



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. 8

PROJECT Soils Investigation

LOCATION Proposed 85 Acre Subdivision
Dhu Varren Road and Pontiac Trail

JOB NO. 14-026

SURFACE ELEV. DATE 1-31-14

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.	PID (ppm)	Methane % LEL
			0'1" Frozen dark brown sandy TOPSOIL, fill						ND	
	1									
A	2		Very compact frozen to moist discolored brown gravelly SAND, fill	5					ND	
UL	3		2'4" Very compact moist dark brown to black gravelly SAND, fill	10						
	4			7						
B	5		4'0" Medium compact moist discolored brown SAND & GRAVEL, fill	1					ND	
UL	6			2						0
	7			4						
	8		6'0" Compact to very compact moist discolored brown SAND & GRAVEL, fill						ND	
C	9			3						
UL	10			4						
	11			5					ND	
	12									
D	13		10'4" Stiff moist discolored brown and variegated silty CLAY with sand and pebbles, fill	8					ND	0
UL	14			7						
	15			7						
	16		14'0" Stiff moist discolored brown silty CLAY with sand and pebbles, wood and concrete, fill						ND	
E	17			8						
UL	18			4						0
	19			6					ND	
	20		19'0" Compact moist discolored brown and gray SAND & GRAVEL with wood and concrete, fill						ND	
F	21								ND	
UL	22			7					ND	0
	23			4						
	24									
G	25			3					ND	
UL				7						5
				16						

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 none 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. 8 (continued)

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	26								ND	
	27									
	28		Compact moist discolored brown and gray SAND & GRAVEL with wood and concrete, fill						ND	
	29									
H	30		30'3" Extremely compact moist brown SAND &	9					ND	0
UL			30'6" GRAVEL	6						
	31			31						
	32									
	33									
	34									
	35		Notes:							
	36		- Used automatic hammer.							
	37		- PID readings from MiniRAE 2000 photoionization detector as parts per million (ppm, calibrated to isobutylene gas).							
	38		- Readings from MSA Altair 4 gas detector presented as % lower explosive limit (LEL)							
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47									
	48									
	49									
	50									

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