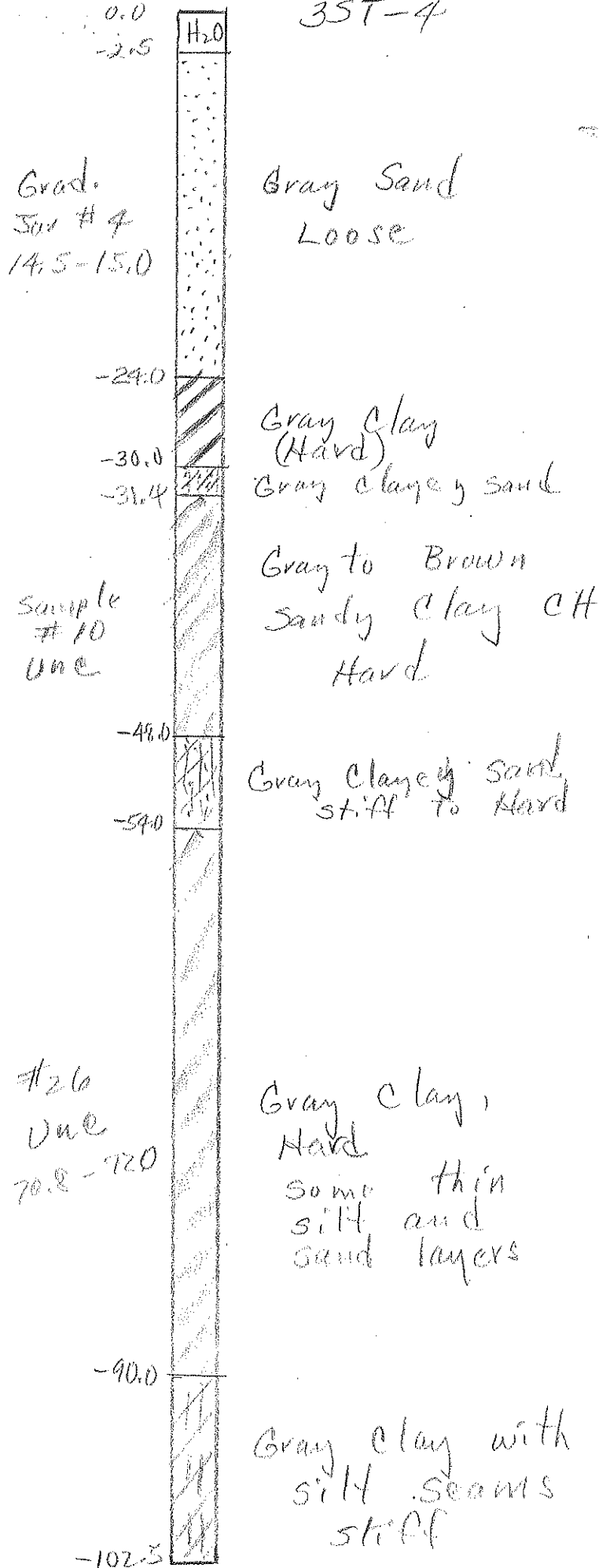


35T-4

Neches River Salt water Barrier



BORING LOG

Boring No. 3ST - 4
 Levee District GALVESTON
 Job No. _____

FIELD DATA

Project NECHES RIVER SALT WATER BARRIER Location NECHES RIVER - BEAUMONT
 Drill Rig ARCO 550 #4 Inspector BLACK Operator SMITH Surface Elev. +0.1 MLT @ 1015
 Natural Ground Elev. _____

LABORATORY DATA

Date _____ Classified by _____

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO								
		0.0	2.5								WATER DEPTH				
1	7 APR.			2.5	5.0	3.8	5.0	3" SHELBY TUBE	Tube	0.0	GRAY ORGANIC SAND, VERY SOFT				
2				5.0	7.5	7.0	7.5		JAR						
3		7.8	7.8	7.5	8.0	9.0	9.5	DRIVE SAMPLER	JAR		GRAY SAND (SP)				
				8.0	8.5						1 BLOW				
				8.5	9.0						2 BLOWS				
				9.0	9.5										
				7.5	14.0			FISHTAIL			WASHED AWAY TO MAKE ROOM FOR DRIVING TOOLS.				
4				14.5	15.0	14.5	15.0	DRIVE SAMPLER	JAR						
				15.0	15.5						3 BLOWS				
				15.5	16.0						8 BLOWS				
				16.0	16.5										
				16.5	19.5			FISHTAIL			WASHED AWAY				
				19.5	20.0	-	-	DRIVE SAMPLER	-		NO RECOVERY				
				20.0	20.5						8 BLOWS				
				20.5	21.0						18 BLOWS				
				21.0	21.5										
			24.0	21.5	24.0			FISHTAIL			WASHED AWAY				
5		24.0		24.0	26.0	24.7	25.9	3" SHELBY TUBE	Tube	4.5+	GRAY SANDY CLAY (CH) HARD				
6				26.0	28.0	26.7	27.9		Tube	4.00	GRAY AND BROWN				
7				28.0	30.0	28.4	29.6		Tube	4.5+					

