

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 3/5/08

ROUTE FA 742 DESCRIPTION P92-064-06 IL 2 retaining wall, south of Stronghold Entrance LOGGED BY W. Garza  
SECTION 37 RS-3 LOCATION Rockvale Twp. - 33 NE, SEC. , TWP. 24N, RNG. 10E  
COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	M O I S T	Surface Water Elev.	DEPTH	BULGE	UCS	M O I S T
Station	H	S	Qu	T	ft	H	S	Qu	T
BORING NO. B-3g					Groundwater Elev.:				
Station 673+40					First Encounter 669.4 ft				
Offset 11:00R LL CL					Upon Completion 668.4 ft				
Ground Surface Elev. 686.40 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	(ft)	(/6")	(tsf)	(%)
Asphalt Concrete					VERY DENSE rusty yellow fine SAND (continued) 665.40				
					End of Boring				
VERY STIFF brown SILTY CLAY LOAM	5		2.7	22.0					
	5		S						
MEDIUM brown SILTY CLAY LOAM	3		0.6	26.0					
	3		B						
VERY SOFT brown SILTY CLAY LOAM with bottom 6" fine SAND	1		0.2	24.0					
	7		P						
VERY DENSE rust fine SAND	16								
	31								
	53								
VERY DENSE rusty yellow fine SAND	21								
	100/9								
Augers easily	27								
VERY DENSE rusty yellow fine SAND	100/7								
VERY DENSE off white fine SAND	100/2								
	100/4								

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)



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ROUTE FA 742 DESCRIPTION P92-064-06 IL 2 retaining wall, south of Stronghold Entrance LOGGED BY Be. Wetzel  
SECTION 37 RS-3 LOCATION Rockvale Twp. - 33 NE, SEC. , TWP. 24N, RNG. 10E  
COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	M O I S T	Surface Water Elev.	DEPTH	BULGE	UCS	M O I S T
Station	H	S	Qu	T	ft	H	S	Qu	T
BORING NO. B-4a					Groundwater Elev.:				
Station 672+75					First Encounter				
Offset					Upon Completion				
Ground Surface Elev. 687.00 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	(ft)	(/6")	(tsf)	(%)
MEDIUM brown SILTY CLAY			1.0	20.0	Wash				
			P		SOFT brown SILTY LOAM with SAND lenses			0.4	24.0
					685.50			P	
MEDIUM brown SILTY CLAY	3				End of Boring				
	4		0.6	28.0					
	4		B						
MEDIUM brown SILTY CLAY	1								
	2		0.6	31.0					
	3		B						
SOFT brown SILTY CLAY LOAM	0								
	1		0.4	21.0					
	2		B						
LOOSE brown fine SAND	1								
	3								
	4								
MEDIUM tan fine SAND	3								
	7								
	9								
MEDIUM tan fine SAND	3								
	6								
	7								
MEDIUM brown SILTY LOAM	3								
	4		0.6	23.0					
	7		B						

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

IL. RTE. 2

RETAINING WALL C

STA. 673+17.00 TO STA. 675+22.00

DESIGNED	DFM
CHECKED	DSG
DRAWN	DSG
CHECKED	DFM

Howard R. Green Company

SHEET NO. 8	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	742	37 R-3	OGLE	345	180
9 SHEETS	SN 071-7001		CONTRACT NO. 84788		
	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				