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 7/25/2011
LOGGED BY RJ
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-11**
Station 51+41
Offset 27.5' Right
Ground Surface Elev. 878.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 873.4 ▼
Upon Completion n/a ▽
After ____ Hrs. ____ ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY TOPSOIL & GRAVEL- dark brown & black-loose (Fill)	874.9		AS 2	–	11
			5 3	NP	6
PEAT-black (A-8)	870.4	▼ –5	2 2 3	<0.25P	138
			1 1 1	0.3B	58 62
PEAT-dark brown & gray (A-8)	865.4	–10	0 0 0	<0.25P	76
			0 0 0	<0.25P	97
Organic SILT-dark brown & gray- very soft (A-7) Wet	860.4	–15	0 0 0	<0.25P	42
			1 1 1	<0.25P	50
SILTY LOAM-gray-loose (A-4) Wet		–20	2 3 3	0.8B	97 26

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY LOAM-gray-loose (A-4) Wet	857.9				
SAND & GRAVEL-brown & gray- medium dense (A-1)	855.4		7 8 8	NP	12
Silty SAND & GRAVEL-brown & gray- medium dense (A-2)	852.9	–25	8 5 7	NP	15
SAND & GRAVEL-brown & gray- medium dense (A-1)	850.4		12 8 9	NP	12
SAND with GRAVEL-brown- medium dense (A-1-b)	846.4	–30	10 11 10	NP	19
SAND & GRAVEL-brown & gray- medium dense (A-1)		–35	5 5 7	NP	19
		–40	11 8 8	NP	8

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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Upon Completion n/a ▽
After ____ Hrs. ____ ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND & GRAVEL-brown & gray- medium dense (A-1)		–45	14 10 10	NP	9
	826.4				
SAND with GRAVEL-brown- dense (A-1-b)		–55	20 21 25	NP	12
	821.4				
SAND & GRAVEL-gray-dense (A-1)		–60	18 19 20	NP	8

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND & GRAVEL-gray-dense (A-1)	816.4				
SANDY LOAM-gray-dense (A-2)	811.4	–65	14 16 17	NP	16
CLAY LOAM-gray-stiff (A-6)	808.4	–70	7 7 10	1.5P	18
End Of Boring @ –70.0' Hollow Stem Augers to –10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0"ø Casing Used		–75			
		–80			

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