
 SOIL AND MATERIAL CONSULTANTS, INC. File No. 19459 **BORING LOG** 2  
 Client Baxter & Woodman, Inc. Sheet 3 of 4  
 Project Graf Rd. over Piskasaw Creek Date 9/9/08  
 Structural #056-3122  
 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 clay & silt, trace sand & gravel, damp, very tough											
							7					
							6					
845.6'		17	SS	18"			8	14	2.25	8.8	137.9	2.2
	Brown fine-medium sand, some coarse sand & gravel, very damp-saturated						8					
844.1'	medium dense	18					8			12.8		
	Gray clay, some silt, trace sand & gravel, damp, hard						10	18	4.5+	16.1		
843.1'		19	SS	18"			10					
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense						8					
							11					
							16	27		7.9		
839.6'		20	SS	18"			16					
	Gray clay & silt, trace sand & gravel, damp, tough						6					
							6					
							8	14	1.5	11.4	130.0	1.6
839.6'		50	SS	14"			8					
							5					
							6					
							7	13	1.25	8.3		
831.6'		55	SS	10"			7					
	Gray clay, some silt, trace sand & gravel, damp, very hard						11					
							16					
828.6'		60	SS	18"			23	39	4.5+	10.7	136.5	10.0+

Water Level — depth, ft. elev., ft.  
 - while drilling: \_\_\_\_\_  
 - after drilling: \_\_\_\_\_  
 - hrs. after drilling: \_\_\_\_\_  
 F-111b

S - sample T - type: J (jar), SS (split spoon), ST (shelby 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/sq. ft.

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Elev. ft.	Description	Depth, ft.	60	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay, some silt, trace sand & gravel, damp, very hard											
							10					
							13					
823.6'		65	SS	18"			18	31	4.5+	11.1	134.4	8.9
	Gray fine-medium sand, trace coarse sand & gravel, very damp-saturated, dense						9					
							14					
							19	33		14.7		
							8					
							14					
							16	30		14.9		
808.6'		75	SS	15"			16					
							11					
							21					
							22	43		11.4		
808.6'		80	SS	11"			22					

Water Level — depth, ft. elev., ft.  
 - while drilling: \_\_\_\_\_  
 - after drilling: \_\_\_\_\_  
 - hrs. after drilling: \_\_\_\_\_  
 F-111b

End of Boring  
 S - sample T - type: J (jar), SS (split spoon), ST (shelby 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/sq. ft.

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001272-01  
 EXP. DATE - 06/30/08  
 PROJECT NO. - 06-00322-01-18  
 SHEET NO. - 41  
 DRAWN BY - BCD  
 CHECKED BY - BLB  
 DESIGNED BY - BLB



USER NAME =	DESIGNED - BLB	REVISED - 12/30/10 PER MCDOT
PLOT SCALE =	CHECKED - BAB	REVISED -
PLOT DATE =	DRAWN - BCD	REVISED -
	DATE - 10/08/10	REVISED -

**MCHENRY COUNTY DIVISION OF TRANSPORTATION**  
**GRAF ROAD BRIDGE OVER**  
**WEST BRANCH PISCASAW CREEK**

**SOIL BORINGS**  
**STRUCTURE NO. 056-3183**  
 SHEET NO. 18 OF 18 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0037	06-00322-01-BR	MCHENRY	52	41
C-91-258-11		CONTRACT NO. 63580		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		BROS-01110641