

BORING LOG NO. A-3

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

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

BORING LOCATION: **N: 13854472.513
E: 3039849.469**

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, %
	Approx. Surface Elevation: 90.7 feet															
	SILTY CLAY gray and brown, very soft, low plasticity, dry	1 2.0	CL-ML	ST	18		0.5		18							
	SANDY LEAN CLAY gray, brown, and yellowish brown, stiff, medium plasticity, dry, with sand fissures and pockets - very stiff 4 to 9 feet	2 3 4 5 6 7 8 9 9.0	CL	ST	17		1.5			33	14	19				
	LEAN CLAY reddish brown and light gray, very stiff, medium plasticity, dry	10 11 12 12.0	CL	ST	18		3.0		17	113			69			
	SILTY CLAY reddish brown and light gray, stiff, low plasticity, moist, with silty pockets and seams	13 14 14.0	CL-ML	SS	16	17										
	SANDY SILT reddish brown and light gray, medium dense, non-plastic, wet, with sand seams	15 16 16.0	ML	SS	18	11			17							
	SILTY SAND reddish brown, medium dense to very dense, non-plastic, fine-grained, uniform, wet	17 18 19 20 21 22 23 24 24.0	SM	SS	15	27			22				19			
		25 26	CH	SS	15	63			22							
		27 28		SS	17	31			24				27			
		29 30		SS	15	22										
		31 32		SS	21	22										

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

REMARKS: Dry augered to 18 feet; wet rotary thereafter.

WATER LEVEL OBSERVATIONS

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



DATE DRILLED

9/27/2012

PROJECT NUMBER

92125125

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EXHIBIT A-6

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			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: 90.7 feet																
/	FAT CLAY reddish brown, very stiff, high plasticity, moist, with slickensides	27	ST	21		4.0		27	104	58	25	33					
		28															
		29	ST	14		4.25											
	60.7 30.0 Boring terminated at 30 feet.	30															

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