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 %	~~PH~~	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
357-56	61-	0.0	Water	Surface (Elev. +3.0' MLT)									Water																				
			Water																														
		8.0																															
	4333		(SC)	(Same as 61-4334)							54.3		Dark Gray, Clayey SAND (SC), v/soft																				
		15.0																															
	X		(SC)										"Same as above"																				
		17.0		2-3-54																													
	4334		SC	1	59	40	0.00		5.0		43.8	82.2	Dark Gray, Clayey SAND (SC), v/soft																				
		19.0																															
	X		(SC)										(No Drillers Classification; assumed to be same as above)																				
		19.5																															
	4335		CL	0	46	54		38.0	10.0		50.3		Dark Gray, Sandy CLAY (CL), v/soft																				0/20.0-21.0
		21.0																															
	X		(CL)										"Same as above"																				
		25.0		0-1-80																													
	4336		SM	1	81	18	0.25		0.0		23.7	107.0	Gray, Silty SAND (SM), Medium Dense, w/trace of clay																				
		27.0																															
	X		(SM)										(No Drillers Classification; assumed to be same as above)																				
		27.5																															
	4337		(SM)	(Same as 61-4336)							30.6		Gray, Silty SAND (SM), Dense																				8/28.0-29.0
		29.0																															
	X		(SM)										(No Drillers Classification; assumed to be same as above)																				
		31.0		1-1-72																													
	4338		SM	1	74	25	0.25		0.0		23.3	109.2	Gray, Silty SAND (SM) (Dense)																				
		33.0																															
	X		(SM)										(No Drillers Classification; assumed to be same as above)																				
		35.0																															
	4339		(SM)	(Same as 61-4338)			0.50				21.3	117.1	Gray, Silty SAND (SM), (Dense)																				
		37.0		1-0-24																													
	4340		SM	0	77	23			0.0		24.4		Gray to Light Gray, SILTY SAND (SM), Dense																				13/37.5-38.5
		38.5																															
	X		(SM)										(No Drillers Classification; assumed to be same as above)																				
		40.0		2-22-29																													
	4341		SC	0	53	47	3.50		7.0		19.8	117.1	Light Bluish Gray, Clayey SAND (SC), Dense																				
		42.0																															
	X		(SC)										"Same as above"																				
		46.0																															
	4342		SC	12	42	46			—		20.4		Gray to Light Gray, Clayey SAND (SC), w/shell & calcareous nodules																				
		48.0																															

Bottomed @ a depth of 48.0' below water surface in Gray to Light Gray, Clayey Sand (SC), w/shell & calcareous nodules.
Boring @ Sta. 86+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