

MCHENRY COUNTY
DIVISION OF TRANSPORTATION

SOIL AND MATERIAL CONSULTANTS, INC. File No. 19457 **BORING LOG 2**
 Client: Baxter & Woodman, Inc. Sheet 2 of 4
 Project: Lawrence Rd. over Lawrence Creek Date 9/17/08
 Structural #056-3011
 Location: McHenry County, IL Drilled By AC
 Equipment: CME 45B H.A. Other Logged By DA

Elev., ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
99.5'	Bituminous concrete											
	Base - brown sand & gravel, damp, loose	1	SS	12"					6.0			
	Dark brown silt, some clay, trace sand, very damp, loose (zone 1)	2	SS	16"					14.0			
	Brown silt, some clay, trace sand, very damp, very loose	3	SS	16"				4	22.3			
		4	SS	18"				3	25.5			
	Brown fine-medium sand, some coarse sand & gravel, damp-saturated, medium dense to dense	5	SS	19"				3.8	7.7			
		6	SS	16"				1.8	10.1			
		7	SS	18"				3.1	5.5			
		8	SS	15"				3.1	4.2			
	Brown fine-med. sand, some coarse sand & gravel, damp-saturated, medium dense	9	SS	18"				2.1	6.3			

Water Level - depth, ft. elev., ft.
 - while drilling: 9.2
 - after drilling: 9.0
 hrs. after drilling: _____

S - sample T - type: J (jar), SS (split spoon), ST (shallow 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.
 Qu - unconfined compressive strength, tons/sq. ft.

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Elev., ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated medium dense	10	SS	13"					12.5			
		11	SS	15"				2.4	6.3			
		12	SS	16"				2.0	6.2			
	Gray fine sand, trace medium-coarse sand & gravel, very damp-saturated, dense	13	SS	18"				3.5	10.6			
		14	SS	18"				2.7	9.4			
	Gray fine sand, trace medium-coarse sand, gravel & silt, very damp, very dense	15	SS	18"				3.2	9.6			
		16	SS	18"				3.7	9.8			
		17	SS	18"				4.5	9.3			

Water Level - depth, ft. elev., ft.
 - while drilling: _____
 - after drilling: _____
 hrs. after drilling: _____

S - sample T - type: J (jar), SS (split spoon), ST (shallow tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blow/ft. interval W - water content, %
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SOIL AND MATERIAL CONSULTANTS, INC. File No. 19457 **BORING LOG 2**
 Client: Baxter & Woodman, Inc. Sheet 3 of 4
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 Structural #056-3011
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Elev., ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine sand, trace medium-coarse sand, gravel & silt, very damp, very dense	18	SS	18"				5.1	8.4			
	Gray fine sand, trace medium-coarse sand & gravel, very damp, dense	19	SS	18"				4.7	14.3			
	Gray fine sand, very damp, dense	20	SS	18"				3.1	12.8			
	Gray silt, some clay, trace sand & gravel, damp, dense to very dense	21	SS	18"				4.7	8.4			
		22	SS	18"				5.8	8.8			
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated dense	23	SS	14"				3.8	10.3			

Water Level - depth, ft. elev., ft.
 - while drilling: _____
 - after drilling: _____
 hrs. after drilling: _____

S - sample T - type: J (jar), SS (split spoon), ST (shallow tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blow/ft. interval W - water content, %
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Elev., ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated dense to very dense	24	SS	18"				4.4	9.2			
		25	SS	12"				5.6	8.1			
	Gray limestone, very dense	26	SS	-				-	Refusal			
		27	SS	-				-	Refusal			

Water Level - End of Boring depth, ft. elev., ft.
 - while drilling: _____
 - after drilling: _____
 hrs. after drilling: _____

S - sample T - type: J (jar), SS (split spoon), ST (shallow tube) R - recovery length, in.
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DESIGNED BLB
 CHECKED AS
 DRAWN BCD
 CHECKED BLB

SOIL BORINGS
STRUCTURE NO. 056-3181

SHEET NO. 25 25 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0028	06-00320-01-BR	MCHENRY	70	49
CONTRACT NO. 63535					
JOB NO. C-91-139-11		ILLINOIS	FED. AID PROJECT	BRS-0028(107)	

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 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
 No. 39-002120-0001
 2/21/2001