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SOIL BORING LOG

DATE 12/21-22/2011

LOGGED BY RJ

GSI JOB No. 09173

ROUTE Il. Route 59 (FAP 338) DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road

SECTION (112 & 113) WRS-5 LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township

COUNTY DuPage DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

022-2030 NB, STRUCT. No. 022-2029 SB

Station: 4058+30.47 IL Rte. 59

BORING NO. BS-01

Station: 4056+62 IL Rte. 59

Offset: 26.5' Left

Ground Surface Elev. 726.8

DEPTH H S	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev. <u>n/a</u>	Stream Bed Elev. <u>n/a</u>	Groundwater Elevation: First Encounter <u>Dry to -10.0'</u> Upon Completion <u>n/a</u>	After _____ Hrs.	DEPTH H S	B L O W S	U C S Qu	M O I S T (%)
12.0" ASPHALT, 6.0" CRUSHED STONE											
	10								6		
	8	7.4B	14						6	2.0B	15
CLAY LOAM-gray-very stiff (A-6) Fill											
	8		11.4						6		
	8								7		
	5	6.5B	17						9	2.2B	23
CLAY LOAM-brown & gray-stiff to hard (A-6) Fill											
	6								3		
	5								4		
	5	4.9B	16						5	1.3B	24
Some crushed stone from -8.5' to -10.0'.											
	6								4		
	7								4		
	10	3.5P	13						10	4.4B	18
	5								6		
	5								7		
	6	1.25P	16						8	3.3B	23
	5								6		
	7	3.7B	15						7		
	15	9							8	3.3B	23
	5								6		
	6								7		
	9	2.2B	15						8	3.3B	23
CLAY LOAM-gray-very stiff (A-6)											
	5								6		
	7								7		
	15	9							8	3.3B	23
	5								6		
	6								7		
	9	2.2B	15						8	3.3B	23
CLAY LOAM-gray-very stiff (A-6)											
	6		12.2						14		
	6	2.75P							13		
	20	7	11.3%	13					8	2.0P	10

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (BS-Bulge, S-Shear, P-Penetrometer) ST-S 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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BORING NO. BS-01

Station: 4056+62 IL Rte. 59

Offset: 26.5' Left

Ground Surface Elev. 726.8

DEPTH H S	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev. <u>n/a</u>	Stream Bed Elev. <u>n/a</u>	Groundwater Elevation: First Encounter <u>Dry to -10.0'</u> Upon Completion <u>n/a</u>	After _____ Hrs.	DEPTH H S	B L O W S	U C S Qu	M O I S T (%)
CLAY LOAM-gray-very stiff (A-6)											
	6								6		
	6								6	2.0B	15
CLAY LOAM-gray-very stiff (A-6)											
	8								6		
	14								7		
	45	8	1.7B	15					9	2.2B	23
CLAY LOAM-gray-stiff to hard (A-6)											
	6								3		
	4								4		
	5	1.3B	24						5	1.3B	24
CLAY LOAM-gray-stiff to hard (A-6)											
	6								4		
	9								4		
	50	10	4.4B	18					10	4.4B	18
	6								6		
	9								9		
	50	10	4.4B	18					10	4.4B	18
CLAY LOAM-gray-very stiff (A-6)											
	8								6		
	14								7		
	55	21	4.0B	19					8	3.3B	23
SANDY CLAY LOAM with Fractured Rock-gray-very dense (A-2)											
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14								62		
	55	21	4.0B	19					21	4.0B	19
	8								43		
	14										