



SOIL BORING LOG

Date 12/9/11

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)	BLOW S (ft/6")	UCS Qu (tsf)	MOIST (%)	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-02	12+73.10										
	Offset 14.1 ft RT										
	Ground Surface Elev. 480.75 ft										
FILL: Brown, sand, fine to coarse, with fine to coarse gravel (A-3) 479.75 FILL: Gray, sandy clay, with sandstone fragments (A-6) 477.75 SANDY CLAY: Brown, with shale fragments (A-6) 477.00 SAND: Brown, fine to coarse, with gravel and chert fragments (A-2) 476.25 SANDSTONE 475.25 Auger refusal at 5.5 ft. Borehole continued with rock coring.											

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 12/9/11

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	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
N/A	N/A	NX conv dbl bbl split inner						
B-02	12+73.10	Core Diameter 1.9 in						
	Offset 14.1 ft RT	Top of Rock Elev. 476.25 ft						
	Ground Surface Elev. 480.75 ft	Begin Core Elev. 475.25 ft						
SANDSTONE: Brown and gray to gray, fine-grained, slightly weathered 6' 9" - 1/4" shale seam 7' 0" - 1/2" clay seam 9' 5" - 1.5" clay seam 10' 6" - 3/4" clay seam Trace shale partings Numerous shale partings SHALEY CLAY: Dark gray Becomes light gray CLAYEY SHALE: Light gray Becomes dark gray 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)