

**SOIL BORING LOG**

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,

COUNTY Fulton DRILLING METHOD CME 750 w/HSA HAMMER TYPE AUTO

STRUCT. NO.	Station		DEPTH	BLOW	UNCONS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPTH	BLOW	UNCONS	MOIST
			(ft)	(/6")	(tsf)	(%)	N/A	N/A	(ft)	(/6")	(tsf)	(%)
SILTY CLAY: Brown (A-6)	492.73		2				473.48		16			
CLAY LOAM: Brown, trace gravel (A-6)	487.23		2	<0.25	20			37	>4.5	9		
			2	P				50/5"	P			
			2	1.8								
			6	2.5	18			50/2"		10		
With iron staining	487.23		3									
CLAY: Gray (A-7)	485.98		4	3.3	16							
			6	B								
SHALEY CLAY: Gray, with iron staining (A-7)	479.98		2									
			6	2.7	18							
			8	S								
Becomes dark gray	475.98		3									
			8	2.6	21							
			11	S								
SILTSTONE: Light gray, with iron staining	475.98		4									
			8	>4.5	11							
			11	P								
			22									
			33	3.9	9							
			30	S								
SHALE: Gray, with iron staining	475.98		12									
			22	>4.5	9							
			34	P								

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**

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,

COUNTY Fulton CORING METHOD Rotary, surface set diamond bit

STRUCT. NO.	Station		DEPTH	CORING BARREL TYPE & SIZE	RECOVERY	R.Q.D.	CORE TIME	STRENGTH
			(ft)		(#)	(%)	(min/ft)	(tsf)
SANDSTONE: Gray, moderately to slightly weathered	470.48		1	NX conv dbl bbl split inner	97	47		
24' 9" - 7-inch vertical joint								
25' 4" - rubble, 7 inches								
25' 11" - 8.5-inch vertical joint								
26' 7.5" - rubble, 2 inches								
30' 6" - 1/8-inch dark gray clay seam								
31' 0" - 1-inch black clay seam, wet								
31' 2" - 1/8-inch coal seam								
33' 2" - 1/8-inch clay seam	459.98		3		100	74		
SANDSTONE interbedded with layers of shale and coal	458.98							
SHALE: Gray	458.48							
34' 3" - Slickensides	457.48							
SILTSTONE: Gray, moderately weathered	457.48							
SHALE: Gray	455.48							
End of Boring								

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)