



SOIL BORING LOG

PAGE 1 of 2
 DATE 7/26/2011
 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 ---
 BORING NO. **RW-12**
 Station 51+90
 Offset 26.5' Right
 Ground Surface Elev. 877.9

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After Hrs.
				<u>n/a</u>	<u>n/a</u>		<u>873.4</u>	<u>n/a</u>	

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Soil Description	Soil Description	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
0	AS	-	10	SANDY TOPSOIL-black	Clayey SAND & GRAVEL-gray (A-2)	0	12		
4			108			4	9		
5	2.1B	18		CLAY LOAM-dark brown & gray-very stiff (A-6) Fill	SAND & GRAVEL-brown & gray-medium dense (A-1)	8	NP	7	
2						14			
2						7			
5	2	-	182			25	7	NP	5
1				PEAT-black (A-8)	GRAVEL with SAND-brown & gray-medium dense (A-1-a)	14			
1			96			9			
1						6	NP	3	
0						11			
0						6			
10	1	-	123			30	5	NP	13
0			52						
1				PEAT-dark brown & gray (A-8)	SAND & GRAVEL-brown & gray-medium dense to dense (A-1)				
1	<0.25F	77							
0			62			9			
0						7			
15	1	<0.25F	56			35	7	NP	10
0				SILTY LOAM-dark brown & gray-very soft (A-4) Wet					
1									
1	<0.25F	31							
14				Clayey SAND & GRAVEL-gray-medium dense (A-2)		10			
8						7			
20	6	-	12			40	10	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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0				SAND & GRAVEL-brown & gray-medium dense to dense (A-1)	SILTY LOAM-gray-dense (A-4)	0			
8						8			
17						7			103
15						10			
45	15	NP	8		SILTY CLAY-gray-stiff (A-4/A-6)	65	12	1.0B	23
11									
8									
50	10	NP	12		CLAY-gray-stiff (A-6)	70	9	1.0B	20
11						6			109
8						8			
55	18	NP	13			75			
14									
17									
60	17	NP	19			80			

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