

BORING LOG NO. A-9

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

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

BORING LOCATION: **N: 13853177.336
E: 3038729.125**

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: 93.1 feet																
90.1	SILTY SAND brown, very loose, non-plastic, moist	3.0	SM														
		1	SS	18	2			13					36				
		2															
87.1	SANDY LEAN CLAY brown, yellowish brown, and reddish brown, very soft, high plasticity, moist, with sand fissures - very stiff 4 to 6 feet	6.0	CL														
		3	SS	18	2			21									
		4															
		5	ST	12		3.25		14	117	46	14	32	56				
		6															
83.1	CLAYEY SAND light gray, yellowish brown, and reddish brown, very stiff, medium plasticity, dry, with sand fissures and pockets	10.0	SC														
		7	ST	7		4.5		13									
		8															
		9	ST	6		4.5		13	118	34	15	19	40				
		10															
	Boring terminated at 10 feet.																

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

REMARKS: Dry augered to 10 feet.

WATER LEVEL OBSERVATIONS

▽	▽
▽	▽

FREE WATER WAS NOT OBSERVED DURING DRY DRILLING OPERATIONS



DATE DRILLED

9/26/2012

PROJECT NUMBER

92125125

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EXHIBIT A-12