MATAGORDA SHIP CHANNEL
BEACON # 19 to
MATAGORDA PENINSULA

TEST DATA SUMMARY

FEATURE LOG OF SOIL BORING

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	~~%~~	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_{3F} 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
35-98	61-	0.0	Water	Surface (Elev + 2.6' MLT)																													
			Water								41																						
		13.0		4-6-46																													
	4760		SC	1	56	43	0.00		6.0		41.0	80.8																					Gray, Clayey Sand (SC), ~~Loose~~ V/Soft
		15.0		5-9-73																													
	4761		SM	1	82	17			0.0		29.0																						Gray, silty sand (SM), w/shell fragments
		17.0																															
	X		SM								30																						No Drillers Classification, Assumed same as above
		19.0																															
	4762		SM	Same as 61-4761							28.8																						Tan, silty sand (SM)
		21.0																															
	X		SM																														No Drillers Classification, Assumed same as above
		25.0																															
	4763		SM	Same as 61-4761							33.0																						Tan, silty sand (SM)
		27.0																															
	X		SM																														No Drillers Classification, Assumed same as above
		30.0																															
	4764		CL	0	2	98	1.75	40.4	15.0		28.2	98.4																					Tan, Clay (CL), Stiff, w/thin sand lense
		32.0																															
	X		CL								30																						No Drillers Classification, Assumed same as above
		35.0																															
	4765		CL	Same as 61-4764			2.10				30.0	97.2																					Tan, Clay (CL), V/Stiff w/Calcareous nodules
		37.0																															
	X		CL																														No Drillers Classification, Assumed same as above
		40.0																															
	4766		CL	3	19	78		37.1	15.0		31.4																						Tan, sandy Clay (CL) Stiff to V/Stiff
		42.0																															
	X		CL																														No Drillers Classification, Assumed same as above
		45.0																															
	4767		CL	0	3	97	1.25	44.0	15.5		33.2	95.0																					Gray, Clay (CL), Stiff, w/shell fragments
		47.0																															

Bottomed @ a depth of 47.0' below water surface in Boring @ Sta. 14+000, 100' Sur R

* Values at Pressure T/SQ FT

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