

SOIL AND MATERIAL CONSULTANTS, INC. File No. 19486 BORING LOG 1
 Client: Clorba Group, Inc. Sheet 1 of 4
 Project: Dunham Road over Rush Creek Date 11/19/08
 Structural #056-3110
 Location: McHenry Co., IL Drilled By: AC
 Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
844.8'	Bituminous concrete - 4.0"											
843.8'	Base-brown sand & gravel, damp - 8.0"											
	Black silt, some clay, trace sand & organic matter, very damp, very loose (topsoil)	1	SS	16"		2	4		26.4			
839.8'		6	2	SS	14"		4		68.1			
837.8'	Brown-gray silt, some clay, trace sand & gravel, very damp, loose	3										
836.8'	Brown fine-medium sand, some coarse sand & gravel, damp, medium dense	4	SS	16"		9	13		18.9	6.4		
834.8'	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense	10	5	SS	18"		10	20	11.8			
831.8'	Gray fine sand, trace medium-coarse sand & gravel, very damp-saturated, medium dense	6	SS	18"		11	19		15.5			
	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense	15	7	SS	18"		14	27	5.7			
		8	SS	18"		12	23		9.1			
		20	9	SS	18"		13	23	9.4			

Water Level - depth, ft. elev., ft. S - sample T - type: J (jar), SS (split spoon), ST (shabby tube) R - recovery length, in.
 - while drilling: 8.0 N - SPT, blow/foot to drive 2" O.D. split spoon sampler with 140 lb. hammer falling 30" W - water content, %
 - after drilling: 8.0 Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.
 hrs. after drilling: Qu - unconfined compressive strength, tons/sq. ft.

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	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense	10							7.9			
822.8'	Gray clay, some silt, trace sand & gravel, damp-very damp, very tough	11	SS	18"		9	22	2.25	12.2	134.3	3.0	
		27	12	SS	18"		12	22	2.5	12.1	128.5	2.5
	Gray clay, some silt, trace sand & gravel, damp-very damp, tough to very tough	13	SS	14"		10	17	2.0	12.4	133.7	1.6	
		30	14	SS	18"		6	11	1.5	12.5	128.0	1.9
		35	15	SS	18"		7	13	2.0	12.2	132.7	2.3
806.8'	Gray silt & fine sand, damp-very damp, medium dense	40	16	SS	18"		13	23	15.5			

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Elev. ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray-green fine sand, very damp-saturated, medium dense	42	17	SS	18"		13	21	19.3			
798.8'	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, medium dense	50	18	SS	18"		14	22	6.9			
	Gray fine sand, trace silt & gravel, damp, dense	55	19	SS	18"		23	42	15.7			
788.8'	Gray fine sand, trace medium-coarse sand & gravel, very damp-saturated, medium dense	60	20	SS	18"		14	23	12.8			

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Elev. ft.	Description	Depth, ft.	O	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine sand, trace medium-coarse sand & gravel, very damp-saturated, medium dense	66	21	SS	11"		20	33	17.3			
772.8'	Gray fine-medium sand, some coarse sand & gravel, very damp-saturated, dense	70	22	SS	18"		22	38	12.4			
		76	23	SS	18"		24	41	9.5			
764.8'		80	24	SS	14"		17	33	20.9			

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FILE NAME = 3381.02 16 Soil Borings 1.dgn



USER NAME = espuna	DESIGNED - AMK	REVISED -
PLOT SCALE =	CHECKED - BWS	REVISED -
PLOT DATE = 2/4/2011	DRAWN - RD	REVISED -
	CHECKED - BWS	REVISED -

MCHENRY COUNTY DIVISION OF TRANSPORTATION

SOIL BORINGS 1
 STRUCTURE NO. 056-3180
 SHEET NO. S-16 OF S-18 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00340-00-BR	MCHENRY	46	33
CONTRACT NO. 63552				

ILLINOIS FED. AID PROJECT