MATAGORDA SHIP CHANNEL
BEACON #19 TO
MATAGORDA PENINSULA

# TEST DATA SUMMARY

Sheet 62 of ____

FEATURE LOG OF SOIL BORING

| BORING NO. | SAMPLE NO. | DEPTH OR ELEV OF SAMPLE | LABORATORY CLASSIFICATION | MECHANICAL ANALYSIS GRAVEL % | SAND % | FINES % | D50 | ATTERBERG LIMITS LL | PI | SPECIFIC GRAVITY G | NATURAL WATER CONTENT % | NATURAL DRY DENSITY LBS/CU FT | COMPACTION DATA OPTIMUM WATER % | MAXIMUM DRY DENSITY LBS/CU FT | SHEAR DATA INITIAL e | DRY DENSITY LBS CU FT | $W_i$ % | $W_f$ % | $S_i$ % | TYPE TEST | SPECIMEN SIZE INCHES | TEST | $\sigma_{III}$ T/SQ FT | $\sigma_I$ T/SQ FT | C T/SQ FT | Ø DEGREES | PERMEABILITY e | K FT/MIN | CONSOLIDATION DATA $P_o$ T/SQ FT | $P_c$ T/SQ FT | $C_c$ | $t_{50}$* | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35T-107 | 61- | 0.0 | = Water Surface (Elev | + 2.7 | (MLT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | — | | Water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 13.0 | | 61-71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4833 | | SM | 0 | 73 | 27 | 0.0 | | 1.0 | | 31.3 | 95.0 | Gray, Silty Sand (SM), V/Soft | | | | | | | | | | | | | | | | | | | | |
| | | 16.0 | | 0-0-89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4834 | | SM | 0 | 80 | 20 | | | 0.5 | | 29.7 | | Gray, Silty Sand (SM), Soft | | | | | | | | | | | | | Loose | | | | | | | |
| | | 18.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | SM | | | | | | | | (30) | | No Drillers Classification, Assumed Same as above | | | | | | | | | | | | | | | | | | | | |
| | | 20.0 | | 0-1-83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4835 | | SM | 0 | 84 | 16 | | | 0.0 | | 28.9 | | Gray, Silty Sand (SM) | | | | | | | | | | | | | | | | | | | | |
| | | 21.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | SM | | | | | | | | | | No Drillers Classification, Assumed same as above | | | | | | | | | | | | | | | | | | | | |
| | | 22.5 | | 0-0-78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4836 | | SM | 0 | 78 | 22 | | | 0.0 | | 26.8 | | Tan, Silty Sand (SM), V/Dense | | | | | | | | | | | | | | | | | | | | 24/23.0'-24.0' |
| | | 24.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | SM | | | | | | | | | | No Drillers Classification, Assumed same as above | | | | | | | | | | | | | | | | | | | | |
| | | 27.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4837 | | SM | Same as 61-4836 | | | | | | | 27.3 | | Tan, Silty Sand (SM), V/Dense | | | | | | | | | | | | | V/Dense | | | | | | | 30/27.5'-27.8' |
| | | 28.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | SM | | | | | | | | | | No Drillers Classification, Assumed Same as above | | | | | | | | | | | | | | | | | | | | |
| | | 30.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | SM | | | | | | | | (26) | | No Drillers Classification, Assumed same as above | | | | | | | | | | | | | | | | | | | | |
| | | 31.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4838 | | SM | Same as 61-4837 | | | | | | | 24.0 | | Tan, Silty Sand (SM), V/Dense | | | | | | | | | | | | | | | | | | | | 36/33.0'-33.0' |
| | | 33.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | SM | | | | | | | | | | No Drillers Classification, Assumed same as above | | | | | | | | | | | | | | | | | | | | |
| | | 35.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4839 | | CL | 0 | 2 | 98 | 0.20 | 32 | 32 | 12.0 | 29.4 | 97.0 | Brown, Clay (CL), V/soft | | | | | | | | | | | | | | | | | | | | |
| | | 37.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | CL | | | | | | | | (31) | | No Drillers Classification, Assumed same as above | | | | | | | | | | | | | | | | | | | | |
| | | 40.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4840 | | CL | 0 | 4 | 96 | 0.50 | 32 | 6 | 13.0 | 30.7 | 92.2 | Brown, Clay (CL), soft | | | | | | | | | | | | | Soft to V/soft | | | | | | | |
| | | 42.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | CL | | | | | | | | | | No Drillers Classification, Assumed same as above | | | | | | | | | | | | | | | | | | | | |
| | | 46.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4841 | | CL | 0 | 1 | 99 | 0.50 | 37 | 8 | 11.5 | 34.3 | 90.9 | Brown, Clay (CL), ~~medium~~ soft | | | | | | | | | | | | | | | | | | | | |
| | | 48.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Bottomed @ a depth of 48.0' below water surface in Brown, Clay (CL) medium
Boring @ Sta. 35+000, 100' NE &

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

ENG FORM 1 DEC 73 2088