MATAGORDA SHIP CHANNEL
LIGHT #51 TO Beacon #19

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	~~%~~	ATTERBERG LIMITS: LL	~~PL~~	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	σ_m T/SQ FT	σ_1 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-65	61-	0.0 =	Water Surface (Elev. + 2.6' MLT)																														
	—		Water																														
		4.5																															
	4373		(SC)	(Same as 61-4374)							39.6																						
		9.0		9-13																													
	4374		SC	22	48	30				16.0																							
		12.0																															
	X		(SC)																														
		14.0																															
	4375		(SC)	(Same as 61-4376)							28.6																						
		16.0		12-21	22-23	3				29																							
	4376		SC	33	52	19																											
		18.0																															
	4377		(Sm)	(Same as 61-4378)							27.5																						
		22.0																															
	X		(Sm)																														
		25.0		13-21	17-27-10					27																							
	4378		SM	34	54	12					26.9																						
		27.0																															
	X		(Sm)																														
		30.0																															
	4379		(CL)	(Same as 61-4380)							29.7																						
		32.0																															
	X		(CL)																														
		35.0																															
	4380		CL	6	31	63					43.6																						
		37.0																															
	X		(CL)																														
		40.0																															
	4381		CH	0	2	98	0.50	725	250		62.4		60.7																				
		42.0																															
	X		(CH)																														
		45.0																															
	4382		(CH)	(Same as 61-4381)			0.50				62.3		62.0																				
		47.0																															

Bottomed @ a depth of 47.0' below water surface in Gray, CLAY, CH (Soft)
Boring @ Sta. 72+000, 100' N.E. ℄

Gray, Clayey Shelly Sand (SC) — Water
Gray, Clayey Shelly Sand (SC), v/soft binder (Loose)
Gray, Clayey Shelly Sand (SC), v/soft binder (Loose)
(No Drillers Classification, assumed to be same as above)
Gray, Clayey Shelly SAND (SC), v/soft binder (Loose)
Gray, Clayey Shelly SAND (SC), v/soft binder (Loose)
Gray, Silty Shelly SAND (Sm), v/soft binder (Loose)
"Same as below"
Gray, Silty Shelly SAND (Sm), v/soft binder (Loose)
(No Drillers Classification, assumed to be same as above)
Gray, CLAY (CL), (v/soft), w/shell
(No Drillers Classification, assumed to be same as above)
Gray, CLAY (CL), (v/soft), w/shell
(No Drillers Classification, assumed to be same as above)
Gray, CLAY (CH), Soft
(No Drillers Classification, assumed to be same as above)
Gray, CLAY (CH), Soft

~~* Values at Pressure~~ ~~T/SQ FT~~

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

DLR 407