BRADY CANAL HYDROLOGIC RESTORATION (TE-28) MODIFICATIONS

COASTAL WETLAND PLANNING, PROTECTION AND RESTORATION ACT
PUBLIC LAW 101-646
BY THE
LOUISIANA DEPARTMENT OF NATURAL RESOURCES
WITH THE ASSISTANCE OF THE
NATURAL RESOURCES CONSERVATION SERVICE OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE

AS-BUILT PLANS
9/04/03

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**PROJECT LOCATION MAP**

**PROJECT DESCRIPTION**

**BASE BID:** INSTALL BROKEN STONE ROCK DIKE OR EARTH EMBANKMENT AT BREACH NO. 1 THRU 11 IN ACCORDANCE WITH CONSTRUCTION PLANS. ALSO REPLACE BROKEN TIMBER AT STRUCTURE SITE 6.

**ALTERNATE BID:** INSTALL BROKEN STONE ROCK DIKE IN ACCORDANCE WITH CONSTRUCTION PLANS CONNECTING THE ROCK DIKE AT BREACH 1 WITH BREACH 2 AND BREACH 2 WITH BREACH 3.

**NOTE:**

KNOWN PIPELINES AND UTILITIES ARE ShOWN ON THE PLANS. IT IS POSSIBLE THAT SOME MAY EXIST THAT HAVE NOT BEEN SHOWN. THE CONTRACTOR SHALL BE ON THE ALERT FOR SUCH PIPELINES AND UTILITIES AND SHALL REPORT THEM IMMEDIATELY TO THE CONTRACTING OFFICER.

**NOTICE:**

48 HOURS BEFORE DIGGING CALL 1-800-272-3020 TO LOCATE UTILITY LINES

**AS-BUILT PLANS**

9/04/03

**LEGEND:**

- STRUCTURE LOCATION
- BREACH LOCATION
- BREACHMARK — TOP OF BOLT ON NORThERLY SHEET PILE WALL AT STRUCTURE 23, EL. = 3.51'
- ALTERNATE BID LOCATION

**SCALE:** 1' = 4000'

**PROJECT QUANTITIES**

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<tr>
<th>DESCRIPTION</th>
<th>ESTIMATED QUANTITY</th>
<th>FINAL CONTRACT QUANTITIES</th>
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<tbody>
<tr>
<td>DOLPHIN REPAIR</td>
<td>1 EACH</td>
<td>1 EACH</td>
</tr>
<tr>
<td>BROKEN STONE RIP-RAP</td>
<td>6,300 TONS (BASE)</td>
<td>7,114 TONS (BASE)</td>
</tr>
<tr>
<td></td>
<td>2,500 TONS (ALT.)</td>
<td>2,550 TONS (ALT.)</td>
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<tr>
<td>EARTH EMBANKMENT CONSTRUCTION</td>
<td>2200 LINEAR FEET</td>
<td>2325 LINEAR FEET</td>
</tr>
<tr>
<td>GEOTEXTILE FABRIC</td>
<td>8963 S.Y. (BASE)</td>
<td>9663 S.Y. (BASE)</td>
</tr>
<tr>
<td></td>
<td>12,000 S.Y. (ALT.)</td>
<td>5,651 S.Y. (ALT.)</td>
</tr>
<tr>
<td>SEEDING &amp; FERTILIZER</td>
<td>3.1 ACRES</td>
<td>3.1 ACRES</td>
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</table>
SEE ATTACHED DRAWINGS FOR AS-BUILT CROSS SECTIONS

BASE BID AND ALTERNATE TYPICAL CROSS SECTION
N.T.S.

BASE BID TYPICAL END SECTION
N.T.S.

CONTOURS BASED ON SURVEY OF JAN. 2002

BASELINE:

STATIONING IN FEET BY HORIZONTAL MEASUREMENT

PROPOSED LEVEE & PROFILE

SCALE: 1" = 100' horizontal
1" = 10' vertical

DESIGN ELEV. = 3.5'
ALTERNATE LOCATION (400 FT. TO BREACH 3)

DESIGN ELEV. 3.5'
BROKEN STONE RIP-RAP
GEOTEXTILE

SEE ATTACHED DRAWINGS FOR AS-BUILT CROSS SECTIONS

BASE BID AND ALTERNATE
TYPICAL CROSS SECTION
N.T.S.

ELEV 3.5'
BROKEN STONE RIP-RAP
GEOTEXTILE

BASE BID
TYPICAL END SECTION
N.T.S.

PLAN
SCALE: 1" = 100'

STATIONING IN FEET BY HORIZONTAL MEASUREMENT

0+00 1+00 2+00 3+00 4+00

ELEVATION - FEET NAD 88

DESIGN ELEV. ELEV. = 3.5'

GROUND PROFILE
SURVEY OF 1-2002

AS-BUILT
SURVEY OF 7-10-03

PROPOSED LEVEE & PROFILE
SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL
CONTOURS BASED ON SURVEY OF JAN. 2002

SEE ATTACHED DRAWINGS FOR AS-BUILT CROSS SECTIONS

SECTION A-A

STATIONING IN FEET BY HORIZONTAL MEASUREMENT

ELEVATION - FEET NAD 83

PROPOSED LEVEE & PROFILE

SCALE: 1" = 100' Horizontal
1" = 10' Vertical

DESIGN ELEV. = 3.5'

AS-BUILT SURVEY OF 7-8-03

GROUND PROFILE
SURVEY OF 1-2002
SEE ATTACHED DRAWINGS FOR AS-BUILT CROSS SECTIONS

TYPICAL CROSS SECTION

N.T.S.

