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_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
3ST-59	61-	0.0 =	Water	Surface (Elev. +3.0' M.L.T.)																													
		Water																															
		7.0																															
	4343		(SC)	(Same as 61-4344) 4-2-71 13.20.18				Gray Clayey Shelly Sand (SC) 5					Gray, Clayey Shelly Sand (SC) (Loose)																				
		10.0																															
	4344		SC	25	51	24					37.5		Gray, Clayey Shelly SAND (SC) (Loose)																				
	X	12.0	(SC)		38			Gray Clayey Shelly Sand (SC)					"Same as above"																				
		14.0			4-2-71																												
	4345		SM	6	77	17			0.0		30.7		Gray, SILTY SAND (SM), (Loose) w/shell																				
	X	16.0	(SM)					Gray Silty Sand (SM) 28 Loose					"Same as above"																				
		19.5																															
	4346		(SM)	(Same as 61-4345)							28.0		Gray, Silty SAND (SM) Medium Dense, w/shell fragments																				3/20.0-21.0
	X	21.0	(SM)										"Same as above"																				
		23.5			0-1-74																												
	4347		SM	0	75	25	0.25		0.0		26.8	98.1	Gray, Silty SAND (SM), Medium Dense, w/shell fragments																				
		25.5																															
	4348		(SM)	(Same as 61-4347)							59.7		Gray, Silty SAND (SM), w/shell fragments w/clay lenses.																				
	X	27.0	(SM)					Gray Silty Sand (SM) 60 w/Shell Fragments + Clay Lenses					(No Driller's Classification, assumed to be same as above)																				
		30.0																															
	4349		CL	0	33	67	0.25	35.7	9.5		40.2	75.7	Gray to Brown, Sandy CLAY (CL), v/soft																				
	X	32.0	(CL)					Gray Sandy Clay (CL) 40 Soft					(No Driller's Classification; assumed to be same as above)																				
		35.0																															
	4350		(CH)	0	10	90	0.25	54.3	16.0		53.3	68.1	Gray, CLAY (CH), v/soft, w/trace of shell																				
	X	37.0	(CH)					Gray Clay (CH)					"Same as above"																				
		40.0																															
	4351		CH	6-15 21	27	52	0.25	51.8	17.0		35.5	85.6	Brown to Gray, Shelly Sandy CLAY (CH), v/soft																				
	X	42.0	(CH)					46 Soft					"Same as above"																				
		45.0																															
	4352		CH	0	22	78	0.25	49.2	17.0		47.8	72.6	Gray to Brown Sandy CLAY (CH), v/soft, w/trace of shell																				
		47.5																															

Bottomed @ a depth of 47.5' below water surface in Gray to Brown, Sandy Clay (CL), v/soft, w/trace of shell.
Boring @ Sta. 83+000, 100' N.E. ℄

3 | 13 6.6

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

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

DLR 907