HOLE NO. 3ST-141

DEPARTMENT OF THE ARMY DIVISION Southwestern INSTALLATION Galv Dist. Eng Div **DRILLING LOG**	1. PROJECT Matagorda Ship Channel — SHEET OF 2. LOCATION (Coordinates or Station) 3. DRILLING AGENCY U. S. Army Corps of Engineers
4. HOLE NO. (As shown on drawing title and file No.) 3ST-141	5. NAME OF DRILLER Eck
6. DIRECTION OF HOLE: ☐ VERTICAL ☐ INCLINED — DEGREES WITH VERTICAL	7. THICKNESS OF OVER-BURDEN — 8. DEPTH DRILLED INTO ROCK — 9. TOTAL DEPTH OF HOLE 47.0
10. SIZE AND TYPE OF BIT	11. DATUM FOR ELEVATION SHOWN (TBM or MSL) — 12. MANUFACTURER'S DESIGNATION OF DRILL
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: DISTURBED — UNDISTURBED	14. TOTAL NO. CORE BOXES — 15. ELEV. GROUND WATER — 16. DATE HOLE: STARTED 30 Nov — COMPLETED 30 Nov 1961
17. ELEV. TOP OF HOLE	18. TOTAL CORE RECOVERY FOR BORING (%) — 19. SIGNATURE OF INSPECTOR

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	12.0		Water				
12.0	14.0		Gray sandy clay w/shell frag soft			Cont. 1	0.25
14.0	16.0		Washed				
16.0	18.0		Gray clayey sand w/shell frag med			Cont. 2	0.75
18.0	20.0		Washed				
20.0	22.0		Gray sand w/shell fragments			Jar 1	
22.0	25.0		Washed				
25.0	27.0		Gray sand w/clay pockets and shell fragments			Jar 2	
27.0	30.0		Washed				
30.0	32.0		Gray sand w/shell fragments			Jar 3	
32.0	35.0		Washed				
35.0	37.0		Same as above			Jar 4	
37.0	40.0		Washed				
40.0	42.0		Tan clay w/silt seams med			Cont. 3	0.75
42.0	45.0		Washed				
45.0	47.0		Tan clay w/silt seams stiff			Cont. 4	1.00
			Bottomed in above				

MATAGORDA SHIP CHANNEL & JETTIES
ALINGMENT "A"

TEST DATA SUMMARY

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	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
35T 141	61	0.0											Water																				
		12.0		0-2-62																													
	5680		SM	0	64	36	.75		0.0		31.3	90.2	Gray, silty sand (SM), soft																				
		14.0																															
	X		SM										No Drillers classification, assumed same as above																				
		16.0		0-1-73																													
	5681		SM	0	74	26	.75				24.7	100.8	Gray, silty sand (SM), medium																				
		18.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		20.0		0-0-82																													
	5682		SM	0	82	18			0.0		32.5		Gray, silty sand (SM)																				
		22.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		25.0		1-1-72																													
	5683		SM	2	74	24			0.0		31.1		Gray, silty sand (SM)																				
		27.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		30.0																															
	5684		SM	Same as 61-5683							30.8		Gray, silty sand (SM)																				
		32.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		35.0																															
	5685		SM	Same as 61-5683							29.3		Gray, silty sand (SM)																				
		37.0																															
	X		SM										No Drillers classification, Assumed same as above																				
		40.0																															
	5686		CL	0	11	89	1.0	46.5	16.0		35.9	87.3	Brown Clay (CL), stiff																				
		42.0																															
	X		CL										No Drillers classification, Assumed same as above																				
		45.0																															
	5687		CL	0	13	87	1.0	26.3	7.0		28.2	97.3	Brown Clay (CL), stiff																				
		47.0																															

Bottomed at 47.0' below water surface in Brown Clay (CL)
Boring Location: Sta
Tide

* Values at Pressure T/SQ FT

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