

Geo Services Inc. Geotechnical, Environmental & Civil Engineering 805 Arden Court, Suite 204 Naperville, Illinois 60565 (630) 353-2266		SOIL BORING LOG				PAGE 1 of 1			
ROUTE <u>Il. Route 59 (FAP 338)</u>		DESCRIPTION <u>Illinois Route 59-Aurora Avenue/New York Street To Ferry Road</u>				DATE <u>1/5/2011</u>			
SECTION <u>(112 &amp; 113) WRS-5</u>		LOCATION <u>SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township</u>				LOGGED BY <u>RJ</u>			
COUNTY <u>DuPage</u>		DRILLING METHOD <u>Hollow Stem Auger</u>				HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>022-W045</u>		Surface Water Elev. <u>n/a</u>				D E P T H S Qu T			
Station: <u>3959+41 to 3964+17</u>		Stream Bed Elev. <u>n/a</u>				B L O W S Qu T			
BORING NO. <u>RW-10</u>		Groundwater Elevation:				M O I S T Qu T			
Station: <u>3961+91 IL RTE-59</u>		First Encounter <u>667.0</u> ▼				D E P T H S Qu T			
Offset: <u>59.5' Left</u>		Upon Completion <u>668.0</u> ▼				B L O W S Qu T			
Ground Surface Elev. <u>695.0</u>		After _____ Hrs. _____				M O I S T Qu T			
		(ft) / (6") (tsf) (%)				(ft) / (6") (tsf) (%)			
SANDY TOPSOIL (Fill) <u>694.0</u>		SILTY CLAY-gray (A-4/A-6) <u>674.5</u>							
AS - 31									
7 113									
7 11B 11		CLAY-gray-stiff to very stiff (A-6)				3 11B			
CLAY LOAM with Stone-dark brown & gray-stiff (A-6) Fill						5 3.0B 17			
3 10B									
3 10B									
-5 5 - 16		689.5				25 5 1.8B 21			
SAND & GRAVEL-brown-medium dense (A-1)		686.5				5 13			
2 NP 4		Drillers Observation: Cobbles & boulders from -27.5' to -28.5'.				19 NP 5			
686.5									
1 11		SAND, GRAVEL & FRACTURED ROCK-gray-dense to very dense (A-1)				11 117			
-10 6 - 21		684.5				8 3.0B 17			
3 117									
5 2.5P 15									
CLAY-gray-very stiff to hard (A-6)						3 115			
8 11B						4 118			
-15 8 4.6B 15		680.0 - 35				19 NP 13			
End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer									
3 113									
6 10B									
9 2.6B 17		677.0							
SILTY CLAY-gray-medium dense (A-4/A-6)									
4 113									
6 113									
-20 6 - 13									

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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ROUTE <u>Il. Route 59 (FAP 338)</u>		DESCRIPTION <u>Illinois Route 59-Aurora Avenue/New York Street To Ferry Road</u>				DATE <u>1/6/2011</u>			
SECTION <u>(112 &amp; 113) WRS-5</u>		LOCATION <u>SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township</u>				LOGGED BY <u>RJ</u>			
COUNTY <u>DuPage</u>		DRILLING METHOD <u>Hollow Stem Auger</u>				HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>022-W045</u>		Surface Water Elev. <u>n/a</u>				D E P T H S Qu T			
Station: <u>3959+41 to 3964+17</u>		Stream Bed Elev. <u>n/a</u>				B L O W S Qu T			
BORING NO. <u>RW-11</u>		Groundwater Elevation:				M O I S T Qu T			
Station: <u>3962+80 IL RTE-59</u>		First Encounter <u>668.7</u> ▼				D E P T H S Qu T			
Offset: <u>48.0' Left</u>		Upon Completion <u>664.2</u> ▼				B L O W S Qu T			
Ground Surface Elev. <u>689.7</u>		After _____ Hrs. _____				M O I S T Qu T			
		(ft) / (6") (tsf) (%)				(ft) / (6") (tsf) (%)			
TOPSOIL-black <u>689.2</u>		CLAY-gray-very stiff (A-6) <u>668.7</u>							
AS - 24									
12 118									
13 118		SAND-gray-medium dense (A-3)				4 4			
SAND & GRAVEL-brown-medium dense (A-1)		686.7				6 8 NP 20			
8 NP 3		666.7							
CLAY-brown & gray-very stiff (A-6)						16 16			
5 16		FRACTURED ROCK-gray-dense (A-1)				16 16			
8 16						-25 16 NP 4			
-5 8 3.5P 16		684.2				664.2			
CLAY-gray-very stiff (A-6)									
4 117									
7 117									
8 3.0B 17		SANDY LOAM with Fractured Rock-gray-medium dense to very dense (A-2)				6 6			
3 117		684.2				10 10			
-10 8 2.2B 16						-30 11 - 10			
CLAY-gray-very stiff (A-6)									
4 118									
7 118									
8 2.7B 19									
3 115									
4 118									
-15 6 2.75B 17		654.7 - 35				- 7			
End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer									
3 10B									
5 10B									
7 2.0B 21									
3 113									
4 113									
-20 6 2.2B 18									

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COUNTY <u>DuPage</u>		DRILLING METHOD <u>Hollow Stem Auger</u>				HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>022-W045</u>		Surface Water Elev. <u>n/a</u>				D E P T H S Qu T			
Station: <u>3959+41 to 3964+17</u>		Stream Bed Elev. <u>n/a</u>				B L O W S Qu T			
BORING NO. <u>RW-12</u>		Groundwater Elevation:				M O I S T Qu T			
Station: <u>3963+52 IL RTE-59</u>		First Encounter <u>663.1</u> ▼				D E P T H S Qu T			
Offset: <u>40.0' Left</u>		Upon Completion <u>674.6</u> ▼				B L O W S Qu T			
Ground Surface Elev. <u>686.6</u>		After _____ Hrs. _____				M O I S T Qu T			
		(ft) / (6") (tsf) (%)				(ft) / (6") (tsf) (%)			
TOPSOIL-black <u>686.1</u>		CLAY-gray-stiff to very stiff (A-6) <u>663.1</u>							
AS - 20									
12 118									
12 118		SAND-gray-medium dense (A-1)				3 3			
SAND & GRAVEL-brown-medium dense (A-1)		686.6				4 4			
5 NP 5		663.1				6 2.5B 18			
CLAY LOAM-gray-hard (A-6)									
6 16									
9 16		SAND-gray-medium dense (A-3)				5 5			
-5 9 4.5P 14		661.1				-25 8 NP 23			
CLAY LOAM-gray-hard (A-6)									
8 45									
8 50/1"									
9 4.5P 13		SANDY LOAM with Fractured Rock-gray-very dense (A-2)				16 16			
678.6		684.2				50/4"			
SILTY CLAY LOAM-gray-very stiff (A-4/A-6)						-30 NP 9			
5 113									
-10 8 3.25P 14		676.1							
CLAY-gray-stiff to very stiff (A-6)									
3 113									
6 113									
9 3.5B 18		653.6							
FRACTURED ROCK-gray-very dense (A-1)									
3 118									
4 118									
-15 7 2.8B 17		651.6 - 35				NP 11			
End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer									
4 10B									
5 10B									
8 1.9B 21									
4 111									
5 111									
-20 7 2.6B 19									

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