STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 5/2/08

ROUTE FA 742 DESCRIPTION P92-064-86 Retaining wall, IL 2, 2.8 m. N. of Mud Creek Road LOGGED BY W. Garza

SECTION 37 RS-3 LOCATION Rockvale Twp. - 10SW, SEC., TWP. 24N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

BORING NO. B-7e
Station 868+00
Offset 19.00ft Lt CL
Ground Surface Elev. 680.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 671.2 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY LOOSE dark brown SANDY LOAM				0.2 P	17.0
	678.70				
	677.20				
STIFF brown LOAM		-5	1		
			1	1.2 B	24.0
	674.70		4		
VERY SOFT brown SANDY LOAM			1		
			2	0.2 P	20.0
	672.20		2		
VERY LOOSE brown dirty SAND		▼ -10	0		
			0		
	669.70		1		
	667.20				
LOOSE tan clean medium coarse SAND		-15	1		
			1		
	664.70		3		
MEDIUM tan clean medium coarse SAND with medium GRAVEL			0		
			3		
	662.20		7		
		-20	3		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash			4		
MEDIUM tan clean medium coarse SAND *(continued)*	659.70		7		
MEDIUM tan SANDY GRAVEL			7		
			8		
	657.20		9		
MEDIUM tan SANDY GRAVEL		-25	7		
			12		
	654.70		15		
Wash			5		
MEDIUM tan clean medium coarse SAND with medium GRAVEL			8		
	652.20		12		
Same as above		-30	6		
			9		
	649.70		11		
End of Boring					
		-35			
		-40			

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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 5/1/08

ROUTE FA 742 DESCRIPTION P92-064-86 Retaining wall, IL 2, 2.8 m. N. of Mud Creek Road LOGGED BY W. Garza

SECTION 37 RS-3 LOCATION Rockvale Twp. - 10 SW, SEC., TWP. 24N, RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

BORING NO. B-8e
Station 867+00
Offset 15.00ft Lt CL
Ground Surface Elev. 681.10 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 671.1 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT dark brown SANDY LOAM				0.3 P	17.0
	679.10				
	677.10				
LOOSE brown dirty SAND		-5	2		
			2		
	675.10		3		
	672.60				
VERY SOFT tan SILTY CLAY LOAM		▼ -10	1		
			1	0.2 P	25.0
			2		
	669.60				
VERY LOOSE tan clean medium coarse SAND			1		
			1		
	667.60		2		
LOOSE tan clean medium coarse SAND		-15	1		
			1		
	665.10		4		
Wash			4		
MEDIUM tan clean medium coarse SAND			7		
	662.60		10		
		-20	6		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan clean medium coarse SAND *(continued)*			11		
	660.10		11		
MEDIUM tan SANDY GRAVEL			8		
			13		
	657.60		16		
Wash		-25	15		
MEDIUM tan SANDY GRAVEL			12		
	655.10		15		
Wash			6		
MEDIUM tan clean medium coarse SAND with medium GRAVEL			7		
	652.60		12		
MEDIUM tan clean medium coarse SAND		-30	8		
			8		
	650.10		9		
End of Boring					
		-35			
		-40			

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, from 137 (Rev. 8-99)

BORING LOGS
STRUCTURE NO. 071-7005

DESIGNED	CTH
CHECKED	DFM
DRAWN	CTH
CHECKED	DFM

Howard R. Green Company

SHEET NO. 16	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18 SHEETS	742	37R-4	OGLE	867	251
			CONTRACT NO. 64E17		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		