Illinois Department of Transportation
Division of Highways
GSG Consultants, Inc.

SOIL BORING LOG

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Date 7/13/10

ROUTE FAP 685 (IL 9) DESCRIPTION IL9 from IL41(N) to approximately 2 miles west of Spoon River LOGGED BY NSP

SECTION (37,38)RS-3, 39RS-5 LOCATION Lee Road District, IL 9, SEC. 16, TWP. 7N, RNG. 1E, 4th PM, Latitude 40° 35′ 1.36″ N, Longitude 90° 23′ 38.54″ W

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. N/A
Station 418+16.23

BORING NO. B-4
Station 418+12
Offset 13.0 ft LT
Ground Surface Elev. 615.50 ft

Surface Water Elev. 602.70 ft
Stream Bed Elev. 602.20 ft

Groundwater Elev.:
First Encounter 606.5 ft ▼
Upon Completion - ft
After - Hrs. - ft

Description	Elev.	DEPTH (ft)	BLOWS (/6″)	UCS Qu (tsf)	MOIST (%)
Gray to Black CLAY (fill), trace gravel			- - -	- -	19
			0 0 0	1.2 B	26
	612.00				
Stiff Brown, Moist CLAY, trace gravel			2		
		-5	3 3	1.0 B	25
			2		
			3 4	1.4 B	21
		▼	2		
		-10	3 3	1.2 B	20
			2		
	603.50		2 4	0.6 B	23
Medium Stiff Brown to Gray, Moist SILTY CLAY			2		
	601.00		4	0.8	20
Dense Brown, Fine Grain, Moist SANDY LOAM		-15	13	B	
			4		
			14 16	- -	13
			7		
	596.00		20	11.0	13
		-20	22	P	
Very Hard Gray, Dry SILTY LOAM (continued)	594.50		9		
Hard to Very Hard Bluish Gray, Dry SILTY CLAY LOAM, trace gravel			13 15	4.8 B	13
			6		
		-25	7 8	5.0 B	16
			5		
			8 14	8.0 B	15
			6		
		-30	9 12	8.9 B	14
	582.00		14		
Very Hard Green to Gray, Dry SILT			22 30	7.0 P	10
		-35			
	577.00		21		
Very Hard Dark Gray, Dry SILT			36 54	8.0 P	9
	575.50	-40			

End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING LOGS

FILE NAME = sht-landscp.dgn	USER NAME = mendezpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			685	**	*	329	155
	PLOT SCALE = 100.0000 ′ / IN.	CHECKED -	REVISED -					CONTRACT NO. 68599		
	PLOT DATE = 3/25/2011	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		