



McDOWELL & ASSOCIATES  
Geotechnical, Environmental, & Hydrogeologic Services  
21355 Hatcher Avenue • Ferndale, MI 48220  
Phone: (248) 399-2066 • Fax: (248) 399-2157

LOG OF SOIL  
BORING NO. 6

PROJECT Soils Investigation

JOB NO. 21-109

LOCATION Proposed Maple Ridge Subdivision  
Whitmore Lake Road and Barton North Drive  
Ann Arbor Township, Michigan

SURFACE ELEV. 948.3 DATE 4/23/2021

Sample & Type	Depth	Legend	SOIL DESCRIPTION	Penetration Blows for 6"	Moisture %	Natural Wt. P.C.F.	Dry Den Wt. P.C.F.	Unc. Comp. Strength PSF.	Str. %
	1		0'3" Moist dark brown clayey TOPSOIL with vegetation						
A	2			2					
UL	3		Stiff moist brown silty sandy CLAY with trace of gravel	2	24.6	121			
				4			*	(1100)	
	4		3'6"						
B	5			8					
UL	6		Extremely stiff moist brown silty CLAY with sand and pebbles	13	12.4				
				15			*	(9000+)	
	7		6'0"						
C	8			7					
UL	9			11					
				13					
	10		Very stiff brown silty CLAY with sand and pebbles and occasional stones						
D	11			8					
UL	12			10	14.0	136			
				13			*	(9000+)	
	13		11'6"						
	14								
	15		Very stiff moist blue silty CLAY with traces of sand and pebbles and moist to wet fine sand seams	7					
E	16			13					
UL	17			16					
	18		16'0"						
	19								
F	20		Extremely compact wet gray SILT & SAND with trace of clay	6					
UL	21			13					
	22			19					
	23		21'6"						
	24								
G	25		Extremely stiff moist blue silty CLAY with traces of sand and pebbles	6					
UL				13					
				20					

TYPE OF SAMPLE  
D. - DISTURBED  
U.L. - UNDIST. LINER  
S.T. - SHELBY TUBE  
S.S. - SPLIT SPOON  
R.C. - ROCK CORE  
( ) - PENETROMETER

REMARKS: \*Calibrated Penetrometer

Standard Penetration Test - Driving 2" OD Sampler 1' With  
140# Hammer Falling 30": Count Made at 6" Intervals

GROUND WATER OBSERVATIONS  
G.W. ENCOUNTERED AT 3 FT. 6 INS.  
G.W. ENCOUNTERED AT FT. INS.  
G.W. AFTER COMPLETION 10 FT. 2 INS.  
G.W. AFTER HRS FT. INS.  
G.W. VOLUMES Heavy - Medium



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LOG OF SOIL  
BORING NO. 6 (continued)

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LOCATION Proposed Maple Ridge Subdivision  
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Ann Arbor Township, Michigan

JOB NO. 21-109  
SURFACE ELEV. 948.3 DATE 4/23/2021

Sample & Type	Depth	Legend	SOIL DESCRIPTION	Penetration Blows for 6"	Moisture %	Natural Wt. P.C.F.	Dry Den Wt. P.C.F.	Unc. Comp. Strength PSF.	Str. %
	26		Extremely stiff moist blue silty CLAY with traces of sand and pebbles						
	27								
	28								
	29		Extremely compact wet gray SILT with traces of clay and fine sand						
H	30								
UL				25					
				27					
				--					
	31								
	32								
	33								
	34								
	35								
	36								
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	50								

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GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT 3 FT. 6 INS.

G.W. ENCOUNTERED AT FT. INS.

G.W. AFTER COMPLETION 10 FT. 2 INS.

G.W. AFTER MIN. FT. INS.

G.W. VOLUMES Heavy - Medium