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 %	D10	ATTERBERG LIMITS: LL	PL	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
3ST-51	61-	0.0=	Water	Surface	(Elev.	+ 2.3'	MLT)						Water																				
		7.0																															
	4271		OH	0	12	88	Gray	Clay (OH) 67/22.0			128 (V/Soft, Organic)		Dark Gray, CLAY (OH), v/soft, organic																				0/7.0-11.0
		11.0																															
	4272		CH	0	18	82	0.25	52.1/16.0			78.0	53.7	Gray, CLAY (CH), v/soft, Ignition Loss = 4.2%																				0/11.0-15.0
		15.0																															
	X		(CH)										(No Drillers Classification; assumed to be same as above)																				
		18.0						Gray Clay (CH)																									
	4273		(CH)	(Same as 61-4272)							82.8		Gray, CLAY (CH), v/soft, w/shell																				0/18.0-21.0
		21.0																															
	X		(CH)		75	V/Soft							(No Drillers Classification; assumed to be same as above)																				
		24.0																															
	4274		CH	0	17	83	0.25	56.4/8.0			63.5	61.4	Gray to Brown, CLAY (CH), v/soft																				
		26.0																															
	X		(CH)										(No Drillers Classification; assumed to be same as above)																				
		29.0			0-0-56																												
	4275		SC	0	56	44	0.25	5.0			30.7	90.0	Gray, Clayey SAND (SC) (Loose)																				
		31.0																															
	X		(SC)		Gray Clayey Sand (SC)								(No Drillers Classification; assumed to be same as above)																				
		34.5																															
	4276		(SC)	(Same as 61-4275)				28	Soft		27.5		Gray, Clayey SAND (SC), (Loose)																				3/35.0-36.0
		36.0																															
	X		(SC)										(No Drillers Classification; assumed to be same as above)																				
		39.0			0-1-55																												
	4277		SC	0	56	44		6.0			26.5		Gray to Tan, Clayey SAND (SC), (Loose)																				
		41.0																															
	X		(CH)										"Same as below"																				
		42.5						Gray Clay (CH)																									
	4278		CH	0	24	76	3.00	58/22.5			23.9	98.8	Rust to Light Gray, Sandy CLAY (CH), v/stiff																				
		45.0						21 V/Stiff																									
	4279		(CH)				3.75				17.9	103.1	Rust to Light Gray, Sandy CLAY (CH), v/stiff, w/ calcareous nodules																				
		47.5																															
			Bottomed @ a depth of 47.5' below water surface in Rust to Light Gray, Sandy CLAY (CH), v/stiff																														
			Boring @ Sta. 91+000, 100' N.E. ℄																														
											41.8																						

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

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

DLR 907