



## SOIL BORING LOG

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 Date 6/23/04

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. Station	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	GROUNDWATER Elev.: First Encounter (ft)	Upon Completion (ft)	After (Hrs.)
Boring B-12 Station 88+80 Offset 65.00ft Right Ground Surface Elev. 779.40 ft					759.40	-20	23		
Brown Silty CLAY some fine Gravel (fill)	11								
Brown fine to coarse SAND and GRAVEL trace Brown Silty Clay (fill)	29	-	6.0						
	26								
Brown Silty CLAY, trace fine to medium Sand	15								
	19	-	6.0						
	10								
	4								
	4	-	13.0						
	4								
Brown fine to coarse SAND and GRAVEL	6								
	9	-	5.0						
	8								
	13								
	12	-	8.0						
	13								
	21								
	17	-	4.0						
	14								
	30								
	31	-	3.0						
	23								
	100								
	24	-	3.0						

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

STRUCT. NO. Station	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	GROUNDWATER Elev.: First Encounter (ft)	Upon Completion (ft)	After (Hrs.)
Boring B-13 Station 89+80 Offset 68.00ft Right Ground Surface Elev. 782.50 ft					782.50	-20	12		
Black Silty CLAY, some fine Gravel (topsoil)	7								
Brown fine to medium SAND and GRAVEL mixed with Brown Silty Clay (fill)	7	-	7.0						
	11								
	5								
	4	3.5	22.0						
	3	P							
	2								
	2	3.0	20.0						
	1	P							
Brown fine to coarse SAND and GRAVEL	9								
	8	-	3.0						
	8								
	13								
	12	-	4.0						
	10								
	6								
	6	-	2.0						
	10								
	12								
	20	-	2.0						
	37								
	15								
	13	-	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  
 SOUTH SOLDIER PILE RETAINING WALL  
 F.A.P. 345 SECTION: 8R-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