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	*	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-54	61-	0.0 =	Water	Surface	(Elev.	+ 2.6'	MLLT)						Water																				
		12.0	Water																														
	4307		(OH)	(Same as 61-4308)							176.1		Black to Dark Gray, CLAY (OH), v/soft organic																				0/12.0-16.0
		16.0																															
	4308		OH	0	2	98		85.9	27.0		174.3		Black to Dark Gray, CLAY (OH), v/soft, organic, Ignition Loss = 11.2%																				0/16.0-18.0
		18.0																															
	4309		(CH)	(Same as 61-4308)		0.25					68.2	56.8	Dark Gray, CLAY (CH), v/soft																				0/18.0-20.0
		20.0																															
	4310		(CH)	(Same as 61-4311)							78.9		Dark Gray, CLAY (CH), v/soft																				0/20.0-22.0
		22.0																															
	X		(CH)										(No Drillers Classification; assumed to be same as above)																				
		25.0																															
	4311		CH	0	20	80	0.25	50.7	17.0		69.5	57.7	Dark Gray, CLAY (CH), v/soft																				0/25.0-27.0
		27.0																															
	4312		(Sm)	(Same as 61-4313)							29.3		Light Gray Silty SAND (Sm), Dense																				7/27.5-28.5
		28.5																															
	4313		SM	0	1-1-73 75	25	0.50		0.0		22.9	103.1	Light Gray, Silty SAND (SM), (Dense)																				
		30.5																															
	4314		CL	0	14	86	1.50	47.3	19.0		22.6	100.0	Tan, CLAY (CL) stiff, w/sand pockets																				
		32.0																															
	X		(CH)										"Same as below"																				
		35.0																															
	4315		CH	0	18	82	2.75	52.7	19.0		24.7	101.7	Rust to Light Gray, CLAY (CH), v/stiff																				
		37.0																															
	X		(CH)										"Same as above"																				
		40.0																															
	4316		(CH)	(Same as 61-4315)		4.25					20.8	111.0	Rust to Light Gray, CLAY (CH), Hard																				
		42.0																															
	X		(CH)										"Same as below"																				
		45.0																															
	4317		CH	0	11	89	3.75	71.9	25.0		29.9	93.0	Light Gray to Rust, CLAY (CH), v/stiff																				
		47.0																															
	4318		(CH)	(Same as 61-4317)		3.25					30.2	96.9	Light Gray to Rust, CLAY (CH), v/stiff																				
		49.0																															
			Bottomed @ a depth of 49.0' below water surface in Light Gray to Rust, CLAY (CH), v/stiff																														
			Boring @ Sta. BB +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