

LOG OF BORING B-11

PROJECT: Wharves 2 & 6 - Bayport Terminal Complex
Port of Houston Authority

CLIENT: CH2M Hill
Houston, Texas

ELEVATION (FT) DEPTH (FT)	SAMPLE TYPE SYMBOL	COORDINATES: N 29.61246 W 94.99956	(P) POCKET PEN (tsf) (T) TORVANE (tsf)	STD. PENETRATION TEST BLOWCOUNT	MOISTURE CONTENT (%)	DRY UNIT WEIGHT (pcf)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)	PASSING #200 SIEVE (%)	OTHER TESTS PERFORMED
		SURFACE ELEVATION: -17.30 ft DRILLING METHOD: Dry Augered: to Wash Bored: 0 to 86 MATERIAL DESCRIPTION											
0		Soft reddish brown & gray LEAN CLAY (CL) w/ silty sand pockets	(T)0.16										
-20		-firm @ 3'-5'	(P)1.25				44	24					
5		-very soft @ 6'-8'	(T)0.08		23	109							
-25													
10		Very stiff reddish brown FAT CLAY (CH) w/ silt pockets	(P)3.00		32	90							
-30		-stiff @ 12'-14'	(P)2.50		24	98							
15													
-35		Firm reddish brown LEAN CLAY (CL) w/ silt seams & silt layers	(P)0.75		26	97							
20													
-40		Stiff to very stiff reddish brown FAT CLAY (CH) -slickensided & w/ ferrous nodules & silt pockets	(P)2.25		30	92			2.53	5 *			
25													
-45		-stiff @ 23'-25'	(P)2.75				82	58					
30													
-50		-reddish brown, gray, w/ ferrous & calcareous nodules @ 28'-30'	(P)2.50		34	86			2.50	4 *			
35													
		Gray CLAYEY SAND (SC) w/ clay pockets			14	128						34	

COMPLETION DEPTH: 86 ft
DATE BORING STARTED: 11-11-09
DATE BORING COMPLETED: 11-13-09
LOGGER: S. Cortinas
PROJECT NO.: 09.14.037

NOTES: Boring backfilled with cement bentonite grout upon completion of sampling.
Cons: One dimensional consolidation test.



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		MATERIAL DESCRIPTION											
-55		Gray CLAYEY SAND (SC)											
-40		Stiff gray SANDY LEAN CLAY (CL)	(P)1.75										
-60													
-45		Medium dense tan POORLY GRADED SAND w/ SILT (SP-SM) w/ clay pockets		6/6" 6/6" 7/6"								11	
-65													
-50		-dense 2 48.5'-50'		10/6" 16/6" 28/6"									
-70													
-55		Stiff gray & dark gray LEAN CLAY (CL) w/ ferrous nodules & sand pockets -slickensided @ 53'-55'	(P)2.25		37	81	28	12	1.23	2 *			
-75													
-60		-stiff to very stiff @ 58'-60'	(P)2.25		24	101			2.25	8	34		
-80													
-65		Very stiff gray & dark gray FAT CLAY (CH) w/ ferrous & calcareous nodules	(P)4.25		25	97			2.09	3			
-85													
-70		-w/ sand seams & pockets @ 68'-70'	(P)3.75		26	98							
-90													
		-very stiff to hard @ 73'-75'	(P)4.50+		18	111			3.41	10			

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			SURFACE ELEVATION: -17.30 ft											
			DRILLING METHOD: Dry Augered: to Wash Bored: 0 to 86											
			MATERIAL DESCRIPTION											
-130			Very stiff to hard gray FAT CLAY (CH)	(P)3.00		19	108							
115			-very stiff @ 113'-114'											
-135			-very stiff to hard @ 118.5'-120'		14/6" 14/6" 21/6"	18								
120			Bottom @ 120'											
-140														
125														
-145														
130														
-150														
135														
-155														
140														
-160														
145														
-165														

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