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_{90}*	REMARKS
3ST-112-A	62	0.0												Water																			
		11.5																															
	4040		SC	0	63	37	0.0		3.0		37.5	88.1		Gray Sandy Clay (SC) v/Soft																			
		14.0																															
	4041		Same as #4040				0.0				32.5	94.0		Gray Sandy Clay (SC) v/Soft																			
		16.0																															
	4042		Same as #4040								33.0			Gray Sandy Clay (SC)																			
		18.0																															
														D.C. Same as Below																			
		20.0																															
	4043		SM-SP	0	90	10			0.0		30.4			Brown Silty Sand (SM-SP) v/Dense																			42/20.5-21.5
		22.0																															
														D.C. Same as Above																			
		25.0																															
	4044		Same as #4043								33.9			Brown Silty Sand (SM-SP) v/Dense																			37/25.5-26.5
		27.0																															
														D.C. Same as Above																			
		30.0																															
	4045		Same as #4043								25.5			Brown Silty Sand (SM-SP) v/Dense																			48/30.5-31.5
		32.0																															
														D.C. Same as Above																			
		35.0																															
	4046		Same as #4043								29.0			Brown Silty Sand (SM-SP) v/Dense																			50/35.5-36.5
		37.0																															
														D.C. Same as Above																			
		39.5																															
														D.C. Same as Below																			
		40.0																															
	4047		CL	0	6	94	0.25	36.5	11.0		31.5	97.3		Brown Clay (CL) v/Soft																			
		42.0																															
	4048		Same as #4047				0.25				31.5	98.9		Brown Clay (CL) v/Soft																			
		44.5																															
	4049		Same as #4047				0.50				33.8	94.5		Brown Clay (CL) Soft																			
		47.0																															
			Bottomed in Above											Tide @ 1.4' @ 3:00 P.M.																			
			Location of Boring: Sta: 29+500																														

* Values at Pressure T/SQ FT

- 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 47 of ____

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D50	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
BST-112	61	00.0	= water surface (El 6)												
	~													Water	
		12.0									(33)				
	4900		SC	0	67	33	0.0		4.0		32.7	88.5		Gray, clayey sand (SC) v/loose	
		14.0													
	4901		SM	0	70	30	0.1		2.0		26.5	100.1		Gray, silty sand (SM), ~~v/loose~~	
	~	18.0													
			SM								(31)			No Drillers Classification Assumed to be Same as Above	
		20.0													
	4902		SM	0	79	21			0.0		35.7			Gray & Tan silty sand (SM)	
		22.0													
	~		SM											No Drillers Classification Assumed to be Same as Above	
		23.5													
	4903		SM	Same as 61-4902							27.5			Gray & Tan, silty sand (SM), v/dense	36/23.5-25.0
	~	25.0													
			SM											No Drillers Classification Assumed to be Same as Above	
		30.0									(26)				
	4904		SM	0	79	21			0.0		25.4			Tan, silty sand (SM), v/dense	30/30.0-31.5
		31.5													
	~		SM											No Drillers Classification Assumed to be Same as Above	
		35.0													
	4905		SM	Same as 61-4904							25.2			Tan, silty sand, sand (SM), v/dense	30/35.0-36.0
		36.0													
	~		SM											No Drillers Classification Assumed to be Same as Above	
		40.0													
	4906		CL	Same as 61-4907							31.5			Brown, clay (CL), medium ~~stiff~~	6/40.0-41.5
		41.5													
	~		CL								(30)			No Drillers Classification Assumed to be Same as Above	
		46.0													
	4907		CL	0	3	97	0.5		9.0		30.0	92.2		Brown, clay (CL), medium ~~stiff~~	
		48.0													

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_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} *
BST-112	61																		
	4900																		
	4901																		
	4902																		
	4903																		
	4904																		
	4905																		
	4906																		
	4907																		

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

Location of Boring @ Sta. 30+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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