



SOIL BORING LOG

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Date 6/22/04

ROUTE FAP 345 (US Rte. 20) DESCRIPTION South Retaining Wall LOGGED BY R. GROFF
 SECTION BR-1-N-1 LOCATION S 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.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	H	S	Qu	T	ft	H	S	Qu	T
BORING NO. B-08					Groundwater Elev.:				
Station 84+90					First Encounter 752.9 ft				
Offset 62.00ft Right					Upon Completion Dry ft				
Ground Surface Elev. 771.40 ft					After Hrs. Cave in @ 11' ft				
Black Silty CLAY, trace fine Gravel (Organic) (Topsoil)					End of Boring				
		6							
Brown fine to coarse SAND and GRAVEL		24	-	3.0					
		42							
		11							
		8	-	5.0					
		13							
		7							
		8	-	3.0					
		9							
		19							
		16	-	2.0					
		15							
		16							
		11	-	4.0					
		10							
		9							
		12	-	3.0					
		14							
		10							
		13	-	5.0					
		12							
		3							
		3	-	8.0					

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-09					Groundwater Elev.:				
Station 85+90					First Encounter 755.4 ft				
Offset 60.00ft Right					Upon Completion Dry ft				
Ground Surface Elev. 771.40 ft					After Hrs. Cave in @ 9' ft				
Dark Brown Silty CLAY with fine Gravel (fill)					End of Boring				
		16							
Brown fine to coarse SAND and GRAVEL (fill)		25	-	3.0					
		25							
		3							
Brown Silty CLAY, trace fine to medium Sand		3	1.8	11.0					
		5	B						
		3							
		4	2.0	17.0					
		5	P						
		11							
Brown fine to coarse SAND and GRAVEL		9	-	6.0					
		11							
		8							
		16	-	3.0					
		14							
		16							
		16	-	2.0					
		13							
		12							
		10	-	7.0					
		10							
		5							
		7	-	7.0					

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-I
 U.S. RTE. 20
 AT BLUFF CITY / SHALES PARKWAY
 SOUTH SOLDIER PILE RETAINING WALL
 F.A.P. 345 SECTION: BR-1-N-1
 COOK COUNTY
 STRUCTURE NO. 016-W968
 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