

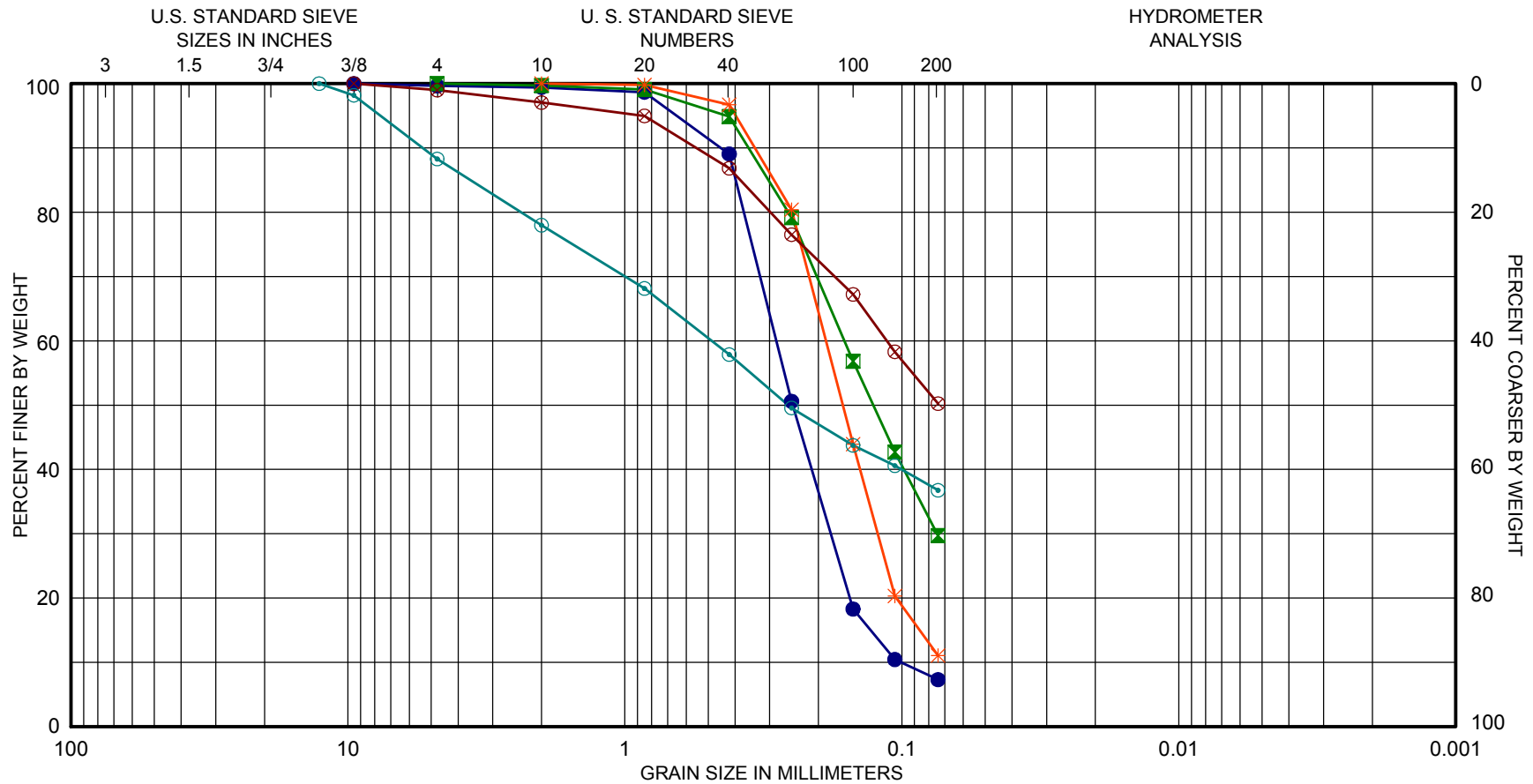


DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 2 COORDINATES: 29° 43' 41" N 95° 03' 07" W SURFACE EL.: 7.0'	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH				
				STRATUM DESCRIPTION		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
			4	CLAYEY SAND, loose, fine-grained, gray												
			7													
5	▼		2	SANDY CLAY, soft to firm, gray, with organic material	4.0		39									
			5				60									
10			4	SANDY SILT, very loose, fine-grained, tan, with fine gravel	8.0											
					10.0		50									
15																
20																
25																
30																
35																
NOTES:						DATE: March 22, 2011 TOTAL DEPTH: 10' CAVED DEPTH: Not Applicable DRY AUGER: Surface to 10' WET ROTARY: Not Applicable BACKFILL: Cement-Bentonite Grout LOGGER: B. Burkett										
1. ▽: Water First Noticed. ▼: Depth To Water after 24 hours.																
2. Terms and symbols defined on Plates A-32a and A-32b.																
3. Coordinates obtained from handheld GPS.																

R:041202011 PROJECTS\0001-0099\0412-11-0003\DRAWING\0412-11-0003.GPJ FUGRO_SO (LAB DATA)_INDUSTRIAL (W/R_MV) 6/2/2011

LOG OF BORING NO. B-31
DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS
BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY
HARRIS COUNTY, TEXAS





GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

SYMBOL	BORING	DEPTH, FT	CLASSIFICATION
●	B-28	4	Sand, medium-dense, fine-grained, gray to dark gray
■	B-28	14	Silty Sand, medium-dense, fine-grained, gray to dark gray
*	B-28	25	Sand, fine-grained, gray
⊗	B-31	10	Sandy Silt, very loose, fine-grained, tan, with fine gravel
○	B-34	15.5	Silty Sand, loose, fine- to medium-grained, black, with fine gravel

GRAIN SIZE CURVES
DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS
BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY
HARRIS COUNTY, TEXAS