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	~~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
35T-58	61-	0.0 =	Water Surface (Elev + 2.0' MLT)																														
	–		Water										Water																				
		13.0																															
	4424		CH	0	6	94		78.9	23.0		50.8		Gray, CLAY (CH), (v/soft) w/trace of shell																				
		18.0			0-1-70																												
	4425		SM	0	71	29			0.0		24.4		Gray, Silty SAND (SM), (Medium Dense), w/trace of shell																				
		20.0																															
	4426		(SM)	(Same as 61-4425)							26.8		Gray, Silty SAND (SM), Dense, w/trace of shell																			14/20.5-21.5
		21.5			0-0-67																												
	4427		SM	0	67	33	1.50		0.0		20.2	109.4	Gray, Silty SAND (SM) (Dense), w/trace of shell																				
		23.5																															
	X		(SM)										"Same as above"																				
		27.5			1-2-52																												
	4428		(SC)	0	55	45			5.0		43.3		Gray, Clayey SAND (SC), Loose, w/shell																				0/27.5-29.0
		29.0																															
	X		(SC)										(No Driller's Classification; assumed to be same as above																				
		32.0																															
	4429		CL	0	28	72	0.50	30.2	8.0		32.6	90.2	Gray, Sandy CLAY (CL), Soft																				
		34.0																															
	X		(CL)										"Same as above"																				
		40.0																															
	4430		(CL)	(Same as 61-4429)							34.7		Gray, Sandy CLAY (CL), (Soft)																				
		42.0																															
	X		(CL)										"Same as above"																				
		46.0			0-1-66																												
	4431		SM	0	67	33	0.50		3.0		23.8	101.5	Gray, Clayey Silty SAND (SM), (Medium Dense), w/shell fragments																				
		47.5																															
			Bottomed @ a depth of 47.5' below water surface in Gray, Clayey Silty SAND (SM), w/shell fragments.																														
			Boring @ Sta. 84+000, 100' SW ℄																														

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

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

DLR 907