

Testing Service Corporation

STRUCTURE BORING LOG

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Date Started 10/12/09

Date Completed 10/12/09

ROUTE TR21 DESCRIPTION Hill Rd. Over N. Branch Nippersink Creek

SECT. 08-000356-00-BR STRUCT. NO. 056-3192 DRILLED BY TSC-L-72,490

COUNTY McHenry LOCATION S. End East Abutment S. 16E1/2, TWP. 46N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BL	LO	WS	Qu	W	Surface Water Elev.	DEPTH	BL	LO	WS	Qu	W
3	110+44	6.00ft LT	790.10							779.6						
6" Asphaltic Concrete																
4" Sand and Gravel Subbase 799.10																
FILL - Brown SAND and GRAVEL, damp A-1-a																
				19					4.0							
				24												
				27												
				16					3.9							
				22												
				17												
			784.00													
FILL - Dark brown CLAY LOAM, trace gravel, trace organic, moist A-6																
				4					13.5							
				4												
				3												
			782.10													
FILL - Brown SILTY CLAY, trace gravel, trace roots, very moist A-6																
				1					24.2							
				1												
				3												
			779.00													
Very soft dark brown ORGANIC CLAY, very moist A-8																
				4					40.8							
				2												
				3												
			777.10													
Medium dense brown SAND and GRAVEL, saturated A-1-a																
				5												
				9												
				7												
			774.00													
Stiff light-brown SILTY CLAY, little sand, occasional silt and sand seams, very moist A-6/A-7-6																
				11					17.1							
				15												
				7												
				8					21.8							
				10												
				7												
				7					23.9							
				16												
			797.10													
Medium dense to dense brown SAND, little to some gravel, saturated A-1-b																
				9												
				9												
				12					11.5							

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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Date Started 10/12/09

Date Completed 10/12/09

STRUCTURE NO. 056-3192 ROUTE TR21 SECTION 08-000356-00-BR COUNTY McHenry

Boring No.	Station	Offset	Elevation	DEPTH	BL	LO	WS	Qu	W
3	110+44	6.00ft LT	749.10						
Medium dense brown SANDY LOAM, little gravel, wet A-2-4									
				9					13.2
				10					
				16					
			737.10						
Very stiff brown CLAY LOAM, trace to little gravel, moist A-4									
				21					10.8
				14					
				18					
			732.10						
Very dense brown SANDY GRAVEL, trace clay, saturated A-1-a									
				19					
				32					
				46					
			729.00						
Hard brown CLAY LOAM, little gravel, damp A-4									
				34					9.0
				48					
				50/5"					16%
			723.10						
Hard brown SILTY CLAY LOAM, trace sand, moist A-4/A-6									
				46					7.7
				7					
				6					12.0
				15%					
			721.10						
Very dense brown SILT, trace gravel, moist A-4									
				34					12.0
				50/5"					4.96
				7					17.7
			715.10						

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ROUTE TR21 DESCRIPTION Retaining Walls

SECT. 08-000356-00-BR STRUCT. NO. 056-3192 DRILLED BY TSC-L-79,206

COUNTY McHenry LOCATION Hill Road Bridge S. 16E1/2, TWP. 46N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BL	LO	WS	Qu	W	Surface Water Elev.	DEPTH	BL	LO	WS	Qu	W
101	108+24	17.00ft LT	786.10							777.6						
FILL - Brown and black CLAY LOAM, little gravel, trace organic, little gravel, trace organic, very moist A-4/A-6																
				2					20.9							
				3												
				4												
			780.00													
Black CLAY (Topsoil), very moist A-7-6																
				3					43.8							
				3												
				7												
			778.10													
Medium dense gray SANDY LOAM, very moist A-2-4																
				3					18.4							
				5												
				9												
			775.00													
Stiff to very stiff gray CLAY LOAM, occasional silt seams, moist A-6																
				4					20.3							
				4												
				4												
			773.10													
Stiff to medium stiff gray CLAY LOAM, occasional silt seams, moist A-6																
				3					24.8							
				4												
				5												
				4					24.2							
				4												
				5												
			768.10													
Medium dense gray SAND, trace gravel, saturated A-1-b																
				4					14.1							
				6												
				8												
				7					9.8							
				10												
				8					5.8							
				12												
				17												

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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