

MCHENRY COUNTY  
DIVISION OF TRANSPORTATION

File No. 19457 BORING LOG 1  
Client: Baxter & Woodman, Inc. Sheet 1 of 4  
Project: Lawrence Rd. over Lawrence Creek Date: 9/25/08  
Structural #056-3011  
Location: McHenry County, IL Drilled By: AC  
Equipment:  CME 45B  H.A.  Other Logged By: DA

Elev. ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
99.5'	Bituminous concrete - 10.5"										
	Base - brown sand & gravel, damp, medium dense	1	SS	13"	5	32			3.5		
	Dark brown-black-brown silt, some sand & clay, trace gravel, very damp, very loose - Fill	2	SS	6"	2	4			13.8		
	Brown silt, some sand, trace clay & gravel, very damp, very loose	3	SS	16"	1	1			18.0		
	Brown-gray silt, some clay, trace fine sand & roots, very damp, loose	4	SS	15"	4	9			25.9		
	Gray silt, some clay, trace sand & roots, very damp, loose	5	SS	15"	11	15			19.7		
	Gray fine-medium sand & gravel, some coarse sand, very damp, saturated, medium dense to dense	6	SS	14"	13	22			10.5		
	(fuel odor at 18.0')	7	SS	18"	22	41			9.5		
		8	SS	18"	19	35			6.9		
		9	SS	18"	19	35					

Water Level— depth, ft. elev., ft.  
- while drilling: 10.0  
- after drilling: 11.0  
hrs. after drilling: \_\_\_\_\_  
S - sample T - type: J(M), SS(spl-spoon), ST (shotby tube) R - recovery length, in.  
B - Standard Penetration Test (SPT), blow/ft interval. W - water content, %  
N - SPT, blow/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.  
Cu - unconfined compressive strength, tons/sq. ft.

File No. 19457 BORING LOG 1  
Client: Baxter & Woodman, Inc. Sheet 2 of 4  
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Elev. ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated dense	10	SS	18"	19	36			8.6		
	Gray sand, some silt, trace gravel damp, dense	11	SS	18"	27	42			8.5		
	Gray fine sand, very damp, very dense	12	SS	14"	33	57			16.6		
	Gray silt, some sand & clay, damp, very dense	13	SS	18"	36	58			14.8		
	Gray silt, some clay, trace sand & gravel, damp, very dense	14	SS	18"	39	62			9.7		
	Gray sand & silt, trace clay & gravel, damp, very dense	15	SS	18"	36	60			11.4		
	Gray silt, some clay, trace sand & gravel, damp, very dense	16	SS	18"	35	61			10.4		
	Gray clay & silt, trace sand & gravel, damp, very hard	17	SS	18"	27	45			8.7	140.9	10.0+

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Elev. ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay & silt, trace sand & gravel, damp, very hard	18	SS	18"	27	49		4.5+	8.4	140.5	10.0+
	Gray medium-coarse sand & gravel, some fine sand, very damp-saturated very dense	19	SS	18"	31	51		4.5+	8.0	136.3	9.8
	Gray clay & silt, trace sand & gravel, damp, very dense	20	SS	18"	27	48		4.5+	7.5	132.9	8.8
	Gray fine sand, very damp, dense	21	SS	18"	34	61		4.5+	8.0	125.3	8.2
	Gray fine sand, very damp, dense	22	SS	18"	26	45			14.0		
	Gray silt, some clay, trace sand & gravel, damp, dense	23	SS	18"	25	45			8.0		

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Elev. ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray silt, some clay, trace sand & gravel, damp, dense	24	SS	18"	24	41			8.8		
	Gray medium-coarse sand & gravel, some fine sand, very damp-saturated very dense	25	SS	18"	30	50			8.8		
	Gray clay & silt, trace sand & gravel, damp, very dense	26	SS	18"	32	55			7.8		
	End of Boring	27									

Water Level— depth, ft. elev., ft.  
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DESIGNED *BLB*  
CHECKED *AS*  
DRAWN *BCD*  
CHECKED *BLB*

**SOIL BORINGS**  
**STRUCTURE NO. 056-3181**

SHEET NO. 24 25 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0028	06-00320-01-BR	MCHENRY	70	48
JOB NO. C-91-139-11		ILLINOIS FED. AID PROJECT BRS-0028(107)			