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

SOIL BORING LOG

PAGE 1 of 2
DATE 7/27/2011
LOGGED BY MD
GSI JOB No. 11092

ROUTE FAP RTE 307 DESCRIPTION Il Rte 64 & Il Rte 47 Intersection Improvements, Contract No. 62278
SECTION 126N-1 LOCATION Section 18, T 40 N, R 7 E, 3rd PM, Campton Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger-Rotary HAMMER TYPE CME Automatic

STRUCT. NO. --
Station --
BORING NO. **RW-16**
Station 54+37
Offset 17.0' Right
Ground Surface Elev. 878.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 871.7 ▼
Upon Completion n/a ▽
After ____ Hrs. ____ ▼

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4.0" ASPHALT	878.3				
SANDY CLAY LOAM with Gravel- dark brown & black-medium dense (Fill)	875.7		2, 1, 3	–	13
PEAT-black (A-8)	873.2	-5	1, 1, 2	–	210
Organic SILT-dark gray & black- very loose (A-7)	865.7	-10	1, 1, 1, 1, 0, 0, 0	<0.25F	53
SILTY CLAY LOAM-dark gray & black- very loose (A-4)	863.2	-15	0, 0, 1	<0.25F	28
Silty SAND & GRAVEL-gray- loose (A-2)	860.7		6, 4, 4	NP	14
SAND & GRAVEL-brown & gray- medium dense (A-1)		-20	5, 7, 7	NP	13
SAND & GRAVEL-brown & gray- medium dense (A-1)		-25	10, 10, 7	NP	8
			14, 10, 17	NP	8
			7, 7, 7	NP	23
		-30	8, 6, 6	NP	9
		-35	8, 8, 6	NP	8
		-40	12, 8, 19	NP	10

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Sheiby 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

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

SOIL BORING LOG

PAGE 2 of 2
DATE 7/27/2011
LOGGED BY MD
GSI JOB No. 11092

ROUTE FAP RTE 307 DESCRIPTION Il Rte 64 & Il Rte 47 Intersection Improvements, Contract No. 62278
SECTION 126N-1 LOCATION Section 18, T 40 N, R 7 E, 3rd PM, Campton Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger-Rotary HAMMER TYPE CME Automatic

STRUCT. NO. --
Station --
BORING NO. **RW-16**
Station 54+37
Offset 17.0' Right
Ground Surface Elev. 878.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 871.7 ▼
Upon Completion n/a ▽
After ____ Hrs. ____ ▼

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND & GRAVEL-brown & gray- medium dense (A-1)	831.7	-45	7, 10, 13	NP	13
GRAVEL-gray-medium dense (A-1-a)	826.7	-50	12, 13, 15	NP	5
SAND & GRAVEL-gray- medium dense (A-1)		-55	8, 9, 12	NP	15
		-60	9, 13, 9	NP	8
SAND & GRAVEL-gray- medium dense (A-1)	816.7		8, 8, 11	NP	17
SILTY LOAM-gray- medium dense (A-4)	811.7	-65	11, 8, 9	NP	21
SANDY LOAM-gray- medium dense (A-2)	808.7	-70			
End Of Boring @ -70.0' Hollow Stem Augers to -15.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0"ø Casing Used		-75			
		-80			

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