HOLE NO. 3ST-151

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-151	5. NAME OF DRILLER: Eck

6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE 47.0
☐ VERTICAL	☐ INCLINED	DEGREES WITH VERTICAL			

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		14. TOTAL NO. CORE BOXES	15. ELEV. GROUND WATER	16. DATE HOLE	
DISTURBED	UNDISTURBED			STARTED 2 Dec	COMPLETED 2 Dec 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	31.0		Water				
31.0	33.0		Gray silty sand w/shell frag			Jar 1	
33.0	37.0		Washed				
37.0	39.0		Tan sandy clay w/cal nods stiff			Cont. 1	1.50
39.0	41.0		Washed				
41.0	43.0		Gray sandy clay w/cal nods v/stiff			Cont. 2	2.75
43.0	45.0		Washed				
45.0	47.0		White clayey sand v/stiff			Cont. 3	2.00
			Bottomed in above				

MATAGORDA SHIP CHANNEL & JETTIES
ALINGMENT "A"

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_{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_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 151	61	0.0											water																				
		31.0		0.0	83																												
	5751		SM	0	83	17			0.0		24.4		Tan & Gray, silty sand (SM)																				
		33.0																															
	X		SM										No Drillers classification, assumed same as above																				
		37.0																															
	5752		CL	0	39	61	3.0	37.5	12.0		23.0	105.4	Gray to yellow, sandy clay (CL), stiff, w/calcareous nodules																				
		39.0																															
	X		CL										No Drillers classification, assumed same as above																				
		41.0																															
	5753		SC	0	64	36	1.5		5.0		23.5	104.3	Gray to yellow, clayey sand (SC), stiff																				
		43.0																															
	X		SC										No Drillers classification, assumed same as above																				
		45.0																															
	5754		SM	0	74	26			2.5		20.2	111.3	Gray to yellow, silty sand (SM)																				
		47.0										20																					
			Bottomed at 47.0 below water surface in Gray to yellow, silty sand (SM)																														
			Boring Location Sta.																														

* Values at Pressure T/SQ FT

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

X No Recovery

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