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 %	~~Bo~~	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_{so}*	REMARKS
BST-101	61-	0.0 =	Water Surface (Elev + 2.6' MLT)																														
			Water								(19)																						
		14.0																															
	4784		CL	0	46	54		35.3	7.5		49.4		Gray, sandy clay (CL), soft																				
		16.0			0-0-68																												
	4785		SM	0	68	32	1.80		0.0		22.3	105.0	Tan, silty sand (SM), stiff																				
		18.0																															
	–		SM										No Drillers classification, assumed same as above																				
		20.0																															
	4786		SM	same as 61-4785			3.60				19.2	110.8	Tan, silty sand (SM) stiff																				
		22.0																															
	–		SM								(21)		No Drillers classification, assumed same as above																				
		23.0		0-0-51																													
	4787		SM	0	51	49	3.20		2.5		21.9	109.7	Light Gray to Tan, silty sand (SM), v/stiff																				
		25.0																															
	–		SM										No Drillers classification, assumed same as above																				
		29.0																															
	4788		CL	same as 61-4789			2.40				28.1	98.2	Tan, clay (CL) v/stiff																				
		31.0																															
	–		CL								(26)		No Drillers classification, assumed same as above																				
		35.0																															
	4789		CL	0	5	95	1.80	34.2	11.0		25.3	105.9	Tan, clay (CL), stiff to v/stiff																				
		37.0																															
	–		CL										No Drillers classification, assumed same as above																				
		40.0			2-11-45																												
	4790		SM	1	58	41	1.20		2.0		19.9	114.0	Tan, silty sand (SM), ~~[illegible]~~, w/fine shell																				
		42.0																															
	–		SM								(24)		No Drillers classification, assumed same as above																				
		46.0																															
	4791		SM	same as 61-4790							27.7		Tan, silty sand (SM), Dense																				18/46.5'-47.5
		47.5																															
			Bottomed @ a depth of 47.5 below water surface in Tan silty sand (SM), Dense																														
			Boring @ Sta 41+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