



**SOIL BORING LOG**

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Date 12/22/70

ROUTE IL 116 DESCRIPTION IL 116 over Langan Creek LOGGED BY W Pearce

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

COUNTY Iroquois DRILLING METHOD \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO. 038-0120  
Station 317+52  
BORING NO. 2  
Station 317+28  
Offset 36.000 LI  
Ground Surface Elev. 97.11 ft

D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ ft	D E P T H	B L O W S	U C S	M O I S T	Stream Bed Elev. _____ ft
(ft)	(blows)	(tsf)	(%)	Groundwater Elev.: First Encounter _____ ft	(ft)	(blows)	(tsf)	(%)	Upon Completion _____ ft
				After _____ hrs.					
0-4				Stiff, yellowish brown, Clay and Clay Till		5	B		
4-6	1.8	21.0				8	1.6	16.0	
6-9	B					9	B		
				(634.11) 73.11					
9-10				Very stiff, gray brown, Clay Till		5			
10-12	1.0	23.0				7	2.3	14.0	
12-13	B					10	B		
				(652.11) 81.11					
13-14				Medium, light brown, Silty Clay Till		6			
14-15	0.3	26.0				8	2.1	15.0	
15-16	B					10	B		
				(649.61) 88.81					
16-17				Very stiff, brown, Clay Till		6			
17-19	3.1	17.0				7	2.1	15.0	
19-20	B					8	B		
				(624.61) 83.81					
20-21				Hard, greenish gray, Clay Till		10			
21-22						14	4.7	16.0	
22-23	2.7	24.0				25	B		
				(642.11) 81.11					
23-24				Soft, gray brown, Clay Till					
24-25						20			
25-27	1.3	29.0				21			
27-28	B					22			
						20			
28-30	1.8	33.0				31	4.6	11.0	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Ridge, 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. 8-88)



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D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ ft	D E P T H	B L O W S	U C S	M O I S T	Stream Bed Elev. _____ ft
(ft)	(blows)	(tsf)	(%)	Groundwater Elev.: First Encounter _____ ft	(ft)	(blows)	(tsf)	(%)	Upon Completion _____ ft
				After _____ hrs.					
0-5				Hard, greenish gray, Clay Till (continued)		5	B		
5-6						6			
6-8	1.6	16.0				8	1.6	16.0	
8-9	B					9	B		
				(614.61) 53.81					
9-10				Very dense, yellow to green, Silt		5			
10-11						6			
11-12	3.8	16.0				7	3.8	16.0	
12-13	B					10	B		
				(612.61) 51.81					
13-14				End of Boring					
14-15									
15-16									
16-17									
17-18									
18-19									
19-20									
20-21									
21-22									
22-23									
23-24									
24-25									
25-26									
26-27									
27-28									
28-29									
29-30									

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BBS, from 137 (Rev. 8-88)

NOTES:  
1.) Ground Surface Elevation 97.11 = +658.11 (correlation between 1970 Borings and current plans).  
2.) Existing Ground Surface Elevation = +647.75.