

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 19459 **BORING LOG 1**
 Client Baxter & Woodman, Inc. Sheet 1 of 4
 Comments _____ 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 - 4.0"											
	Base - brown sand & gravel, damp loose											
886.1'	Dark brown-black silt, some clay, trace sand & gravel, damp, loose - Fill	1	SS	18"	3	9			5.1			
882.6'	Black silt, some clay, trace sand, damp, loose (topsoil)	5	2	SS	18"	3	6		35.0			
880.1'	Gray silt, some clay & sand, trace gravel & roots, very damp, loose	4	4	SS	18"	8	12		18.5			
879.1'	Gray fine-medium sand, some coarse sand & gravel, damp-saturated medium dense to dense	10	5	SS	18"	8	12		9.4			
		6	6	SS	18"	8	14		9.9			
		7	7	SS	18"	17	32		8.1			
		8	8	SS	18"	11	19		5.7			
868.6'		20	9	SS	18"	11	30		8.3			

Water Level - depth, ft. elev., ft.
 - while drilling: 9.0
 - after drilling: 15.0
 - hrs. after drilling: _____
 S - sample T - type: J(Jar), SS(split-spoon), ST(stoby 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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SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 19459 **BORING LOG 1**
 Client Baxter & Woodman, Inc. Sheet 2 of 4
 Comments _____ 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 clay, some silt, trace sand & gravel, damp, very tough to hard											
		10	10	SS	18"	7	12		1.5	13.9	132.3	3.6
		25	11	SS	18"	10	19		3.0	10.0	135.8	2.0
		12	12	SS	15"	8	17		3.0	8.8	140.1	6.5
		30	13	SS	16"	12	22		3.5	7.2		
858.1'	Gray silt, some clay, trace sand & gravel, very damp, medium dense											
		14	14	SS	18"	6	11			11.2		
		35	15	SS	18"	5	10			11.5		
		16	16	SS	18"	12	22			10.5		
848.6'		40	17	SS	18"	8	19			10.1		

Water Level - depth, ft. elev., ft.
 - while drilling: _____
 - after drilling: _____
 - hrs. after drilling: _____
 S - sample T - type: J(Jar), SS(split-spoon), ST(stoby 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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 TEL: 301-948-1000 FAX: 301-948-1001
 WWW: WWW.BWCONSULTANTS.COM



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

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

SOIL BORINGS
 SHEET NO. 15 OF 18 SHEETS

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0037	06-00322-01-BR	MCHENRY	52	38
C-91-258-11			CONTRACT NO. 63580	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			BROS-01110641	