STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

BA-0002 & TE-0022 SIGN REPLACEMENT
& TE-0026 TIMBER CAP REPLACEMENT
PROJECT NO. BA-0002, TE-0022, & TE-0026
TERREBONNE & LAFOURCHE PARISH

LICENSE REQUIREMENTS:
CLASSIFICATION III HEAVY CONSTRUCTION

CHR
HEAVY CONSTRUCTION, SUBCLASSIFICATION: LANDSCAPING, GRADING & Beautification OR SPECIALTY, SUBCLASSIFICATION: COASTAL RESTORATION & HABITAT ENHANCEMENT OR SPECIALTY, SUBCLASSIFICATION: SEEDING, SODDING, LOAD & SOIL STABILIZATION, EROSION CONTROL, SHEET PILING

F:\ENGINEERING\BASINS\TE:22-E - OPERATION AND MAINTENANCE\SIGN REPLACEMENT

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT PLAN AREA. THE ENGINEER OR HIS REPRESENTATIVE SHALL MONITOR THE LOCATION DURING CONSTRUCTION. ALL EQUIPMENT SHALL BE FLOATING AT ALL TIMES. DREDGING IS PROHIBITED.

3. THE CONTRACTOR SHALL NOT, AT ANY TIME, TREAD ON EXISTING MARSH OR VEGETATIVE WETLANDS UNLESS OTHERWISE DIRECTED BY THE CPRA PROJECT ENGINEER.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL WARNING SIGNS ON TE-0022 STRUCTURES 1, 2, 3A, 6, 7, AND 8 & BA-0002 STRUCTURE 4A. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING WARNING SIGNS OFFSITE.

5. THE CONTRACTOR SHALL REPLACE EXISTING TE-0022 WARNING SIGN SUPPORT WHERE DAMAGED ON STRUCTURES 3A AND 6 (TWO SUPPORT POLES EACH).

6. THE CONTRACTOR SHALL REPLACE EXISTING TE-0022 WARNING SIGN SUPPORT WHERE DAMAGED ON STRUCTURES 3A AND 6 (TWO SUPPORT POLES EACH).

7. THE CONTRACTOR SHALL REPLACE EXISTING TE-0022 WARNING SIGN SUPPORT WHERE DAMAGED ON STRUCTURES 3A AND 6 (TWO SUPPORT POLES EACH).

8. REGARDING THE TE-0022 SIGNAGE, NEOPRENE WASHERS SHALL BE PLACED BETWEEN THE SIGN AND STEEL PIPE, AT ALL POINTS OF CONTACT.

9. A TOTAL OF 5 WARNING SIGNS, INCLUDING NECESSARY FRAMEWORK, BOUYS, ANCHORS, AND ALL INCIDENTAL CONSTRUCTION, WILL BE FURNISHED BY THE CONTRACTOR UNDER BID ITEM NO. 3 FOR BA-0002 - GIWW/CLOVELLY.

10. A TOTAL OF 24 WARNING SIGNS, INCLUDING NECESSARY FRAMEWORK, BOUYS, ANCHORS, AND ALL INCIDENTAL CONSTRUCTION, WILL BE FURNISHED BY THE CONTRACTOR UNDER BID ITEM NO. 5 FOR TE-0022 - POINT AUX FER ISLAND.

11. SIGNS SHOULD BE LOCATED IN THE SAME LOCATION AND ORIENTATION AS THE PREVIOUS SIGNS. IF ORIENTATION IS IN QUESTION, SIGNS SHOULD BE PLACES AS INDICATED BY CPRA REPRESENTATIVE.

12. 103 TIMBER PILE CAPS ON LAKE CHAPEAU SEDIMENT INPUT AND HYDROLOGIC RESTORATION PROJECT (TE-0026) SHOULD BE REPLACED AS INDICATED IN SHEETS 10-12 OF THESE PLANS.

**SUMMARY OF ESTIMATED QUANTITIES**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>ESTIMATED QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MOBILIZATION &amp; DEMOBILIZATION (BA-0002)</td>
<td>LUMP SUM</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>WARNING SIGN REPLACEMENT (BA-0002)</td>
<td>EACH</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>MOBILIZATION &amp; DEMOBILIZATION (TE-0022)</td>
<td>LUMP SUM</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>WARNING SIGN SUPPORT REPLACEMENT (TE-0022)</td>
<td>EACH</td>
<td>2</td>
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<tr>
<td>5</td>
<td>WARNING SIGN REPLACEMENT (TE-0022)</td>
<td>EACH</td>
<td>24</td>
</tr>
<tr>
<td>6</td>
<td>TIMBER PILE CAP REPLACEMENT (TE-0026)</td>
<td>EACH</td>
<td>103</td>
</tr>
</tbody>
</table>
DANGER
OBSTRUCTION
DO NOT PROCEED

