



DEPTH, FT	WATER LEVEL SYMBOL	SAMPLES	BLOWS PER FOOT	LOCATION: See Plate 2 COORDINATES: 29° 43' 46" N 95° 03' 00" W SURFACE EL.: 4.0'	STRATUM DEPTH, FT	CLASSIFICATION						SHEAR STRENGTH				
				STRATUM DESCRIPTION		UNIT DRY WT, POF	PASSING NO. 200 SIEVE, %	WATER CONTENT, %	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX (PI)	KIPS PER SQ FT				
												0.5	1.0	1.5	2.0	2.5
			9	SAND, loose to medium dense, fine-grained, gray to dark gray												
			16		4.0		7									
5	▼		8	SANDY CLAY, stiff, dark gray												
			7	SILTY SAND, loose to medium-dense, fine-grained, gray to dark gray	6.0			27	45	11	34					
			4	- very loose, 8' to 10'												
			12													
				CLAY, soft, dark brown, with sand pockets	14.0		30									
15			3					36	50	13	37					
			3					27	40	12	28					
20																
				SAND, fine-grained, gray, with clay pockets	23.0											
25							11									
				CLAYEY SAND, very loose, gray	28.0		55									
30			1													
35																
				CLAY, very soft, gray, with sand pockets	38.0											
			2				55	43	66	16	50					

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 17, 2011

TOTAL DEPTH: 75'

CAVED DEPTH: Not Applicable

DRY AUGER: Surface to 12'

WET ROTARY: Below 12'

