



File No. 19460 **BORING LOG 1**
 Client Baxter & Woodman, Inc. Sheet 3 of 4
 Project Graf Rd. over Lawrence Creek Date 9/10/08
 Structural #056-3111
 Location McHenry County, IL Drilled By AC
 Equipment CME 45B H.A. Other Logged By DA

Elev., ft.	Description	Depth, ft.	40	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated dense						16 20					
		17	SS	18"	27	47			8.5			
842.8'							14 21					
	Gray silt, some clay, trace sand & gravel, damp, dense	46	SS	18"	25	46			7.6			
							12 14					
838.3'		19	SS	18"	18	32			7.0			
	Gray clay & silt, trace sand & gravel, damp, hard						9 11					
		50	SS	18"	15	26	4.5+	7.4	148.5	7.7		
833.8'							6 7					
	Gray clay & silt, trace sand & gravel, damp, very tough	55	SS	18"	8	15	2.25	9.0	139.0	2.0		
							6 10					
826.3'		60	SS	18"	11	21	2.5	8.7	139.7	2.0		

Water Level — depth, ft. elev., ft.
 - while drilling: _____
 - after drilling: _____
 - hrs. after drilling: _____

S - sample T - type: J (jar), SS (split-spoon), ST (shell by tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blows/6" interval. W - water content, %
 N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
 Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.
 Qu - unconfined compressive strength, tons/eq. ft.

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Elev., ft.	Description	Depth, ft.	60	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay & silt, trace sand & gravel, damp, hard						14 16					
		65	SS	16"	22	38	4.5+	7.4	153.4	5.9		
							16 18					
		70	SS	18"	23	41	4.5+	7.7	143.7	5.5		
							10 13					
		75	SS	18"	20	33	4.5+	9.1	138.4	6.8		
							13 17					
806.3'		80	SS	18"	25	42			8.9	148.9	5.7	

Water Level — depth, ft. elev., ft.
 - while drilling: _____
 - after drilling: _____
 - hrs. after drilling: _____

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 277/2011 3248/PN

FILE NAME =	USER NAME =	DESIGNED - BLB	REVISED - PER MCDOT 12/31/10
		CHECKED - BAB	REVISED -
		DRAWN - BCD	REVISED -
		CHECKED - BLB	REVISED -

MCHENRY COUNTY DIVISION OF TRANSPORTATION
GRAF ROAD BRIDGE OVER
LAWRENCE CREEK

SOIL BORINGS
STRUCTURE NO. 056-3182
 SHEET NO. 17 OF 19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0037	06-00322-00-BR	MCHENRY	54	40
	C-91-358-06			
	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	BROS-00016831	