SIGN DETAIL - TYPE "A"
SIGN SUPPORT - TYPE "III"

NOTES:
1. THE 2" BORDER ON THE TYPE "B" WARNING SIGN SHALL BE A RETRO-REFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD SHALL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGNS SHALL BE BLACK. WARNINGS SIGNS SHALL BE PLACED ONLY ON THE SIDE FACING THE BAY.
2. NEOPRENE OR TEFLOM WASHERS SHALL BE PLACED BETWEEN STEEL ANGLE AND ALUMINUM SIGNS.
NOTES:

1. WARNING SIGNS TO BE REPLACED AS DETAILED ON SHEET 3 OF THIS PLAN SET AND TS - 2 OF BID DOCUMENTS
WARNING
CHANNEL
OBSTRUCTION
DO NOT
DO PROCEED

WARNING
CHANNEL
OBSTRUCTION
DO NOT
DO PROCEED

4 1/2" O.D.
GALVANIZED
PIPE SCH 40

2" RADIUS (TYP.)

1" RADIUS (TYP.)

NORMAL MARSH ELEVATION (+1.0)

TOP OF PLUG STRUCTURE
EL = +4.0 (SITE 3), EL = + 0.0
(ALL OTHER SITES)

NOTES:
1. 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.
2. A TOTAL OF 24 WARNING SIGNS, INCLUDING NECESSARY FRAMEWORK, BOYS, ANCHORS, AND ALL INCIDENTAL CONSTRUCTION, WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER BID ITEM NO. 5.
3. 2 GALVANIZED PIPES WILL BE REQUIRED FOR EACH WARNING SIGN SUPPORT UNDER BID ITEM NO. 4.
NOTES:
1. NO DREDGING PERMITTED
2. EQUIPMENT SHALL BE FLOATING AT ALL TIMES

INTERNAL ACCESS

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<thead>
<tr>
<th>PLUG NO.</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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<tbody>
<tr>
<td>1</td>
<td>29°15'30.30&quot;N</td>
<td>91°11'5.04&quot;W</td>
</tr>
<tr>
<td>2</td>
<td>29°15'28.82&quot;N</td>
<td>91°10'50.42&quot;W</td>
</tr>
<tr>
<td>3A</td>
<td>29°15'43.13&quot;N</td>
<td>91°10'42.92&quot;W</td>
</tr>
<tr>
<td>6</td>
<td>29°15'11.08&quot;N</td>
<td>91°10'43.18&quot;W</td>
</tr>
<tr>
<td>7</td>
<td>29°15'21.22&quot;N</td>
<td>91°10'26.09&quot;W</td>
</tr>
<tr>
<td>8</td>
<td>29°15'11.38&quot;N</td>
<td>91°10'8.81&quot;W</td>
</tr>
</tbody>
</table>
EXIST. WARNING SIGNS TO BE REMOVED AND REPLACED IN KIND, PIPE SUPPORTS TO REMAIN

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EXIST. WARNING SIGNS TO BE REMOVED AND REPLACED, PIPE SUPPORTS TO REMAIN

EXIST. WARNING SIGN AND SUPPORT TO BE REMOVED & REPLACED

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COASTAL PROTECTION AND RESTORATION AUTHORITY
1440 TIGER DRIVE, SUITE B
THIBODAUX, LOUISIANA 70301

DRAWN BY: B.J.H
DESIGNED BY: B.J.H
APPROVED BY: B.J.H
REMOVE AND REPLACE EXISTING TIMBER CAP IN KIND (24" x 24", 26 GA GALV FLASHING). ATTACH USING GALV NAILS.

12" x 60' EXISTING TREATED TIMBER PILES

TYPICAL GALVANIZED WOOD PILE CAP

NO SCALE
COASTAL PROTECTION AND RESTORATION AUTHORITY
1440 TIGER DRIVE, SUITE B
THIBODAUX, LOUISIANA 70301

NOTES:
1. NO DREDGING PERMITTED
2. EQUIPMENT SHALL BE FLOATING AT ALL TIMES

E:\CPRA PROJECTS\TE-0022_26_BA-0002\SIGN REPLACEMENT

POINTS:
1. 29°17'48.06"N  91°17'33.81"W
2. 29°16'46.18"N  91°14'06.14"W
3. 29°16'08.46"N  91°14'50.56"W
4. 29°16'27.10"N  91°16'59.85"W
5. 29°17'04.15"N  91°16'54.23"W

GULF OF MEXICO
NOTES:
1. REMOVE AND REPLACE ALL TIMBER PILE CAPS FOR EACH STRUCTURE OF TE-0026, INCLUDING THOSE ON WARNING SIGNS