



SOIL BORING LOG

PAGE 1 of 1
 DATE 7/29/2011
 LOGGED BY RJ
 GSI JOB No. 11092

ROUTE FAP RTE 307 DESCRIPTION II Rte 64 & II 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 ---	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	Surface Water Elev. <u>n/a</u>	Stream Bed Elev. <u>n/a</u>	Groundwater Elevation: First Encounter <u>874.2</u> Upon Completion <u>n/a</u> After ___ Hrs. <u> </u>
	879.2				6.0" ASPHALT	878.7						
		5			CLAY LOAM—dark brown & black—medium dense (A-6) Fill	10						
		3				9						
		7	2.5P	18		10	NP	10				
	876.2				SAND & GRAVEL—brown & gray—medium dense (A-1)	23						
		2				13						
		3				15	NP	7				
		-5		136	PEAT—black	11						
		1				9						
		1		55		8	NP	11				
	871.2				SILT CLAY LOAM—dark gray—loose (A-4/A-6) Wet	14						
		1		86		8						
		2				7	NP	21				
		-10	3	0.4B	29	SAND—brown—medium dense (A-3)	-30	7	NP	21		
	868.7											
		5										
		12			Clayey SAND & GRAVEL—brown & gray—medium dense (A-2)	847.2						
		13		11								
	866.2											
		10			SAND & GRAVEL—brown & gray—medium dense (A-1)	8						
		10				11						
		-15	12	NP		8						
					SAND & GRAVEL—brown & gray—medium dense (A-1)	844.2	-35	13	NP	8		
		12										
		14			End Of Boring @ -35.0' Hollow Stem Augers to -10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0"Ø Casing Used							
		12										
	861.2											
		7			GRAVEL—brown & gray—medium dense (A-1-a)							
		7										
		-20	7	NP		2						

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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STRUCT. NO. --- Station ---	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	Surface Water Elev. <u>n/a</u>	Stream Bed Elev. <u>n/a</u>	Groundwater Elevation: First Encounter <u>870.6</u> Upon Completion <u>n/a</u> After ___ Hrs. <u> </u>
	878.6				5.0" ASPHALT, 13.0" CRUSHED STONE	877.1						
		3			GRAVEL—brown & gray—loose to medium dense (A-1-a)	8						
		3				4						
		4	3.75P	19		5	NP	9				
					CLAY LOAM—dark brown & gray—very stiff (A-6) Fill	855.6						
		1				5						
		1				7						
		-5		176	PEAT—black	23						
		1				13						
		1		79		15	NP	10				
		0			SAND & GRAVEL—brown & gray—medium dense (A-1)	5						
		1				7	NP	14				
		1		86		8						
		2			Clayey SAND & GRAVEL—gray—loose (A-2)	9						
		3				7						
		-10	5			12	NP	12				
					GRAVEL—brown & gray—medium dense (A-1-a)	868.1						
		12										
		10				8	NP	7				
		8			SAND & GRAVEL—brown & gray—medium dense (A-1)	843.6	-35	9	NP	14		
		12										
		9										
		-15	9	NP	15							
					End Of Boring @ -35.0' Hollow Stem Augers to -10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0"Ø Casing Used							
		5										
		5										
		4			SAND & GRAVEL—brown & gray—medium dense (A-1)	860.6						
		4										
		4	NP	12								
		8			GRAVEL—brown & gray—loose to medium dense (A-1-a)							
		8										
		-20	6	NP		11						

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