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_{85} *	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_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-75A	62	0.0												Water																			
	63	8.5												No Sample																			
		10.0		7-17	9-24-6																												
	3553		SC	24.	39	37	0.0	No Test	18.0		44.3	77.5		Gray, Shelly clayey sand (SC), v/soft																			
		12.0		29-24	13-10-2																												
	3554		GC	53	25	22		No Test	19.0		36.6			Gray Clayey sandy shell (GC)																			
		15.0																															
	3555		Same as #3554.								51.1			Gray Clayey sandy shell (GC)																			
		17.5																															
	3556		Same as #3554.				0.0				48.8	75.1		Gray, Clayey sandy shell (GC), v/soft																			
		20.0		6-5																													
	3557		CH	11	1	88		54.7	20.0		58.4			Gray Shelly clay (CH)																			
		22.0																															
	3558		Same as #3559.				0.0				62.8	64.5		Gray clay (CH), v/soft																			
		24.0																															
	3559		CH	0	14	86	0.0	57.0	21.0		65.7	62.5		Gray, clay (CH) v/soft																			
		26.0																															
	3560		SC	0	50	50	0.0	25.6	5.0		28.7	97.0		Gray, clayey sand (SC) v/soft, w/ shell fragments																			
		28.0																															
	3561		SM	0	58	42	0.0		2.0		26.5	98.9		Gray silty sand (SM), v/soft																			
		30.0																															
	3562		SM	0	55	45	0.0		2.0		27.9			Gray silty sand (SM) shell fragments, v/soft																			
		32.0																															
	3563		Same as #3562				0.0				25.3	103.2		Gray, silty sand (SM), v/soft																			
		34.0																															
	3564		SM	0	64	36	0.0		0.0		22.6	102.4		Brown silty sand (SM), v/soft																			
		36.0																															
	63													Drillers Classification Same as Below																			
		38.0		7-15-42	9-5-10																												
	3565		GM	64	24	12					13.7			Gray, silty sandy shell (GM)																			
		40.0																															
	3566		Same as #3559								35.4			Gray, Clay (CH)																			
		42.0																															
	3567		Same as #3559				0.25				41.7	81.6		Gray, Clay (CH), soft																			
		44.0																															
	3568		Same as #3559				0.25				42.5	81.0		Gray, Clay (CH), soft																			
		46.0																															
	3569		Same as #3559				0.25				36.6	85.5		Gray, Clay (CH), soft																			
		48.0																															

Bottomed @ 48.0' in Above. Tide @ 1.9' @ 5:30 A.M.
Location of Boring: Sta 46+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

FEATURE LOG OF SOIL BORING

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	CLAY %	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_{FO} T/SQ FT	σ_f T/SQ FT	C T/SQ FT	ϕ DEGREES	PERMEABILITY: e	K FT/MIN	CONSOLIDATION DATA: P_o T/SQ FT	P_c T/SQ FT	C_c	P_{po} *	REMARKS
357-25	61-	0.0	Water Surface (Elev. +2.4' MLT)																															
			Water																															
		8.0			8-33-23																													
	4556		SC	6	64	30				13.0	40.8																							Gray, clayey sand (SC) w/shell
		10.0																																
	X		SC								(41)																							No Drillers classification, Assumed same as above
		14.0			8-40-4																													
	4557		Shell	48	43	9					23.3																							Gray, silty sandy shell
		16.0																																
	X										(19)																							No Drillers classification, Assumed same as above
		20.0																																
	4558		Shell same as 61-4557								15.6																							Gray, silty sandy shell
		22.0																																
	X																																	No Drillers classification, Assumed same as above
		25.0			0-1-50																													
	4559		SM	0	51	49	0.20			2.5	28.3	95.1																						Gray, silty sand (SM) v/soft
		27.0																																
	X		SM								(21)																							No Drillers classification, Assumed same as above
		30.0			1-0-78																													
	4560		SM	0	79	21	0.20			0.0	25.5	105.7																						Gray, silty sand (SM) v/soft
		32.0																																
	X		SM																															No Drillers classification, Assumed same as above
		35.0			0-0-64																													
	4561		SC	0	64	36	0.30			6.0	23.9	106.7																						Brown, clayey sand (SC), soft
		37.0																																
	X		SC								(24)																							No Drillers classification, Assumed same as above
		38.0																																
	4562		CH	same as 61-4563			2.20				22.7	113.2																						Buff to light Gray, clay (CH), v/stiff, w/some small sand pockets
		40.0																																
	X		CH								(24)																							No Drillers classification, Assumed same as above
		43.0																																
	4563		CH	0	9	91	3.10	56.0	23.0		24.2	104.1																						Buff to light Gray, clay (CH), v/stiff
		45.0																																
	4564		CL	0	12	88	4.50	49.5	20.0		22.6	108.4																						Tan to light Gray, clay (CL), Hard
		47.5									(23)																							
			Bottomed @ a depth of 47.5' below water surface in Boring @ Sta. 67+000, 100' NE ℄																															