Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aurora Court, Suite 204
Naperville, Illinois 60565
(630) 355-2388

SOIL BORING LOG

PAGE 1 of 2
DATE 12/29/2011
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

STRUCT. No. 022–2030 NB
Station: 4058+30.47 IL Rte. 59
BORING NO. **BS–02**
Station: 4056+86 IL Rte. 59
Offset: 99.5' Left
Ground Surface Elev. *705.6*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry to –10.0'* ▼
Upon Completion *n/a* ▽
After ____ Hrs. ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
9.0" TOPSOIL–black	*704.7*				
			AS	–	22
			3		
			3		
			4	1.75P	20
CLAY LOAM–dark brown & black–stiff (A–6) Fill			3		
			3		
		–5	3	1.75P	20
			2		
			2	1.75P	17
	697.6				
			3		*110*
			3		
		–10	7	3.9B	17
CLAY–gray–very stiff to hard (A–6)			4		*99*
			5		
			10	4.7B	21
			3		*108*
			5		
		–15	9	2.3B	21
	690.1				
			6		
SILTY SAND & GRAVEL–gray–medium dense (A–2)			9		
			11	NP	17
	687.6				
			3		*121*
CLAY LOAM–gray–stiff to very stiff (A–6)			5		
		–20	7	1.9B	12
CLAY LOAM–gray–stiff to very stiff (A–6)			5		
			6		
			19	2.6B	12
			6		
			7		
		–25	7		NR
			4		*122*
			5		
			6	2.3B	14
	677.6				
			6		
			10		
SILTY LOAM–gray–medium dense (A–4)		–30	11	NP	28
	673.6				
			3		*112*
			6		
		–35	6	1.6B	19
CLAY to CLAY LOAM–gray–stiff to very stiff (A–6)					
			4		
			5		
		–40	7	2.8B	21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (BS–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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Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry to –10.0'* ▼
Upon Completion *n/a* ▽
After ____ Hrs. ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY to CLAY LOAM–gray–stiff to very stiff (A–6)					
	663.6				
			100/5"		
		–45		NP	9
SANDY LOAM with Fractured Rock–gray–very dense (A–2)					
			100/4"		
		–50		NP	11
	653.6				
			27		
			38		
Clayey SAND–gray–very dense (A–2)		–55	51	–	19
	648.6				
SILTY LOAM–gray–very dense (A–4)					
			31		
			45		
		–60	51	NP	19
SILTY LOAM–gray–very dense (A–4)					
	643.6				
			26		
			39		
SANDY LOAM to LOAM–gray–very dense (A–2)		–65	51	NP	19
	640.6				
End Of Boring @ –65.0' Hollow Stem Augers to –10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' Of 4.0"ø Casing Used					
		–70			
		–75			
		–80			

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