



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. 3

PROJECT Soils Investigation - Proposed Hotel Building

JOB NO. 19-241

LOCATION 2424 East Stadium Boulevard

SURFACE ELEV. _____ DATE 9-11-19

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. %
			0'7" ASPHALT						
	1		1'2" Asphalt moist SAND & GRAVEL with stones and trace of crushed stone, aggregate fill						
A	2		1'7" Compact moist discolored brown fine SAND with trace of gravel, fill	8					
SS	3		2'4" Stiff moist discolored brown silty CLAY with sand and pebbles and sand and gravel seams, fill	5	16.0	--			
				4			*	(4500)	
	4								
B	5		6'0" Stiff moist brown silty CLAY with sand and pebbles	1					
SS				2	14.1	131			
				4			*	(4300)	
	6								
C	7			2					
SS				3	11.2	--			
	8		Stiff moist brown silty sandy CLAY with pebbles and occasional moist fine sand partings	4			*	(4000)	
	9								
D	10		9'6" Very compact moist brown fine SAND with traces of gravel and silt	2					
SS				7					
	11			10					
	12								
	13								
	14								
E	15		17'6" Very compact moist brown silty fine SAND with trace of gravel and moist gravelly sand seams	4					
SS				6	6.5	--			
	16			7					
	17								
	18								
	19								
F	20		23'6" Extremely compact moist brown fine SAND with trace of gravel and moist sand and gravel seams	4					
SS				6	8.8	--			
	21			6					
	22								
	23								
	24								
G	25			8					
SS				12					
				15					

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 _____ FT. INS.
G.W. ENCOUNTERED AT _____ FT. INS.
G.W. AFTER COMPLETION _____ FT. INS.
G.W. AFTER _____ HRS. _____ FT. INS.
G.W. VOLUMES _____



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LOG OF SOIL BORING NO. 3 (continued)

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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								
	27		Extremely compact moist brown fine SAND with trace of gravel and moist sand and gravel seams						
	28								
	29		28'6"						
H				4					
SS	30		Very stiff moist blue silty CLAY with sand and pebbles and occasional stones	6	9.3	138			
			30'6"	7			*	(5500)	
	31								
	32								
	33								
	34								
	35								
	36								
	37								
	38								
	39								
	40								
	41		Notes:						
	42		1) Used automatic hammer						
	43		2) Grouted boring upon completion with cement-bentonite slurry.						
	44		3) Patched boring upon completion with cold patch asphalt.						
	45								
	46								
	47								
	48								
	49								
	50								

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GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT FT. INS.
 G.W. ENCOUNTERED AT FT. INS.
 G.W. AFTER COMPLETION None FT. INS.
 G.W. AFTER HRS. FT. INS.
 G.W. VOLUMES

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