

BORING LOG NO. B-15

CLIENT: **United States Army Corps of Engineers
Galveston, Texas**

PROJECT: **Contract W912HY-09-D-0021
Addicks and Barker Dams, TO-14**

BORING LOCATION: **N: 13839917.979
E: 3028051.864**

SITE: **Addicks and Barker Reservoirs
Houston, Texas**

Graphic Log	DESCRIPTION	DEPTH, FEET	SAMPLES					TESTS									
			USCS SYMBOL	TYPE	RECOVERY, IN	SPT, BLOWS/FT	CALIBRATED HAND PENETROM., TSF	TORVANE, TSF	MOISTURE CONTENT, %	DRY DENSITY, PCF	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	MINUS #200 SIEVE, %	COMPRESSIVE STRENGTH, TSF	FAILURE STRAIN, %	CONFINING PRESSURE, PSI
Approx. Surface Elevation: 93.0 feet																	
91.0	SILTY SAND gray and light gray, medium dense, low plasticity, fine-grained, dry, with clay seams	2.0	SM														
			SS	13	17			2									
			CL														
			ST	8		4.5		15									
	SANDY LEAN CLAY light gray and tan, very stiff, medium plasticity, dry - with sand pockets 2 to 6 feet		ST	7		3.75		14									
			ST	10		4.5		13	42	13	29	66					
			ST	9		4.5		15									
83.0	CLAYEY SAND light gray, dense, medium to low plasticity, fine-grained, uniform, moist	10.0	SC														
			ST	10		4.5		15	116	29	16	13	44				
			ST	8		4.5		15									
79.0	POORLY GRADED SAND w/ SILT light gray and tan, medium dense to very dense, low plasticity, fine-grained, uniform, wet	14.0	SP-SM														
			SS	16	29			8									
			SS	16	24												
			SS	10	49			19				9					
			SS	11	59												
			SS	10	46			21									
			SS	10	48												
Continued Next Page																	

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. IN SITU, THE TRANSITION BETWEEN STRATA MAY BE MORE GRADUAL.

REMARKS: Dry augered to 16 feet; wet rotary thereafter.

WATER LEVEL OBSERVATIONS

▽ 16 ft	WD	▽ 16 ft	at 5 min
▽ 16 ft	at 10 min	▽ 16 ft	at 15 min



DATE DRILLED

7/5/2012

PROJECT NUMBER

92125125

Page 1 of 2

B-15

EXHIBIT A-41

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	Approx. Surface Elevation: 93.0 feet																
63.0	POORLY GRADED SAND w/ SILT light gray and tan, medium dense to very dense, low plasticity, fine-grained, uniform, wet Boring terminated at 30 feet.	27	SS	9	58			21				7					
		28															
		29	SS	12	55												
30.0		30															

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