



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation/D-2

**SOIL BORING LOG**

Date 7/28/09

ROUTE FAP 22 DESCRIPTION P92-082-09 IL 78 Bridge over French Creek, 500' N. of French Creek Road LOGGED BY W. Garza

SECTION 15 BR-1 LOCATION Mt. Pleasant Twp. - 19NE, SEC., TWP. 21N. RNG. 5E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic

STRUCT. NO.	Station	DEPTH	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	DEPTH	B	U	M
098-0118	910+03	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	(ft)	(/6")	(tsf)	(%)
MEDIUM dark brown SILTY CLAY LOAM				0.6 P	19.0	619.30	618.30	613.3	613.3	Wash		8			
												8			
												12			
MEDIUM gray dirty SAND	623.30		5		15.0							2		0.4	21.0
			6									7			
	621.80		9									13		P	
MEDIUM dark gray SILTY CLAY LOAM			1	0.6 P	31.0	619.30						5			
			3									3		0.8 P	32.0
			5									4			
SOFT gray SILTY CLAY LOAM			1	0.4 B	36.0							5			
			1									5		0.8 P	26.0
	616.80		2									7			
MEDIUM gray SILTY LOAM			0									4			
			1	0.5 B	26.0							6			
			2									6			
VERY LOOSE gray fine SAND			0									1			
			0									4		0.8 B	32.0
	611.80		1									4			
LOOSE gray fine SAND			1									1			
			3									2		0.9 P	29.0
	609.30		5									6			
DENSE gray clean medium coarse SAND			10									0			
			15									2		0.3 P	30.0
	606.80		20									4			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)



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098-0118	910+03	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	(ft)	(/6")	(tsf)	(%)
SOFT gray SILTY LOAM												6			
												15			
	584.30		4	0.3 P								18			
MEDIUM gray SILTY CLAY			0		30.0										
			0	0.5 P											
	581.80		2												
SOFT gray SILTY LOAM			0												
			1	0.3 B	32.0										
			3												
	579.30														
MEDIUM gray SILTY CLAY with SAND lens			0		30.0										
			2	0.6 B											
			11												
	578.30														
MEDIUM gray SANDY GRAVEL			1												
			8												
	574.30		11												
DENSE gray SANDY GRAVEL			10												
			19												
	571.80		28												
Wash VERY DENSE gray SANDY GRAVEL			23												
			39												
	569.30		54												
	566.80														

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)

COMPANY NAME: HR GREEN, INC.  
PROJECT CONTACT: KEVIN J BREHM  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
DATE PLOTTED: 9/13/2012 3:25:05 PM  
FILE NAME: P92-082-09-15BR-1-023-523-58.dgn  
PLOT DRIVER: pctool.plt  
PEN TABLE: jillm02.tbl



USER NAME =	DESIGNED - MGH	REVISED
	CHECKED - KJB	REVISED
PLOT SCALE =	DRAWN - WJH	REVISED
PLOT DATE =	CHECKED - KJB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
STRUCTURE NO. 098-0118

SHEET NO. 5-23 OF 5-23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	15BR-1	WHITESIDE	146	81
			CONTRACT NO. 64F19	

ILLINOIS FED. AID PROJECT