MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

Sheet 21 of ____

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	REMARKS
3ST 116-A	62	0.0												Water	
		11.0													
	4003		SC	0	57	43	0.0		6.0		40.3	83.8		Gray Clayey Sand (SC) v/Soft	
		14.0													
	4004		Same as #4003				0.0				30.4	93.5		Gray Clayey Sand (SC) v/Soft	
		16.0													
	4005		SM	0	84	16	0.0		0.0		25.5	103.3		Rust Silty Sand (SM)	
		18.0													
														D.C.: Gray Sand Med.	
		20.0													
	4006		Same as #4005								28.1			Gray Silty Sand (SM) Medium	14/20.5'-21.5'
		22.0													
														D.C.: Same as Above	
		25.0													
	4007		Same as #4005								24.8			Gray Silty Sand (SM) v/Dense	85/25.5'-26.5'
		27.0													
														D.C.: Same as Above	
		30.0													
	4008		Same as #4005								25.4			Gray Silty Sand (SM) Refusal	Refusal/30.0-32.0
		32.0													
														D.C.: Same as Above	
		35.0													
	4009		CL	0	3	97	0.25	48.1	17.0		40.8	81.7		Brown Clay (CL) v/Soft	
		37.0													
														D.C.: Brown Sand w/Clay	
		40.0													
														D.C.: Brown Sand-Silty	
		42.0													
	4010		Same as #4011				0.25				28.0	98.5		Brown Clay (CL) v/Soft	
		44.0													
	4011		CL	0	5	95	0.75	39.5	15.0		34.2	93.4		Brown Clay (CL) Soft	
		46.0													

Bottomed in Above Tide at 1.4' at 2:00 P.M.

Location of Boring: Sta 25+500

BORING NO.	SAMPLE NO.	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} *
3ST 116-A	4003																		
	4004																		
	4005																		
	4006																		
	4007																		
	4008																		
	4009																		
	4010																		
	4011																		

* Values at Pressure T/SQ FT

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

ENG FORM 1 DEC 52 2086

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	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-116	61	00.0	= Water Surface (Elev)											Water																			
		12.0		1-3-65																													
	4931		SC	0	69	31	0.0		3.0		41.3 (36)	80.1		Gray, clayey sand (SC), v/soft																			
		14.0																															
	4932		SC same as 61-4931				0.0				31.9	89.5		Gray, clayey sand (SC), v/soft																			
		17.0																															
	↳		SM											No Drillers Classification Assumed Same as ~~Above~~ Below																			
		18.0		8-8-86																													
	4933		SM	0	86	14			0.0		25.2			Brown, silty sand (SM), v/dense																		16/18.0-19.5
		19.5																															
	↳		SM											No Drillers Classification Assumed to be Same as Above																			
		20.0																															
	↳		SM											No Drillers Classification Assumed to be Same as Above																			
		20.5																															
	4934		SM	0	88	12			0.0		22.8			Brown, silty sand (SM), v/dense																		61/20.5-22.0
		22.0																															
	↳		SM											No Drillers Classification Assumed to be Same As Above																			
		25.0																															
	4935		SM	0	87	13			0.0		27.3			Gray & Tan, silty sand (SM), v/dense, w/shell fragments																			62/25.0-26.5
		26.5																															
	↳		SM								(26)			No Drillers Classification Assumed to be Same as Above																			
		30.0																															
	4936		SM	Same as 61-4935							25.7			Gray & Tan, silty sand (SM), v/dense																			84/30.0-31.5
		31.5																															
	↳		SM											No Drillers Classification Assumed to be Same as Above																			
		35.0																															
	4937		SM	0	79	21					25.3			Gray, silty sand (SM), v/dense, w/shell fragments																			102/35.0-36.5
		36.5																															
	↳		SM											No Drillers Classification Assumed to be Same as Above																			
		40.0																															
	4938		SM	Same as 61-4937							33.1			Brown, silty sand (SM), v/dense																			
		41.5																															
	↳		SM											No Drillers Classification Assumed to be Same as Above																			
		46.0																															
	4939		CL	0	3	97	1.0	37.9	15.0		28.9 (29)	93.9		Brown, clay (CL), stiff																			
		48.0																															

Bottomed @ 48.0' Below Surface of Water in Brown, clay (CL), stiff

Location of Boring: Sta. 26+000

* Values at Pressure T/SQ FT

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