

BORING LOG NO. A-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: 13851035.312
E: 3033097.434**

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: 92.7 feet																	
90.7	SILTY SAND brown, medium dense, non-plastic, dry, with clay seams	2.0	SM														
			SS	14	15			2									
			CL														
	SANDY LEAN CLAY tan, reddish brown, light gray, and brown, stiff to very stiff, medium plasticity, dry		ST	8		2.0		19									
86.7		6.0	ST	10		2.75		13	40	13	27	52					
			SC														
	CLAYEY SAND light gray, tan, and reddish brown, dense, medium plasticity, dry		ST	14		4.5		12									
82.7		10.0	ST	10		4.5		13	117	32	14	18	31				
	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

Page 1 of 1

A-17

EXHIBIT A-20