Alignment "A"

HOLE NO. 3ST-140

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) Tide 1.5 @ 6:05 AM	
	3. DRILLING AGENCY U. S. Army Corps of Engineers	
4. HOLE NO. (As shown on drawing title and file No.) 3ST-140	5. NAME OF DRILLER Eck	

6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE
☐ VERTICAL	☐ INCLINED	DEGREES WITH VERTICAL			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		14. TOTAL NO. CORE BOXES	15. ELEV. GROUND WATER	16. DATE HOLE	
DISTURBED	UNDISTURBED			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 0.15
14.0	16.0		Washed			
16.0	18.0		Gray silty sand w/shell frag soft			Cont. 2 0.25
18.0	20.0		Washed			
20.0	22.0		Gray silty sand w/traces of shell and clay pockets			Jar 1
22.0	25.0		Washed			
25.0	27.0		Gray sand w/shell fragments			Jar 2
27.0	30.0		Washed			
30.0	32.0		Gray sand w/tan silt pockets and 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		Gray sand w/tan clay pockets			Jar 5
42.0	45.0		Washed			
45.0	47.0		Gray silty sand w/shell frag stiff			Cont. 3 1.25
			Bottomed in above			

MATAGORDA SHIP CHANNEL & JETTIES
ALINGMENT "A"

TEST DATA SUMMARY

Sheet 1 of ___

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{50}	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 140	61-	0.0									Water																						
		12.0																															
	5672		SM	2	67	31	0.0				32.1	89.5	Gray, silty sand (SM), v/soft																				
		14.0																															
	X		SM								No Drillers classification, assumed same as above																						
		16.0		0-2-96																													
	5673		SM	0	78	22	0.5		0.0		26.0	95.3	Gray, silty sand (SM), soft																				
		18.0																															
	X		SM								No Drillers classification, assumed same as above																						
		20.0																															
	5674		SM	0	84	16			0.0		30.4		Gray, silty sand (SM)																				
		22.0																															
	X		SM								No Drillers classification, assumed same as above																						
		25.0																															
	5675		SM	0	70	30			0.0		23.9		Brown, silty sand (SM)																				
		27.0																															
	X		SM								No Drillers classification, Assumed same as above																						
		30.0																															
	5676		SM	Same as 61-5675							30.5		Brown, silty sand (SM)																				
		32.0																															
	X		SM								No Drillers classification, Assumed same as above																						
		35.0																															
	5677		SM	1	61	38			0.0		30.3		Brown, silty sand (SM)																				
		37.0																															
	X		SM								No Drillers classification, Assumed same as above																						
		40.0																															
	5678		SM	0	66	34			0.0		25.4		Brown, silty sand (SM)																				
		42.0																															
	X		SM								No Drillers classification, Assumed same as above																						
		45.0																															
	5679		CL	0	17	83	0.0		3.5		25.1	99.4	Brown, sandy clay (CL), v/soft																				
		47.0																															

Bottomed at 47.0' below water surface in Brown, sandy clay (CL)

Boring Location Sta

Tide 1.5' at 6:05 AM

Note: Standard "split spoon" drive penetration results are shown in Remarks Column thus: No of Blows/Test Depth. Test performed with 1 3/8" O.D. split spoon sampler; 140 lb hammer dropped 30" equals 1 Blow. Where 0 is shown for no. of blows spoon penetrated material under weight of Drill stem

DLR NO 916

* Values at Pressure T/SQ FT

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

✡ Pocket penetrometer Reading ✡✡ Barely X - No Recovery

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