

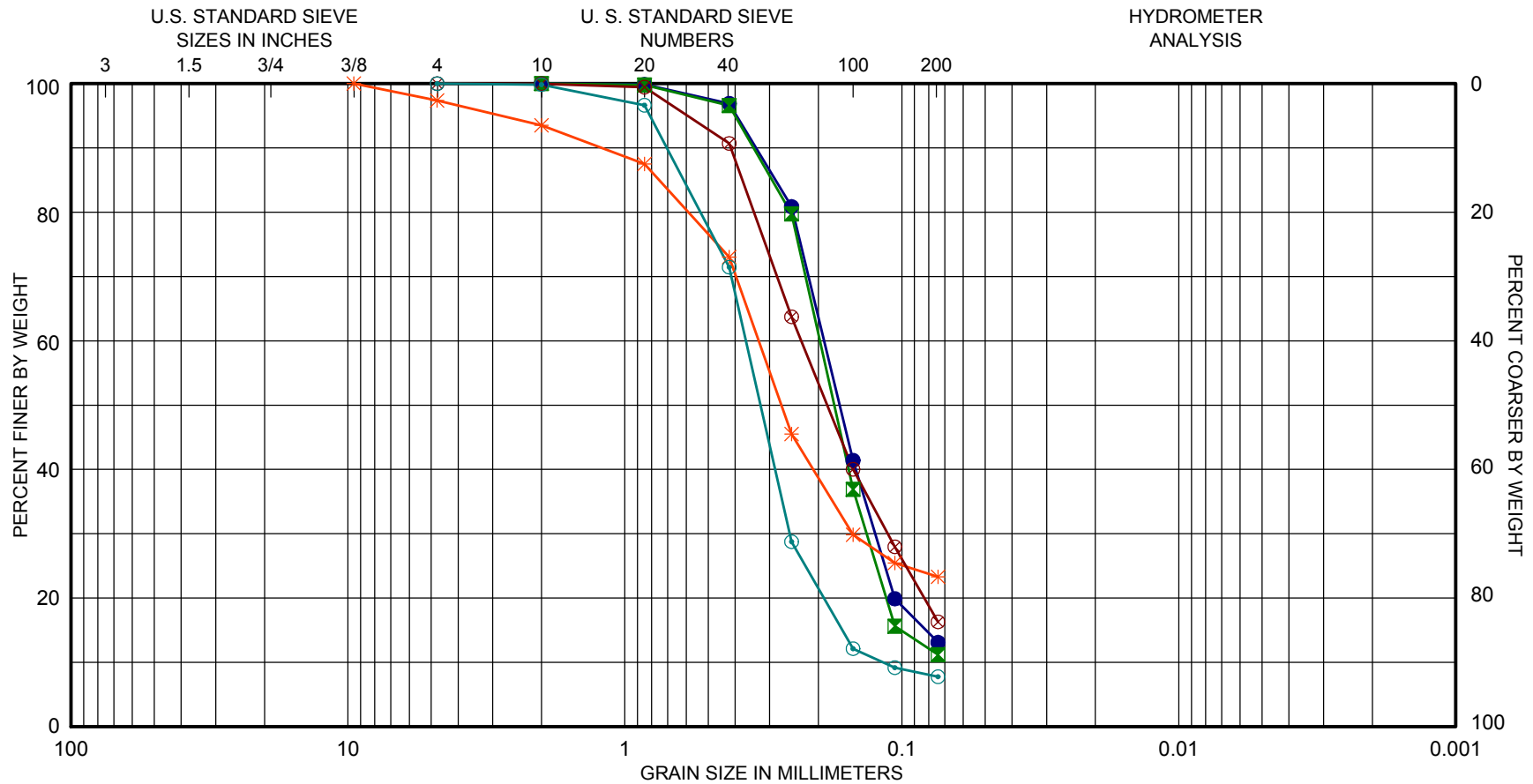


DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 2 COORDINATES: 29° 43' 41" N 95° 03' 04" W SURFACE EL.: 10.0'	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH				
				STRATUM DESCRIPTION		UNIT DRY WT, PCF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
			12	SAND, medium-dense, fine-grained, with roots			8									
5	▼		2	- very loose below 4'												
			2	CLAY, very soft, black, with organic material	6.0		98	89	101	23	78					
			4	CLAYEY SAND, loose, fine-grained, gray	8.0											
10			3				22									
			8													
15			6	SILTY SAND, loose, fine-grained, gray	14.0		33									
			10	- medium-dense, 18' to 20'												
20																
25			5		25.0											
30																
35																
NOTES: 1. ▼: Water First Noticed. ▼: Depth To Water after 15 minutes. 2. Terms and symbols defined on Plates A-32a and A-32b. 3. Coordinates obtained from handheld GPS.												DATE: March 22, 2011 TOTAL DEPTH: 25' CAVED DEPTH: Not Applicable DRY AUGER: Surface to 25' WET ROTARY: Not Applicable BACKFILL: Cement-Bentonite Grout LOGGER: B. Burkett				

