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SOIL BORING LOG

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

DATE 3/23/2010
LOGGED BY MD
GSI JOB No. 09177

ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-W996
Station 507+25 to 510+35
BORING NO. RW-12
Station 509+35
Offset 11.5' Left
Ground Surface Elev. 876.2

DEPTH H (ft)	BLOW S (6")	UCS Qu (tsf)	M O I S T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>			
				D	B	U	M	D	B	U	M
				CLAY-brown & gray-very stiff (A-6) <u>855.2</u>							
								CLAY-gray-stiff to very stiff (A-6)			
								CLAY-brown & gray-very stiff (A-6) Fill			
								CLAY-gray-stiff to very stiff (A-6)			
								TOPSOIL-black			
								CLAY-brown & gray-very stiff (A-6)			
								End Of Boring @ -40.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10' Of 4.0" Casing Used CME Automatic Hammer <u>836.2-40</u>			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulge, (S)-Shear, (P)-Penetrometer, (ST)-Shelby Tube Sample, (VS)-Vane Shear Test. The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206). The Unit Dry Weight (pcf) is noted in italics above moist (%). NR-No Recovery

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ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 016-W996
Station 507+25 to 510+35
BORING NO. RW-13
Station 510+50
Offset 11.5' Left
Ground Surface Elev. 878.3

DEPTH H (ft)	BLOW S (6")	UCS Qu (tsf)	M O I S T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>			
				D	B	U	M	D	B	U	M
				CLAY-brown & gray-very stiff to hard (A-6) <u>857.3</u>							
								CLAY LOAM-dark brown & gray-very stiff (A-6) Fill			
								CLAY-gray-stiff to hard (A-6)			
								CLAY-brown & gray-very stiff to hard (A-6)			
								Some Fractured Rock from -38.5' to -40.0'			
								End Of Boring @ -40.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10' Of 4.0" Casing Used CME Automatic Hammer <u>838.3-40</u>			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulge, (S)-Shear, (P)-Penetrometer, (ST)-Shelby Tube Sample, (VS)-Vane Shear Test. The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206). The Unit Dry Weight (pcf) is noted in italics above moist (%). NR-No Recovery