SOIL AND MATERIAL CONSULTANTS, INC.

File No. 20707 **BORING LOG** 1

Client Ciorba Group, Inc. Sheet 1 of 2

Comments

Project Rollins Road Crossing Date 7/31/12

60' N. of Rollins Rd. CL

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

Equipment ☒CME 45B ☐H.A. ☐Other Logged By DA

Elev., ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
782.1'		0									
	Dark brown silt,some clay,trace sand & roots,damp (topsoil)										
780.6						3					
	Brown clay & silt,trace sand & gravel,damp,hard		1	SS	13"	4 5	9	4.5+	13.6		
779.1											
	Brown silt,some clay,trace sand & gravel,damp,medium dense					4 5					
		5	2	SS	18"	6	11		17.3		
776.6											
	Brown-gray clay,some silt,trace sand & gravel,damp,tough to hard					3 4					
			3	SS	18"	5	9	3.0	18.4	107.5	1.8
						7 4					
		10	4	SS	18"	5	9	2.5	16.8	112.8	2.8
						4 7					
			5	SS	18"	6	13	3.5	12.3	121.5	4.3
769.1											
	Gray silt,some sand,very damp, loose					2 3					
767.1		15	6	SS	18"	3	6		18.9		
	Gray silt,trace fine sand & clay, very damp-damp,medium dense (sand seam between 17.5'-18.0')					4 6					
			7	SS	18"	6	12		21.5		
764.1											
	Gray clay,some silt,trace sand & gravel,damp,very tough					7 8					
762.1		20	8	SS	18"	7	15	3.0	14.1	127.8	3.1

Water Level —

	depth, ft.	elev., ft.
- while drilling:	13.0	
- after drilling:	14.5	
- 2 hrs. after drilling:	13.0	

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..

F-111b

SOIL AND MATERIAL CONSULTANTS, INC.

File No. 20707 **BORING LOG** 1

Client Ciorba Group, Inc. Sheet 2 of 2

Comments

Project Rollins Road Crossing Date 7/31/12

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

Equipment ☒CME 45B ☐H.A. ☐Other Logged By DA

Elev., ft.	Description	Depth, ft.	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay,some silt,trace sand & gravel,damp,very tough										
760.1						4					
			9 10	SS	18"	5 6	11	4.0	14.5 23.2	125.8	3.3
	Gray silt,some clay,trace fine sand,very damp,medium dense to loose										
						3 5					
		25	11	SS	18"	4	9		20.8		
						3 3					
			12	SS	18"	4	7		17.9		
754.1											
	Gray clay & silt,trace sand & gravel,damp-very damp,stiff					3 4					
752.1		30	13	SS	18"	4	8	1.25	14.2	124.0	0.9
	End of Boring										
		35									
		40									

Water Level —

	depth, ft.	elev., ft.
- while drilling:	13.0	
- after drilling:	14.5	
- 2 hrs. after drilling:	13.0	

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..

F-111b

N:\PROJ\0020087.01\1.Rollins\Design\Structural\CAD\0020087.01.R10_Soil_Borings_1.dgn

Ciorba Group, Inc.
CONSULTING ENGINEERS
5907 North Cicero Avenue
Chicago, Illinois 60646
Tel: 773.725.7900
Fax: 773.725.0184
Email: ciorba@ciorba.com

USER NAME = rdanley	DESIGNED - SMY	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE = 0:1.0000 '/' / in.	DRAWN - SRG	REVISED -	
PLOT DATE = 4/8/2013	CHECKED - BWS	REVISED -	

MILLENNIUM TRAIL
LAKE COUNTY FOREST PRESERVES

SOIL BORINGS 1
STRUCTURE NO. 049-N008
SHEET NO. S-10 OF S-12 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	12-F3000-01-BT	LAKE	118	59

CONTRACT NO. 63807

ILLINOIS FED. AID PROJECT