

BORING LOG NO. B-1

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

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

BORING LOCATION: **N: 13844852.605
E: 3027305.941**

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: 83.3 feet | | | | | | | | | | | | | | | | | | |
| | SANDY LEAN CLAY dark gray, very stiff, medium plasticity, dry - with calcareous nodules 2 to 4 feet | 1 2 3 4 | CL | ST | 17 | | 4.5 | | | | | | | | | | | |
| | 79.3 | 4.0 | | ST | 7 | | 4.5 | 14 | | | | | | | | | | |
| | LEAN CLAY w/ SAND light gray and tan, stiff, medium to high plasticity, dry, with calcareous nodules - with sand pockets and ferrous stains below 6 feet | 5 6 7 8 9 10 | CL | ST | 15 | | 1.25 | 18 | 114 | 49 | 14 | 35 | 82 | | | | | |
| | 73.3 | 10.0 | | ST | 19 | | 2.0 | 18 | 110 | 43 | 15 | 28 | 71 | | | | | |
| | | | | ST | 18 | | 1.25 | 24 | | | | | | | | | | |
| | 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 | |
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| FREE WATER WAS NOT OBSERVED DURING DRY DRILLING OPERATIONS | |



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| DATE DRILLED 7/6/2012 |
| PROJECT NUMBER 92125125 |

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| EXHIBIT A-27 |