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_{TA} 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
3ST	124A	0.0												Water																			
		11.5																															
	3871		SC	0	52	48	0.0		8.0		38.5	78.9		Gray Clayey Sand (SC) v/Soft																			
		14.0																															
	3872		SM	0	81	19	0.25		0.0		23.6	96.6		Gray Silty Sand (SM)																			
		16.5																															
	3873		Same As 3872				1.00				18.7	100.8		Tan Silty Sand (SM)																			
		19.0																															
	~													Washed, sand																			
		22.0																															
	3874		Same As 3872				—				21.0			Tan Silty Sand (SM) v/Dense																			32/20.5-21.5
		24.0																															
	~													Washed																			
		27.0																															
	3875		Same As 3872				1.00				21.7	100.6		Tan Silty Sand (SM)																			
		29.0																															
	~													Washed																			
		32.0																															
	3876		Same As 3872				—				28.0			Tan Silty Sand (SM)																			
		34.5																															
	~						—							Washed																			
		37.5																															
	3877		CL	0	3	97	0.50	44.0	16.0		34.6	83.7		Brown Clay (CL) Soft																			
		40.0																															
	3878		Same As 3877				0.75				35.6	83.5		Brown Clay (CL) Medium																			
		42.5																															
	3879		Same As 3877				0.50				32.1	89.6		Brown Clay (CL) Soft																			
		45.0																															
	3880		Same As 3877				0.75				36.9	81.5		Brown Clay (CL) Medium																			
		47.0																															
			Bottomed in above at 47.0																														
			Water 11.5 feet deep																														
			Pt. Lavaca Sta - 17+500 Tide 1.4' at 6:35 AM																														

* Values at Pressure T/SQ FT

*Pocket Penetrometer **Bar 4.5.

- 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

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	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
DST-124	61	00.0	= Water Surface (Elev. +2.0 MLT)																														
	↺														Water																		
		12.0	0-1-51																														
	4998		SC	0	52	48			7.0		40.6				Gray, clayey sand (SC), w/shell fragments																		
		14.0									(41)																						
	↺		SC												No Drillers Classification Assumed Same as Above																		
		17.5	2-1-81																														
	4999		SM	0	84	16			0.0		25.0				Gray, silty sand (SM), ~~medium dense~~ loose, w/shell fragments																		3/17.5-19.0
		19.0									(27)																						
	↺		SM												No Drillers Classification Assumed Same as Above																		
		22.0																															
	5000		SM	0	85	15			0.0		29.8				Tan, silty sand (SM), medium dense, w/shell fragments																		6/22.0-23.5
		23.5																															
	↺		SM												No Drillers Classification Assumed Same as Above																		
		27.5																															
	5001		SM	Same as 61-5000							26.0				Tan, silty sand (SM), w/dense																		66/27.5-28.0
		29.0									(29)																						
	↺		SM												No Drillers Classification Assumed to be Same as Above																		
		33.5																															
	5002		SM	1	63	36			0.0		23.2				Tan, silty sand (SM) w/dense																		98/33.5-35.0
		35.0																															
	↺		SM												No Drillers Classification Assumed to be Same as Above																		
		38.0																															
	5003		CL	0	8	92	0.75	33.3	13.0		32.4	91.6			Brown, clay (CL), medium ~~dense~~, w/sand pockets & trace of shell																		
		40.0									(32)																						
	↺		CL												No Drillers Classification Assumed to be Same as Above																		
		45.0																															
	5004		CH	0	0	100	0.75	57.6	19.5		45 (46)	76.4			Brown, clay (CH), medium ~~dense~~																		
		47.0																															
			Bottomed @ 47.0' Below Surface of Water in Brown, clay (CH)																														
			Location of Boring: Sta 18+000 Tide 2.0' @ 1:35 P.M.																														

* Values at Pressure T/SQ FT

↺ = No Recovery

- Triaxial Compression
UC - Unconfined Compression
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UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

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