

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SB-2

PAGE 1 of 2
DATE April 28, 2004
LOGGED BY TOB
OBA JOB No. 03356

OBA
O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
2281 S. DAVIS ST./ARLINGTON HTS., IL 60009
(847)398-4444 • FAX (847) 398-2376

SOIL BORING LOG

ROUTE FAP Rt. 330 DESCRIPTION Moffett Road Bridge Over Un-Named Ravine
SECTION I28 R-2 LOCATION Lake Bluff, Illinois
COUNTY Lake DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE D-120 Safety

STRUCT. NO. 049-6801
Station 137+50.47 to 183+60.80
BORING NO. SB-2
Station: 138+76
Offset: 6' Right
Ground Surface Elev. 664.3

DEPTH (ft)	BULGE (in)	SHEAR (pcf)	MATERIAL	DEPTH (ft)	BULGE (in)	SHEAR (pcf)	MATERIAL
			Surface Water Elev. 632.2				
			Stream Bed Elev. n/a				
			Groundwater Elevation:				
			First Encounter 638.3				
			Upon Completion 601.3				
			After Hrs.				
0			5.5' ASPHALT				
21			CLAY-gray-very stiff to hard (CL)	8			115
50/5'				10			
	NP	5		16	2.75B		16
44/5'				12			117
				30	7.75B		14
-5	NP	6	SILT-gray-very dense (A-4)	-25	32	NP	17
50/5'				14			
	NP	7	SAND-gray-medium dense (A-1-b)	13		NP	13
50/4'				9			
	NP	10	CRUSHED STONE SCREENINGS-very dense (FIII)	10	NP		16
-10				-30	13	3.75B	14
8			CLAY-brown & gray-hard (CL)				113
4							
2	5.0B	15	CLAY-gray-very stiff to hard (A-6)				
7				10			116
7				17			
-15	10	2.7B	CLAY-gray-very stiff to hard (CL)	-35	16	2.5B	15
3							115
6							
7	2.3B	16					
5				9			114
8				13			
-20	16	3.4B		-40	16	2.2B	16

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR-No Recovery

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			Surface Water Elev. 632.2				
			Stream Bed Elev. n/a				
			Groundwater Elevation:				
			First Encounter 638.3				
			Upon Completion 601.3				
			After Hrs.				
			CLAY-gray-very stiff to hard (A-6)				75/5'
6				11			113
8				13	2.7B		17
-45	13	2.7B		-65	NP		14
50/5'				14			
	NP	7		13			
50/4'				9			
	NP	10		10	NP		16
-10				-30	13	3.75B	14
8							113
4							
2	5.0B	15					
7				10			110
7				17			
-15	10	2.7B		-55	16	4.5B	17
3							
6							
7	2.3B	16					
5				9			114
8				13			
-20	16	3.4B		-40	16	2.2B	16

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
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TYLINT INTERNATIONAL

DESIGNED	- DE
CHECKED	- SP
DRAWN	- DE
CHECKED	- PF

DATE: 02-23-2005

BORING LOGS

MOFFETT ROAD OVER
DRAINAGE RAVINE
FAU 2758
LAKE COUNTY
S.N. 049-6803