



# SOIL BORING LOG

Date 12/15/11

ROUTE C. H. 11 DESCRIPTION PTB 155-45 W. O. 16 - Slope Failure LOGGED BY SCI  
 SECTION N/A LOCATION Duncan Mills, Illinois, SEC. 8, TWP. 4N, RNG. 3E,  
Latitude , Longitude  
 COUNTY Fulton DRILLING METHOD CME 750 w/HSA HAMMER TYPE AUTO

STRUCT. NO.	Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After N/A Hrs. (ft)
N/A	N/A					N/A	N/A		N/A	N/A	N/A
B-04	14+80.24										
		19.7									
		476.47									
SILT: Brown, with sandstone fragments (A-4) 475.47											
SANDSTONE: Brown Becomes gray 30 35 9 7											
Becomes fragmented, with brown sandy clay 472.47 2 11 12											
CLAY: Gray, with fine sand and sandstone fragments (A-7) 471.47 -5 40 17											
Auger refusal at 5.0 ft.											
Borehole continued with rock coring.											
-10											
-15											
-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, form 137 (Rev. 8-99)



# ROCK CORE LOG

Date 12/15/11

ROUTE C. H. 11 DESCRIPTION PTB 155-45 W. O. 16 - Slope Failure LOGGED BY SCI  
 SECTION N/A LOCATION Duncan Mills, Illinois, SEC. 8, TWP. 4N, RNG. 3E,  
Latitude , Longitude  
 COUNTY Fulton CORING METHOD Rotary, surface set diamond bit

STRUCT. NO.	Station	CORING BARREL TYPE & SIZE	Core Diameter (in)	Top of Rock Elev. (ft)	Begin Core Elev. (ft)	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
N/A	N/A	NX conv dbl bbl split inner	1.9	471.47	471.47						
B-04	14+80.24										
						19.7					
						476.47					
SANDSTONE: Tan, rubble, some clay-filled vertical jointing 471.47											
470.30											
SANDSTONE: Gray 6' 5.5" - 1.5" clay seam, with fine gravel 7' 1" - iron-stained parting Interbedded with shale, thinly layered 8' 0" - 3/4" clay seam 468.41											
SHALEY CLAY: Light gray											
-10											
466.05											
CLAYEY SHALE: Light gray											
Becomes dark gray											
463.01											
SHALEY CLAY: Tan 462.89											
SANDY SHALE: Gray 462.05											
SANDSTONE: Gray 461.80											
SHALEY CLAY: Gray 461.47											
SHALE: Black, weathered 15' 2.5" - 1" clay seam 16' 8.5" - 2" clay seam											
18' 8.5" - iron-stained parting											
457.22											
Shaley clay layer - rubble 457.05											
SHALE: Black, weathered 456.47											
End of Boring											
-15											
-20											
-25											

Color pictures of the cores  Yes

Cores will be stored for examination until \_\_\_\_\_

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)