

S&M SOIL AND MATERIAL CONSULTANTS, INC. File No. 19459 **BORING LOG 1**

Client Baxter & Woodman, Inc. Sheet 3 of 4

Project Graf Rd. over Piskasaw Creek Date 9/9/08

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
847.1'	Gray silt, some clay, trace sand & gravel, very damp, medium dense											
							10					
							18					
845.6'	Gray clay & silt, trace sand & gravel, damp, very hard		18	SS	18"	16	34	4.5+	8.5	143.0	8.3	
							6					
							8					
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated medium dense to dense		45	19	SS	18"	12	20	7.0			
							14					
							19					
840.6'			20	SS	15"	23	42		13.6			
							10					
	Gray silt, some clay, trace sand & gravel, damp, medium dense		50	21	SS	18"	16	29	8.0			
							13					
836.6'							10					
	Gray clay & silt, trace sand & gravel, damp, hard to very hard						12					
							22					
			55	22	SS	18"	25	47	4.5+	8.4	140.5	7.4
							12					
							22					
829.6'							13			10.6	137.0	9.7
	Gray fine sand, trace med.-coarse sand & gravel, very damp-sat., med. dense		60	24	SS	18"	13	26	18.9			

Water Level — depth, ft. elev., ft.

- while drilling: _____

- after drilling: _____

- hrs. after drilling: _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shealy 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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Project Graf Rd. over Piskasaw Creek Date 9/9/08

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Equipment CME 45B H.A. Other Logged By DA

Elev. ft.	Description	Depth, ft.	60	S	T	R	B	N	Pen.	W	Uw	Qu
826.1'	Gray fine sand, trace medium-coarse sand & gravel, very damp-saturated medium dense											
							11					
							14					
823.6'	Gray clay & silt, trace sand & gravel, damp, hard		65	25	SS	18"	17	31	4.5+	8.0	140.6	7.0
							11					
							14					
	Gray fine sand, trace medium-coarse sand, very damp-saturated, medium dense to dense						10					
							12					
			70	26	SS	12"	14	26	15.4			
							9					
							14					
			75	27	SS	15"	18	32	18.0			
							8					
811.1'							10					
	Gray fine sand, trace medium-coarse sand, very damp-saturated, medium dense						8					
							10					
808.6'			80	28	SS	10"	15	25	16.3			

Water Level — depth, ft. elev., ft.

- while drilling: _____

- after drilling: _____

- hrs. after drilling: _____

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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. 16 OF 18 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0037	06-00322-01-BR	MCHENRY	52	39
C-91-258-11		CONTRACT NO. 63580		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT BROS-01110641		