



SOIL BORING LOG

Page 1 of 3
Date 10/3/00

ROUTE FAP 310 DESCRIPTION US 67 over Brushy Fork Creek LOGGED BY M. Tappan
SECTION (6.81)RS-4.8 LOCATION SW 1/4, SEC. 16, TWP. 14 N, RNG. 10 W, 3 PM
COUNTY Morgan DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	Station	B	U	M	Surface Water Elev.	D	B	U	M
		LOC	CS	OST	ft	DEPTH	BL	UC	MO
		(ft)	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)
None Assigned	223+52				627.57				
2 NW Corner	223+27				618.5				
Groundwater Elev.:					No Data				
First Encounter					618.5				
Upon Completion					No Data				
After 48 Hrs.					626.5				
Ground Surface Elev.		640.03							
Grey and Brown Moist SILTY CLAY (Till)									
Brown and Light Grey Moist SILTY CLAY (continued)									
619.03									
Grey Medium Grained Dirty SAND Free Water									
1									
2 0.7 24									
2 B									
-5									
Grey and Olive Brown Moist CLAY (Till)									
615.03									
1									
2 1.4 22									
3 B									
w/ 3" LOAM Seam									
630.03									
1 0.5 22									
2 B									
-10									
Brown and Grey Moist SILTY CLAY LOAM									
1									
2 0.7 20									
2 B									
Grey									
624.53									
1 0.5 25									
2 B									
-15									
Black Moist CLAY									
622.03									
0									
2 1.0 28									
3 B									
Brown and Light Grey Moist SILTY CLAY									
0									
2 0.7 24									
1 B									
-20									

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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First Encounter					618.5				
Upon Completion					No Data				
After 48 Hrs.					626.5				
Ground Surface Elev.		640.03							
Grey and Olive Brown Moist CLAY (Till) (continued)									
619.03									
0									
1									
2									
6 4.9 14									
10 B									
-45									
Grey and Brown									
592.53									
2									
6 5.1 13									
12 B									
-50									
Grey Moist CLAY (Till)									
572.53									
1									
2 2.1 21									
5 B									
-70									
Light Blue Grey and Olive Brown Moist SHALEY CLAY w/ Brown and Grey Weathered SHALE Layer									
567.53									
1									
4 2.8 15									
7 B									
-55									
Olive Brown and Blue Grey Moist V. Weathered CLAYEY SHALE w/ Interbedded LIMESTONE Seams									
565.03									
12 8									
-75									
3									
8 2.7 22									
11 B									
-80									

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2 NW Corner	223+27				618.5				
Groundwater Elev.:					No Data				
First Encounter					618.5				
Upon Completion					No Data				
After 48 Hrs.					626.5				
Ground Surface Elev.		640.03							
Olive Brown and Blue Grey Moist V. Weathered CLAYEY SHALE w/ Interbedded LIMESTONE Seams (continued)									
3									
22 7.5 20									
25 E									
-85									
Dark Grey Poorly to Moderately Indurated CLAYEY SHALE Broken Sample									
552.53									
1									
2 2.1 21									
5 B									
-70									
Grey Crystalline LIMESTONE w/ Interbedded SHALE Seams									
551.03									
100									
/2"									
Auger Refusal - Boring Completed									
-90									
Refer STA to cl of Existing Structure = 253+52 STA Increase to South									
Refer Elevation to BM#115 Chisled Square on East Headwall of Existing Structure BM # 115 = 634.53									
-95									
-100									

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ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE BORING LOGS	
PROJECT US RTE. 67 OVER BRUSHY FORK CREEK FAP ROUTE 310, SECTION 81B-1 MORGAN COUNTY STATION 223+51.00 STRUCTURE NUMBER 069-2505	PROJECT NO. 03002 SCALE DATE 9/30/04 DRAWN BY TFG CHECKED BY CME/MCB DRAWING NO. 5
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	
OF 5 SHTS	