



### SOIL BORING LOG

PAGE 1 of 2  
 DATE 7/27/2011  
 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. --- Surface Water Elev. n/a  
 Station --- Stream Bed Elev. n/a  
 BORING NO. **RW-15** Groundwater Elevation:  
 Station 53+88 First Encounter 869.7 ▼  
 Offset 21.0' Right Upon Completion n/a ▼  
 Ground Surface Elev. 878.2 After \_\_\_\_\_ Hrs. \_\_\_\_\_ ▼

DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)	Description	DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)
0				8.0" ASPHALT	0			
5				SANDY CLAY LOAM with Gravel-dark brown & black-medium dense (Fill)	13			
5					11			
7			10		8	NP	12	
875.2								
3				SAND & GRAVEL-brown & gray-medium dense (A-1)	11			
2					9			
-5			212		-25	7	NP	15
0					13			
0				PEAT-black (A-8)	10			
1			112		9	NP	14	
0					13			
1				SAND & GRAVEL-brown & gray-medium dense (A-1)	10			
-10			247		-30	8	NP	12
867.7								
0				PEAT-dark brown & gray (A-8)				
0					0	0.25F	211	
865.2								
2				Organic SILTY CLAY-dark brown & gray-very loose (A-7)	15			
2					14			
-15			0.5P 38		-35	10	NP	16
862.7								
3				Clayey SAND & GRAVEL-gray-medium dense (A-2)				
6								
8			11					
860.2								
10				SAND & GRAVEL-brown & gray-medium dense (A-1)	13			
9					10			
-20			8		-40	11	NP	15

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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DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)	Description	DEPTH (ft)	BLOW S	UCS Qu	MOIST (%)
				SANDY LOAM-gray-dense (A-2)				
					816.2			
10				SAND & GRAVEL-brown & gray-medium dense (A-1)	14			
8					16			
-45			10		-65	16	NP	20
811.2								
9				CLAY-very gray-stiff (A-6)	6			104
9					10			
-50			8		-70	12	2.0B	22
808.2								
				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				
				SANDY LOAM-gray-dense (A-2)				
					13			
					14			
					-60	16	NP	18
821.2								

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 NR-No Recovery