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
6ST-76-A	62	44.0																															
	3622		CL				4.25			23.8	101.6		DC	Gray,	Clay (CL), w/calcareous nodules, Hard																		
		46.0																															
	3623		CL				4.50			18.3	116.9			Gray	Clay (CL), calcareous nodules, Hard																		
		48.0																															
6ST-77-A	62	45.0																															
	3624		CL				0.25			29.6	93.1			Gray,	Sandy Clay (CL), Soft																		
		47.5																															
3ST-78-A	62	45.0																															
	3625		CL				0.0			40.0	80.9			Gray	Clay (CL), v/soft																		
		47.5																															
3ST-79-A	62	44.0																															
	3626		CL				0.0			68.5	85.4			Gray,	Clay (CL) v/soft																		
		46.0																															
	3627		CL				0.0			52.9	69.5			Gray	Clay (CL), v/soft																		
		48.0																															
3ST-80-A	62	45.0																															
	3628		CL				0.0			59.1	65.6			Gray	Clay (CL) v/soft																		
		47.5																															
3ST-81-A	62	45.0																															
	3629		CL				0.0			45.5	75.7			Gray,	Clay (CL), v/soft																		
		47.5																															
3ST-82-A	62	44.0					0.0			28.3	94.7																						
	3630		CL											Gray,	Sandy Clay (CL), v/soft																		
		46.0																															
	3631		CL				0.0							Gray,	Sandy Clay (CL), v/soft																		
		48.0																															
3ST-83-A	62	46.0																															
	3632		SM				0.0			26.2				Gray,	Silty Sand (SM), Loose																		
		48.0																															
6ST-85-A	62	44.0																															
	3633		CL				3.50			45.3	84.2			Gray,	Clay (CL), v/soft w/calcareous nodules																		
		46.0																															
	3634		CL				4.25			52.0	79.5			Gray,	Clay (CL), Hard, w/calcareous nodules																		
		48.0																															

* 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

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D₁₀	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	INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_f %	S_i %	SHEAR DATA TYPE TEST	SPECIMEN SIZE - INCHES	TEST	σ_{III} T/SQ FT	σ_{II} T/SQ FT	τ T/SQ FT	Ø DEGREES	PERMEABILITY e	K FT/MIN	CONSOLIDATION DATA P_o T/SQ FT	P_c T/SQ FT	C_c	L_{∞} *	REMARKS
357+ 28	61-	0.0 =	(water)	Surface / Elev + 2.5' MLT																														
		12.0																																
	4589		CH	Same as 61-4587							143.6		Gray, Clay (CH), v/soft																					
		16.0																																
	4590		CH	0	2	98		68.3	22.0		151.4		Gray, Clay (CH), v/soft																					
		19.0																																
	X		CH								(147)		No Drillers Classification, Assumed Same as above																					
		22.0																																
	4591		CH	0	12	88	0.10	60.7	21.0		76.3	58.5	Light Brown Clay (CH) v/soft																					
		24.0																																
	X		CH								(99)		No Drillers Classification, Assumed Same as above																					
		30.0																																
	4592		CH	Same as 61-4591							82.8		Gray, Clay (CH)																					
		32.0																																
	X		CH										No Drillers Classification, Assumed Same as above																					
		35.0																																
	4593		CL	Same as 61-4594			0.20				41.5	82.9	Gray, Clay (CL), v/soft																					
		37.0																																
	X		CL								(37)		No Drillers Classification, Assumed Same as above																					
		40.0																																
	4594		CL	0	19	81	0.25	31.7	8.0		34.9	91.4	Gray Clay (CL) v/soft																					
		42.0																																
	X		CL										No Drillers Classification, Assumed Same as above																					
		45.0																																
	4595		CL	Same as 61-4594			0.20				34.8	91.5	Gray, Clay (CL), v/soft																					
		47.5																																
			Bottomed @ a depth of 47.5' below water surface in Boring @ Sta. 641000, 100' SW ℄																															

* Values at Pressure T/SQ FT

TX – Triaxial Compression
UC – Unconfined Compression
DS – Direct Shear
UU – Unconsolidated Undrained
CD – Consolidated Drained
CU – Consolidated Undrained