SOIL AND MATERIAL CONSULTANTS, INC.

File No. 20707 **BORING LOG** 3

Client Ciorba Group, Inc. Sheet 1 of 2

Project Rollins Road Crossing Date 7/31/12

Location Millennium Trail Project - 1B Lake County, IL Drilled By AC

Equipment [X] CME 45B [ ] H.A. [ ] Other Logged By DA

Comments

60' S. of Rollins Rd. CL

Elev., ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
783.5'	Dark brown silt,some clay,trace sand & roots,damp (topsoil) - 10.0"										
	Brown silt,some clay,trace sand, damp,medium dense		1	SS	14"	4 5 6	11		16.3		
		5	2	SS	18"	8 9 15	24		11.0		
			3	SS	18"	11 12 12	24		10.7		
774.5											
	Brown clay,some silt,trace sand & gravel,damp,very tough	10	4	SS	18"	8 7 8	15	3.75	14.9	114.6	3.8
			5	SS	18"	5 6 7	13	2.5	13.6	122.9	2.8
770.5											
	Brown silt,some sand & gravel, very damp,medium dense					9 8					
768.5		15	6	SS	18"	7	15		14.2		
	Gray silt,trace fine sand & clay, very damp,medium dense										
			7	SS	18"	3 5 6	11		21.3		
765.5											
765.0	(a) see page 2 of 2		8	J					11.5		
	Gray silt,some clay,trace fine sand,very damp,loose					3 4					
763.5		20	9	SS	18"	4	8		16.5		

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %.
N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
Pen. - pocket penetrometer reading, tons/ sq. ft.. Uw - dry unit weight of soil, lbs./ cu.ft.
Qu - unconfined compressive strength, tons./ sq. ft..

Water Level — depth, ft. elev., ft.
- while drilling: 13.5 ____
- after drilling: 15.0 ____
- 48 hrs. after drilling: 15.0 ____

F-111b

SOIL AND MATERIAL CONSULTANTS, INC.

File No. 20707 **BORING LOG** 3

Client Ciorba Group, Inc. Sheet 2 of 2

Project Rollins Road Crossing Date 7/31/12

Location Millennium Trail Project - 1B Lake County, IL Drilled By AC

Equipment [X] CME 45B [ ] H.A. [ ] Other Logged By DA

Comments

Elev., ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray silt,some clay,trace fine sand,very damp,loose to medium dense		10	SS	18"	3 4 5	9		21.0		
		25	11	SS	18"	5 6 8	14		19.9		
757.5											
	Gray silt,some clay,trace fine sand,very damp,loose		12	SS	18"	3 3 5	8		22.6		
755.5											
	Gray clay,some silt,trace sand & gravel,damp,very tough					5 6					
753.5		30	13	SS	18"	8	14	3.0	14.8	122.0	2.6
	End of Boring										
	(a) Gray fine-medium sand, trace coarse sand,very damp-saturated										
		35									
		40									

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %.
N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
Pen. - pocket penetrometer reading, tons/ sq. ft.. Uw - dry unit weight of soil, lbs./ cu.ft.
Qu - unconfined compressive strength, tons./ sq. ft..

Water Level — depth, ft. elev., ft.
- while drilling: 13.5 ____
- after drilling: 15.0 ____
- 48 hrs. after drilling: 15.0 ____

F-111b

N:\PROJ\00200807.01\1.Rollins\Design\Structural\CAD\00200807.01.R12.SoilBorings_3.dgn

Ciorba Group, Inc.
CONSULTING ENGINEERS
6867 North Cumberland Avenue
Chicago, Illinois 60656
Tel 773.775.4800
Fax 773.775.4814
Email chicago@ciorba.com

USER NAME = rdanley	DESIGNED - SMY	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE = 01.0000 '/ in.	DRAWN - SRG	REVISED -	
PLOT DATE = 4/8/2013	CHECKED - BWS	REVISED -	

MILLENNIUM TRAIL
LAKE COUNTY FOREST PRESERVES

SOIL BORINGS 3
STRUCTURE NO. 049-N008
SHEET NO. S-12 OF S-12 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	12-F3000-01-BT	LAKE	118	61

CONTRACT NO. 63807
ILLINOIS FED. AID PROJECT