

SOIL AND MATERIAL CONSULTANTS, INC. File No. 19459 **BORING LOG 2**
 Client Baxter & Woodman, Inc. Sheet 1 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.	0	S	T	R	B	N	Pen.	W	Uw	Qu
888.6'	Bituminous concrete - 4.25"											
	Base - brown sand & gravel, damp, loose											
886.1'	Black-dark brown silt, some clay, trace sand & gravel, damp-very damp, loose - F111	1	SS	15"	3	7			4.9			
882.6'	Black silt, some clay, trace sand, very damp, very loose (topsoil)	2	SS	12"	3	6			32.8			
880.1'	Brown fine-medium sand, some coarse sand & gravel, damp-saturated medium dense	3	SS	18"	2	4			206.1			
875.6'	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated medium dense	4	SS	13"	11	22			7.7			
		5	SS	18"	14	27			8.4			
		6	SS	18"	13	24			10.4			
		7	SS	18"	12	23			7.0			
868.6'		8	SS	18"	14	26			8.6			

Water Level - depth, ft. elev., ft.
 - while drilling: 10.0
 - after drilling: 9.0
 - hrs. after drilling: _____
 S - sample T - type: J(Jar), SS(split-spoon), ST(sheby 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.

F-111b


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 Client Baxter & Woodman, Inc. Sheet 2 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.	20	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense											
865.6'	Gray clay, some silt, trace sand & gravel, damp, very tough	9	SS	18"	14	24			6.0			
863.1'	Gray clay & silt, trace sand & gravel, damp-very damp, tough to very tough	10	SS	18"	8	15			2.5	9.2		
		11	SS	18"	6	12			1.5	10.1	142.8	1.3
		12	SS	18"	7	13			1.75	10.1	129.4	2.1
858.1'	Gray clay, some silt, trace sand & gravel, damp, very tough to hard	13	SS	18"	10	17			2.5	10.2	128.2	2.0
		14	SS	18"	11	18			3.5	9.5	141.3	4.6
852.6'	Gray clay & silt, trace sand & gravel, damp, very hard	15	SS	18"	32	47			8.9	140.7	10.0+	
850.6'	Gray clay & silt, trace sand & gravel, damp, very tough											
848.6'		16	SS	18"	10	19			3.0	11.0	134.2	2.8

Water Level - depth, ft. elev., ft.
 - while drilling: _____
 - after drilling: _____
 - hrs. after drilling: _____
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 B - Standard Penetration Test (SPT), blows/6" interval. W - water content, %
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 Qu - unconfined compressive strength, tons/sq. ft.

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 LICENSE NO. - 06-00322-01-BR
 EXPIRES 4/30/2011
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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. 17 OF 18 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0037	06-00322-01-BR	MCHENRY	52	40
C-91-258-11		CONTRACT NO. 63580		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		BR05-01110641