Professional Service Industries, Inc.
480 North Street
Springfield, Illinois 62704
Telephone: (217) 544-6663
Fax: (217) 544-6148

LOG OF BORING 1

Sheet 1 of 2

PSI Job No.: 020-25014
Project: Gardner Road District
Location: Section 01-13116-00-BR
Meadowbrook Road

Drilling Method: Split Spoon
Sampling Method: 3 1/4" Hollow Stem Auger
Hammer Type: Automatic
Boring Location: Station 172+70
8' left

WATER LEVELS
1 hour delayed 4 feet
Upon completion 8.5 feet
While drilling 13.5 feet

Surface Elev.: 563.6 ft

Elevation, (feet)	Depth, (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	Qu, tsf	Additional Remarks
	0			Asphalt -2"	SP				
				Brown SAND/GRAVEL (Base course)	CL				
				Black silty CLAY					
		1	18	Gray clayey SILT to silty CLAY, firm		3-4-4 N=8	26		
560	5	2	18		ML	3-2-3 N=5	25	Qu = 0.8 tsf	
		3	18	Dark gray silty CLAY,firm		1-2-3 N=5	21	Qu = 1.4 tsf	
555	10	4	18		CL	1-1-2 N=3	15		
		5	18			1-1-3 N=4	21	Qu = 0.8 tsf	
				Gray/brown silty CLAY, trace sand, very soft					
550	15	6	18		CL	HW	24	>> Qu = Hammer Weight tsf	
		7	18	Gray/brown highly weathered SHALE, hard	SHALE	8-16-29 N=45	18	Qu = 4.5 tsf	
				Gray highly weathered SHALE, very hard					
545	20	8	18			36-50/5"	13	>>	
		9	18			27-50/5"	15	>> Qu = 8.0 tsf	
540	25	10	18			50/6"	15	>> Qu = 5.8 tsf	

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STANDARD PENETRATION TEST DATA
N in blows/ft ◎ × Moisture ◪ PL ✚ LL (1, 25, 50)
STRENGTH, tsf ▲ Qu ✳ Qp (0, 2.0, 4.0)

Completion Depth: 40.0 ft
Date Boring Started: 2/21/02
Date Boring Completed: 2/21/02
Logged By: Harry Waters
Drilling Contractor: PSI Inc

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger

Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

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Sheet 2 of 2

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	25	11	18	Gray highly weathered SHALE, very hard	SHALE	39-50/4"	16	Qu = 3.7 tsf	
535	30	12	18			40-50/5"	14	>>	
		13	18			50/5"	17	>>	
530	35	14	18	Brown/gray highly weathered SHALE, very hard	SHALE	50/5"	10	>>	
		15	18	Gray highly weathered SHALE, very hard	SHALE	50/4"	16	>> Qu = 3.9 tsf	
525	40	16	18			50/4"	14	>>	
				End of boring at -40'					

STANDARD PENETRATION TEST DATA
N in blows/ft ◎ × Moisture ◪ PL ✚ LL (1, 25, 50)
STRENGTH, tsf ▲ Qu ✳ Qp (0, 2.0, 4.0)

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