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BORING NUMBER 13-B191

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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 10/11/2013 2:15:00 PM **COMPLETED** 10/11/2013 4:40:00 PM **GROUND ELEVATION** 10.0885 ft **HOLE SIZE** 8.25 inches
DRILLING CONTRACTOR QRI **NORTHING** 13873742.41 ft **EASTING** 3574739.081 ft
DRILLING METHOD Hollow Stem Auger **DRILLING RIG MAKE/MODEL** Geoprobe 6620
LOGGED BY Terri Russin **TOTAL DEPTH** 16 ft **GROUND WATER LEVEL** ☒ **AT TIME OF DRILLING** 2.00 ft / Elev 8.09 ft
WEATHER partly cloudy, 80s, humid, rare slight breeze **15 MINUTES AFTER DRILLING** 1.75 ft / Elev 8.34 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 (%)	ATTERBERG LIMITS	MINUS #200 SIEVE CONTENT (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
	CH	CLAY, light brown, very soft, with rootlets	0												
	SP	SAND, light brown, very loose, cracked, with rootlets		ST	20		0.5/0	-/0.7		39					
		Fat CLAY, light brown, very soft, with rootlets		ST	20		0/0	0.7/2.4		48		98			
		light brown to olive gray, with large shell inclusions													
		olive gray, with iron and manganese granules and caliche granules	5	ST	14		0/0	1.2/2.4	70	53	84	26	58	89	0.09
				ST	19		0/0	0.9/1.0		41					
	CH	increasing silt content with depth, anoxic, with root		ST	23		0/0	0.4/1.9		58					
		light brown to olive gray, black stains (anoxic), with rootlets	10	ST	22		0/0	2.2/0.2	64	62	89	28	61	89	
				ST	20		0/0	0.3/0.5		35					
			15	ST	21		0/0	0.2/0.3		37					

Bottom of borehole at 16.0 feet.