COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT (CWPPRA)

WEST BELLE PASS HEADLAND RESTORATION
FEDERAL PROJECT FM-215, STATE PROJECT TE-23

LAFOURCHE PARISH, L.A.
General Note:
The centerline alignment of Closure 4 shall be located approximately 60-feet east of the existing channel. If required, borrow for earthen fill for this closure; a pipe construction may be obtained from within existing levees and landward of this closure. This waterway is designated as a wetland restoration. Closure 4 shall tie into the foreshore protection to be constructed both upstream and downstream of the closure.

LEGEND

Elevations shown on the plan and profile views are available from the Corps of Engineers, New Orleans District.
NOTE:
CHANNEL CONDITIONS SHOWN ARE REPRESENTATIVE
OF CONDITIONS THAT EXISTED IN APR 97.
CROSS SECTION AT EVANS CANAL WEIR
WEIR TO BE CONSTRUCTED AT CENTERLINE OF TENNESSEE GAS P/L DAMS

NOTE:
GEOTEXTILE TO BE LAYED ON THE BOTTOM OF THE CANAL PRIOR TO PLACEMENT OF ARMOR STONE, AND TO EXTEND 5 FT BEYOND THE LIMITS OF THE STONE.

PROPOSED ROCK WEIR

EXISTING ROCK DAM AT P/L CANAL

EVANS CANAL

EXISTING 6" PIPELINE

300 LB/IN GEOTEXTILE FABRIC WIDTH OF GEOTEXTILE 50 FT.

200' X 40' X 1.5 = 90 Tons

50' X 240' X 16' X 4 = 1920 Tons

2' THICK ARMOR STONE
8' X 8' IN MOTION, 12' TURBID

EVANS CANAL WEIR
PLAN VIEW
NOT TO SCALE

LEGEND —— REQUIRED DIRECTION PATH

WEST BELLE PASS

ILS, ARMY ENGINEER DISTRICT, NEW ORLEANS
LAFAYETTE FIELD OFFICE, LA.
NEW ORLEANS, LOUISIANA

WEST BELLE PASS HEADLAND RESTORATION
FEDERAL PROJECT FM-215
STATE PROJECT TE-23
LAFAYETTE FIELD OFFICE, LA.

TYPICAL CHANNEL SECTIONS,
PLAN VIEW AND SECTION OF WEIR

RECEIVED:
DEPICTED:
CHECKED:
DEPICTED:
CHECKED:
DRAFT NO:
DRAFT DATE:
REVIEW DATES:

H-14-44870
5 OF 10
CH - Fat Clay
CL - Lean Clay
ML - Silt, Low Plasticity
SM - Silty Sand

NOTES:
1. WATER EL. WAS ASSUMED TO BE AT EL. 0.
2. GROUND EL. WAS CALCULATED FROM WATER DEPTH AT THE TIME THE BORING WAS TAKEN.
3. SEE DWG. 10 OF 10 FOR SOIL BORING LEGEND.
4. METHOD OF SAMPLING IS BY VIBRACORE.
**UNIFIED SOIL CLASSIFICATION**

**MAJOR DIVISION**
- GRAVEL AND GRAY DRY SAND MIXTURES
- Silty Gravel and Silt Mixtures
- Clayey Gravel and Silt Mixtures
- Sandy and Silty Clay Mixtures
- Clayey Sandy and Silty Clay Mixtures
- Sandy and Silty Loam Mixtures
- Clayey Sandy and Silty Loam Mixtures
- Loam Mixtures
- Clays and Clayey Soils
- Silt and Loam Mixtures
- Organic Soils
- Wood and Other High Organic Soils
- Shells
- No Sample

**TYPICAL NAMES**
- Gravelly gravel and sand mixtures
- Silty gravel and silt mixtures
- Clayey gravel and silt mixtures
- Sandy and silty clays
- Clayey sandy and silty clays
- Sandy and silty loam mixtures
- Clayey sandy and silty loam mixtures
- Loam mixtures
- Organic soils
- Wood and other high organic soils
- Shells
- No sample

**NOTES:**
- Soils possessing characteristics of two groups are designated by combinations of group symbols.

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**DESCRIPTIVE SYMBOLS**

<table>
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<th>COLOR</th>
<th>SYMBOL</th>
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<td>T</td>
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<tr>
<td>YELLOW</td>
<td>Y</td>
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<tr>
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<td>R</td>
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<table>
<thead>
<tr>
<th>CONSISTENCY</th>
<th>CONSISTENCY FOR CONE SOILS</th>
<th>CONSISTENCY FOR UNCONFINED COMPRESSION TEST</th>
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<tr>
<td>VERY SOFT</td>
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<td>&lt; 250</td>
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<tr>
<td>SOFT</td>
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<td>MEDIUM</td>
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<td>600 - 2,000</td>
</tr>
<tr>
<td>HARD</td>
<td>&gt; 2,000</td>
<td>&gt; 2,000</td>
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**MODIFICATIONS**
- Modification for cone soils
- Modification for unconfined compression test

**TYPICAL NOTES:**
- While the borings are representative of subsurface conditions at their respective locations and for their respective vertical reaches, local variations characteristic of the subsurface materials of the region are anticipated and, if encountered, such variations will not be considered as differing materially within the purview of the contract clause entitled "Differing Site Conditions."
- Ground-water elevations shown on the boring logs represents ground-water surfaces encountered in such borings on the dates shown. Absence of water surface data on certain borings indicates that no ground-water data are available from the boring but does not necessarily mean that ground-water will not be encountered at the locations or within the vertical reaches of such borings.
- Consistency of cohesive soils shown on the boring logs is based on driller's log and visual examination and is approximate, except within those vertical reaches of the borings where shear strengths from unconfined compression tests are shown.

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**FIGURES TO LEFT OF BORING UNDER COLUMN "W OR Dg"**
- Are notanewt contents in percent dry weight
- When underlined denotes Dg size in mms

**FIGURES TO LEFT OF BORING UNDER COLUMNS "LL" AND "PL"**
- Are liquid and plastic limits, respectively

**SYMBOLS TO LEFT OF BORING**
- Ground-water surface and date observed
- Denotes location of consolidation test
- Denotes location of consolidated drained direct shear test
- Denotes location of consolidated undrained triaxial compression test
- Denotes location of undrained undrained triaxial compression test
- Denotes location of samples subjected to consolidation test and each of the above three types of shear tests
- Denotes free water encountered in boring or samples

**FIGURES TO RIGHT OF BORING**
- Are values of cohesion in lbs/sq ft from unconfined compression tests

- In parenthesis are driving resistances in b' per foot determined with a standard split spoon sampler B" UL 2.0, 0.5, and a 40 lb. driving hammer with a 30" drop

- Where underlined with a solid the denotes laboratory permeability in centimeters per second of undisturbed samples

- Where underlined with a dashed the denotes laboratory permeability in centimeters per second of sample remolded to the estimated natural void ratio

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**SOIL BORING LEGEND**

- Safety is a part of your contract.