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

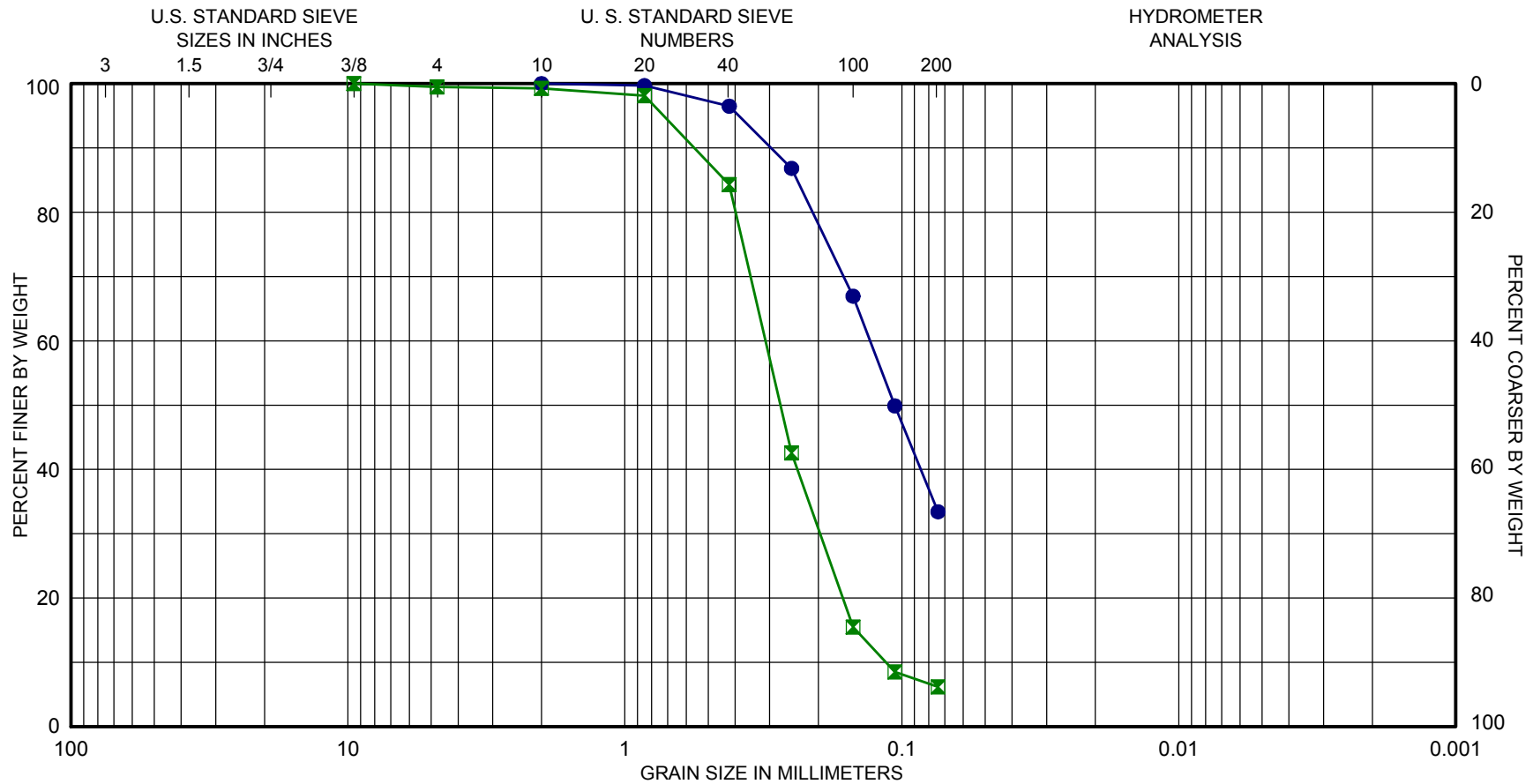
LOG OF BORING NO. B-39
DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS
BATTLEGROUND OIL SPECIALTY TERMINAL COMPANY
HARRIS COUNTY, TEXAS





GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	
<u>SYMBOL</u>	<u>BORING</u>	<u>DEPTH, FT</u>			<u>CLASSIFICATION</u>
	B-35	15.5			Silty Sand, loose, fine-grained, gray
	B-35	25			Silty Sand, medium-dense, fine-grained, gray
	B-37	24.5			Silty Sand, medium-dense, fine-grained, with fine gravel and shell fragments
	B-38	3.5			Silty Sand, loose, fine-grained, tan, with wood and shell fragments
	B-39	3.5			Sand, medium-dense, fine-grained, with roots

GRAIN SIZE CURVES
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-39	15.5	Silty Sand, loose, fine-grained, gray
■	B-40	13.5	Silty Sand, medium-dense, fine-grained, gray, with shell fragments
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GRAIN SIZE CURVES
DOCKS, BRIDGE, AND BARNES ISLAND IMPROVEMENTS
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