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 %	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_{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	t_{50} %	REMARKS
35T-94	61-	0.0 =	Water Surface (Elev + 15' MLT)																														
	—		Water																														
		12.0																															
	4728		ML	0	24	76	0.0	42.1	11.0		59.9	64.9	Gray, sandy silt (ML) v/soft																				
		15.0																															
	X		ML								(60)		No Drillers Classification, assumed same as above																				
		18.0		2-1-59																													
	4729		SM	0	53	47			1.0		35.6		Gray, silty sand (SM)																				
		20.0																															
	X		SM								(30)		No Drillers Classification, Assumed same as above																				
		23.0																															
	4730		SM	0	30	70	0.25		0.0		25.0	100.5	Tan, sand silt (SM), soft, w/calcareous nodules																				
		25.0																															
	X		SM										No Drillers Classification, Assumed same as above																				
		26.0																															
	4731		CL	1	5	94	0.25	47.9	18.0		24.9	103.7	Light Gray to Tan, Clay (CL), v/stiff, w/calcareous nodules																				
		28.0																															
	X		CL								(25)		No Drillers Classification, Assumed same as above																				
		31.0																															
	4732		SM	Same as 61-4731			0.75				21.8	108.6	Tan, silty sand (SM), medium Dense																				
		33.0																															
	X		SM										No Drillers Classification, Assumed same as above																				
		36.0	—	0-1-59																													
	4733		SM	0	60	40			0.0		23.3		Tan, silty sand (SM), w/one piece of hard sandstone																				
		38.0	—																														
	X										(21)																						
		40.0																															
	4734		SM										Tan, silty sand (SM)																				
		41.0																															
	4734B	42.0	SM	0	34	66	1.00		0.0		18.0	116.6	Tan, sandy silt (ML), medium																				
			SM										No Drillers Classification, Assumed same as above																				
		45.0																															
	4735		CL	0	2	98	0.75	46.9	17.0		37.6	87.5	Gray Clay (CL), medium																				
		47.0									(38)																						
			Bottomed @ a depth of 47.0' below water surface in Gray, Clay (CL), medium																														
			Boring @ Sta. 48+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