



**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.** 4

**PROJECT** Soils Investigation - Proposed Hotel Building

**JOB NO.** 19-241

**LOCATION** 2424 East Stadium Boulevard

**SURFACE ELEV.** \_\_\_\_\_ **DATE** 9-12-19

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. %
	1		0'8" Moist dark brown clayey TOPSOIL with vegetation, fill						
A	2		Stiff moist brown silty CLAY with vegetation, sand and pebbles and stones, fill	4	13.0	--	*	(5000)	
SS	3			5					
	4			5					
	5		3'3" Stiff moist brown silty CLAY with sand and pebbles and occasional stones						
B	6		Extremely stiff moist brown silty sandy CLAY with trace of gravel, occasional stones and a layer of fine to medium sand	6	5.4	--			
SS	7			7					
	8			12					
	9		Extremely stiff moist brown silty CLAY with sand and pebbles, moist fine sand lenses and occasional stones	7	7.2	--	*	(9000+)	
C	10			11					
SS	11			12					
	12		8'6" Compact moist brown fine SAND with trace of silt and occasional trace of gravel						
D	13			2	10.6	--			
SS	14			3					
	15			5					
	16		13'0" Extremely stiff moist blue silty CLAY with sand and pebbles, occasional stones and moist fine sand lenses						
E	17			12					
SS	18			15					
	19			24					
	20		16'0" Extremely stiff moist blue silty CLAY with sand and pebbles and occasional stones and cobbles						
	21								
F	22								
SS	23								
	24		19'2" Extremely compact moist brown clayey SILT	12					
	25		19'6" Extremely compact moist brown fine SAND with trace of silt	18					
	26			33					
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	29								
	30								
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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 15 FT. 4 INS.  
 G.W. ENCOUNTERED AT 38 FT. 8 INS.  
 G.W. AFTER COMPLETION  
 G.W. AFTER HRS. FT. INS.  
 G.W. VOLUMES Medium



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	26								
	27		Extremely compact moist brown fine SAND with trace of silt						
	28		27'6"						
	29		Extremely compact moist brown fine to medium SAND with trace of gravel and occasional stones						
	29'0"		Extremely compact moist brown clayey fine SAND with gravel and silt	9					
H	30		29'9"	14					
SS	31		Extremely compact moist brown silty fine SAND	20					
	32		31'6"						
	33		Extremely compact moist brown fine SAND with traces of gravel and silt						
	34								
I	35		34'6"	23					
SS	36			37					
	37		Extremely compact moist brown fine SAND with trace to seams of silt	51					
	38								
	39		38'6"						
J	40			14					
SS	41		Extremely compact wet gray SILT with occasional wet gray fine sand lenses	20					
	42			33					
	43		42'6"						
	44		Extremely compact moist gray clayey SILT with traces of sand and gravel						
K	45			81					
SS	46		46'0"	---					
	47			---					
	48		Extremely stiff moist blue silty CLAY with sand and pebbles and occasional stones						
	49		Notes:						
L	50		1) Used automatic hammer	47					
SS	50'6"		2) Grouted boring upon completion with cement-bentonite slurry.	70					
				---					

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