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_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 114-A	62	0.0												Water																			
		11.5																															
	4021		SC	0	62	38	0.25		4.0		33.8	89.2		Gray	Clayey Sand (SC) v/Soft																		
		14.0																															
	4022		SM	0	75	25	0.50		0.0		26.4	101.6		Gray	Silty Sand (SM)																		
		16.5																															
														Washed																			
		20.0																															
	4023		Same as #4022								36.8			Gray	Silty Sand (SM) v/Dense																		42/20.5'-21.5'
		22.0																															
														Washed																			
		25.0																															
	4024		SM	0	59	41			0.0		28.7			Brown	Silty Sand (SM)																		
		27.0																															
														Washed																			
		30.0																															
	4025		Same as #4024								24.2			Brown	Silty Sand (SM)																		
		32.0																															
														Washed																			
		35.0																															
	4026		Same as #4024								24.1			Brown	Silty Sand SM) v/Dense																		49/35.5'-36.5'
		37.0																															
														Washed																			
		40.0																															
	4027		ML	0	7	93			0.0		26.0	99.1		Brown	Silt (ML)																		
		42.0																															
	4028		CL	0	2	98	1.0	38.5	15.0		31.0	92.8		Red	Clay (CL) Medium																		
		44.5																															
	4029		CL	0	16	84		W.Test	3.0		26.3	101.5			Sandy Clay (CL)																		
		47.0																															

Bottomed in Above Tide at 1.5' at 5:40 AM

Location of Boring: Sta 27+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 Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{50}	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
35T-114	61	00.0	= Water Surface (Elev +1.8' MLT)																														
	∽															Water																	
		12.0		1-1-61							(35)																						
	4915		SC	0	63	37	0.3		5.0		34.6	87.1				Gray, Clayey sand (SC)																	
		14.0																															
	∽		SC													No Drillers Classification Assumed to be Same as Above																	
		20.0																															
	4916		SM	0	83	17			0.0		28.3					Gray, Silty sand (SM), Dense																	12/21.0-21.5
		21.5																															
	∽		SM													No Drillers Classification Assumed to be Same as Above																	
		24.0																															
	4917		SM	Same as 61-4917							24.8					Gray, Silty sand (SM), v/Dense																	112/24.0-25.5
		25.5																															
	∽		SM													No Drillers Classification Assumed to be Same As Above																	
		28.5																															
	4918		SM	0	81	19			0.0		30.7					Dark Gray, Silty sand (SM), Dense																	111/28.5-30.5
		30.0																															
	∽		SM								(27)					No Drillers Classification Assumed to be Same As Above																	
		32.5																															
	4919		SM	0	75	25			0.0		25.7					Tan, Silty sand (SM), v/Dense																	156/32.5-35
		34.0																															
	∽		SM													No Drillers Classification Assumed to be Same as Above																	
		38.0																															
	4920		SM	Same as 61-4917							25.6					Tan, Silty sand (SM), v/Dense																	89/38.0-39
		39.5																															
	∽		SM													No Drillers Classification Assumed to be Same as Above																	
		41.0																															
	4921		CL	0	3	97		39.9	15.0		35.2					Brown, Clay (CL), ~~medium dense~~ soft																	7/41.0-41
		42.5																															
	∽		CL								(28)					No Drillers Classification Assumed to be Same as Above																	
		45.0																															
	4922		CL	0	19	81	0.2	23.7	4.0		22.0	106.3				Brown, sandy Clay (CL), v/soft																	
		47.0																															
			Bottomed @ 47.0' Below Surface of Water in Brown sandy Clay (CL)																														
			Location of Boring: Sta 28+000 Tide 1.8' @ 1:50 PM																														

* Values at Pressure T/SQ FT

∽ = No Recovery

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