

LABORATORY LOG OF BORING

-?-

Method of Sampling:

Water Level:

Boring Number: B-1

- Split Spoon X
- Core Drill —
- Shelby Tube —
- Auger —

- Encountered None
- Completion Blocked @ 15.0', Dry
- @ 24 hours

Surface Elevation: 609

Depth in feet	Sample	Water Level	Symbol	DESCRIPTION	Blows on Spoon for 12 inches (N)	SUMMARY OF TEST RESULTS						
						Natural Moisture (%)	Liquid Limit	Plasticity Index	Unconfined Shear Stress (psf)	Strain (%)	Loss on Ignition @ 600°C (%)	Dry Unit Weight (pcf)
0				Topsoil 6"	11	18.2						
0-6				Clay, brown, silty, sandy, trace gravel and roots	17	16.6		6030	10.0		117	
6-10				Clay, brown, silty, trace sand, and gravel, occasional silt seams	20	20.9		4000*				
10-11					22	20.7		5405	13.3		114	
11-17				Clay, gray, silty, trace sand and rock fragments	10	20.3		1295	20.0		114	
17-20					7	29.3		535	12.4		98	
20-25				Clay, gray, silty, trace sand and gravel	5	21.1		355	20.0		118	
25-30					5	27.3		690	20.0		110	
30				End of Boring @ 30.0'								
PRELIMINARY												

REMARKS: * Pocket Penetrometer

Boring Completed: 8/19/2020
 Location: Geneva-on-the Lake, Ohio
 DVL Job No.: C. 7777

LABORATORY LOG OF BORING

-?-

Method of Sampling:

Water Level:

Boring Number:

B-2

- Split Spoon
- Core Drill
- Shelby Tube
- Auger

- Encountered
 - Completion
 - @ 24 hours
- None
Blocked @ 28.0', Dry

Surface Elevation:

607

Depth in feet	Sample	Water Level	Symbol	DESCRIPTION	Blows on Spoon for 12 inches (N)	SUMMARY OF TEST RESULTS						
						Natural Moisture (%)	Liquid Limit	Plasticity Index	Unconfined Shear Stress (psf)	Strain (%)	Loss on Ignition @ 600°C (%)	Dry Unit Weight (pcf)
0-7				Topsoil 7"	19	14.3						
7-10				Clay, brown, silty, little grave, trace sand	36	18.1		2525	8.1		114	
10-11				Clay, brown trace gray, silty, sandy, trace gravel	30	19.4		4800	14.9		119	
11-12					21	20.2		4715	13.6		114	
12-13				Clay, gray, silty, trace sand and gravel	9	19.5		2400	20.0		121	
13-14					8	28.2		660	17.2		102	
14-15				Clay, gray, silty, trace sand	6	31.5		620	18.4		100	
15-16					7	28.3		960	20.0		110	
16-17				Shale, gray, weathered to soft	12	20.1		750*				
17-18					50/1	50/1						
18-19				Shale, gray, medium to hard	50/1	50/1						
19-20				End of Boring @ 43.7'	50/1	50/1						

PRELIMINARY

REMARKS: * Pocket Penetrometer

Boring Completed:

8/19/2020

Location:

Geneva-on-the Lake, Ohio

DVL Job No.:

C. 7777

LABORATORY LOG OF BORING

-?-

Method of Sampling:

Water Level:

Boring Number: B-3

- Split Spoon X
- Core Drill —
- Shelby Tube —
- Auger —

- Encountered None
- Completion Blocked @ 17.0', Dry
- @ 24 hours

Surface Elevation: 603

Depth in feet	Sample	Water Level	Symbol	DESCRIPTION	Blows on Spoon for 12 inches (N)	SUMMARY OF TEST RESULTS						
						Natural Moisture (%)	Liquid Limit	Plasticity Index	Unconfined Shear Stress (psf)	Strain (%)	Loss on Ignition @ 600°C (%)	Dry Unit Weight (pcf)
0-7"				Topsoil 7"	9	24.0						
7-10'				Clay, brown trace gray, silty, trace sand and gravel	38	20.0		3250*				
10-11'				Clay, brown, silty, sandy, trace gravel	22	18.7		5730	12.5		113	
11-12'				Clay, brown, silty, trace sand and gravel	26	19.1		5190	10.9		111	
12-17'				Clay, gray, silty, trace sand	5	22.0		1260	20.0		121	
17-20'					13	29.9		810	20.0		97	
20-25.0'				End of Boring @ 25.0'	7	26.0		845	16.0		110	

PRELIMINARY

REMARKS: * Pocket Penetrometer

Boring Completed: 8/19/2020
 Location: Geneva-on-the Lake, Ohio
 DVL Job No.: C. 7777