



SOIL BORING LOG

Date 11/14/05

ROUTE IL 116 DESCRIPTION IL 116 over Lanqen Creek LOGGED BY Larry Myers

SECTION 116-BR-3 LOCATION SW 1/4, SEC. 21, TWP. 28N, RNG. 10E

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME automatic

STRUCT. NO. 038-0120
Station 317+52
BORING NO. 3 SW quad
Station 317+03
Offset 7.80ft Rt
Ground Surface Elev. _____ ft

Description	Depth (ft)	Blow Count (SPT)	UCS (tsf)	Failure Mode	D	B	U	M	H	E	L	C	S	T	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.		
															ft	ft	ft	ft	ft	ft	ft
Augered, bituminous, CA08, brown, Sand and Gravel fill	0-8				4	1.6	25.0														
Medium, brown, Sand to fine, Gravel fill	8-9		5.9		1																
Finest, brown, Sand to fine, Gravel fill	9-10		6.3		1																
Stiff, brown, Silty Clay Loam with layers of concrete rubble (fill)	10-12		22.8		3	1.2	32.6														
Concrete obstruction at 12' Moved Rig west 10' and continued	12-13				2																
Medium, brown, interbedded, Silt and Clay	13-14		24.8		3	1.5	15.1														
Very stiff, brown, Silty Clay	14-16		19.4		3																
Very stiff, gray, Silty Clay to Clay	16-18		21.0		8	2.3	15.7														
Hard, gray, Silty Clay Loam Till with large, Limestone pieces at 45'	18-20				13																

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 T208)
BBS, from 137 (Rev. 8-99)



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															ft	ft	ft	ft	ft	ft	ft
Hard, gray, Silty Clay Loam Till with large, Limestone pieces at 45' (continued)	20-23		10.2		20	4.5															
	23-16																				
	16-20		11.0		3	4.0															
	20-27				4																
	27-33				3	1.2	32.6														
	33-48				6																
Brown and white, fractured, Limestone- weathered at surface	48-100.5		6.8		100.5	>4.5															
	100.5-85		16.2		85	>4.5															
End of Boring	85-100.4				100.4	P															

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