

BORING LOG NO. B-17

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

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

BORING LOCATION: **N: 13840185.934
E: 3029786.207**

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: 92.0 feet																
90.0	SILTY SAND dark gray and brown, loose, low plasticity, fine-grained, dry, with clay seams	2.0	SM	SS	10	9			14							
		3.0	CL	ST	9		2.5	30								
	SANDY LEAN CLAY light gray and tan, very stiff, medium plasticity, dry - with sand pockets 2 to 6 feet	4.0		ST	11		4.5	15								
		5.0		ST	8		4.5	14								
84.0	CLAYEY SAND light gray and tan, medium dense to dense, medium plasticity, fine-grained, uniform, dry - with sand seams 11 to 14 feet	8.0	SC	ST	8		4.5	14	35	16	19	41				
		9.0		ST	9		2.5	12	30	17	13	30				
		10.0		SS	15	36		12								
78.0	POORLY GRADED SAND w/ SILT light gray and tan, medium dense to dense, low plasticity, fine-grained, uniform, wet	14.0	SP-SM	SS	15	26		8				11				
		15.0		SS	13	32										
73.0	LEAN CLAY reddish brown and light gray, very stiff, medium plasticity, moist - with ferrous stains 20 to 22 feet - with calcareous nodules 22 to 25 feet - with silt pockets 24 to 25 feet	19.0	CL	SS	10	29		23								
		20.0		ST	16		4.5									
		21.0		ST	10		3.0	36								
67.0		25.0	SM	ST	19		2.5									
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 18 feet; wet rotary thereafter.

WATER LEVEL OBSERVATIONS			
▽ 16 ft	WD	▽ 15.5 ft	WCI
▽		▽	



DATE DRILLED
7/3/2012

PROJECT NUMBER
92125125

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EXHIBIT A-43

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<p>Approx. Surface Elevation: 92.0 feet</p>																
64.0	<p>SILTY SAND reddish brown and light gray, medium dense, low plasticity, fine-grained, wet, with clay seams</p>	27		SS	12	24				25						
28		28		CL												
62.0	<p>LEAN CLAY w/ SAND reddish brown and light gray, very stiff, medium plasticity, moist, with silt seams</p>	29		SS	7	24										
	<p>Boring terminated at 30 feet.</p>	30														

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WATER LEVEL OBSERVATIONS			
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