MATAGORDA SHIP CHANNEL
BEACON #19 to
MATAGORDA PENINSULA

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	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	I_{SD} *	REMARKS
BST-100	61-	0.0	Water Surface (Elev + 1.7 MLT)																														
			Water																														
		12.5		2-1-74																													
	4776		SM	0	77	23	0.75			0.0	28.5	96.0	Gray, silty sand (SM), ~~medium~~ Dense																				
	X	15.0	SM	Gray Silty Sand (SM)							(26)		No Drillers classification, assumed same as above																				
		18.0		0-1-83																													
	4777		SM	0	83	17				0.0	25.0		Light Gray, silty sand (SM)																				
		20.0		Lo Dense to V/Dense																													
	X		SM										No Drillers classification, Assumed same as above																				
		24.5																															
	4778		SM	Same as 61-4777							26.4		Tan, silty sand (SM), v/Dense to Dense																			59/25.0-26.0	
		26.0																															
	X		SM										No Drillers classification, assumed same as above																				
		28.5																															
	4779		CL	Same as 61-4780							27.9		Tan, clay (CL)																			10/29.0-30.0	
		30.0																															
	4780		CL	0	3	97	2.25	48.8	18.0		33.5	97.9	Tan, clay (CL), v/stiff																				
		32.0		Tan Clay (CL)																													
	X		CL								(25)		No Drillers classification, assumed same as above																				
		35.0		LS V/Stiff																													
	4781		CL	0	3	97	2.50	39.5	13.5		15.4	109.7	Tan, clay (CL), v/stiff, w/thin sand Lense																				
		37.0																															
	X		CL										No Drillers classification, assumed same as above																				
		40.0		~~4-10-48~~																													
	4782		SM	1	62	37	2.00			0.5	17.2	114.2	Tan, silty sand (SM) v/stiff, w/very fine shell fragments																				
	X	42.0	SM	Tan Silty Sand (SM)							(10)		No Drillers classification, assumed same as above																				
		45.0		0-1-68 Dense to V/Dense																													
	4783		SM	0	70	30	0.75			0.0	23.6	105.3	Tan, silty sand (SM), medium V/Dense to Dense																				
		47.0																															
			Bottomed @ a depth of 47.0' below water surface in Tan, silty sand (SM), medium																														
			Boring @ Sta. 42+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