MATAGORDA SHIP CHANNEL
BEACON #19 TO
MATAGORDA PENINSULA

TEST DATA SUMMARY

FEATURE LOGS OF SOIL BORING

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_m 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
3ST-99	61-	0.0 =	Water Surface (Elev. +2.2' MLT)																														
		Water																															
		17.0		2-2-5				Gray Silty Sand (SM)																									
	4768		SM	0	60	40		41	10		39.6																Loose						Gray, silty sand (SM) ~~v/soft~~
		20.0						Loose																									
	4769		SM	Same as 61-4768							41.9																						Gray silty sand (SM), ~~v/soft~~
		22.0																															
	X		SM								(41)																						No Drillers Classification, Assumed same as above
		23.0																															
	4770		~~SM~~ ML	0	~~39~~	61					25.4																						Tan, sandy silt, ~~(SM)~~ (ML)
		25.0						Tan Sandy Silt (ML)																									
	X		~~SM~~ ML		(25)						(25)																						No Drillers Classification, Assumed same as above
		26.0																															
	4771		CL	0	3	97	1.25	45.9	17.0		31.2	94.4																					Light Gray to Tan, Clay (CL), stiff
		28.0																															
	X		~~SM~~ CL					Tan Clay (CL)																									No Drillers Classification, Assumed same as above
		30.0						28, stiff																									
	4772		CL	Same as 61-4771				1.40			29.6	97.0																					Light Gray to Tan, Clay (CL), stiff
		32.0																															
	X		CL								(28)																						No Drillers Classification assumed same as above
		35.0																															
	4773		CL	0	15	85	1.30	38.1	15.0		27.9	103.4																					Tan, sandy clay (CL), stiff, w/ shell fragments
		37.0																															
	X		CL																														No Drillers Classification, Assumed same as above
		40.0																															
	4774		CL	0	27	73	1.20	25.3	5.0		24.8	103.1																					Gray, to Tan sandy clay (CL), stiff
		42.0																															
	X		CL																														No Drillers Classification, Assumed same as above
		46.0																															
	4775		SM	0	0-0-58 58	42	1.00		0.0		24.7	106.8															Dense						Olive, silty sand (SM), ~~stiff~~
		48.0						Olive Silty Sand			(25)	25 Dense																					
			Bottomed @ a depth of 48.0' below water surface in olive, silty sand (SM), stiff																														
			Boring @ Sta. 43+000, 100' NE ℄																														

* Values at Pressure T/SQ FT

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