LOG OF BORING NO. 86-32

BOAT HARBOR AND TURNING BASIN
MATAGORDA, TEXAS

LOCATION : See Plate 1

SURFACE EL

DEPTH, FT	SYMBOL	SAMPLES	Description	BLOWS PER FT	% PASSING NO. 200 SIEVE	UNIT DRY WT LB PER CU FT	WATER CONTENT, % (Plastic Limit / Natural / Liquid Limit)	UNDRAINED SHEAR STRENGTH KIPS PER SQ FT (KILOPASCALS)	Penetrometer
	1-Q		Soft brown and gray clay with roots and sand pockets						0.5
5	2-S		Very loose gray and brown clayey sand with organic matter and clay seams	0-0-1					
	3-Q		Very stiff gray and brown clay - firm to 8'						1.25
10	* 4-Q		- with calcareous nodules to 10' - stiff, 8' to 10' and at 16'						2.4
	* 5-Q		- red, light gray and slickensided below 8'						3.5
	6-Q								3.4
15	7-Q								3.1
	8-Q								3.8
20	9-Q								3.6
25			* 10-in. sample						
30									
35									
40									
45									
50									

Driller: T. Mooney
Technician: B.B. Broughton
Drilling Equipment: Failing 250 on Ardco Buggy

JOB NO. : 0186-3016
COMPLETION DEPTH : 20 ft
DATE : June 3, 1986
DEPTH TO WATER IN BORING : at Surface
CAVED AT : 4.7ft
DATE : June 4, 1986

SAMPLER : 3-in. Thin-walled Tube and 2-in. Split-barrel Sampler

DRILLING METHOD : Wet Rotary

STRENGTH LEGEND
- ● Unconfined Compression
- ▲ Unconsolidated-Undrained Triaxial Compression
- ✦ Miniature Vane
- (open symbols above indicate remolded tests)
- ⊕ Torvane
- ⊠ Hand Penetrometer

McCLELLAND ENGINEERS

Job Number	Boring Number	Sample Number	Penetration
01863022	86-26	1	2

Weight of Dry Soil (Total Sample): 58.74

Sieve Number	Cum. Wt. Retained (gms)	Diameter (mm)	Percent Finer
10	0.04	2.000	100
40	0.34	0.420	99
200	3.48	0.074	94

Job Number	Boring Number	Sample Number	Penetration
01863022	86-29	2	4

Weight of Dry Soil (Total Sample): 101.69

Sieve Number	Cum. Wt. Retained (gms)	Diameter (mm)	Percent Finer
40	0.45	0.420	100
200	22.11	0.074	78

Job Number	Boring Number	Sample Number	Penetration
01863022	86-32	2	6

Weight of Dry Soil (Total Sample): 116.22

Sieve Number	Cum. Wt. Retained (gms)	Diameter (mm)	Percent Finer
10	0.42	2.000	100
40	0.70	0.420	99
200	15.97	0.074	86

ABBREVIATED MECHANICAL SIEVE ANALYSIS

Drafted : Date : Checked : Date : Approved : Date : Form DFT-1.00 (12/81) Job No. :