

				~	LOCATION: See Plate 2			CLASSIFICATION							SHEAR STRENGTH				
DEPTH, FT	WATER LEVE	SYMBOL	SAMPLES	BLOWS PER FOOT	COORDINATES: 29° 43 47" N 95° 03' 08" W SURFACE EL.: -6.0' (Assumed) STRATUM DESCRIPTION	STRATUM DEPTH, FT	UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	PASSING NO. 200 SIEVE, % WATER CONTENT, %		PLASTIC LIMIT	PLASTICITY INDEX (PI)	□ Penetrometer Unconfined ▼						
			\forall	DUGU	SILTY SAND, gray							_					1		
			A	PUSH		3.5	-	20				-							
- 5 - - 5 - - ·				8	CLAY, soft to firm, dark gray, with organic material and sand pockets	3.3	- - - -					-							
 - 10 -					SILTY SAND, very loose, fine-grained, gray	11.0	- - _ 93	86	24	33	12	21_	•						
- · - · - 15 - - ·			X	2	O.E. T. O. 1115, Tory 10000, mile gramou, gray		- - - -					- - - -							
- 20			X	3	- with clay pockets below 23'		- - - - - -	13				- - - - -							
 - 30 - 			X	WOH	SANDY CLAY, soft, gray, with sand seams and shell fragments	28.5	- - - -		28			- - - -							
- 35 - - 35 -	_				- stiff to very stiff below 33'		- - _111 - -		18	19	17	2 2 -						•	
					CLAY, stiff, red and gray, slickensided	38.0	-												
NOTES: 1. Water depth was 6' at time of drilling. 2. Terms and symbols defined on Plates A-32a and A-32b. 3. Coordinates were obtained by our field technician with a hand held GPS device. 4. WOH - Weight of Hammer 5. PUSH - Split Barrel Sampler was advanced hydraulically. A SANDY CLAY, soft, gray, with sand seams and shell fragments 28. 5 28. 1 28. 1 28. 1 28. 1 28. 1 28. 1 28. 1 29. 1 20. 1 20. 1 20. 1 20. 1 20. 2 20. 1 20. 2																			

NOTES:

- 1. Water depth was 6' at time of drilling.
- 2. Terms and symbols defined on Plates A-32a and A-32b.
- 3. Coordinates were obtained by our field technician with a hand held GPS device.
- 4. WOH Weight of Hammer
- 5. PUSH Split Barrel Sampler was advanced hydraulically.

LOG OF BORING NO. B-18

DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY HARRIS COUNTY, TEXAS





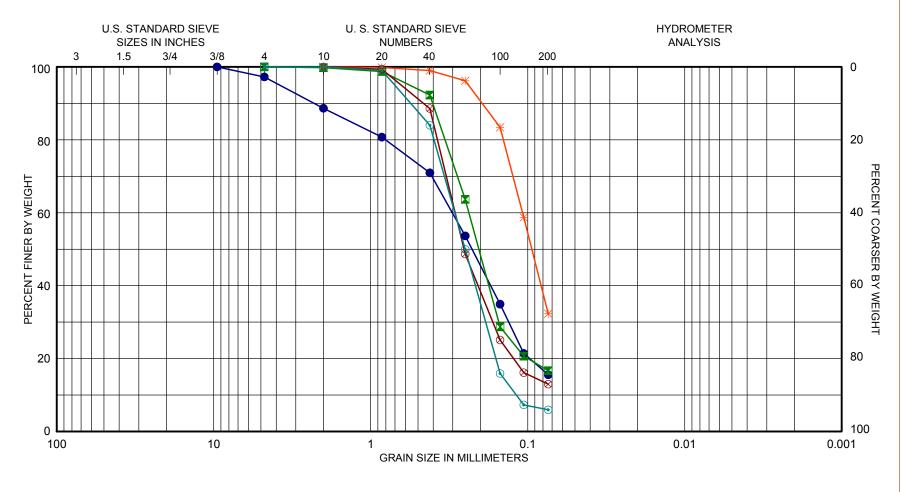
	یا				LOCATION: See Plate 2			CL	ASSIFICATION SHEAR							STRENGTH		
DEPTH, FT	WATER LEVE	SYMBOL SAMPLES	BLOWS PER	500	COORDINATES: 29° 43 47" N 95° 03' 08" W SURFACE EL.: -6.0' (Assumed) STRATUM DESCRIPTION		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX (PI)	□ Penetrometer Uncor ♦ Torvane Tr O Remolded Miniature M.Vane			ture Va	xial	
	\$		В				3		8			ੋ ਵੋ ਵ				RSQF		_
				+	CLAY, stiff, red and gray								0.	5 1.0	U 1.	.5 2	.0 2.	.5
 - 45 -					- tan and gray, with pockets of silt at 43'		- - - -					- - - -					 	
 - 50 -					- red, tan and gray, 48' to 53'		- - - _116 -		17	42	12	30_						□ ⁺ 3.7 _●
 - 55					- red and gray, 53' to 68'		- - -					- - - -						_+
 - 60					- very stiff below 58' - with sand seams, 58' to 60'		- - - -					- - - -						-+
					- reddish brown and gray below 68'		- - - - -		19			- - - - - -						_+ _+
 - 75 — 						—— 75.0	- - - - - -					- - - - - -						
2 3 4	. W 2. Te 3. C	erms a oordir 'OH -	and sy ates Weig	ymb were	6' at time of drilling. ols defined on Plates A-32a and A-32b. e obtained by our field technician with a hand he f Hammer rel Sampler was advanced hydraulically.	ld GPS de	vice.			TOTA CAVE DRY A WET BACK	L DE D DE AUGE ROTA	ril 24, : PTH: EPTH: ER: N ARY: : Cutti E. Sc	75' Not a ot App Mudli ings a	plicab ne to and D	le 75'		i	

LOG OF BORING NO. B-18 DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY

HARRIS COUNTY, TEXAS







GRA	VEL		SAND		SILT or CLAY						
Coarse	Fine	Coarse	Medium	Fine							
SYMBOL	BORING		DEPTH, FT		CLASSIFICATION						
•	B-10		5	Silty Sar	Sand, loose, fine-grained, gray, with shell fragments						
×	B-12		15	Sand, ve	Sand, very loose, fine-grained, gray						
*	B-13		15	Clayey S	Sand, loose, fine-grained, gray						
\otimes	B-18		20	Silty Sar	nd, very loose, fine-grained, gray						
•	B-23		30	Sand, m	edium-dense, fine-grained, dark brown, with silt seams						

GRAIN SIZE CURVES

DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS
BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY
HARRIS COUNTY, TEXAS