BORING LOG

Boring No. 3ST - 4
 Levee District GALVESTON
 Job No. _____

FIELD DATA

Project NECHES RIVER SALT WATER BARRIER Location NECHES RIVER - BEAUMONT
 Drill Rig ARCO 550 #4 Inspector BLACK Operator SMITH Surface Elev. _____
 Natural Ground Elev. _____

LABORATORY DATA

Date _____ Classified by _____

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET METER VALUE	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO								
8		30.0	30.0	30.0	32.0	30.7	31.9		TUBE	3.00	GRAY silty SAND				
			31.4												
9		31.4		32.0	34.0	32.8	34.0		TUBE	2.75	GRAY AND BROWN SANDY clay, very				
10			36.0	34.0	36.0	34.8	36.0		TUBE	2.75	stiff (CH).				
11		36.0		36.0	38.0	36.8	38.0		TUBE	3.50	TAN, GRAY SANDY clay (CH) VERY STIFF				
12			40.0	38.0	40.0	38.8	40.0		TUBE	2.00					
13		40.0		40.0	42.0	40.8	42.0		TUBE	3.00	BROWN AND GRAY SANDY clay (CH)				
14				42.0	44.0	42.8	44.0		TUBE	3.50	VERY STIFF				
15				44.0	45.8	44.6	45.8		TUBE	4.00					
16			48.0	45.8	48.0	46.8	48.0		TUBE	2.00					
17		48.0		48.0	50.0	49.1	50.0		TUBE	2.50	BROWN silty SAND VERY STIFF				
				50.0	52.0	-	-				NO RECOVERY				
			54.0	52.0	54.0			FISHTAIL			WASHED AWAY				
18		54.0		54.0	54.5	55.0	56.0	DRIVE SAMPLER	JAR		BROWN clay (CH) VERY STIFF				
				54.5	55.0						6 BLOWS				
				55.0	55.5						8 BLOWS				
				55.5	56.0										
19				56.0	58.0	56.8	58.0	3" SHELBY TUBE	TUBE	4.00	GRAY, BROWN SANDY clay (CH)				
											with shell, HARD				
20	8 APR			58.0	60.0	58.8	60.0		TUBE	2.50	GRAY, BROWN SANDY clay (CH) VERY STIFF				
21				60.0	62.0	60.8	62.0		TUBE	2.50					
22				62.0	64.0	62.8	64.0		TUBE	1.50					

BORING LOG

Boring No. 3st - 4

Levee District _____

Job No. _____

FIELD DATA

Project Neches River Salt Water Barrier Location Neches River - Beaumont
 Drill Rig Arco 550 Inspector Black Operator Smith Surface Elev. +0.1 MLT @ 10/5
No. 4 Natural Ground Elev. _____

LABORATORY DATA

Date _____ Classified by _____

SAMPLE NUMBER	DATE TAKEN	STRATUM		DRIVE		SAMPLE		TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS	CLASSIFICATION	SYMBOL	NAT WC %	
		FROM	TO	FROM	TO	FROM	TO								
23				64.0	66.0	64.8	66.0		TUBE	3.50					
24			68.0	66.0	68.0	66.8	68.0		TUBE	3.75					
25		68.0		68.0	70.0	68.8	70.0		TUBE	3.50	GRAY SANDY CLAY (CH) VERY STIFF				
26				70.0	72.0	70.8	72.0		TUBE	2.25					
27				72.0	74.0	72.8	74.0		TUBE	2.50					
28				74.0	76.0	74.8	76.0		TUBE	3.25					
29				76.0	78.0	76.8	78.0		TUBE	3.25					
30				78.0	80.0	78.8	80.0		TUBE	4.50 +	HARD				
31				80.0	82.0	80.8	82.0		TUBE	4.50 +					
32				82.0	84.0	82.8	84.0		TUBE	4.00					
33				84.0	86.0	84.8	86.0		TUBE	4.00					
34				86.0	88.0	86.8	88.0		TUBE	2.25	VERY STIFF				
35	9 APR			88.0	90.0	88.8	90.0		TUBE	2.25					
36				90.0	92.5	90.0	91.0		TUBE	1.50	GRAY CLAY with silt layers, stiff				
37				92.5	95.0	93.8	95.0		TUBE	1.50	ORGANIC				
38				95.0	97.5	96.2	97.5		TUBE	1.50					
39				97.5	100.0	98.7	100.0		TUBE	1.75					
40			102.5	100.0	102.5	101.3	102.5		TUBE	1.25	with SAND LAYERS				
		TOTAL DEPTH -		102.4		MLT					NO WATER TABLE AT +0.1 MLT				
		DRIVE SAMPLER		2" x 1 3/8" x 24"							WEIGHT OF HAMMER 140 #				
											DROP DISTANCE 30 INCHES				

