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

SOIL BORING LOG

PAGE 1 of 1
DATE 4/29/2010
LOGGED BY MR
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 HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. **RW-18A**
Station 515+65
Offset 20.0' Left
Ground Surface Elev. 878.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Blind Drill To –13.0'		–5			
		–10			
	865.2				
CLAY–brown & gray–medium stiff (A–6) Wet Vane Shear Test @ –16.0' Shear Strength=3517+ psf		–15	ST	0.75P	27
	859.2		ST		NR
		–20			

End Of Boring @ –19.0
Hollow Stem Augers
CME Automatic Hammer

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

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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SOIL BORING LOG

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DATE 5/11/2010
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 Hand Auger HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. **RW-18B**
Station 515+65
Offset 47.0' Left
Ground Surface Elev. 876.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ___ Hrs.

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	875.1		AS	–	33
SAND & GRAVEL–brown (Fill)	873.1		AS	1.5P	4
SILTY CLAY–dark brown–stiff (A–6)		–5	AS	1.75P	20
	869.1				
Auger Refusal @ –7.0' End Of Boring Hand Auger			AS	1.75P	22
		–10			
		–15			
		–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
XX –40			

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