SWG Form 267
12 July 1971

GDLR NO 1423

**PROJECT:** WALLISVILLE LAKE-SLOPE PROTECTION

BORING NO. 72-161

TEST DATA SUMMARY

**LOCATION:** Mile 5 to 6.5

DATE COMPLETED 2 October 1972

| FIELD NO. | Sample Depth, Feet From | Sample Depth, Feet To | CLASSIFICATION<br>ELEVATION TOP BORING _____ | SYMBOL | CONSISTENCY | POCKET (1) PENETROMETER | STAN. PENET. BLOWS/FT (2) | MOISTURE CONTENT % | DRY DENSITY p. c. f. | L.L. | P.L. | Lab Sample No. | BAR L.S. | SIEVE ANALYSIS PERCENT GRVL | SAND | FINES | INIT. WT. | ACC. WT. RTND. SIEVE NO. (3) NO. 4 | NO. 10 | NO. 40 | NO. 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Water 0.0-0.2' | | | | | | | | | | | | | | | | | | |
| 1C | 0.8 | 2.0 | Gray Clay 0.2'-3.8' | CH | M | 0.75 | | 51 | 68 | | | 2576 | | | | | | | | | |
| 2C | 2.8 | 4.0 | sand layer 3.6'-3.8' | | M | 0.50 | | 47 | 72 | 95 | 19 | 2577 | | 0 | 2 | 98 | 50 | 0 | 0 | 0 | 1 |
| 3J | 4.8 | 6.0 | Gray Silty Sand 3.8'-7' | SM | L | | 5 | 25 | | | | 2578 | 1.5 | 0 | 72 | 28 | 50 | 0 | 0 | 3 | 56 |
| 4C | 8.8 | 10.0 | Gray Clay w/ Sand layers 7'-10' | CL | VS | 0.0 | | 35 | * | 43 | 12 | 2579 | | 0 | 42 | 58 | 50 | 0 | 0 | 0 | 21 |
| 5C | 10.8 | 12.0 | Gray Clay w/ sand pockets 10'-12' | CH | S | 0.25 | | 54 | 69 | 53 | 15 | 2580 | | 0 | 10 | 90 | 50 | 0 | 0 | 0 | 5 |
| 6C | 13.2 | 14.0 | Gray Silty Sand 12'-13.5' | SM | S | 0.25 | | 20 | * | | | 2581 | 1 | 0 | 74 | 26 | 50 | 0 | 0 | 7 | 37 |
| 7C | 14.8 | 16.0 | Gray Clayey Silty Sand 13.5'-16' | SM-SC | S | 0.25 | | 22 | 104 | 19 | | 2582 | 3 | 0 | 70 | 30 | 50 | 0 | 0 | 8 | 35 |

* - Disturbed

KEY: CONSISTENCY — COHESIVE SOILS: VS Very Soft, S Soft, M Medium, ST Stiff, VST Very Stiff, H Hard
CONSISTENCY — COHESIONLESS SOILS: VL Very Loose, L Loose, M Medium, D Dense, VD Very Dense

(1) Tons/Sq.Ft. Unconfined Compressive Strength
(2) Split Barrel Sampler
(3) Acc. Wt. Rtnd ÷ Init. Wt. x 100 = % Rtnd.

BORING NO. 72-161

Bottomed at 16.0' Water at _____ Tide Reading _____

Sheet 1 of sheets 1

BORING LOG
FIELD DATA

x = 3, 347, 540
y = 750, 870

Project WALLISVILLE LAKE - SLOPE PROTECTION Location MILE 5 to 6.5 Date 20 OCTOBER 1972
Drill Rig ARCO 550 #5 Inspector BLACKWELL Operator SMITH Surface elev +1.6 MSL
Levee District GALVESTON Job No. 1423 Boring No. 72-161

| SAMPLE NUMBER | DATE TAKEN 1972 | STRATUM FROM | STRATUM TO | DRIVE FROM | DRIVE TO | SAMPLE FROM | SAMPLE TO | TYPE OF SAMPLER | CONTAINER | POCKET PENETROMETER VALUE | CLASSIFICATION AND REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 OCT. | 0.0 | 0.2 | | | | | | | | WATER DEPTH |
| 1 | | 0.2 | | 0.2 | 2.0 | 0.8 | 2.0 | 3" SHELBY TUBE | TUBE | .25 | GRAY ORGANIC CLAY, SOFT |
| 2 | | | 3.8 | 2.0 | 4.0 | 2.8 | 4.0 | | TUBE | 0.0 | VERY SOFT. |
| 3 | | 3.8 | | 4.0 | 4.5 | 4.8 | 6.0 | DRIVE SAMPLER | JAR | | GRAY SAND. |
| | | | | 4.5 | 5.0 | | | | | | 1 BLOW |
| | | | | 5.0 | 5.5 | | | | | | 4 BLOWS |
| | | | | 5.5 | 6.0 | | | | | | |
| | | | 7.0 | 6.0 | 8.0 | — | — | 3" SHELBY TUBE | - | | NO RECOVERY |
| 4 | | 7.0 | | 8.0 | 10.0 | 8.8 | 10.0 | | TUBE | 0.0 | GRAY ORGANIC CLAY WITH TRACE |
| | | | | | | | | | | | SAND AND SHELL, VERY SOFT. |
| 5 | | | | 10.0 | 12.0 | 10.8 | 12.0 | | TUBE | 0.0 | |
| 6 | | | 13.5 | 12.0 | 14.0 | 13.2 | 14.0 | | TUBE | 0.0 | |
| 7 | | 13.5 | 16.0 | 14.0 | 16.0 | 14.8 | 16.0 | | TUBE | 0.0 | GRAY SANDY CLAY WITH SHELL, |
| | | | | | | | | | | | VERY SOFT. |
| | | | | | | | | | | | |
| | | | | | | | | | | | TOTAL DEPTH 16.0 |
| | DRIVE | SAMPLER | | 2" x 1 3/8" | | x 24" | | | | | |

WES FORM NO. 819 REV NOV 1971 PREVIOUS EDITION IS OBSOLETE

Sheet 1 of 1 Sheets

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| 7C | 14.8 | 16.0 | Gray Clayey Silty Sand 13.5'-16' | SM-SC | S | 0.25 | | 22 | 104 | 19 | | 2582 | 3 | 0 | 70 | 30 | 50 | 0 | 0 | 8 | 35 |

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Sheet 1 of sheets 1