



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

JOB NO. 14-026

LOG OF SOIL
BORING NO. 11

PROJECT Soils Investigation
LOCATION Proposed 85 Acre Subdivision
Dhu Varren Road and Pontiac Trail

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
	1		0'3" Frozen dark brown clayey TOPSOIL, fill							ND
A	2									
UL	3									
	4		Stiff moist brown and dark brown silty CLAY with sand and pebbles, fill							ND
B	5									
UL	6									0
C	7									
UL	8		7'6" Extremely compact moist brown SAND & GRAVEL, possible fill							
	9									
D	10									
UL	11									
	12		Compact moist light brown SAND & GRAVEL with stones, possible fill							
	13									
	14									ND
E	15									
UL	16									0
	17									
	18		Very compact moist brown fine SAND							
	19									
F	20									
UL	21		Extremely compact wet brown SAND & GRAVEL							
	22									
	23									
	24									
	25									

Notes:

- Used automatic hammer.
- PID readings from MiniRAE 2000 photoionization detector as parts per million (ppm, calibrated to isobutylene gas).

TYPE OF SAMPLE	REMARKS:	GROUND WATER OBSERVATIONS			
D. - DISTURBED		G.W. ENCOUNTERED AT	19 FT.	0 INS.	
U.L. - UNDIST. LINER		G.W. ENCOUNTERED AT	FT.	INS.	
S.T. - SHELBY TUBE		G.W. AFTER COMPLETION	16 FT.	0 INS.	
S.S. - SPLIT SPOON		G.W. AFTER	HRS.	FT.	INS.
R.C. - ROCK CORE		G.W. VOLUMES			
() - PENETROMETER	Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30": Count Made at 6" Intervals				