

LOG OF BORING B-13

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 29.61247 W 94.99870	(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: -2.90 ft											
				DRILLING METHOD: Dry Augered: to Wash Bored: 0 to 120											
				MATERIAL DESCRIPTION											
0				Soft reddish brown LEAN CLAY (CL) w/ silty pockets & ferrous nodules	(T)0.13										
-5				-very soft @ 3'-5'	(T)0.08		24	101	27	11				98	
5				-stiff @ 6'-8'	(P)2.25										
-10				-very stiff @ 9'-11'	(P)3.00										
-15				-stiff @ 12'-14' w/ ferrous nodules below 12'-18'	(P)2.75										
15				-firm @ 15'-17'	(P)1.25		30	96	41	22	0.59	2		94	
-20				Stiff reddish brown FAT CLAY (CH)	(P)2.25										
20					(P)2.50										
-25															
25				-very stiff, slickensided, reddish brown & gray @ 28'-30'	(P)3.25		29	95			2.52	2 *			
-30															
30				-stiff & reddish brown @ 33'-35'	(P)2.75										
-35															
35															

COMPLETION DEPTH: 120 ft
DATE BORING STARTED: 11-13-09
DATE BORING COMPLETED: 11-14-09
LOGGER: S. Cortinas
PROJECT NO.: 09.14.037

NOTES: Boring backfilled with cement bentonite grout upon completion of sampling.

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		MATERIAL DESCRIPTION											
-40		Stiff reddish brown & gray FAT CLAY (CH) -very stiff @ 38'-45' -reddish brown & gray @ 38'-40'	(P)3.00										
-45		-gray & w/ calcareous nodules @ 43'-45'	(P)3.00										
-50		Stiff gray SANDY LEAN CLAY (CL) w/ sand pockets, ferrous & calcareous nodules	(P)2.50		20		30	15				57	
-55													
-60		Medium dense gray CLAYEY SAND (SC) w/ clay pockets		3/6" 8/6" 8/6"	24							28	
-65													
-70		Dense gray POORLY GRADED SAND (SP) -medium dense & w/ clay pockets below 63.5' -tan @ 68.5'-70'		11/6" 17/6" 25/6" 5/6" 6/6" 12/6" 8/6" 14/6" 13/6"	23							3	
-75													
		Stiff gray FAT CLAY (CH)	(P)2.50		26	99			1.59	4	42		

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MATERIAL DESCRIPTION															
	75			Stiff gray FAT CLAY (CH) w/ shell fragments, ferrous nodules & sand seams											
	-80			-very stiff & w/ calcareous nodules @ 78'-80'	(P)3.50		18	111							
	80														
	-85														
	85			Very stiff gray FAT CLAY w/ SAND (CH) w/ sand pockets & seams, ferrous & calcareous nodules	(P)3.75		16	117	54	35	3.76	12	48	75	
	-90				(P)3.75		19								
	90														
	-95			-gray & dark gray @ 93'-95'	(P)3.50		20	110							
	95														
	-100			-stiff to very stiff @ 98'-100'	(P)3.75		15	114			1.60	6	37		
	100														
	-105			-stiff @ 103'-105'	(P)2.25									84	
	105														
	-110														
	110			Very stiff to hard gray LEAN CLAY (CL) w/ sand pockets, ferrous & calcareous nodules	(P)4.50+		16		42	24					

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			SURFACE ELEVATION: -2.90 ft											
DRILLING METHOD: Dry Augered: to Wash Bored: 0 to 120														
MATERIAL DESCRIPTION														
-115			Very stiff to hard gray LEAN CLAY (CL)											
-115			Very stiff to hard reddish brown & gray FAT CLAY (CH) w/ ferrous nodules	(P)4.50+		24	102			4.68	9 *			
-120				(P)4.50+										
-120			Bottom @ 120'											
-125														
-125														
-130														
-130														
-135														
-135														
-140														
-140														
-145														
-145														
-150														

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