
 SOIL AND MATERIAL CONSULTANTS, INC. File No. 19460 **BORING LOG 2**
 Client Baxter & Woodman, Inc. Sheet 3 of 4
 Comments _____ 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 clay & silt, trace sand & gravel, damp, very hard						15							
							17	SS	18"	37	4.5+	7.3	142.8	8.6
842.0'							11							
	Gray clay & silt, trace sand & gravel, damp, hard						15							
		48	18	SS	18"	21	36	4.5+	7.2	137.0	5.3			
							9							
							15							
837.5'							19	SS	18"	34	4.5+	8.2	137.6	4.0
	Gray silt, some clay, trace sand & gravel, damp, dense						17							
		50	20	SS	18"	28	47		6.2					
							18							
							21							
							55	21	SS	18"	19	40	6.9	
828.5'							7							
	Gray clay & silt, trace sand & gravel, damp, hard						12							
		60	22	SS	18"	16	28	4.0	7.3	136.6	4.5			

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

Elev. ft.	Description	Depth, ft.	60	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay & silt, trace sand & gravel, damp, very tough						5					
							9					
865		23	SS	18"	11	20	3.5	8.3	143.8	3.8		
							6					
							8					
870		24	SS	18"	9	17	2.5	8.7	140.6	3.0		
							6					
							8					
875		25	SS	18"	11	19	2.75	8.4	141.6	3.4		
							6					
							8					
880.5'		26	SS	18"	10	17	3.0	8.4	135.5	2.9		

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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 LICENSE NO. 184-00121-EXPRES-4/30/2011
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FILE NAME =	USER NAME =	DESIGNED - BLB	REVISED - PER MCDOT 12/31/10	MCHENRY COUNTY DIVISION OF TRANSPORTATION GRAF ROAD BRIDGE OVER LAWRENCE CREEK	SOIL BORINGS STRUCTURE NO. 056-3182	TR	SECTION	COUNTY	TOTAL	SHEET	
		CHECKED - BAB	REVISED -			0037	06-00322-00-BR	MCHENRY	54	42	
		PLOT SCALE =	REVISED -			C-91-358-06		CONTRACT NO. 63569			
		PLOT DATE =	REVISED -			SHEET NO. 19 OF 19, SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		BROS-0001(683)	