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	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-60	61-	0.0 =	Water Surface (Elev + 2.0' MLT)																														
			Water										Water																				
		7.0		6-18																													
	4395		SC	24	47	29			15.0		42.9		Gray, Shelly Clayey SAND (SC) (Loose)																				
		10.0			(43)	Gray Shelly Clayey Sand (SC)																											
	X		(SC)										"Same as above"																				
		12.0																															
	4396		(SC)	(Same as 61-4395)							30.6		Gray, Shelly Clayey SAND (SC), (Loose)																				
		14.0																															
	X		(SC)			Gray Shelly Clayey Sand (SC)							(No Drillers Classification; assumed to be same as above)																				
		16.0			0-1-62	31	Soft																										
	4397		SC	0	63	37	0.25		5.0		32.9	86.5	Gray, Clayey SAND (SC), w/shell fragments																				
		18.0																															
	X		(SC)										(No Drillers Classification; assumed to be same as above)																				
		20.0																															
	4398		(SC)	(Same as 61-4397)			0.25				29.7	91.3	Gray, Clayey SAND (SC), w/shell fragments																				
		22.0									93.2																						
	X		(SC)										(No Drillers Classification; assumed to be same as above)																				
		25.0																															
	4399		CL	0	46	54		31	9.0		41.7		Gray to Brown, Sandy CLAY (CL), v/soft																				
		27.0				42 Gray Sandy Clay (CL)																											
	X		(CL)										(No Drillers Classification; assumed to be same as above)																				
		30.0																															
	4400		CH	0	22	78	0.25	53.0	17.0		57.2	65.6	Gray, Sandy CLAY (CH), v/soft																				
		32.0																															
	X		(CH)			Gray Sandy Clay (CH)							(No Drillers Classification; assumed to be same as above)																				
		35.0				55	Soft to Med.																										
	4401		CH	0	11	89	0.25	53.6	18.0		50.8	67.3	Brown to Gray, CLAY (CH), v/soft																				
		37.0																															
	X		(CH)										(No Drillers Classification; assumed to be same as above)																				
		40.0																															
	4402		CH	0	3	97	0.50	63.6	23.0		55.1	69.1	Bluish Gray, CLAY (CH), Soft, w/trace of shell																				
		42.0																															
	X		(CH)										(No Drillers Classification; assumed to be same as above)																				
		45.0																															
	4403		(CH)	(Same as 61-4402)			0.50				57.3	66.6	Bluish Gray, CLAY (CH), Soft, w/trace of shell																				
		47.5																															
			Bottomed @ a depth of 47.5' below water surface in Bluish Gray, CLAY (CH), Soft, w/trace of shell																														
			Boring @ Station 824+00, 100' S.W. of ℄																														
										4	2.04																						

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

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

DLR 907