



DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 4a COORDINATES: N 29°0'23.95" W 94°9'42.43" 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
			11	SILTY SAND, loose to medium dense, brown												
			6													
5			10													
			11	- brownish gray, 6.5' to 8.5'												
			11	- light olive gray, 8.5' to 13.5'												
10																
			6	- greenish gray, 13.5' to 18.5'												
15																
			3	- very loose, gray, with shell fragments below 18.5'												
20																
			1													
25																
				SANDY CLAY, soft, greenish gray, with shell fragments, and calcareous nodules	28.0	89	56	33	52	13	39	◆				
30												▼				
				- firm, greenish gray and dark brown below 33'								□				
35							53									
				CLAY, stiff, tan and greenish gray, with sand pockets and calcareous nodules	38.0										□	
						104	73	23	51	12	39				●	

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 9, 2017
TOTAL DEPTH: 50'
CAVED DEPTH: 3'
DRY AUGER: Surface to 4'
WET ROTARY: 4' to 50'
BACKFILL: Cement-Bentonite Grout
LOGGER: E. Schulak

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LOG OF BORING NO. BH-05

STORM SURGE SUPPRESSION STUDY - GCCPRD

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

PLATE D-5a



DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 4a COORDINATES: N 29°0'23.95" W 94°9'42.43" 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
45			4	CLAY, stiff, tan and greenish gray, with sand pockets and calcareous nodules - firm below 43.5'												
50			8		50.0											
55																
60																
65																
70																
75																
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 9, 2017 TOTAL DEPTH: 50' CAVED DEPTH: 3' DRY AUGER: Surface to 4' WET ROTARY: 4' to 50' BACKFILL: Cement-Bentonite Grout LOGGER: E. Schulak										

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LOG OF BORING NO. BH-05
STORM SURGE SUPPRESSION STUDY - GCCPRD
BRAZORIA, CHAMBERS, GALVESTON, HARRIS, JEFFERSON AND ORANGE COUNTIES, TEXAS
PLATE D-5b