Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2638

SOIL BORING LOG

PAGE 1 of 2
DATE 8/2/2011
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-09**
Station 50+43
Offset 25.0' Right
Ground Surface Elev. 880.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 870.0 ▼
Upon Completion n/a ▽
After ____ Hrs. ____ ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10" ASPHALT	879.2				
CLAY LOAM-dark brown-very stiff (A-6) Fill			4 4 4	3.75P	15
		-5	1 2 1	2.0P	19
PEAT-black (A-8)	874.5		1 1 1	NP	85
ORGANIC SILTY LOAM-dark brown to gray-very loose (A-7) Wet ▼	872.0	-10	1 1 2	<0.25P	35
			0		68
		-15	1 1 1	0.25B	51
			0		70
PEAT-dark brown & gray (A-8)	864.5		0		57
SILTY CLAY LOAM-gray-very loose to loose (A-4)	862.0	-20	1 0 2	0.25B	64
			2 2		92
		-25	2 6 6	NP	11
		-30	6 13 8	NP	12
		-35	12 4 4	NP	12
			10		
		-35	6 5	NP	12
		-40	13 9 9	NP	7

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM-gray-very loose to loose (A-4)			2 2 6	1.25P	18
	857.0				
GRAVEL with SAND-brown & gray-loose to medium dense (A-1-a)			9 6 6	NP	11
NOTE: Strong fuel odor from 26.0' to 30.0'			6 13 8	NP	12
			12 4 4	NP	12
	848.0				
SAND & GRAVEL-brown & gray-medium desne (A-1)					
NOTE: Slight fuel odor from 33.5' to 35.0'			6 5	NP	12
	843.0				
GRAVEL with SAND-brown & gray-medium dense (A-1-a)			13 9 9	NP	7

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 (%)
GRAVEL with SAND-brown & gray-medium dense (A-1-a)	838.0				
SAND & GRAVEL-brown & gray-medium dense to dense (A-1)		-45	16 7 6	NP	13
		-50	22 22 12		NR
		-55	8 12 14	NP	9
		-60	8 8 10	NP	9

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND & GRAVEL-brown & gray-medium dense to dense (A-1)			15 15 15	NP	12
		-65	18 20 22	NP	7
	810.0	-70			
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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