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 %	#200	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_{III} T/SQ FT	σ_{II} 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-55	61-	0.0=	Water	Surface (Elev. +2.6' MWT.)									Water																				
		8.0	Water																														
	4319		CL	0	36	64		45.0	11.0		80.3		Dark Gray, Sandy CLAY (CL), v/soft, organic																				0/8.0-12.0
		12.0																															
	4320		(CL)	(Same as 61-4319)							95.1		Dark Gray, Sandy CLAY (CL), v/soft, organic																				0/12.0-14.0
		14.0																															
	4321		(CL)	(Same as 61-4322)			0.25				58.2	66.5	Gray, Sandy CLAY (CL), v/soft																				0/14.0-16.0
		16.0																															
	4322		CL	0	33	67	0.25	40.9	12.0		64.4	63.5	Gray, Sandy CLAY (CL), v/soft w/trace of shell																				0/16.0-18.0
		18.0																															
	4323		(CL)	(Same as 61-4322)			-				73.5		Gray, Sandy CLAY (CL), v/soft, w/trace of shell																				0/18.0-22.0
		22.0																															
	4324		CL	0	40	60	0.25	40.2	12.0		49.7	73.3	Gray to Brown, Sandy CLAY (CL), v/soft																				0/22.0-25.0
		26.0																															
	4325		CL	0	44	56	0.25	36.7	11.0		45.5	79.0	Gray, Sandy CLAY (CL), v/soft																				0/26.0-28.0
		28.0																															
	X		(CL)										(No Drillers Classification, assumed to be same as above)																				
		30.0		0-0-80																													
	4326		SM	0	80	20	0.25		0.0		22.9	104.0	Gray, Silty SAND (SM), Medium Dense																				
		32.0																															
	4327		(SM)	(Same as 61-4326)							26.7		Gray, Silty SAND (SM), Medium Dense																				9/32.5-33.5
		33.5		2-1-69																													
	4328		SM	2	72	26	0.25		0.0		20.8	103.6	Gray, Silty SAND (SM), Medium Dense																				
		36.0																															
	4329		(SM)	(Same as 61-4328)							22.0		Gray, Silty SAND (SM), Medium Dense																				10/36.5-37.5
		37.5																															
	4330		CL	0	16	84	2.00	43.6	18.5		22.4	106.0	Rust to Brown, CLAY (CL), Stiff																				
		39.5																															
	X		(CL)										"Same as above"																				
		43.0																															
	4331		CH	0	3	97	4.50	53.9	22.0		24.5	106.0	Light Gray to Rust, CLAY (CH), Hard																				
		45.0																															
	X		(CH)										(No Drillers Classification, assumed to be same as above)																				
		46.0																															
	4332		CH	(Same as 61-4331)			3.50				29.5	96.7	Light Gray to Rust, CLAY (CH), Hard																				
		48.0																															

Bottomed @ a depth of 48.0' below water surface in Light Gray to Rust CLAY (CH), Hard.
Boring @ Sta. 874+00, 100' N.E. ℄

x Values at Pressure T/SQ FT

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

DLR 907