



SOIL BORING LOG

Page 1 of 1
Date 6/22/04

ROUTE FAP 345 (US Rte. 20) DESCRIPTION North Retaining Wall LOGGED BY R. GROFF
SECTION BR-1-N-1 LOCATION N side of Rte20 E of Bluff City Rd., SEC. 20, TWP. 41N, RNG. 9E
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTHS	BL	UCS	M	SOILS	Surface Water Elev.	DEPTHS	BL	UCS	M	SOILS
Station	H S Qu T					ft	H S Qu T				
BORING NO. B-05											
Station 90+00											
Offset 65.00ft Left											
Ground Surface Elev. 779.70 ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)	
ASPHALT (4")						779.37					
Black Silty CLAY and GRAVEL (4") (fill)						779.03					
Brown Silty CLAY, trace fine to medium Sand	1	0.8	18.0				9				
	3	B					18			3.0	
							21				
Brown fine to coarse SAND and GRAVEL	4					776.20					
	4		5.0								
	6										
	9										
	9		3.0								
	11										
	12										
	11		4.0								
	11										
	16										
	7		2.0								
	8										
	10										
	13		3.0								
	18										
	9										
	9		4.0								
	11										
	11										
	12		2.0								

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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COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

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Station	H S Qu T					ft	H S Qu T				
BORING NO. B-06											
Station 91+00											
Offset 75.00ft Left											
Ground Surface Elev. 781.70 ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)	
Black Silty CLAY, trace fine Sand and Gravel (Organic) (topsoil)											
		3				780.20					
Dark Brown to Black Silty CLAY (fill)		3	2.0	20.0							
		3	P								
Brown Silty CLAY, trace fine to medium Sand		2				778.20					
		3	1.1	20.0							
		5	B								
Brown fine to coarse SAND and GRAVEL		8				775.70					
		9		4.0							
		10									
		12									
		16		3.0							
		24									
		34									
		32		4.0							
		35									
		65									
		40/2"		3.0							
		14									
		26		3.0							
		38									
		24									
		75		4.0							

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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS-III
U.S. RTE. 20
AT BLUFF CITY / SHALES PARKWAY
NORTH SOLDIER PILE RETAINING WALL
F.A.P. 345 SECTION: 8R-1-N-1
COOK COUNTY
STRUCTURE NO. 016-W969
SCALE: NONE DRAWN BY: D.L./F.M.
DATE: FEBRUARY, 2008 CHECKED BY: B.N.S./J.C.N.
CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS

NORTH BLUFF CITY RETAINING WALL 2/19/2008 3:44:14 PM