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_{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-	120A	0.0											WATER																				
		11.5																															
	3965		SC	0	61	39			4.0		32.9	90.2		Gray	Clayey Sand (SC)																		
		14.0																															
	3966		SM	0	62	38			0.0		28.1	98.1		Gray	Silty Sand (SM)																		
		17.0																															
	~												Washed																				
		20.0																															
	3967		Same as # 3968								29.2			Tan	Silty Sand (SM)																		30/20.5-21.5
		22.0																															
	~												Washed																				
		25.0																															
	3968		SM	0	55	45			0.0		21.2	108.2		Tan	Silty Sand (SM)																		
		27.0																															
	~												Washed																				
		32.0																															
	3969		Same as # 3968								23.3		Tan	Silty Sand (SM)																			Refusal 32.5-33.0
		34.0																															
	~												Washed																				
		35.0																															
	3970		Same as # 3968								22.1	106.6		Tan	Silty Sand (SM)																		
		37.0																															
	~												Washed																				
		40.0																															
	~												Driller's classification: Same as Above.																				
		42.0																															
	3971					0.25					30.6	92.1		Brown Sandy Silt (SM) & Clay (CL) Interfingered Very Soft																			
		44.5																															
	3972					0.75					30.9	93.8		Brown Sandy Silt (SM) & Clay (CL) Interfingered Medium																			
		47.0																															

Bottomed at 47.0 in above
Water at 11.5'
Pt Lavca. Sta. 217500 Tide 1.4 at 6:45 PM

* 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

Matagorda Ship Channel
Beacon #19 To
Matagorda Peninsula

TEST DATA SUMMARY

Sheet 55 of ____

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_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
BST-120	61	00.0	Water Surface (Elev. 7 MLT)																														
	⤻													Water																			
		12.0		2-1-53																													
	4965		SM	0	56	44	0.0		5.0		40.5	80.7			Tan To Gray, silty sand (SM), ~~v/soft~~																		
		14.0		1-2-61																													
	4966		SM	1	64	35	0.5		1.0		28.9	94.3			Gray, silty sand (SM), ~~soft~~ Loose																		
		16.0		2-1-72																													
	4967		SM	0	75	25	0.2		0.0		27.6	94.0			Gray, silty sand (SM), ~~v/soft~~																		
		18.0									(32)																						
	⤻		SM												No Drillers Classification Assumed to be Same as Above																		
		20.0		0-0-89																													
	4968		SM-SP	0	89	11			0.0		25.0				Tan, silty sand (SM-SP), v/dense																		28/20.0-21.5
		21.5																															
	⤻		SM-SP								(26)				No Drillers Classification Assumed to be Same as Above																		
		25.0																															
	4969		SM-SP	Same as 61-4968							27.8				Tan, silty sand (SM-SP), v/dense																		29/25.0-26.5
		26.5																															
	⤻		SM-SP												No Drillers Classification Assumed to be Same as Above																		
		30.0		0-0-98																													
	4970		SM	2	78	20			0.0		26.3				Tan, silty sand (SM), v/dense																		100/30.0-31.5
		31.5																															
			SM								(24)				No Drillers Classification Assumed to be Same as Above																		
		35.0																															
	4971		SM	Same as 61-4972							19.8				Tan, silty sand (SM), v/dense																		100/35.0-36.5
		36.5																															
	⤻		SM												No Drillers Classification Assumed to be Same as Above																		
		40.0		0-0-79																													
	4972		SM	0	79	21			0.0		24.7				Tan, silty sand (SM), v/dense																		47/40.0-41.5
		41.5																															
			CL												Drillers Classification: Tan Clay																		
	⤻										(36)																						
		46.0																															
	4973		CL	0	6	94	0.5	39.7	14.0		35.7	86.7			Tan, clay (CL), medium ~~dense~~																		
		48.0																															
			Bottomed @48.0' Below Surface of Water in Tan clay (CL)																														
			Location of Boring: Sta 22+000																														

* Values at Pressure T/SQ FT

⤻ = No Recovery

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

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