MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

FEATURE Log of Soil Boring

Sheet 32 of ____

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
65T	62	0.0																															
127-A	↳													Water																			
		11.5																															
	3807		CL	0	45	55	0.0	32.3	7.0		41.9	79.5		Gray Sandy Clay (CL) v/Soft																			
		14.0																															
	3808		Same as #3807				0.0				43.7	79.3		Gray Sandy Clay (CL) v/Soft																			
		16.0																															
	↳													D.C.: Gray Sand v/Clayey																			
		20.0																															
	3809		SM	0	77	23	0.75		0.0		23.7	101.0		Gray Silty Sand (SM) v/Dense																			80/20.5'-21.5'
		22.0																															
	↳													D.C.: Gray Sand To 24.00'																			
		24.0																															
	3810		SC	0	75	25	3.25		3.0		39.9	86.8		Blueish Gray Clayey (Sand (SC) v/Stiff																			
		26.0																															
	3811		SM	0	85	15	2.00		0.0		21.1	107.7		Blueish Gray Silty Sand (SM)																			
		28.0																															
	3812		Same as #3813				0.50				21.5	105.0		Greenish Gray Silty Sand (SM+SP)																			
		30.0																															
	3813		SM-SP	0	93	7	0.30		0.0		22.6	101.5		Greenish Gray Silty Sand (SM-SP)																			
		32.0																															
	↳													D.C.: Same as Below																			
		35.0																															
	3814		Same as #3815								20.5			Gray Shelly Silty Sand (SM) v/Dense																			95/35.5-36.5
		37.0																															
	↳													D.C.: Same as Above																			
		40.0			12-8-49																												
	3815		SM	17	69	14					18.9			Gray Shelly Silty Sand (SM)																			
		42.0																															
	3816		SM	5	69	26	1.00				21.0	108.0		Brown Shelly Silty Sand (SM)																			
		44.0																															
	3817		CL	0	0	100	0.0	42.8	15.0		37.5	83.5		Brown Clay (CL) v/Soft																			
		46.0																															
	3818		Same as 3817				0.0				37.9	81.7		Brown Clay (CL) v/Soft																			
		48.0																															
			Bottomed in Above Tide 1.6' @ 6.30 AM																														
			Location of Boring Sta. 14+500																														

* Values at Pressure T/SQ FT

* POCKET PENETROMETER ** BAR. L.S

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

ENG FORM 1 DEC 81 2086

MATAGORDA SHIP CHANNEL
BEACON #19 TO MATAGORDA
PENINSULA

TEST DATA SUMMARY

Sheet 62

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D	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	INITIAL B	D	SHEAR DATA: DENSITY LBS/CU FT	W_i %	W_f %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_{TX} T/SQ FT	σ_{TY} 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 127	61	0.0																																	
		12.0			0-3-50																														
	5024		SC	0	53	47			7.0		42 (41)																								Gray, clayey sand (SC)
		15.0																																	
			SC																																Driller's classification, same as above
		18.0			0-0-72																														
	5025		SM	0	72	28	0.5		0.0		25.6	106.9																							Gray, silty sand (SM), ~~medium dense~~
		20.0																																	Dense
			SM																																Driller's classification, same as above
		23.0																																	
	5026		SM	0	87	13	0.5		0.0		19.2	109.9																							yellow, silty sand (SM), ~~medium dense~~
		25.0																																	
			SM																																Driller's classification, same as above
		28.5																																	
	5027		SM	2	82	16			0.0		26.0																								Gray, silty sand (SM) Dense to v/dense
		30.0																																	17/29.5-30.0
			SM								(28)																								Driller's classification, same as above
		33.5																																	
	5028		SM	same as 61-5027							23.3																								Gray, silty sand (SM)
		35.0																																	35/34.0-35.0
			SM																																NO Driller's classification, assumed same as above
		38.5																																	
	5029		CL	4	16	80		38.0	15.0		35.1																								Brown, clay (CL) v/soft
		40.0																																	3/39.0-40.0
			CL								(36)																								NO Driller's classification, assumed same as above
		43.0																																	
	5030		CL	0	1	99	0.0	44.1	15.5		41.7	80.9																							Brown, clay (CL) v/soft
		45.0																																	
	5031		CL	0	1	99	0.2	32.0	10.0		32.8	90.5																							Brown, clay (CL) v/soft
		47.0																																	

Bottomed at 47.0' below water surface in Brown, clay (CL)

Boring Location: Sta 15+000