MATAGORDA SHIP CHANNEL
LIGHT #51 TO Beacon #19

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	%	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
35T-61	61-	0.0=	Water	Surface (Elev. +2.8' MLT)																													
			Water																														
		9.0																															
	4353		OL	0	25	75		45.6	12.0		90.9																						
		11.0																															
	X		(OL)																														
		14.0																															
	4354		ML	0	37	63		35.3	6.0		58.4																						
		16.0																															
	X		(ML)																														
		19.0																															
	4355		(ML)	(Same as 61-4354)			0.25				74.1	55.4																					
		21.0																															
	X		(ML)																														
		24.0																															
	4356		CH	0	15	85	0.25	54.0	18.0		67.6	58.7																					
		26.0																															
	X		(CH)																														
		29.0																															
	4357		(CH)	(Same as 61-4356)			0.25				69.3	57.4																					
		31.0																															
	X		(CH)																														
		34.0																															
	4358		CH	0	3	97	0.25	71.9	22.0		66.1	58.0																					
		36.0																															
	X		(CH)																														
		39.0																															
	4359		(CH)	(Same as 61-4358)			0.25				69.2	58.7																					
		41.0																															
	X		(CH)																														
		43.0																															
	4360		CH	0	2	98	0.25	78.1	24.0		72.5	55.4																					
		45.0																															
	4361		CH	0	1	99	0.25	76.8	24.5		67.1	59.1																					
		47.0																															

Water Surface (Elev. +2.8' MLT)

Water

4353 (9.0–11.0): Dark Gray, Sandy CLAY (OL), (v/soft) w/shell, Ignition Loss = 6.0%, sli. organic

X (11.0–14.0): "Same as above"

4354 (14.0–16.0): Dark Gray, Sandy SILT (ML), (v/soft) w/shell

X (16.0–19.0): (No Drillers Classification, assumed to be same as above)

4355 (19.0–21.0): Dark Gray, Sandy SILT (ML) (v/soft) w/shell

X (21.0–24.0): (No Drillers Classification; assumed to be same as above)

4356 (24.0–26.0): Gray to Brown, CLAY (CH), v/soft

X (26.0–29.0): (No Drillers Classification; assumed to be same as above)

4357 (29.0–31.0): Gray to Brown, CLAY (CH), v/soft

X (31.0–34.0): (No Drillers Classification; assumed to be same as above)

4358 (34.0–36.0): Brown, CLAY (CH), v/soft

X (36.0–39.0): (No Drillers Classification; assumed to be same as above)

4359 (39.0–41.0): Brown CLAY (CH), v/soft

X (41.0–43.0): (No Drillers Classification; assumed to be same as above)

4360 (43.0–45.0): Gray, CLAY (CH), v/soft

4361 (45.0–47.0): Gray, CLAY (CH), v/soft

Bottomed @ a depth of 47.0' below water surface in Gray CLAY (CH), v/soft.
Boring @ Sta. 81+000, 100' N.E. ℄

* Values at Pressure T/SQ FT

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

DLR 907