BACKFILL: Cement-Bentonite Grout

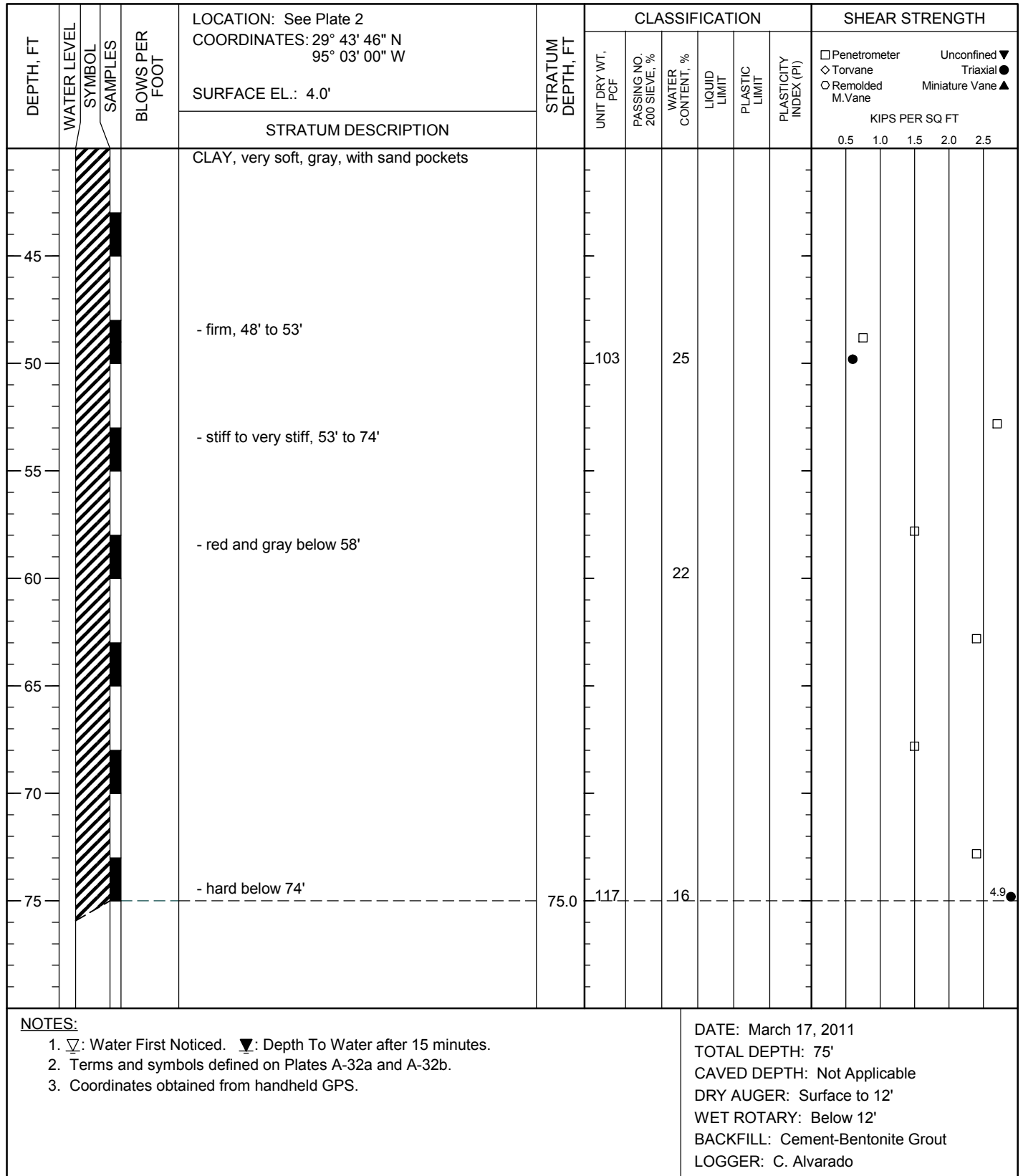
LOGGER: C. Alvarado

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-28

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

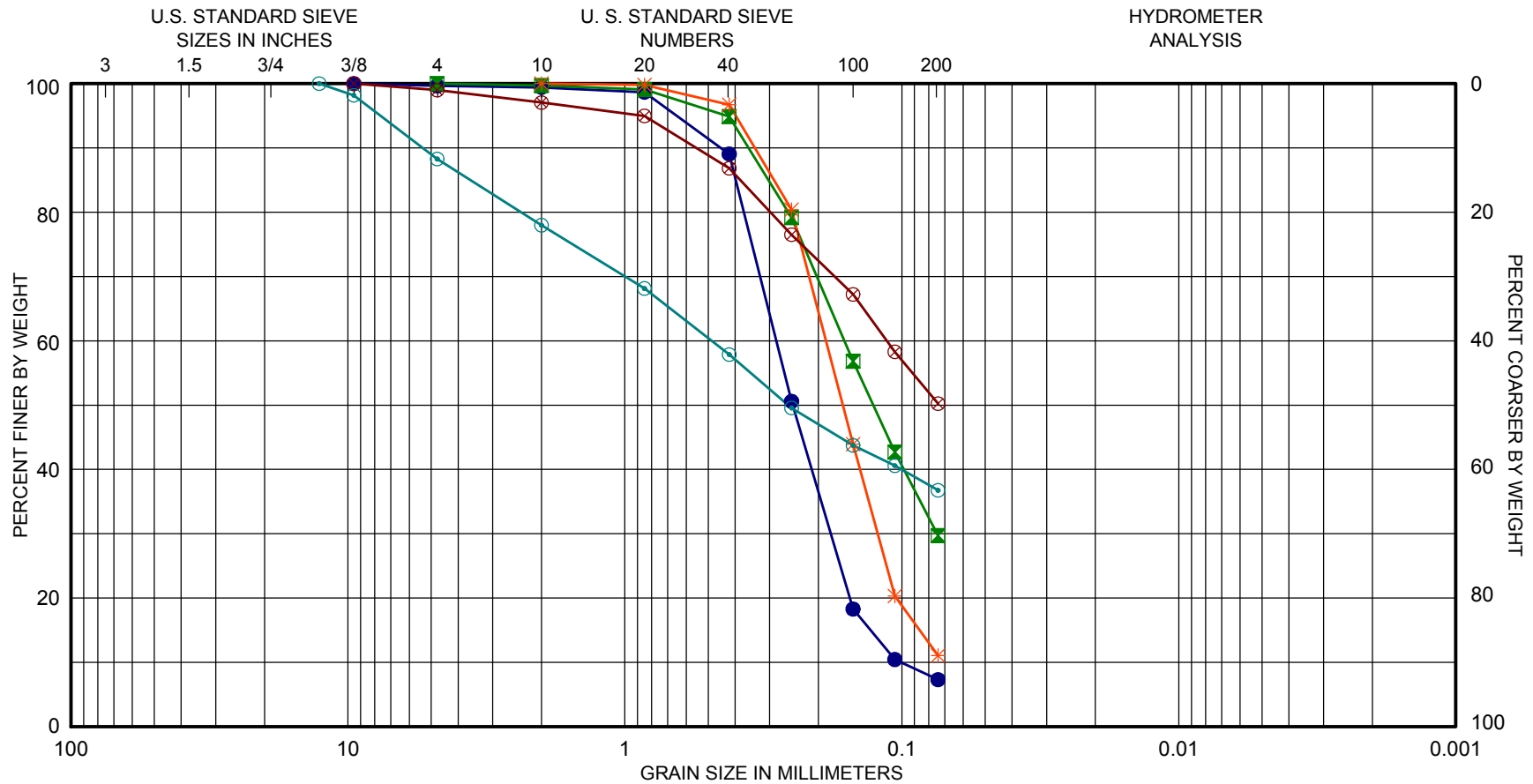




R:041202011 PROJECTS\0001-0099\0412-11-0003\DRAWING\0412-11-0003.GPJ FUGRO_SO (LAB DATA)_INDUSTRIAL (W/R_MV) 6/2/2011

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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
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