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 %	D50	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_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-45	61-	0.0	Water surface (Elevation +2.0' MLT)																														
			Water										Water																				
		7.0		10-38																													
	4207		GP-GM	48	43	9			—		32.1		Gray, Silty Sandy SHELL (GP-GM)																				
		10.0																															
	X		(GP-GM)										"Same as above w/ trace of clay"																				
		11.5																															
	4208		(GP-GM)	(Same as 61-4207)			0.25				25.3	99.8	Gray, Silty Sandy SHELL (GP-GM)																				
		12.0		19-42-14																													
	4209		SM	13	72	15			—		28.6		Gray, Shelly Silty SAND (SM)																				
		14.5																															
	4210		CL	1	34	65	0.25	40.0	12.0		47.3	71.8	Gray, Sandy CLAY (CL), v/soft, w/ trace of shell																				
		26.5																															
	X		(CL)										"Same as above"																				
		29.5																															
	4211		(CL)	(Same as 61-4210)							59.3		Gray, Sandy CLAY (CL), (v/soft), w/ trace of shell																				
		30.5																															
	4212		(CL)	(Same as 61-4210) (No Tests)									Gray, Sandy CLAY (CL), (v/soft), w/ trace of shell																				3/30.0-31.0
		31.0																															
	X		(CH)										"Same as below"																				
		34.0																															
	4213		CH	0	8	92	0.25	57.4	18.0		51.5	67.5	Bluish Gray, CLAY (CH), v/soft																				
		36.0																															
	X		(CH)										"Same as above"																				
		39.0																															
	4214		(CH)	(Same as 61-4213)			0.25				47.3	71.8	Bluish Gray, CLAY (CH), v/soft																				
		41.0																															
	X		(CH)										"Same as below"																				
		44.0																															
	4215		CH	0	5	95	1.50	78.8	21.0		36.4	81.2	Gray, CLAY (CH), stiff																				
		46.0																															
	X		(CH)										"Same as above" stiff to v/stiff																				
		48.0																															
	4216		CH	2	6	92	2.50	77.2	20.0		34.1	86.7	Gray, CLAY (CH), v/stiff, w/ trace of calcareous nodules																				
		50.0																															
			Bottomed @ a depth of 50.0' below water surface in Gray, CLAY (CH), v/stiff, w/ trace of calcareous nodules																														
			Boring @ Sta. 97+000, 38 N.E. ℄																														

NOTE: Sample ID on Boring Log Test Results are the "D" number

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TEST DATA SUMMARY

FEATURE Log of Soil Borings

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		11.5																															
	4208		(GP-GM)	(Same as 61-4207)			0.25				25.3	99.8	Gray, Silty Sandy SHELL (GP-GM)																				
		12.0		19-42-11																													
	4209		SM	13	72	15			—		28.6		Gray, Shelly Silty SAND (SM)																				
		14.5																															
	4210		CL	1	34	65	0.25	40.0	12.0		47.3	71.8	Gray, Sandy CLAY (CL), v/soft, w/trace of shell																				
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NOTE: Standard Drive Penetration Test Results are shown in the "Remarks" column thus:
No. of Blows / Test Depth ; Tests performed with 1 3/8" O.D. Std. split spoon sampler, 30" drop of 140 lbs. hammer; Where 0 is shown for "No. of Blows", spoon penetrated under weight of drill stem.

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

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

*- Pocket Penetrometer Reading **- Bar. L.S. X - No Recovery - Drillers Classification

DLR 907