



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

JOB NO. 21-109

SURFACE ELEV. 948.3 DATE 4/23/2021

LOG OF SOIL
BORING NO. 6

PROJECT Soils Investigation

LOCATION Proposed Maple Ridge Subdivision

Whitmore Lake Road and Barton North Drive

Ann Arbor Township, Michigan

Sample & Type	Depth	Legend	SOIL DESCRIPTION	Penetration Blows for 6"	Moisture %	Natural WL P.C.F.	Dry Den Wt P.C.F.	Unc. Comp. Strength PSF.	Sr. %
		CLAYEY TOPSOIL	0'3" Moist dark brown clayey TOPSOIL with vegetation						
	1								
A	2		Stiff moist brown silty sandy CLAY with trace of gravel	2					
UL	3			2	24.6	121			
	4			4			*	(1100)	
B	5		Extremely stiff moist brown silty CLAY with sand and pebbles	8					
UL	6			13	12.4				
C	7			15			*	(9000+)	
UL	8								
	9		Very stiff brown silty CLAY with sand and pebbles and occasional stones						
D	10			8					
UL	11			10	14.0	136			
	12			13			*	(9000+)	
	13								
	14		Very stiff moist blue silty CLAY with traces of sand and pebbles and moist to wet fine sand seams						
E	15			7					
UL	16			13					
	17			16					
	18								
	19		Extremely compact wet gray SILT & SAND with trace of clay						
F	20			6					
UL	21			13					
	22			19					
	23								
	24		Extremely stiff moist blue silty CLAY with traces of sand and pebbles						
G	25			6					
UL				13					
				20					
TYPE OF SAMPLE	REMARKS:	*Calibrated Penetrometer							
D. - DISTURBED		GROUND WATER OBSERVATIONS							
U.L. - UNDIST. LINER		G.W. ENCOUNTERED AT	3 FT.	6 INS.					
S.T. - SHELBY TUBE		G.W. ENCOUNTERED AT	FT.	INS.					
S.S. - SPLIT SPOON		G.W. AFTER COMPLETION	10 FT.	2 INS.					
R.C. - ROCK CORE		G.W. AFTER	HRS.	FT.					
() - PENETROMETER		G.W. VOLUMES	Heavy - Medium						
		Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30° Count Made at 6" Intervals							



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LOG OF SOIL
BORING NO. 6 (continued)

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

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								
	27		Extremely stiff moist blue silty CLAY with traces of sand and pebbles						
	28								
	29								
H									
UL	30		Extremely compact wet gray SILT with traces of clay and fine sand	25					
	31			27					
	32			--					
	33								
	34								
	35								
	36								
	37								
	38								
	39								
	40								
	41								
	42								
	43								
	44								
	45								
	46								
	47								
	48								
	49								
	50								
TYPE OF SAMPLE D. - DISTURBED U.L. - UNDIST. LINER S.T. - SHELBY TUBE S.S. - SPLIT SPOON R.C. - ROCK CORE () - PENETROMETER				REMARKS: 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 MIN. FT. INS. G.W. VOLUMES Heavy - Medium					