

Geo Services Inc. Geotechnical, Environmental & Civil Engineering 805 Arden Court, Naperville, IL 60565 (630) 251-2266		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 & 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			
Station: <u>3959+41 to 3964+17</u>		Stream Bed Elev. <u>n/a</u>				B L O W S			
BORING NO. <u>RW-07</u>		Groundwater Elevation:				U C S			
Station: <u>3959+50 IL RTE-59</u>		First Encounter <u>Dry</u>				M O I S T			
Offset: <u>72.5' Left</u>		Upon Completion <u>Dry</u>				Qu			
Ground Surface Elev. <u>697.4</u>		After _____ Hrs. <u></u>				(ft) (/6") (tsf) (%)			
GRAVEL & STONE (Fill)		696.4				AS - 1			
		9				92			
		5							
CLAY LOAM-dark brown & black-very stiff (A-6) Fill, Wet		4				2.75B 25			
		693.4				3			
		5				112			
		-5				4.1B 16			
CLAY-gray-stiff to very stiff (A-6)									
		4				119			
		4				6.4B 15			
		8							
		-10				102			
		-10				12			
686.9									
		4				116			
		5							
		9				2.3B 16			
		2				115			
CLAY-gray-stiff to very stiff (A-6)									
		4				104			
		-15				5			
		-15				5			
		3				117			
		4							
		7				3.0B 15			
		2				110			
		4							
		-20				7			
		-20				7			
		2				2.2B 20			

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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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			
Station: <u>3959+41 to 3964+17</u>		Stream Bed Elev. <u>n/a</u>				B L O W S			
BORING NO. <u>RW-08</u>		Groundwater Elevation:				U C S			
Station: <u>3960+30 IL RTE-59</u>		First Encounter <u>686.6</u>				M O I S T			
Offset: <u>70.0' Left</u>		Upon Completion <u>687.6</u>				Qu			
Ground Surface Elev. <u>697.6</u>		After _____ Hrs. <u></u>				(ft) (/6") (tsf) (%)			
		AS - 17							
		3				107			
		6							
CLAY LOAM-dark brown & gray-stiff to hard (A-6) Fill		7				4.5P 12			
		3				107			
		4							
		-5				5			
		-5				5			
		6				113			
		6				3.0P 15			
CLAY-brown & gray-very stiff (A-6)		689.6							
		4				118			
		4							
		-10				6			
		-10				6			
		3				116			
		6				3.0P 17			
SILTY CLAY-gray-very stiff (A-4/A-6)		684.6							
		4				118			
		8							
		-15				8			
		-15				8			
		5				104			
SILTY LOAM-gray-medium dense (A-4)		682.1							
		3							
		6							
		7				NP 16			
SAND & GRAVEL-gray-medium dense (A-1)		679.6							
		3							
		6							
		7				NP 10			
		2				11			
CLAY-gray-stiff to very stiff (A-6)									
		5							
		-20				8			
		-20				8			
		2				2.8B 19			

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STRUCT. NO. <u>022-W045</u>		Surface Water Elev. <u>n/a</u>				D E P T H			
Station: <u>3959+41 to 3964+17</u>		Stream Bed Elev. <u>n/a</u>				B L O W S			
BORING NO. <u>RW-09</u>		Groundwater Elevation:				U C S			
Station: <u>3961+12 IL RTE-59</u>		First Encounter <u>669.1</u>				M O I S T			
Offset: <u>65.0' Left</u>		Upon Completion <u>669.6</u>				Qu			
Ground Surface Elev. <u>697.1</u>		After _____ Hrs. <u></u>				(ft) (/6") (tsf) (%)			
SAND, GRAVEL & STONE (Fill)		696.4				AS - 14			
		4				117			
		5							
		6				3.0B 15			
CLAY LOAM-brown & gray-stiff to very stiff (A-6) Fill									
		3				116			
		3							
		-5				6			
		-5				6			
		3				117			
		4				5.8B 16			
CLAY-brown & gray-very stiff to hard (A-6)		669.1							
		3				117			
		4							
		6				3.1B 17			
		8				118			
		10							
		-15				50/3			
		-15				5			
		-15				5			
		4				115			
		50/3				115			
		-15				2.25B 16			
		-15				2.25B 16			
		5				116			
		5							
		10				4.5B 17			
CLAY-gray-stiff to very stiff (A-6)		684.1							
		4				115			
		7				114			
		-20				8			
		-20				8			
		2				2.5B 16			

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