MATAGORDA SHIP CHANNEL
POWERHORN LAKE TO INDIAN POINT

TEST DATA SUMMARY

Sheet ___ 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	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
3ST	62	0.0																															
134A													Water																				
		12.5																															
	3832		SM	0	71	29	0.25		2.0		27.7	96.7	Dark Gray, silty sand (SM)																				
		16.0																						26									
									D.C,		Sand,		Washed																				
		19.0																															
	3833		SM	1	82	17			0.0		25.3		Gray, silty sand (SM), v/Dense, w/shell fragments																				53/19.5-20.5
		21.0																															
									D.C		Same		as above																				
		24.0																															
	3834		SM	4	79	17					26.0		Gray, silty sand (SM), loose														Tube penetrated 1.0' under 3 blow						
		26.0																															
									D.C		Same		as above											27			(Loose Dense)						
		29.0																															
	3835		SM	0	67	33			0.0		27.4		Gray, silty sand (SM), Dense																				68/29.5-30.5
		31.0																															
											Washed																						
		34.0																															
	3836		CL	0	30	70	42.5	33.0	12.0		15.8	116.2	Gray, sandy clay (CL), Hard																				
		36.5																															
	3837		SM	2	75	23			2.5		17.5	115.8	Brown, silty sand (SM)																				
		39.5																															
	3838		Same as 3836				2.5				31.2	102.1	Gray to Rust, sandy clay (CL)																				
		42.0																															
	3839		SM-SP	2	92	6			0.0		25.1		Rust, silty sand (SM-SP)																				
		44.5																															
													Washed																				
		45.0																															
	3840		Same as 3839								20.7		Rust, silty sand (SM-SP), v/Dense																				73/45.5-46.0
		47.0																															
																													Refusal				46.0-46.5
				Bottomed in above									Tide 1.40 @ 6:35 AM																				
				Location of Boring Sta. 74500																													

* 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 71 2086

MATAGORDA SHIP CHANNEL
BEACON #19 TO MATAGORDA
B... N 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_{10}	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	I_{50}*	REMARKS
BST 134	61	0.0	= water surface (Elev. +1.5 MLT)																														
		12.5																															
	5368		CL	0	46	54	0.0	30	8.0		37.5	83.6	Gray, sandy clay (CL) v/soft																				
		14.0																															
	5369		CL				0.0				32.1	90.4	Gray, sandy clay (CL), v/soft																				
		16.0																															
	X		CL								(35)		No Drillers classification, Assumed same as above																				
		18.0			9-12-60																												
	5370		SM	5	80	15	0.0		0.0		91	108.9	Gray, silty sand (SM), ~~v/soft~~																				
		20.0																															
	5371		SM	same as 61-5370							27.3		Gray, silty sand (SM)																				
		22.0																															
	X		SM								(29)		No Drillers classification, Assumed same as above																				
		25.0																															
	5372		SM	0	73	27			0.0		36.9		Gray, silty sand (SM)																				
		27.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		30.0		0-10	7-6-63																												
	5373		SM	10	76	14	0.0		0.0		22.0	104.4	Gray, shelly silty sand (SM)																				
		32.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		35.0																															
	5374		SC	0	60	40	3.0		7.0		17.6	116.0	Yellow to Gray, Clayey sand (SC), v/stiff																				
		37.0																															
	X		SC								(17)		No Recovery, Assumed same as above																				
		40.0					3.5																										
	5375		SC	Same as 61-5374							17.1	114.8	Yellow to Gray, Clayey sand (SC), v/stiff																				
		42.0																															
	X		SC										No Drillers classification, Assumed same as above																				
		45.0																															
	5376		SM	3	85	12	1.0		0.0		17.6	111.0	Yellow to Gray, silty sand (SM), ~~stiff~~ v/dense																				
		47.0									(18)																						
			Bottom at 47.0' below water surface in yellow to Gray, silty sand (SM)																														
			Boring Location: Sta 8+000																														
			Tide gage 1.5 at 6:05 AM																														

* Values at Pressure T/SQ FT

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