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BORING NUMBER 13-B177

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CLIENT USACE-Galveston District **PROJECT NAME** Sabine Neches Placement Area 8
PROJECT NUMBER W912HY-13-D-0001-DY05 **PROJECT LOCATION** Port Arthur, TX
DATE STARTED 11/8/2013 10:45:00 AM **COMPLETED** 11/8/2013 2:45:00 PM **GROUND ELEVATION** 7.859 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13892192.25 ft **EASTING** 3575205.656 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Geoprobe 6620
LOGGED BY Pete Herold **TOTAL DEPTH** 16 ft **GROUND WATER LEVEL** ☒ **AT TIME OF DRILLING** 0.70 ft / Elev 7.16 ft
WEATHER partly cloudy, clearing, 60s, windy **☒ 15 MINUTES AFTER DRILLING** 0.40 ft / Elev 7.46 ft

GRAPHIC LOG	USCS SYMBOL	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE	RECOVERY (in)	SPT BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	FIELD TORVANE (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	MINUS #200 SIEVE CONTENT (%)	COMPRESSION STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
	CH	☒ Fat CLAY, light brown, very soft, with trace of roots	0	ST	13		0	2.0		54	93	31	62				
		more sand, with sand seams 2'-4'		ST	20		0	0.9	78	42							
		greenish gray	5	ST	20		0	1.2									
		less sand, dark gray		ST	21		0	1.0	69	52	77	24	53	96	0.23	3	
		with cracks and slight organic odor 10'-12'	10	ST	17		0	1.1									
				ST	22		0	0.8		82							
				ST	22		0	0.7									
			15	ST	22		0	0.4		65							

Bottom of borehole at 16.0 feet.