BRAZOS ISLAND HARBOR
BROWNSVILLE, TEXAS
SIEVE ANALYSIS

TABLE NO. 2

| HOLE NO | DEPTH FT | PERCENT FINER SIEVE SIZES 30 | 40 | 50 | 70 | 100 | 140 | 200 | CLASSIFICATIONS |
|---|---|---|---|---|---|---|---|---|---|
| 3ST-26 | 38-40 | -- | -- | -- | 100 | 93 | 70 | 31 | Brown Silty Sand (SM) |
| 3ST-31 | 18-20 | -- | -- | 100 | 95 | 71 | 45 | 31 | Brown Silty Sand (SM) |
| 3ST-32 | 18.5-21 | -- | -- | 100 | 95 | 71 | 44 | 31 | Brown Silty Sand (SM) |
| 3ST-32 | 23-25 | -- | 100 | 99 | 94 | 67 | 38 | 28 | Brown Silty Sand (SM) |
| 3ST-34 | 30-32 | 100 | 99 | 99 | 98 | 78 | 73 | 42 | Brown Silty Sand (SM) |

GALVESTON DISTRICT LABORATORY 1096

SWG Form 267(C)
28 Jan 1965

PROJECT: Brazos Island Harbor

LOCATION: Brownsville Texas

TEST DATA SUMMARY

BORING NO. 3st-32

DATE DRILLED 2 Dec. 1966

| FIELD NO. | DEPTH | 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. | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C-1 | 0-2 | Gray, Brown Clay 0-6 | CL | VST | 3.25 | | 17.7 | 111 | | | | | | | | | | | |
| J-1 | 2-4 | Cal Nod 0-2 & 4-6 | | | | | 22.8 | | 37 | | 15.0 | 0 | 12 | 88 | 50 | 0 | 0 | 1 | 6 |
| C-2 | 4-6 | | | M | 0.5 | | 30.0 | 93 | | | | | | | | | | | |
| C-3 | 6-8½ | Brown Clay 6-13.5 | CH | ST | 1.0 | | 34.7 | 88 | 67 | | 21.0 | 0 | 4 | 96 | 50 | 0 | 0 | 0 | 2 |
| C-4 | 8½-10 | | | ST | 1.5 | | 33.4 | 90 | | | | | | | | | | | |
| X | 10-11 | | | | | | | | | | | | | | | | | | |
| C-5 | 11-13½ | | | ST | 1.0 | | 29.3 | 94 | | | 19.0 | 0 | 14 | 86 | 50 | 0 | 0 | 0 | 7 |
| J-2 | 13½-15½ | Gray Clayey sandy silt 13.5- | SC/SM | | | | 26.4 | | | | 3.0 | 0 | 56 | 44 | 50 | 0 | 0 | 0 | 28 |
| J-3 | 15½-16 | 16 | | | | | 30.1 | | | | | | | | | | | | |
| C-6 | 16-18½ | Brown Clay 16-18.5 | CH | VST | 2.25 | | 30.5 | 91 | | | 23.0 | 0 | 6 | 94 | 50 | 0 | 0 | 0 | 3 |
| J-4 | 18½-21 | Gray silty sand 18.5-21 | SM | | | | 23.0 | | | | 2.0 | 0 | 69 | 31 | 100 | 0 | 0 | 0 | 69 |
| C-7 | 21-23 | Gray clayey sand 21-26.5 | SC | VST | 3.0 | | 17.2 | 114 | | | | | | | | | | | |
| J-5 | 23-25 | | | | | 27 | 17.3 | | | | 6.0 | 0 | 72 | 28 | 100 | 0 | 0 | 0 | 72 |
| X | 25-26½ | | | | | | | | | | | | | | | | | | |
| C-8 | 26½-28 | Brown Clay 26.5-30 | CH | H | 4.5+ | | 12.1 | 123 | | | | | | | | | | | |
| C-9 | 28-30 | Cal Nod 26.5-28 | | H | 4.5+ | | 14.6 | 120 | 53 | | 16.0 | 0 | 4 | 96 | 50 | 0 | 0 | 1 | 2 |
| C-10 | 30-32 | Brown sandy clayey silt | CL/ML | VST | 3.75 | | 17.6 | 113 | | | 2.0 | 0 | 22 | 78 | 50 | 0 | 0 | 0 | 11 |
| | | 30-32 | | | | | | | | | | | | | | | | | |

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. 3st-32