CONTOURS BASED ON SURVEY OF JAN. 2002

TYPICAL END SECTION

N.T.S.

STATIONING IN FEET BY HORIZONTAL MEASUREMENT

DESIGN ELEV. ELEV. = 3.5'

AS-BUILT SURVEY OF 7-8-03

GROUND PROFILE SURVEY OF 1-2002

PROPOSED LEVEE & PROFILE

SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL
PLAN

SCALE: 1' = 100'

LIMITS OF CONSTRUCTION

PROPOSED LEVEE

CROSS SECTION AT STA. 24+18

SCALE: 1' = 100' HORIZONTAL
1' = 10' VERTICAL

BASELINE STA. 24+18

DESIGN EMBANKMENT
EL. = 3.5'

GROUND PROFILE
SURVEY OF 7-8-02

AS-BUILT
SURVEY OF 7-8-03

100'

-10

0

-5

-10

5

10

100'

0

-5

0

5

10

ELEVATION-FOOT
B.O.D.

ELEVATION-FOOT
B.O.D.

STATION IN FEET BY HORIZONTAL MEASUREMENT

0+00

1+00

2+00

3+00

4+00

CONTOURS BASED ON SURVEY OF JAN. 2002

SEE ATTACHED DRAWINGS FOR AS-BUILT CROSS SECTIONS

Aug 08, 2003 - 10:56:38 PM FILE: G:\CAD\CAD\03-1029\as-Built-7-8-03\Plan_8-4.dwg (Lughe: Windermere)
NOTES:
1. ALL 3/8" ALL-THREAD TIE RODS (ASTM A-615 GR60 GALV.) SHALL BE SECURED BY NOTCHED IN PLACE ORE WASHERS AND TACK WELDED NUTS.
2. 3 WRAPS OF 3/8" STAINLESS STEEL CABLE BETWEEN THE 3/8" ALL-THREAD TIE RODS.
3. THE 3/8" CABLE SHALL BE SECURED USING 3 STAINLESS STEEL CLAMPS.
4. THE 3/8" ALL-THREAD TIE RODS SHALL BE A MIN. OF 6" BELOW TOP OF BATTER PILES AND 3" VERTICAL CLEARANCE FROM ADJACENT TIE ROD.
5. NEW TIMBER PILE FOR FOUR PILE NAVIGATION AID DOLPHIN SHALL BE 12"x50'.
6. SIGN SHALL BE REINSTALLED ON NEW TIMBER PILE DOLPHIN WITH 3-3/8"x8" STAINLESS STEEL LAG SCREWS WITH 13/8" D.D. S.S. WASHER.
7. DOLPHIN REPAIR WORK SHOULD BE INCLUDED AS PART OF BASE BID, ITEM NO. 2, DOLPHIN REPAIR.

AS–BUILT PLANS
9/04/03

REINSTALL EXISTING BATTERY/DAYLIGHT/SOLAR PANEL ASSEMBLY

REINSTALL EXISTING LIGHT MOUNTING PLATFORM TO NEW PILE. TOP @ +11.0 NAVD

NOTCH PILE

1/2" S.S. BOLTS

NEW 12" TIMBER PILE

3/4" ALL-THREAD (TYP.) TO BE REPLACED

1/2" CABLE (TYP.) TO BE REPLACED

3 FASTENERS
1/2" = 1'-0"

ELEVATION

MOUNTING DETAILS–DAYLIGHT ASSEMBLY
3'-0" = 1'-0"

PLAN

1/2" = 1'-0"

ELEVATION

TIMBER PILE DOLPHIN–ELEVATION VIEW
1/2" = 1'-0"

TIMBER PILE DOLPHIN–PLAN VIEW
1/2" = 1'-0"
AS-BUILT
8/29/03

CROSS SECTION C/L STA. 2+00

CROSS SECTION C/L STA. 5+00

CROSS SECTION C/L STA. 8+00

CROSS SECTION C/L STA. 11+00

CROSS SECTION C/L STA. 1+00

CROSS SECTION C/L STA. 4+00

CROSS SECTION C/L STA. 7+00

CROSS SECTION C/L STA. 10+00

CROSS SECTION C/L STA. 0+00

CROSS SECTION C/L STA. 3+00

CROSS SECTION C/L STA. 6+00

CROSS SECTION C/L STA. 9+00

BREACHES NO. 2 AND NO. 3
CROSS SECTIONS

LEGEND

SCALE: 1" = 5' HORIZ. & VERT.

JULY 8, 2003 AS-BUILT
DNR - BRADY CANAL
P & O FILE NO. 10-1628
CROSS SECTION C/L STA. 9+00

CROSS SECTION C/L STA. 8+00

CROSS SECTION C/L STA. 7+00

CROSS SECTION C/L STA. 6+00

CROSS SECTION C/L STA.5+00

LEGEND

- JULY 9, 2003 AS-BUILT
- DESIGN GRADE SECTION

BREACHES 5 & 6
CROSS SECTIONS

SHEET 2 OF 3

SCALE: 1" = 5' HORIZ. & VERT.

DNR - BRADY CANAL
P & O FILE NO. 10-1628
BASE BID
TYPICAL EARTH FILL SECTION
WITH GEOTEXTILE