MATAGORDA SHIP CHANNEL
LIGHT #51 TO Beacon #19

TEST DATA SUMMARY

FEATURE Log of Soil Boring

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	#200	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	σ_{III} T/SQ FT	σ_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-64	61-	0.0 =	Water Surface (Elev. +2.5' MLLW)																														
			Water										Water																				
		12.5		27.27																													
	4412		GC	54	31	15			-		34.4		Gray, Clayey Sandy SHELL (GC)																				
		16.0																															
	4413		(CH)	(Same as 61-4414)							59.0		Dark Gray, CLAY (CH), v/soft, w/shell fragments																				
		20.0																															
	4414		CH	0	10	90		57.5	18.5		64.6		Dark Gray, CLAY (CH), v/soft, w/shell fragments																				
		22.0																															
	4415		CH	0	10	90	0.25	55.9	19.5		66.9	60.7	Dark Gray, CLAY (CH), v/soft.																				
		24.5																															
	4416		(CH)	(Same as 61-4415)							67.7		Dark Gray, CLAY (CH), v/soft																				1/25.0 - 26.0
		26.0																															
	X		(CH)										"Same as below"																				
		29.0																															
	4417		CH	1	11	88		56.4	19.0		80.0		Gray to Brown, CLAY (CH), v/soft																				0/29.0 - 31.0
		31.0																															
	X		(CH)										No Drillers Classification, assumed to be same as above																				
		34.0																															
	4418		CH	0	3	97	0.25	61.8	21.0		61.9	62.4	Gray to Brown, CLAY (CH), v/soft																				
		36.0																															
	4419		(CH)	(Same as 61-4418)							71.8		Gray to Brown, CLAY (CH), v/soft																				0/36.0 - 37.5
		37.5																															
	X		(CH)										(No Drillers Classification, assumed to be same as above).																				
		40.0																															
	4420		CH	0	2	98	0.25	66.8	24.0		63.5	61.9	Gray, CLAY (CH), v/soft																				
		42.0																															
	4421		(CH)	(Same as 61-4420)							71.4		Gray, CLAY (CH), v/soft																				0/42.0 - 43.5
		43.5																															
	X		(CH)										(No Drillers Classification, assumed to be same as above)																				
		45.0																															
	4422		(CH)	0	5	95	0.25	68.9	24.5		63.6	63.6	Gray, CLAY (CH), v/soft																				
		47.0																															
	4423		CH								65.5		Gray, CLAY (CH), v/soft																				0/47.0 - 48.5
		48.5																															
			Bottomed @ a depth of 48.5' below water surface in Gray, CLAY (CH), v/soft																														
			Boring @ Sta. 78+000, 100' S.W. ℄																														

* Values at Pressure T/SQ FT

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

DLR 907