIES IN THE SPECIFICATIONS.

SUMMARY OF ESTIMATED QUANTITIES

BASE BID

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>ESTIMATED QUANTITY*</th>
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<tbody>
<tr>
<td>1</td>
<td>MOBILIZATION AND DEMOBILIZATION (TS-100)</td>
<td>LUMP SUM</td>
<td>1</td>
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<tr>
<td>2</td>
<td>SURVEYS (TS-210)</td>
<td>LUMP SUM</td>
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<tr>
<td>3</td>
<td>DAILY BIRD ABATEMENT (TS-211)</td>
<td>EACH</td>
<td>67</td>
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<tr>
<td>4</td>
<td>CLEAR AND GRUB (TS-330)</td>
<td>LUMP SUM</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>TREE REMOVAL AND DISPOSAL (TS-335)</td>
<td>LUMP SUM</td>
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</tr>
<tr>
<td>6</td>
<td>EXCAVATION AND PLACEMENT (TS-340)^2</td>
<td>CUBIC YARD</td>
<td>9,488</td>
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<tr>
<td>7</td>
<td>BALD CYPRESS TREES (TS-1200)</td>
<td>EACH</td>
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<td>8</td>
<td>WATER TULIPE TREES (TS-1205)</td>
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<td>9</td>
<td>TREE SHELTERS (TS-1220)</td>
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ALTERNATIVE 1

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<td>LUMP SUM</td>
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ALTERNATIVE 2

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<tr>
<td>11</td>
<td>ADDITION FOR ALTERNATE GAP 2</td>
<td>LUMP SUM</td>
<td>1</td>
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</table>

1. THE QUANTITIES SHOWN ARE FOR BID PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED IN APRIL, 2015. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES 25% HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.

2. QUANTITY IS BASED ON THE EXCAVATED (CUT) VOLUME OF THE GAPS. PAYMENT QUANTITIES WILL BE BASED ON PROCESS SURVEYS OF THE GAPS.
<table>
<thead>
<tr>
<th>SPOIL BANK GAP CENTERLINE COORDINATES</th>
<th>ESTIMATED GAP EXCAVATION QUANTITIES</th>
<th>AVAILABLE SPOIL PLACEMENT AREA QUANTITIES</th>
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<tbody>
<tr>
<td>SPOIL BANK GAP</td>
<td>NORTHING</td>
<td>EASTING</td>
</tr>
<tr>
<td>BEGINNING (BAYOU)</td>
<td>ENDING (SWAMP)</td>
<td>NORTHING</td>
</tr>
<tr>
<td>1</td>
<td>512,293.95</td>
<td>3,474,001.45</td>
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<td>2</td>
<td>511,778.05</td>
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<td>ALT 2</td>
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NOTE: WORK AREAS CONTAIN APPROXIMATELY 150 TREES PER ACRE OR 1,000 TREES TOTAL.

LEGEND

COASTAL PROTECTION AND RESTORATION AUTHORITY
100 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

HYDROLOGIC RESTORATION AND VEGETATIVE PLANTING IN TREES ALLEMANDS SWAMP

PROJECT LAYOUT

STATE PROJECT NUMBER: BA-16-2

FEDERAL PROJECT NUMBER: BA-16-2

DATE: JUNE 2017

DRAWN BY: K. CANTU

DESIGN BY: G. MATTHEWS, P.E.

APPROVED BY: K. HAYNES, P.E.

SHEET 3 OF 26