



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. 1

PROJECT Soils Investigation - Proposed Hotel Building

JOB NO. 19-241

LOCATION 2424 East Stadium Boulevard

SURFACE ELEV. _____ DATE 9-13-19

Ann Arbor, 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. %
			0'6"						
	1		Moist dark brown sandy TOPSOIL with trace of gravel and occasional cobbles, fill						
			1'7"						
A	2		Moist brown fine SAND, fill	6					
SS			Stiff moist brown silty CLAY with sand and pebbles and discolored streaks, fill	5	11.5	--			
	3			4			*	(9000+)	
			3'6"						
	4		Stiff moist brown silty CLAY with traces of sand and pebbles	3					
B				3	13.9	--			
SS	5			4			*	(9000+)	
	6		6'0"						
			Stiff moist brown silty CLAY with sand and pebbles, occasional stones and moist fine sand partings	2					
C	7			2	11.9	116		1490	
SS				5			*	(7500)	
	8								
			8'6"						
	9			3					
D				5	13.6	139		12,325	
SS	10			11			*	(9000+)	
	11		Very stiff moist brown silty CLAY with sand and pebbles and occasional moist fine sand partings						
	12								
	13								
	14								
E			14'6"	4					
SS	15			10					
	16		Extremely compact moist brown fine to medium SAND with traces of gravel and silt	10					
	17								
	18		18'0"						
	19								
F				8					
SS	20		Very compact moist brown fine SAND with moist gravelly sand seams	8					
	21			9					
	22								
	23		23'0"						
			Medium compact moist brown SAND & GRAVEL with silty clay seams						
	24			2					
G				2	10.2	--			
SS	25			3					

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 29 FT. 3 INS.
G.W. ENCOUNTERED AT FT. INS.
G.W. AFTER COMPLETION FT. INS.
G.W. AFTER HRS. FT. INS.
G.W. VOLUMES Medium



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LOG OF SOIL
BORING NO. 1 (continued)

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JOB NO. 19-241

SURFACE ELEV. DATE 9-13-19

Ann Arbor, 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		Medium compact moist brown SAND & GRAVEL with silty clay seams						
	27								
	28								
	29								
H	30		Medium compact wet brown silty fine SAND with trace of gravel, wet silt seams and seams to layer of silty clay	1					
SS	31			2	16.0	--			
	32			3					
	33			2	12.2	--			
	34		32'0"	3			*	(9000+)	
	35								
	36								
	37								
	38								
	39								
	40								
	41								
	42								
	43								
	44								
	45								
	46								
	47								
	48								
	49								
	50								

Notes:

- 1) Used automatic hammer
- 2) Grouted boring upon completion with cement-bentonite slurry.

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