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 %	B/G	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_1 %	W_F %	S_1 %	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-106	61-	0.0 =	Water	Surface Elev. + 2.4' MLT																													
			Water																			Loose											
		12.5																															
	4825		SM	0	1-1-51 53	47	0.0		7.0		41.9	78.9	Gray, silty sand (SM), v/soft																				
		16.0																															
	X		SM								(31)		No Drillers classification, Assumed same as above																				
		18.0																															
	4826		SM	0	0-1-67 67	33			2.0		33.3		Tan, silty sand (SM)																				
		20.0																															
	4827		SM								26.5		Tan, silty sand (SM), v/Dense																				25/20.5'-21.5'
		21.5																															
	X		SM										No Drillers classification, Assumed same as above																				
		24.0																															
	4828		SM	0	1-1-76 78	22			0.0		24.5		Tan, silty sand (SM), v/dense																				99/24.5'-25.5'
		25.5																															
	X		SM								(23)		No Drillers classification, Assumed same as above																				
		28.5																															
	4829		SM	1	0-23-49 72	27			0.0		18.9		Brown, silty clay (SM), v/dense																				100/28.5'-29.0'
		30.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		34.5																															
	4830		CL	Same as 61-4831							39.1		Brown, clay (CL)																				4/35.0'-36.0'
		36.0																															
	X		CL										No Drillers classification, Assumed same as above																				
		40.0																															
	4831		CL	0	1	99	0.50	42.1	17.0		38.8	86.7	Brown, clay (CL), medium																				
		42.0																															
	X		CL								(38)		No Drillers classification, Assumed same as above																				
		45.5																															
	4832		CL	0	5	95	0.75	35.1	11.0		35.2	92.5	Brown, clay (CL), medium																				
		47.5																															

Bottomed @ a depth of 47.5' below water surface in Brown clay (CL), medium
Boring @ Sta. 36+000, 100' SW ℄

* Values at Pressure T/SQ FT

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