



DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 4a COORDINATES: N 29°5'25.58" W 94°2'30.35" SURFACE EL.: Not Available	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH				
				STRATUM DESCRIPTION		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
												0.5	1.0	1.5	2.0	2.5
	▼		16	SILTY SAND, loose to medium dense, brown, with shell fragments												
			9													
5			10													
			7													
			20	- brownish gray, 8.5' to 13.5'												
10			22	- gray, 13.5' to 28.5'												
15			21													
20			21													
25			10	- olive gray below 28.5'												
30			3	- very loose below 33.5'												
35				CLAY, stiff, red and greenish gray	38.0											

NOTES:

1. ▽: Water First Noticed. ▼: Depth To Water after 15 minutes.
2. Boring coordinates were obtained with a hand-held GPS device.
3. Terms and symbols are presented on Plates D-9a and D-9b.

DATE: May 8, 2017

TOTAL DEPTH: 50'

CAVED DEPTH: Not Applicable

DRY AUGER: Surface to 50'

WET ROTARY: Not Applicable

BACKFILL: Cement-Bentonite Grout

LOGGER: E. Schulak

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LOG OF BORING NO. BH-04

STORM SURGE SUPPRESSION STUDY - GCCPRD

BRAZORIA, CHAMBERS, GALVESTON, HARRIS, JEFFERSON AND ORANGE COUNTIES, TEXAS

PLATE D-4a



DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 4a COORDINATES: N 29°5'25.58" W 94°2'30.35"	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH				
				SURFACE EL.: Not Available		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
				STRATUM DESCRIPTION								0.5	1.0	1.5	2.0	2.5
				CLAY, stiff, red and greenish gray												
45				- with shell fragments at 44'		84		38	94	23	71					
50				- red below 48'	50.0											
55																
60																
65																
70																
75																
NOTES:						DATE: May 8, 2017 TOTAL DEPTH: 50' CAVED DEPTH: Not Applicable DRY AUGER: Surface to 50' WET ROTARY: Not Applicable BACKFILL: Cement-Bentonite Grout LOGGER: E. Schulak										
1. ▽: Water First Noticed. ▼: Depth To Water after 15 minutes.																
2. Boring coordinates were obtained with a hand-held GPS device.																
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LOG OF BORING NO. BH-04**STORM SURGE SUPPRESSION STUDY - GCCPRD****BRAZORIA, CHAMBERS, GALVESTON, HARRIS, JEFFERSON AND ORANGE COUNTIES, TEXAS****PLATE D-4b**