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	REMARKS
35T	62	0.0												Water	
35A	∼														
		12.5													
	3841		SC	0	64	36	0.0		7.0		31.0	94.7		Gray Clayey Sand (SC) v/Soft	
		15.0													
	∼													Driller's classification: Same as Above.	
		16.5													
	3842		Same	as #3843							26.8			Gray Silty Sand (SM-SP) v/Dense	38/17.0'-18.0'
		18.5													
	∼													Driller's classification: ~~Same as Below~~	
		21.0													
	3843		SM-SP	0	89	11			0.0		25.7			Gray Silty Sand (SM-SP) v/Dense	37/21.5'-22.5'
		23.0													
	∼													Driller's classification: Same as Above.	
		27.0									21.9				
	3844		Same	as #3843										Gray Silty Sand (SM-SP) v/Dense	41/27.5'-28.5'
		29.0													
	∼													Driller's Note: Sand Stops @ 34.0' No Sample	
		33.0													
	3845		SM-	6	69	25			0.0		27.3			Gray Shelly Silty Sand (SM)	
		35.0													
	3846		SC	0	62	38	1.25		4.0		19.2	108.6		Gray Clayey Sand (SC) Stiff	
		37.5													
	3847		Same as #3846				0.75				18.2	102.1		Gray Clayey Sand (SC) Medium	
		40.0													
	3848		Same as #3846				1.75				18.1	111.3		Gray Clayey Sand (SC) Stiff	
		42.0													
	3849		CL	2	37	61	3.00	35A	12.0		20.6	112.5		Gray Sandy Clay (CL) v/Stiff	
		44.0													
	3850		Same as #3851				1.00				17.2	111.9		Gray Sandy Clay (CL) ~~Medium~~ Stiff	
		46.0													
	3851		CL	0	45	55	2.75	29.8	11.0		17.7	115.0		Gray Sandy Clay (CL) v/Stiff	
		48.0													

Bottomed in above Tide 1.4@ 6:35 A.M.

Location of Boring: Sta. 6+500

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} *

* Values at Pressure T/SQ FT

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

* POCKET PENETROMETER ** BAR L.S

ENG FORM 2088 1 DEC 51

MATAGORDA SHIP CHANNEL
BEACON #19 TO MATAGORDA
PENINSULA

TEST DATA SUMMARY

Sheet 8 of

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{50} MM	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	REMARKS
357-135	61	00.0													
	⤺														Water
		12.0		1-3-50							(37)				
	5377		SC	0	54	46	0.25		5.5		36.8	88.5			Gray, clayey sand (SC)
		14.0		0-0-80											
	5378		SM-SP	0	80	11	0.0		0.0		25.8	98.0			Gray, silty sand (SM-SP)
		16.0													
	⤺		SM-SP								(24)				No Drillers Classification Assumed To Be Same as Above
		18.5		1-7-85											
	5379		SM-SP	0	93	7					22.5				Gray, silty sand (SM-SP), v/dense
		20.0													
	⤺		SM-SP												No Drillers Classification: Assumed To Be Same as Above
		22.0		9-24-67											
	5380		SP	2	94	4					23.9				Gray, sand (SP), v/dense
		23.5													20/22.5-23.5
	⤺		SP								(24)				No Drillers Classification: Assumed To Be Same as Above
		25.0		12-7-63											
	5381		SM-SP	6	83	11					23.4				Gray, silty sand (SM-SP)
		27.0													
	⤺		SM-SP								(23)				No Drillers Classification: Assumed To Be Same as Above
		30.0													
	5382		SM	0	80	20	0.0		0.0		24.1	101.7			Gray, silty sand (SM) ~~v/stiff~~
		32.0													
	⤺		SM								(24)				No Drillers Classification: Assumed To Be Same as Above
		35.0		10-8-9											
	5383		CH	19	27	53	2.5	64	40		19.0	111.8			Gray To Yellow, shelly sandy clay (CH), v/stiff
		37.0													
	⤺		CH								(19)				No Drillers Classification: Assumed To Be Same as Above
		40.0													
	5384		~~CH~~ SC	0	60	40	2.5		8.0		17.5	111.0			Yellow To Gray, clayey sand (SC), v/stiff
		42.0													
	⤺										(16)				Drillers Classification: Gray To Rust Shell & Sand Med.
		45.0		4-6-51											
	5385		SM-SP	33	61	6					15.9				Yellow, shelly silty sand (SM-SP)
		47.0													
			Bottomed @ 47.0' Below Surface of Water in												yellow, shelly silty sand (SM-SP)
			Location of Boring: Sta 7+000												

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	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}*
357-135	61	00.0																		
	⤺																			
		12.0																		
	5377																			
		14.0																		
	5378																			
		16.0																		
	⤺																			
		18.5																		
	5379																			
		20.0																		
	⤺																			
		22.0																		
	5380																			
		23.5																		
	⤺																			
		25.0																		
	5381																			
		27.0																		
	⤺																			
		30.0																		
	5382																			
		32.0																		
	⤺																			
		35.0																		
	5383																			
		37.0																		
	⤺																			
		40.0																		
	5384																			
		42.0																		
	⤺																			
		45.0																		
	5385																			
		47.0																		

* Values at Pressure T/SQ FT

⤺ = No Recovery

T - Triaxial Compression
UC - Unconfined Compression

DS - Direct Shear
UU - Unconsolidated Undrained

CD - Consolidated Drained
CU - Consolidated Undrained