MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

FEATURE Log of Soil Boring

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{10} *	ATTERBERG LIMITS: LL	PL *	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
BST 117-A	62	0.0												Water																			
		11.0																															
	3993		SC	0	59	41	0.0		7.0		40.9	82.5		Gray		Clayey Sand (SC) v/Soft																	
		14.0																															
	3994		Same as #3993				0.0				32.1	91.9		Gray		Clayey Sand (SC) v/Soft																	
		16.0																															
	3995		Same as #3993				0.25				31.9	91.6		Gray		Clayey Sand (SC) v/Soft																	
		18.0																															
														D.C. Same as Below																			
		20.0																															
	3996		Same as #3997								25.8			Gray		Silty Sand (SM) Dense																	16/20.5'-21.5'
		22.0																															
														D.C.: Same as Above																			
		25.0																															
	3997		SM	0	83	17			0.0		26.3			Gray		Silty Sand (SM) v/Dense																	89/25.5'-26.5'
		27.0																															
														D.C.: Same as Above																			
		30.0																															
	3998		SM	0	64	36			0.0		29.0			Gray		Silty Sand (SM) Refusal																	30.5-31.5 (To Refusal
		32.0																															
														D.C.: Same as Above																			
		35.0																															
														D.C.: Same as Above																			
		37.0																															
	3999		ML	0	23	77	0.25		1.0		26.5	100.9		Tan		Sandy Silt (ML)																	
		40.0																															
	4000		CL	0	10	90	1.00	36.9	13.0		33.8	93.5		Brown		Clay (CL) Medium																	
		42.0																															
	4001		Same as #4000				1.00				28.2	97.3		Brown		Clay (CL) Medium																	
		44.0																															
	4002		CL	0	17	83	1.00	25.6	7.5		24.7	102.9		Brown		Sandy Clay (CL) Med Stiff																	
		46.0																															
			Bottomed in Above				Tide at 1.4' at 2:P.M.																										
			Location of Boring: Sta. 24+500																														

* Values at Pressure T/SQ FT

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

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 %	D_{50}	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	e_c	t_{50}*	REMARKS
SST-117	61	00.0	= Water surface (Elev. 1.7' MLT)																														
	⌣																			Water													
		11.5			1-1-98						(36)																						
	4940		SC	0	60	40			6.0		35.8									Gray, clayey sand (SC)													
		13.5																															
	⌣		SM																	No Drillers Classification Assumed to be Same As Above													
		16.0									(28)																						
	4941		SM	0	62	38	0.0		1.0		28.1	94.9								Gray, silty sand (SM), w/shell fragments													
		18.0																															
	⌣		SM-SP																	No Drillers Classification Assumed to be Same as Above													
		19.5																															
	49~~42~~		SM-SP								(27)									No Drillers Classification Assumed to be Same as Above													
		20.0																															
	4942		SM-SP	Same as 61-4943					—		27.8									Tan, silty sand (SM-SP)												34/20.0-21.0	
		21.0																															
	⌣		SM-SP																	No Drillers Classification Assumed to be Same as Above													
		25.0			0-0-90																												
	4943		SM-SP	0	90	10					26.1									Tan, silty sand (SM-SP), w/Dense												85/25.0-26.5	
		26.5																															
	⌣		SM-SP		0-0-59															No Drillers Classification Assumed to be Same as Above													
		30.0																															
	4944		SM	0	59	41			0.0		25.7									Tan, silty sand (SM), w/Dense												85/30.0-31.5	
		31.5																															
	⌣		SM								(29)									No Drillers Classification Assumed to be Same as Above													
		34.0																															
	4945		SM	Same as 61-4944							33.7									Tan, silty sand (SM), w/Dense												144/34.0-35.5	
		35.5																															
	⌣		SM																	No Drillers Classification Assumed to be Same as Above													
		40.0																															
	4946		CL	0	20	80		28.4	8.0		~~(33)~~									Brown, sandy clay (CL), medium ~~dense~~ w/shell												10/40.0-41.5	
		41.5																															
	⌣		CL								(33)									No Drillers Classification Assumed to be Same As Above													
		45.0																															
	4947		CL	0	4	96	0.075	41.7	15.0		35.0	85.8								Brown, Clay (CL), medium ~~dense~~													
		47.0																															

Bottomed @ 47.0' Below Surface of Water IN BROWN, CLAY (CL)

Location of Boring: Sta. 25+000 Tide 1.7' @ 1:50 P.M.

* Values at Pressure T/SQ FT ⌣ = No Recovery

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