

BORING LOG NO. A-18

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

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

BORING LOCATION: **N: 13851039.957
E: 3033538.24**

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: 92.3 feet																		
	SANDY LEAN CLAY dark gray and tan, very stiff, high plasticity, dry, with sand pockets	1	CL	ST	5		4.5		34										
		2																	
		3		ST	7		4.5		12	118	48	17	31	50					
		4																	
	86.3	5		ST	14		4.0		16										
	6.0	6		SC															
		7		ST	10		4.5		16		35	13	22						
		8																	
	82.3	9		ST	8		4.5		12										
	10																		
	10.0																		
	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
6/13/2012

PROJECT NUMBER
92125125

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EXHIBIT A-21